Appendix 2

Summary reports for major prospects in Queensland

The following section presents detailed information for each of Queensland's significant prospects or abandoned mines. Mineral deposits are presented in alphabetic order. Each mineral deposit report contains information about the location, commodities, size classification, production, resources/reserves, mining styles, tenures, host rocks, mineral deposit models, mineralisation ages and other comments.

The resource information recorded does not duplicate resources documented as reserves or under any other resource classification. For example, if a published 'measured, indicated and inferred resource' includes the 'proved and probable ore reserves', these reserves are not recorded. However, if published reserves are in addition to the published resources they are recorded separately. Open file information sources such as company annual reports, quarterly reports and stock exchange announcements have been used, where available, to ensure current information is captured. Most resource and reserve figures are in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC code), which is included as **Appendix 9**. Some older resource figures are not in accordance with the JORC code. Individual summary reports indicate whether or not the resource and reserve figures are JORC compliant. All sources used are referenced wherever possible.

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493700 **309**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 21.4KM WSW OF AVON DOWNS HOMESTEAD

1:100 000 sheet Number and Name: 8354 GUNJULLA

Grid Reference: Zone 55 505514 mE 7575671 mN Latitude -21.9231 Longitude 147.0534 Date Recorded: 23/May/2016

Other Names for Deposit / Mine

Twin Hills
Anomaly 309
Twin Hills 309

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Period: 1-Jul-2005 to 30-Jun-2006

GOLD	FINE	148.7 kilograms
SILVER		587.9 kilograms

Period: 1-Jul-2006 to 30-Jun-2007

GOLD	FINE	118.2 kilograms
SILVER		220.7 kilograms

Published Reserves/Resources

BR 10462 Published in 2016 **309 - OPEN PIT**

INFERRED MINERAL RESOURCE 3,060,000 tonnes Ore @ 2.10 g/t GOLD **FOR** 6,426 Kilograms GOLD

Comments/Cut Off Factor: 0.5g/t Au cutoff.
Silver grade was not quoted in BR10019 and 10373.

BR 10462 Published in 2016 **309 - UNDERGROUND**

INFERRED MINERAL RESOURCE 1,560,000 tonnes Ore @ 3.90 g/t GOLD **FOR** 6,084 Kilograms GOLD

Comments/Cut Off Factor: 2.3g/t Au cutoff.
Silver grade was not quoted in BR10019 and 10373. Combined resource for 309 and Lone Sister UG.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10462	2016	EVOLUTION MINING LIMITED	ASX ANNOUNCEMENT: ANNUAL MINERAL RESOURCES AND ORE RESERVES STATEMENT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 21 APRIL 2016. EVOLUTION MINING LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
2004	to	2004	BMA Gold Ltd prepared a bankable feasibility study.
2005	to	2007	Decline adit commenced July 2005. First gold produced in December 2005. Initial production rate of 40,000-60,000 ounces per annum was planned using Rishton plant east of Charters Towers. Mining suspended early 2007.
2005	to	2005	Approval recieved March 2005 from the Environmental Protection Agency for the plan of operations. The company plans to mine Area 1 of the 309 mine by conventional open stoping, Area 2 by cut-and-fill methods and area 3 by opencut.

Mining Operations	Comments
ADITS	370m long decline constructed in 2005 to access the orebody.

Tenure Type/Number		SHARE	Company Name/Surname
ML	70316	60.00%	NQM GOLD 2 PTY LTD
ML	70316	40.00%	CQT GOLD AUSTRALIA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DRUMMOND BASIN	Saint Anns Formation / LATE DEVONIAN to EARLY CARBONIFEROUS
DRUMMOND BASIN	Silver Hills Volcanics / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	PIPE
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

This deposit is approximately 6km north-north-west of the Lone Sister mineralisation and both deposits form the Twin Hills Project of BMA Gold Ltd. Deposit consists of a number of high-grade zones but average grades are 3 g/t Au.

Gold mineralisation occurs as fine, visible gold (electrum) within narrow irregular chalcedony and quartz veins hosted in a hydrothermal breccia.

BMA Gold commenced excavation of decline access in early 2005, and ore extraction commenced in late 2005. Ore was trucked to the Rishton plant near Charters Towers. BMA Gold purchased the plant and significant mining equipment from SMC Gold in 2004.

Metallurgical testing showed that much of the gold could be recovered using gravity separation, with the remainder amenable to conventional CIL treatment.

In January 2007, BMA Gold announced that resource estimations for Area 2 had been significantly downgraded and the company decided to close operations at the completion of mining and processing ore from Area 1 Deeps & high grade ore from the top of Area 2

Mining ceased at the end of February 2007 and the mill was shut down. The Area 2 lode proved to consist of variably spaced veins of uncertain continuity rather than a single vein.

The high-grade zones were insufficient to justify the 280km haul to Rishton. BMA Gold went into voluntary administration. A sale of all mining equipment from the site raised funds for the administrator.

The company retained tenure over the deposit in an effort to restructure and continue exploration activities. RAB drilling was carried out in the March 2008 quarter to test an area under up to 20m of cover to the south of the 309 deposit.

RC drilling was planned for September 2008 to target IP anomalies possibly indicating new centres of alteration and mineralisation close to the 309 deposit.

The Pajingo Joint Venture (North Queensland Metals Ltd and Heemskirk Consolidated) acquired the Twin Hills Project in the June 2009 quarter. The feasibilty of trucking ore to the Pajingo plant will be investigated.

Web Page

www.nqm.com.au

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588838 **ADAVALE**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: ADAVALE PROSPECT, EAST OF BLACKHALL ADAVALE ROAD, ~100KM SOUTH OF BLACKHALL

1:100 000 sheet Number and Name: 8047 GLANWORTH

Grid Reference: Zone 55 349350 mE 7228600 mN Latitude -25.0507 Longitude 145.5066 Date Recorded: 2/April/2015

Other Names for Deposit / Mine

Adavale Salt

Boree Salt Measure

Commodities	Size	Size Definition
SALT		

Production Details

Published Reserves/Resources

BR 10411 Published in 2011

ADAVALE

INFERRED MINERAL RESOURCE

1,000 Millions Of Tonnes SALT

Estimation quoted on Mineore webpage (non JORC)

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10411	2011	MINEORE	MINEORE; COMPANY ANNOUNCEMENT; MINEORE TARGETS ADAVALE BASIN POTASH	MINEORE; 17 NOVEMBER 2011; WEBSITE WWW.MINEORE.COM.AU

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
	Boree Salt / MIDDLE DEVONIAN to MIDDLE DEVONIAN

Deposit Model

DETAILED OREBODY MODEL	EVAPORITE DEPOSIT
GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT

Mineralisation Age

EVAPORITE salt interbedded with marine siltstone

Comments

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36008 **ADVENTURE**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 6.1 KM WSW OF IRVINEBANK.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 303274 mE 8070529 mN Latitude -17.4425 Longitude 145.1477 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Great Adventure

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
TUNGSTEN	VERY SMALL	<5 tonnes W
LEAD	VERY SMALL	<1000 tonnes PB
SILVER	VERY SMALL	<5 tonnes AG
COPPER	VERY SMALL	<500 tonnes CU
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Period: 1-Jan-1887 to 31-Dec-1976 60,000 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 2,100.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14741	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Mining is reported to have been carried out on 7 levels. Ore was massive sulphide type, plunging 55 degrees to 200 degrees.

Web Page

www.montominerals.com

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531391 **AGATE CREEK EPITHERMAL PROJECT**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 24KM SW OF ROBINHOOD HOMESTEAD, ADJACENT TO AGATE CREEK.

1:100 000 sheet Number and Name: 7660 FORSAYTH

Grid Reference: Zone 54 768321 mE 7897867 mN Latitude -18.9942 Longitude 143.5486 Date Recorded: 10/March/2016

Other Names for Deposit / Mine

Friar Tuck
Sherwood Prospect
Sherwood West Prospect
Zig Zag Prospect
Sherwood South Prospect

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Published Reserves/Resources

BR 10168 Published in 2011 **SHERWOOD SOUTH**
INFERRED MINERAL RESOURCE 430,000 tonnes Ore @ 1.05 g/t GOLD **FOR** 451 Kilograms GOLD
Comments/Cut Off Factor: 0.3g/t Au

BR 10168 Published in 2011 **SHERWOOD WEST**
INDICATED MINERAL RESOURCE 5,230,000 tonnes Ore @ 0.92 g/t GOLD **FOR** 4,811 Kilograms GOLD
Comments/Cut Off Factor: 0.3g/t Au

BR 10168 Published in 2011 **SHERWOOD WEST**
INFERRED MINERAL RESOURCE 3,320,000 tonnes Ore @ 0.83 g/t GOLD **FOR** 2,755 Kilograms GOLD
Comments/Cut Off Factor: 0.3g/t Au

BR 10168 Published in 2011 **SHERWOOD**
INDICATED MINERAL RESOURCE 5,420,000 tonnes Ore @ 1.04 g/t GOLD **FOR** 5,636 Kilograms GOLD
Comments/Cut Off Factor: 0.3g/t Au

BR 10168 Published in 2011 **SHERWOOD**
INFERRED MINERAL RESOURCE 2,610,000 tonnes Ore @ 0.91 g/t GOLD **FOR** 2,375 Kilograms GOLD
Comments/Cut Off Factor: 0.3g/t Au

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10168	2011	RENISON CONSOLIDATED MINES NL	ANNUAL REPORT 2011	AUSTRALIAN STOCK EXCHANGE, JULY 2011, RENISON CONSOLIDATED MINES NL

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	CPir-Kennedy Province / LATE CARBONIFEROUS to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE	PALAEOZOIC

Comments

Permo-Carboniferous epithermal Au mineralisation occurs along the SE-trending Robertson Fault Zone. Mineralisation occurs along reactivated faults at the contact between the Robin Hood Granodiorite & rhyolite intrusives of the Agate Ck Volcanic Complex.
Mineralisation is a low-sulphidation, adularia-sericite type characterised by irregular swarms of narrow, colloform banded chalcedonic veins that grade into breccias and zones of stockworking.
Renison Consolidated Mines NL holds 88.8% of the project (Barrick Gold holds the remainder) and is carrying out a feasibility study. An open cut operation is planned to produce 60,000 ounces/year of gold from CIP processing of 1 to 1.5Mt per annum of ore.
Drilling intersections announced in September 2006 included 24m at 1.1g/t Au from 76m at Sherwood West. This indicates a continuous easterly dipping zone of mineralisation extending for 200m down-dip. The mineralisation thickens towards the Zig Zag Fault.
Shallow, flat-lying zones of high-grade Au have been intersected in the hanging wall of the Zig Zag Fault. Drill intersections include 1m at 18.4g/t Au from 54m, 1m at 25.9g/t Au from 36m and 2m at 31.0g/t Au from 37m
Drilling within the Zig Zag Fault intersected a steeply dipping zone with 61m at 0.9g/t Au from 4m, including 26m at 1.5g/t Au. There is potential for the delineation of a significant zone of mineralisation linking the Sherwood West lode and Zig Zag Fault
Total indicated and inferred resources at a cut-off grade of 0.5g/t Au are 7.5Mt at 1.5g/t Au (includes Sherwood, Sherwood South and Sherwood West prospects). Indicated and inferred resources at 0.3g/t Au cut-off total 13.2Mt at 1.0g/t Au.
Renison reported that metallurgical work has shown the ore to be very amenable to carbon-in-pulp processing, with high recoveries at moderate grinds and low reagent consumptions.
A 43 hole RC drilling progranm commenced in June 2007 to increase the resource base and the scope of the project. Initial results confirmed the continuity of mineralisation beyond the current resource area.
Four deep core holes were drilled under the outcropping Friar Tuck portion of the Agate Creek Fault structure in late 2008. These were partly funded under the Queensland Government collaborative drilling initiative.
All 4 holes intersected chalcedonic quartz and breccia in the Agate Creek fault, demonstrating the vertical and lateral continuity of the mineralising system. It is thought that the holes were not deep enough to intersect the bonanza boiling zone.
Intersections included 0.6m at 5.57g/t Au from 175m, 0.5m at 5.43g/t Au from 174m, 0.3m at 2.68g/t Au from 176.6m and 1.6m at 1.07g/t Au from 215.4m.

Web Page

www.rcm.com.au

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40305 **ALICE QUEEN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 35.3 KM S OF NEW DIXIE.

1:100 000 sheet Number and Name: 7567 DIXIE

Grid Reference: Zone 54 745121 mE 8292565 mN Latitude -15.4322 Longitude 143.2842 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Alice River Gold Project

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1904 to 31-Dec-1916 1,885 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 53.9 kilograms 28.60 grams per tonne

Period: 1-Jul-2004 to 30-Jun-2005

GOLD METAL 2.8 kilograms

Published Reserves/Resources

BR 7647 Published in 2005

INDICATED MINERAL RESOURCE 183,133 tonnes Ore @ 3.81 g/t GOLD **FOR** 697 Kilograms GOLD

Comments/Cut Off Factor: 1g/t Au cut-off to a depth of 125m.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7647	2005	NORTH QUEENSLAND MINING AND EXPLORATION LIMITED	REPLACEMENT PROSPECTUS TO LIST ON THE BENDIGO STOCK EXCHANGE.	NORTH QUEENSLAND MINING AND EXPLORATION LIMITED (ACN 111 247 735), SYDNEY.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1903	to	1903	Gold discovered in the Alice River are by John Dickie on 26 June 1903. During August of 1903 upwards of 200 hopeful miners came and went from the field.
1904	to	1916	Owned and worked by Alice Queen United and Muller.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	2901	100.00%	TINPITCH PTY LTD
ML	3010	100.00%	TINPITCH PTY LTD
ML	20327	100.00%	TINPITCH PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Kintore Granite / EARLY DEVONIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE SILURIAN to DEVONIAN

Comments

A shear-hosted gold deposit with mineralisation developed in a series of subparallel and locally developed orthogonal quartz veins.
Deposit intermittently investigated for nearly 100 years with systematic work since 1987.
The leases over the deposit are held by Tinpitch Pty Ltd. In 2005, North Queensland Mining & Exploration Ltd issued a prospectus for listing on the Bendigo Stock Exchange. This company intended to acquire Tinpitch and the Alice River leases and Permits.
The listing does not appear to have proceeded.

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495645 **ALPHA OIL SHALE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 62 KM SOUTH-EAST OF ALPHA, 445KM WEST OF GLADSTONE.

1:100 000 sheet Number and Name: 8249 TROOPERS BLUFF

Grid Reference: Zone 55 482585 mE 7332209 mN Latitude -24.1223 Longitude 146.8286 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Alpha

Commodities	Size	Size Definition
OIL SHALE	MEDIUM	10 000 000 - 1 billion barrels OSH

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
MDL 330	100.00%	ALPHA RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GALILEE BASIN	Colinlea Sandstone / EARLY PERMIAN to LATE PERMIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	PERMIAN

Comments

The oil shale resource comprises an upper coal seam and a lower seam that contains a torbanite lens enclosed in coal.
MDL 330 is subject to a joint venture between Greenvale Mining NL and Esperance Minerals NL. The companies are planning to take a bulk sample, which will be shipped to the Idaho National Laboratory to test its suitability for emission control technology.
This sample lacked sufficient calcium and magnesium oxide to absorb the sulpha (SOx). The samples were also tested for oil shale yield using solvent technology.
Global Resoures Corporation advised Greenvale Mining N.L. and Esperance Mining N.L. in March 2008 that calculations have suggested that each ton of oil shale contains $319 US of product.

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559967 **ALTIA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 58KM ESE OF CLONCURRY

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 496520 mE 7679166 mN Latitude -20.9881 Longitude 140.9665 Date Recorded: 9/March/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LEAD	MEDIUM	100 000 - 2 500 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG
ZINC	SMALL	200 - 200 000 tonnes ZN
COPPER	VERY SMALL	<500 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 9775 Published in 2011

ALTIA - LENS 1

INFERRED MINERAL RESOURCE 3,910,000 tonnes Ore @

4.06 % LEAD **FOR** 158,746 Tonnes LEAD

32.30 g/t SILVER **FOR** 126,293 Kilograms SILVER

0.43 % ZINC **FOR** 16,813 Tonnes ZINC

Resource requoted from 2008 figures, requoted in 2012, but rounded and both lenses combined

BR 9775 Published in 2011

ALTIA - LENS 2

INFERRED MINERAL RESOURCE 1,870,000 tonnes Ore @

57.10 g/t SILVER **FOR** 106,777 Kilograms SILVER

3.77 % LEAD **FOR** 70,499 Tonnes LEAD

0.62 % ZINC **FOR** 11,594 Tonnes ZINC

Resource requoted from 2008 figures, requoted in 2012, but rounded and both lenses combined

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9775	2011	BREAKAWAY RESOURCES LIMITED	ANNUAL REPORT 2011.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 27 JULY 2011. BREAKAWAY RESOURCES LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
MDL 431	100.00%	LEVUKA RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Toole Creek Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL SEDIMENT-HOSTED PB-ZN (BROKEN HILL TYPE)

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

The Altia prospect is a coincident gravity, magnetic and EM anomaly that extends for 1.8km strike length. Pb-Ag-Zn mineralisation has been intersected over a 500m length in east-dipping banded iron formation beneath about 30m of Mesozoic cover rocks.

Early drilling intersected 39.6m at 8.17% Pb and 30.6g/t Ag. Drilling in 2006 intersected 39m at 6.1% Pb, 28.4g/t Ag and 0.55% Zn from 67m and 5m at 5.88% Pb, 78.7g/t Ag and 1.3% Zn from 118m.

In January 2007, Breakaway Resources announced that preliminary drilling had confirmed an extensive zone of base metal mineralisation in two, parallel, structurally-controlled zones, open in all directions.

The upper zone extends over 500m strike length, with better intersections including 19m at 3.37% Pb, 110.5g/t Ag and 0.3% Zn from 112m, 23m at 2.77% Pb, 32.4g/t Ag and 0.18% Zn from 192m, and 17m at 2.69% Pb, 78.9g/t Ag and 0.41% Zn from 81m.

The lower zone appears to occur as a subparallel series of shoots with high silver grades of up to 8oz/t. A zone of Eloise-style mineralisation (12m at 1.1% Cu and 45g/t Ag) was intersected ~150m in the footwall to the west of the Pb-Ag-Zn zone.

Breakaway intersected zones of copper mineralisation west of Altia in late 2007, with intersections of 5m at 1.32% Cu and 0.4g/t Au from 80m and 13m at 0.44% Cu fom 106m.

In 2012 Breakaway presented a combined inferred resource of 5.8Mt @ 4% Pb, 0.5% Zn and 40g/t Ag. Various other targets in a 20km radius were identified for future work: Boralis, Capricorn, Coral Reef and Altia West

In September 2012 Breakaway Resources announced secured involvement of Sandfire Resources in $8M farm-in joint venture for Broader Altia project. Drilling to commence in 2013.

In Nov 2010 Breakaway reportes that BHP has met minimum $1 million expenditure under Farm-in agreement covering Altia Ag-Pb-Zn deposit. a total of 70% interest in Altia can be earned by completing $10 mil over 5 yrs (BR9772).

In Jan 2012 BHP completed 2DDH holes to further test the deposit's potential to host a world-scale Ag-Pb-Zn system, and successfully intersected thin zones of visible galena and sphalerite min up to 340m down dip from existing min (~width 2.9 to 7m)

In Sept 2010 Breakaway reported drill intersections of 4 initial deep diamond holes (total 3914.8m). Significant intersect: 2m @ 2.86g/t Ag, 0.49% Pb, 0.42% Zn from 1144m (including 0.2m @ 4.9g/t Ag, 3.12% Pb, 0.42% Zn from 1144.4m (BR9575)).

In Nov 2010 Breakaway reported more intersects: Highlight 10m @0.65% Zn from 688m including 2m @ 1.61% Zn from 694m (BR 9576). At this time 6 DDH completed (total 4479m) to test broader potential of deposit.

Nov 2010 significant intersect results continued: 7.00m @ 0.71g/t Ag, 0.06% Pb, 0.28% Zn from 664m; 1.15m @ 3.14g/t Ag, 0.63% Pb, 0.46% Zn from 674.4m; 2.00m @ 2.72g/t Ag, 0.21% Pb, 1.61% Zn from 694m (BR9576).

Web Page

http://www.sandfire.com.au ; http://www.minotaurexploration.com.au

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507694 **AMITY**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: NORTHERN END OF NORTH STRADBROKE ISLAND. NEAR AMITY POINT.

1:100 000 sheet Number and Name: 9543 BRISBANE

Grid Reference: Zone 56 546158 mE 6966294 mN Latitude -27.4259 Longitude 153.4670 Date Recorded: 17/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
SILICA SAND	LARGE	>2 500 000 tonnes SIS

Production Details

Published Reserves/Resources

INFERRED MINERAL RESOURCE

32,000,000 Tonnes SILICA SAND

David Carmichael, DME, personal communication.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	Qpd/2-9543 / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	CENOZOIC

Comments

Amity is a silica sand deposit on North Stradbroke Island and is under tenure by ACI Operations Pty Ltd.

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486736 **AMITY SWAMP**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: NORTH STRADBROKE ISLAND

1:100 000 sheet Number and Name: 9543 BRISBANE

Grid Reference: Zone 56 543836 mE 6966196 mN Latitude -27.4269 Longitude 153.4435 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
RUTILE	SMALL	2 000 - 200 000 tonnes RUT
ILMENITE	SMALL	5 000 - 5 000 000 tonnes IM
ZIRCON	SMALL	500 - 500 000 tonnes ZIR
MONAZITE	VERY SMALL	<200 tonnes MZ

Production Details

Published Reserves/Resources

BR 8476 Published in 2006

AMITY SWAMP

MEASURED MINERAL RESOURCE 5,400,000 tonnes Ore @

1.00 % ILMENITE **FOR** 54,000 Tonnes ILMENITE

0.45 % RUTILE **FOR** 24,516 Tonnes RUTILE

0.45 % ZIRCON **FOR** 24,516 Tonnes ZIRCON

Comments/Cut Off Factor: 1.0% heavy minerals cut off.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8476	2006	CONSOLIDATED RUTILE LIMITED	ANNUAL REPORT 2006.	CONSOLIDATED RUTILE LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	1112	100.00%	STRADBROKE RUTILE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL DUNE DEPOSIT

DETAILED OREBODY MODEL DUNE DEPOSIT HEAVY MINERALS

Mineralisation Age

ORE CENOZOIC LARGE VOLUME, LOW GRADE ORE

Comments

The Amity Swamp prospect is currently owned by Consolidated Rutile Limited (2006). In 2009 Sibelco acquired all CRL assets.

Web Page

http://www.sibelco.com.au

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588132 **AMRUN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 58KM WSW OF WEIPA AIRSTRIP, 570KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7272 WEIPA

Grid Reference: Zone 54 573819 mE 8568599 mN Latitude -12.9472 Longitude 141.6806 Date Recorded: 19/January/2017

Other Names for Deposit / Mine

South Of Embley

Commodities	Size	Size Definition
BAUXITE	LARGE	>200 000 000 tonnes BX

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source
BR 10183	2012	RIO TINTO PLC	2012 ANNUAL REPORT.	RIO TINTO PLC, LONDON. REPORTED TO AUSTRALIAN STOCK EXCHANGE, MARCH 2013; RIO TINTO LTD, MELBOURNE

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	7024	100.00%	RTA WEIPA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

Mineralisation Age

ORE	CENOZOIC

Comments

Bauxite occurs within the topmost of four zones (laterite, mottled, pallid and "saprolite") recognised in the 20 - 30m thick weathering profile. The laterite zone comprises iron-cemented soil overburden about 0.5m thick
(which is removed by ripping), and a 1 to 5m thick bauxite layer underlain by 1 to 2m of ironstone. The bauxite comprises loose pisolites that consist of gibbsite and boehmite with small amounts of kaolinite and quartz.
Generally, the bauxite is poorly cemented or uncemented and mining will be relatively easy.
A decision to construct the Amrun bauxite mine was made by Rio Tinto Alcan in November 2015. The estimated capital cost is US$1.9 billion and includes development of associated processing and port facilities.
Construction should take approximately three years and production and shipping are expected to commence in the first half of 2019. The planned initial output is 22.8 Mtpa, ramping up to full production by the end of the first year.
The project¿s design provides options for future expansion to 50 Mtpa. The bauxite reserves on-site are reported to be sufficient to sustain a mining operation for about 40 years, depending on the annual production rate.

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40702 **ANASTASIA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 36KM NNW OF LYNDBROOK SIDING, 165KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7762 LYNDBROOK

Grid Reference: Zone 55 209314 mE 8056169 mN Latitude -17.5620 Longitude 144.2617 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Anastasia No 1,2 & 3

Lynd River Project

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Published Reserves/Resources

BR 6156 Published in 1998

INDICATED MINERAL RESOURCE 390,000 tonnes Ore @ 2.50 g/t GOLD **FOR** 975 Kilograms GOLD

Comments/Cut Off Factor: 0.8g/t cut off grade estimated to a depth of 70m.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6156	1998	NETHERY J E	ANASTASIA GOLD DEPOSIT	IN GEOLOGY OF AUSTRALIAN AND PAPUA NEW GUINEAN MINERAL DEPOSITS (EDS: D A BERKMAN AND D H MACKENZIE), PP 669-674 (THE AUSTRALASIAN INSTITUTE OF MINING AND METALLURGY, MELBOURNE).

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8993	100.00%	QUEENSLAND EPITHERMAL MINERALS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Scardons Volcanic Group / LATE CARBONIFEROUS to EARLY PERMIAN
ETHERIDGE PROVINCE	McDevitt Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	HIGH SULPHIDATION EPITHERMAL

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

This deposit occurs at the north-east extremity of the middle Carboniferous to Early Permian Scardons Volcanics cauldron subsidence.
Three separate volcanic vents, possibly marginal conduits of the ignimbrite field, have been recognised.
Epithermal Au-Ag mineralisation occurs in the brecciated exodome section of the rhyolite as well as the country rock metamorphics and is mainly associated with intense silica flooding. These zones have a characteristic vughy texture.
Several significant zones of clay-pyrite alteration have been identified. Within the metamorphics, the mineralisation occurs as a series of tabular quartz-sulphide fracture fill and replacement zones.
Drilling by Queensland Minerals Ltd in 2008 returned 8m at 2.44g/t Au and 1.49% Cu from 226.8m (including 0.9m at 3.14g/t Au and 9.8% Cu) from the cental breccia and 7m at 1.44g/t Au, 38g/t Ag and 4.02% Cu from 73m on the north-east side of the prospect.

Web Page

www.queenslandminerals.com

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493626 **ANDERSON'S LODE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 14.5 KM NORTH-EAST OF MOUNT ISA.

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 355435 mE 7714699 mN Latitude -20.6614 Longitude 139.6122 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Andersons
Counter
Battery
Geiger
Fathers Day
Counter Deposit

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U
VANADIUM OXIDE	SMALL	5 - 500 tonnes V
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Published Reserves/Resources

BR 9918 Published in 2012 **ANDERSON'S LODE**

INDICATED MINERAL RESOURCE 1,400,000 tonnes Ore @ 0.14 % URANIUM OXIDE **FOR** 2,028 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 0.025% U3O8

BR 9918 Published in 2012 **ANDERSON'S LODE**

INFERRED MINERAL RESOURCE 100,000 tonnes Ore @ 0.16 % URANIUM OXIDE **FOR** 163 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 0.025% U3O8

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9918	2012	SUMMIT RESOURCES LIMITED	QUARTERLY REPORT FOR PERIOD ENDING - 30 JUNE 2012	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 27 JULY 2012. SUMMIT RESOURCES LIMITED, SUBIACO.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	More than ten pits.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17511	100.00%	SUMMIT RESOURCES (AUST) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Cromwell Metabasalt Member/s5 / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	STRATABOUND URANIUM-COPPER
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	PROTEROZOIC	Examples of higher metamorphic grade have textures that suggest uranium deposition was pre- to synmetamorphic at the latest (BR 7718)

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Comments

The deposit was discovered by P. Anderson and party in 1954. Australasian Oil Exploration (AOE) purchased the leases, drilled the deposit (8 holes) and carried out metallurgical testing. Investigations were postponed after AOE acquired Mary Kathleen.

Queensland Mines Ltd (owned by Factors Ltd and AOE) drilled 23 holes in 1959 and 1960. Investigations were suspended in 1972. The deposit is now held by Summit Resources (Australia) Pty Ltd.

Drilling has intersected consistent widths (3 to 33m down-hole) of U-V mineralisation (averaging up to 0.26% U3O8 and 0.36% V2O5) down to 300m depth. The main ore shoot is mineralised from the surface.

Drilling intersections have included 28m at 0.22% U3O8 and 0.27% V2O5, 40m at 0.21% U3O8 and 0.31% V2O5, and 20m at 0.18% U3O8 and 0.29% V2O5. The mineralisation is also anomalous in Cu (up to 2.35%).

In March 2007, Summit Resources announced that wide zones of high-grade U mineralisation had been intersected in drilholes at Andersons, including 51m at 0.16% U3O8 and 0.34% V2O5, 38m at 0.17% U3O8 and 0.38% V2O5 and 20m at 0.16% U3O8 and 0.34% V2O5.

Web Page

www.summitresources.com.au

www.summitresources.com.au

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

483053 **ANDURAMBA**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: ANDURAMBA PROSPECT IS 14 KM NNE OF CROWS NEST

1:100 000 sheet Number and Name: 9343 ESK

Grid Reference: Zone 56 411603 mE 6997304 mN Latitude -27.1439 Longitude 152.1079 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Anduramba Prospect
Felix Mine
Andurambah

Commodities	Size	Size Definition
MOLYBDENUM	MEDIUM	5 000 - 200 000 tonnes MO
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG
SILICA SAND	MEDIUM	1 000 000 - 2 500 000 tonnes SIS
FELDSPAR	MEDIUM	1 000 - 100 000 tonnes FS
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Published Reserves/Resources

BR 8873 Published in 2008 **ANDURAMBA**

INDICATED MINERAL RESOURCE 21,013,961 tonnes Ore @

5.69 g/t SILVER **FOR** 119,569 Kilograms SILVER
0.06 % MOLYBDENUM **FOR** 11,914 Tonnes MOLYBDENUM
0.02 % COPPER **FOR** 3,341 Tonnes COPPER

Comments/Cut Off Factor: 0.03% Mo equivalent cutoff.

BR 8873 Published in 2008 **ANDURAMBA**

INFERRED MINERAL RESOURCE 10,614,273 tonnes Ore @

2.81 g/t SILVER **FOR** 29,826 Kilograms SILVER
0.05 % MOLYBDENUM **FOR** 5,169 Tonnes MOLYBDENUM
0.01 % COPPER **FOR** 997 Tonnes COPPER

Comments/Cut Off Factor: 0.03% Mo equivalent cutoff. Resource is in Mo equivalent (includes Mo oxide, Cu and Ag content).

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8873	2008	D'AGUILAR GOLD LIMITED	ANDURAMBA MOLYBDENUM PROJECT UPDATE.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 29 OCTOBER 2008. D'AGUILAR GOLD LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
ADITS	
SHAFTS	
DECLINED SHAFTS/DRIVES	
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Eskdale Granodiorite/a / EARLY TRIASSIC to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY MOLYBDENUM

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Mineralisation Age

ORE	TRIASSIC

Comments

In January 2007, D'Aguilar Gold Ltd announced that drilling had confirmed the previous economic intercepts from historical drilling, delineated a 250m by 200m high-grade Mo-Ag core zone, and extended the mineralised envelope to the north and north-west.
Drilling intecepts announced in January 2007 included 18m at 0.22% Mo from 55m, 33m at 0.12% Mo from 71m, and 130m at 19ppm Ag, including 43m at 27ppm Ag from 28m.
Deposit initially defined by CRA and later delineated by BHP. D'Aguilar is currently conducting a feasibility study of the deposit in response to record high molybdenum prices.
In April 2007, D'Aguilar Gold announced that a revised resource-reserve study had indicated a discounted net present value of $155 million based on a 2Mt per annum mining operation.
A new resource estimation block model was completed in July 2007. Drilling is continuing to further define resource boundaries in the north, north-west and north-east of the deposit and to improve definition of the high-grade core zone.
A revised resource block model and optimisation was announced in December 2007. In the March 2008 quarter, D'Aguilar drilled three oriented HQ core holes (611m) to provide large samples for detailed metallurgical testing and density measurements.
A pre-feasibility review completed in late July 2008 indicated an 11 year, 1.95 to 3Mtpa sulphide mine delivering a three year payback of A$87M Capex and an NVP of A$126M with an IRR of 34%. A definitive feasibility study will start in November 2008.
Preliminary testwork has identified the potential to produce up to 1.33Mtpa of industrial grade silica-feldspar sand.

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41125 **ANGLO SAXON**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 38.4KM S OF MAYTOWN.

1:100 000 sheet Number and Name: 7765 MAYTOWN

Grid Reference: Zone 55 214915 mE 8185369 mN Latitude -16.3961 Longitude 144.3310 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1887 to 31-Dec-1897 19,057 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	960.0 kilograms	50.37 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
ADITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 17649	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)

Mineralisation Age

ORE	PALAEOZOIC

Comments

The Anglo Saxon mine, discovered in 1886, was the single largest lode gold producer in the Palmer Goldfield. It was mined to 183m depth and prospected to 240m depth. Gold was patchily distributed with pyrite in narrow sections of the quartz lode.

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504546 **ANIMASU SANDSTONE**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: SEVENTEEN MILE ROAD, HELIDON

1:100 000 sheet Number and Name: 9342 HELIDON

Grid Reference: Zone 56 416124 mE 6957353 mN Latitude -27.5048 Longitude 152.1508 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BUILDING STONE	VERY SMALL	<100 000 tonnes BLST
SANDSTONE	SMALL	10 000 - 100 000 tonnes SST

Production Details

Period: 1-Jul-1996 to 30-Jun-2007

SANDSTONE	19,553.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	50022	100.00%	BLACKSOIL INVESTMENTS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CLARENCE-MORETON BASIN	Woogaroo Subgroup / LATE TRIASSIC to EARLY JURASSIC

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

Mineralisation Age

ORE LATE TRIASSIC to EARLY JURASSIC

Comments

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494016 **ANSWER**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 12 KM WEST-NORTH-WEST OF SELWYN; 138KM SE OF MT ISA; 34KM N OF CHATSWORTH

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 433969 mE 7603556 mN Latitude -21.6700 Longitude 140.3618 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jan-1911	to	31-Dec-1920	8,263 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	841.8 tonnes	
GOLD			BULLION	11.1 kilograms	
Period:	1-Jan-1967	to	31-Dec-1976	2,695 tonnes HARD ROCK ORE (OR REEF)	
COPPER			PRECIPITATE	188.5 tonnes	6.90 percent

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1911	to	1920	Main productive period; worked by the Hampden Company; mine abandoned in 1923
1967	to	1979	Hard rock production recorded from 1967 to 1976; in 1974 a 5 vat leaching plant set up using highly acid mine waters. In 1979 about 4t per month of Cu cement containing 85-87% Cu was being produced (BR5161)
1992	to	1992	ERMS 25582 states that the mine was currently working; some of the large pits and excavations seen at the site were probably dug then.

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	originally 6 but most destroyed by opencuts
UNDERGROUND MINING METHODS	Considerable underground development; the lode was opened up for about 150m at the 60m level

Tenure Type/Number		SHARE	Company Name/Surname
ML	2517	100.00%	NORTH QUEENSLAND MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Answer Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Web Page

http://www.qmcl.com.au/

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502873 **ANTHILL**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 33.1KM WSW OF CALTON HILLS

1:100 000 sheet Number and Name: 6757 KENNEDY GAP

Grid Reference: Zone 54 303120 mE 7759665 mN Latitude -20.2505 Longitude 139.1151 Date Recorded: 9/February/2017

Other Names for Deposit / Mine

Python

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 10433 Published in 2015 **ANTHILL OXIDE ORE**

INDICATED MINERAL RESOURCE 6,100,000 tonnes Ore @ 0.71 % COPPER **FOR** 43,310 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **ANTHILL OXIDE ORE**

INFERRED MINERAL RESOURCE 100,000 tonnes Ore @ 0.37 % COPPER **FOR** 370 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **ANTHILL OXIDE ORE**

MEASURED MINERAL RESOURCE 2,700,000 tonnes Ore @ 0.77 % COPPER **FOR** 20,790 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **ANTHILL SULPHIDE ORE**

INDICATED MINERAL RESOURCE 800,000 tonnes Ore @ 0.61 % COPPER **FOR** 4,880 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **ANTHILL SULPHIDE ORE**

INFERRED MINERAL RESOURCE 1,700,000 tonnes Ore @ 0.54 % COPPER **FOR** 9,180 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **ANTHILL SULPHIDE ORE**

MEASURED MINERAL RESOURCE 20,000 tonnes Ore @ 0.70 % COPPER **FOR** 140 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **ANTHILL TRANSITIONAL ORE**

INDICATED MINERAL RESOURCE 1,800,000 tonnes Ore @ 0.76 % COPPER **FOR** 13,680 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **ANTHILL TRANSITIONAL ORE**

INFERRED MINERAL RESOURCE 300,000 tonnes Ore @ 0.47 % COPPER **FOR** 1,410 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **ANTHILL TRANSITIONAL ORE**

MEASURED MINERAL RESOURCE 300,000 tonnes Ore @ 0.90 % COPPER **FOR** 2,700 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10433	2015	CST MINING GROUP LIMITED	EXPLORE THE ROAD TO SUCCESS - ANNUAL REPORT 2015	ANNOUNCEMENT TO THE STOCK EXCHANGE OF HONG KONG LIMITED, 30 DECEMBER 2015. CST MINING GROUP LIMITED, MELBOURNE.

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Major Mining Related Events

Year Commenced	Year Completed	Comments
2010		CST Mining Ltd commmenced mining and exploartion operations in September 2010.

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	16244	100.00%	CST MINERALS LADY ANNIE PTY LIMITED
ML	90233	100.00%	CST MINERALS LADY ANNIE PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SYBELLA DOMAIN	Paradise Creek Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE	PROTEROZOIC

Comments

The Anthill (Python) Prospect is marked by ferruginous outcrops with elevated Cu-Au. It appears to be related to the intersection of the Camp and Kennedy Faults. Drilling by MIM in the early 1990s indicated significant oxide copper mineralisation.
MIM reported that the deposit contains 1.6Mt at 1.9% Cu, based on a limited number of drillholes. The defined oxide copper mineralisation appears to occur at depths of 40 to 60m below the surface.
CopperCo Ltd drilled this prospect in late 2006. Intersections included 13m at 1.35% Cu from 37m, 38m at 2.71% Cu from 48m, and 54m at 1.18% Cu from 75m (including 13m at 2.46% Cu from 113m).
CopperCo Ltd began resource definition drilling on the Anthill Prospect during the 3rd quarter of 2007.
Drilling results announced in November 2007 included oxide copper intercepts of 64m at 2.26% Cu from 83m (including 11m at 6.43% Cu from 111m), 31m at 1.23% Cu from 77m and 13m at 1.61% Cu from 30m.
Sulphide copper intercepts beneath the oxide blanket included 7m at 1.12% Cu from 148m, 11m at 1.73% Cu from 99m and 17m at 1.87% Cu from 55m. Resource figures were announced in December 2007.
CopperCo went into voluntary administration in November 2008. Cape Lambert Iron Ore Ltd purchased CopperCo's assets in June 2009.
An Initial Public Offering to form a new company to manage the Lady Annie project is planned.
CST Mining resumed mining at Lady Annie in September 2010 (CST is registered in the Hong Kong Exchanges: Code 985). New resources for Anthill reported (BR9537). Additional drilling intersections reported -> not included in resource figures.
CST mining has completed 9600m of RC drilling as part of a massive exploration and expansion program by Dec 2010. Objective was: Extend known resource and improve confidence in mineral resource category and define higher grade zones within orebody.
In 2010 the significant intercepts reported consist of Chalcocite, malachite, azurite, cuprite and fine-grained disseminated native copper.
Low grade Au mineralisation is also present at Anthill and appears to be spatially seperate.
Drilling results announced by CST mining Ltd in Dec 2010 (not included in 2010 resource figures) include: BURC014 with 10m @ 3.95% Cu; BURC012 with 22m @ 3.96% Cu; BURC011 with 18m @ 0.98% Cu; BURC064 with 42m @ 2.16% Cu; and BURC066 with 31m @ 4.40% Cu.
Trial column leach testwork to determine the amenability of the Anthill ore to be treated by the Mt. Kelly SX-EW Process Plant commenced on the June 24, 2011 (BR9816).
In 2011 CST reported significant gold intercepts from BURC012 6m @ 0.30g/t Au and BURC011 20m @ 0.45g/t Au (BR9815). A multipurpose diamond and RC drill-rig drilled full-time at Anthill and its immediate environs (BR9816).
Mining at Lady Annie ceased in January 2016 due to low prices. In June 2016 the name CST Mining was changed to NetMind Financial Holdings Limited.

Web Page

http://www.cstmining.com

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588053 **ANTHILL WEST**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 33.3KM WSW OF CALTON HILLS

1:100 000 sheet Number and Name: 6757 KENNEDY GAP

Grid Reference: Zone 54 302600 mE 7758900 mN Latitude -20.2574 Longitude 139.1101 Date Recorded: 20/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 9959 Published in 2012 **ANTHILL WEST OXIDE**

INDICATED MINERAL RESOURCE 1,720,000 tonnes Ore @ 0.58 % COPPER **FOR** 9,976 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off

BR 9959 Published in 2012 **ANTHILL WEST OXIDE**

MEASURED MINERAL RESOURCE 1,270,000 tonnes Ore @ 0.62 % COPPER **FOR** 7,874 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off

BR 9959 Published in 2012 **ANTHILL WEST SULPHIDE**

INDICATED MINERAL RESOURCE 670,000 tonnes Ore @ 0.65 % COPPER **FOR** 4,355 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off

BR 9959 Published in 2012 **ANTHILL WEST SULPHIDE**

INFERRED MINERAL RESOURCE 680,000 tonnes Ore @ 0.62 % COPPER **FOR** 4,216 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off

BR 9959 Published in 2012 **ANTHILL WEST SULPHIDE**

MEASURED MINERAL RESOURCE 20,000 tonnes Ore @ 0.68 % COPPER **FOR** 136 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off

BR 9959 Published in 2012 **ANTHILL WEST TRANSITIONAL**

INDICATED MINERAL RESOURCE 860,000 tonnes Ore @ 0.68 % COPPER **FOR** 5,848 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off

BR 9959 Published in 2012 **ANTHILL WEST TRANSITIONAL**

MEASURED MINERAL RESOURCE 170,000 tonnes Ore @ 0.78 % COPPER **FOR** 1,326 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9959	2012	CST MINING GROUP LIMITED	ANNOUNCEMENT CST MINING - LADY ANNIE OPERATIONS - UPDATED MINERAL RESOURCE ESTIMATES LADY BRENDA AND ANTHILL	ANNOUNCEMENT TO THE STOCK EXCHANGE OF HONG KONG LIMITED, 20 NOVEMBER 2012. CST MINING GROUP LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	16244	100.00%	CST MINERALS LADY ANNIE PTY LIMITED
ML	90233	100.00%	CST MINERALS LADY ANNIE PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SYBELLA DOMAIN	Paradise Creek Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

Mineralisation Age

ORE	PROTEROZOIC

Comments

Mining at Lady Annie ceased in January 2016 due to low prices. In June 2016 the name CST Mining was changed to NetMind Financial Holdings Limited.

Web Page

http://www.cstmining.com

Queensland Minerals

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512636 **ANTHONY**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 19 KM ESE OF FRANKFIELD HOMESTEAD

1:100 000 sheet Number and Name: 8353 FRANKFIELD

Grid Reference: Zone 55 529000 mE 7532750 mN Latitude -22.3107 Longitude 147.2816 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Dead Horse Bore
Anthony Prospect
Dead Horse
Dead Horse Bore Turnoff
Frankfield Turnoff

Commodities	Size	Size Definition
MOLYBDENUM	MEDIUM	5 000 - 200 000 tonnes MO
COPPER	VERY SMALL	<500 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Published Reserves/Resources

BR 9888 Published in 2012 **ANTHONY SULPHIDE**

INFERRED MINERAL RESOURCE 250,000,000 tonnes Ore @ 0.04 % MOLYBDENUM **FOR** 97,500 Tonnes MOLYBDENUM

Comments/Cut Off Factor: 200 ppm

BR 9888 Published in 2012 **ANTHONY TRANSITION AND OXIDE**

INFERRED MINERAL RESOURCE 65,000,000 tonnes Ore @ 0.04 % MOLYBDENUM **FOR** 24,440 Tonnes MOLYBDENUM

Comments/Cut Off Factor: 200 ppm

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9888	2012	KEN MAIDEN	ZAMIA METALS LIMITED QUARTERLY ACTIVITIES REPORT FOR THE QUARTER ENDED 31 MARCH 2012	REPORT TO THE AUSTRALIAN STOCK EXCHANGE 30-APRIL-2012

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15145	100.00%	ZAMIA RESOURCES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ANAKIE OROGEN	Anakie Metamorphic Group / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU

Mineralisation Age

ORE

Comments

Drilling in late 2007 and early 2008 intersected fresh rock with widespread but variable pyrite and molybdenite mineralisation. All 13 RC holes (1924m) contained intersections with >0.02% Mo.
Drilling has delineated stockwork mineralisation over a 800m by 350m area and down to 300m depth within hornfelsed Anakie Metamorphics.
Drilling in 2009 to previously identified high-grade zone, to demonstrate continuity of mineralisation and established an initial JORC-compliant resource.

Web Page

www.zamia.com.au

Queensland Minerals

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36030 **ANTIMONY REWARD**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 6.5 KM NE OF EMUFORD.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 294364 mE 8073969 mN Latitude -17.4107 Longitude 145.0642 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Waterhole

Commodities	Size	Size Definition
ANTIMONY	MEDIUM	5 000 - 50 000 tonnes SB
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

89 tonnes KNOWN HISTORIC PRODUCTION

ANTIMONY 9.1 tonnes

Published Reserves/Resources

ANTIMONY REWARD

INFERRED MINERAL RESOURCE 16,500 tonnes Ore @ 45.00 % ANTIMONY **FOR** 7,425 Tonnes ANTIMONY

29-65% Sb (Atherton Antimony NL, Southern Miner 1971).

ANTIMONY REWARD

PROBABLE ORE RESERVE 96,200 tonnes Ore @ 6.00 % ANTIMONY **FOR** 5,772 Tonnes ANTIMONY

Comments/Cut Off Factor: 3-10% Sb.

Source Atherton Antimony NL, Southern Miner 1971.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1915	to	1915	
1950	to	1950	
1971	to	1971	

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
SHAFTS	
ADITS	
PITS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Featherbed Volcanic Group / LATE CARBONIFEROUS to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	SIMPLE SB (QUARTZ-STIBNITE TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS to EARLY PERMIAN

Comments

Mapping of this prospect by Kangaroo Metals Ltd delineated high-grade Sb vein structures at surface. RC drilling completed in May 2008 intersected high grade mineralisation, with 3m @ 3.49% Sb from 62 m (ARRC006) and 5m @ 3.21% Sb from 19m (ARRC012). Diamond drilling over the prospect was completed in the December 2008 quarter but samples have not been assayed yet.

Web Page

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493627 **ARDMORE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 12 KM ESE OF ARDMORE HOMESTEAD, 109 KM SOUTH OF MOUNT ISA.

1:100 000 sheet Number and Name: 6754 ARDMORE

Grid Reference: Zone 54 322728 mE 7600323 mN Latitude -21.6916 Longitude 139.2865 Date Recorded: 17/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

BR 5122 Published in 1990 **ARDMORE**

INDICATED MINERAL RESOURCE 47,000,000 tonnes Ore @ 15.60 % PHOSPHATE **FOR** 7,332,000 Tonnes PHOSPHATE

Grades 15.6% P2O5

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5122	1990	FREEMAN, M.J., SHERGOLD, J.H., MORRIS, D.G., & WALTER, M.R.	Late Proterozoic and Palaeozoic basins of central and northern Australia - regional geology and mineralisation.	In Hughes, F.E., (Editor): Geology and Mineral Deposits of Australia and Papua New Guinea. The Australasian Institute of Mining and Metallurgy Monograph Series, 14, 1125-1133.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	5542	100.00%	SOUTHERN CROSS FERTILISERS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Beetle Creek Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	MIDDLE CAMBRIAN

Comments

Deposit was held by Southern Cross Fertilizers Pty Ltd, which was acquired by BHP Billiton after takeover of WMC. In August 2006, BHP Billiton sold Southern Cross Fertilizers to Incitec Pivot Ltd.

In February 2017 Centrex Metals signs deal for Ardmore deposit.Centrex Metals establish an independent exploration target at 12.0 to 16.5 Mt and 28% to 29.4% P2O5.

302 historic drill holes completed in the deposit, with the target phosphorite unit hangingwall and footwall contacts depths 8.3m and 12.0 m on average (based on drill data, indicating favourable shallow-open cut mining operations.

Centrex Metals plan further drilling for JORC evaluation in 2017.

Web Page

www.incitec.com; www.centrexmetals.com.au

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481674 **AREA 2**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 0.8 KM SSW OF RAVENSWOOD.

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 488244 mE 7776616 mN Latitude -20.1075 Longitude 146.8875 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Area 2 Underground

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1992 to 31-Dec-1993 174,000 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,757.4 kilograms 10.10 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Operating Mine Life: 1992 to 1993 Underground mining by Carpentaria Gold Pty Ltd.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
DECLINED SHAFTS/DRIVES	
STOPING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1380	100.00%	CARPENTARIA GOLD PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Jessop Creek Granite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE PALAEOZOIC

Comments

Web Page

www.resolute-ltd.com.au

38232 **AREA 2 DEPOSIT**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 42.0KM ENE OF WEIPA AIRSTRIP, 565KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7372 YORK DOWNS

Grid Reference: Zone 54 637622 mE 8617167 mN Latitude -12.5059 Longitude 142.2665 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

Company Report 4431 Published in 1972

INFERRED MINERAL RESOURCE 1,400,000 tonnes Ore @
1,400,000 Tonnes BAUXITE

Comments/Cut Off Factor: Grades 54% alumina and >9% reactive silica.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

Cape Alumina Pty Ltd, a 50%-owned subsidiary of Metallica Minerals Ltd, has applied for EPM 15277, which covers the Area 2 deposit. CRA Exploration Pty Ltd delineated this deposit between 1972 and 1975. An inferred resource of 1.4Mt of bauxite with >9% reactive silica and 54% alumina was estimated for Area 2. This was uneconomic to develop.

Web Page

www.metallica minerals.com.au; www.capealumina.com.au

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481676 **AREA 5**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 1 KM SE OF RAVENSWOOD

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 489096 mE 7776649 mN Latitude -20.1072 Longitude 146.8957 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Happy Dream Reef
Golden Bar
Young Native

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1880	to	31-Dec-1915		261 tonnes KNOWN HISTORIC PRODUCTION	
GOLD				BULLION	20.6 kilograms	
Period:	1-Jan-1988	to	31-Dec-1991		260,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	624.0 kilograms	2.40 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1880	to	1915	Golden Bar mine worked in 1901 and 1913 and Young Native mine worked between 1880-1881 and 1901-1915.

Operating Mine Life: 1988 to 1991 Mined by Carpentaria Gold Pty Ltd via open cut methods

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1574	100.00%	CARPENTARIA GOLD PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Jessop Creek Granite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	CARBONIFEROUS

Comments

The Area 5 pit (1988-1991) took out the Golden Bar and Young Native mines and the Happy Dream Reef.
The Area 5 open cut mined numerous trending lodes/vein sets were identified but the main two were a chloritised north-west trending fracture (Area 5 South) and a north west trending fissure vein, shallowly dipping to the south west (Area 5 North).

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497607 **ARROLLA**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 152 KM E OF MOUNT ISA, 46.8 KM E OF CLONCURRY.

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 494598 mE 7701466 mN Latitude -20.7866 Longitude 140.9481 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Undina

Commodities	Size	Size Definition
LIMESTONE	MEDIUM	2 000 000 - 10 000 000 tonnes LST

Production Details

Published Reserves/Resources

ARROLLA

INFERRED MINERAL RESOURCE 8,250,000 tonnes Ore @
8,250,000 Tonnes LIMESTONE

Comments/Cut Off Factor: Resource reported in MDL 280 application. Resource estimated as at December 1997.
Resource reported in MDL 280 application

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
EROMANGA BASIN	Toolebuc Formation / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	CRETACEOUS

Comments

This resource was investigated to secure a reliable source of high purity limestone for mineral processing activities at the Ernest Henry copper-gold mine. Limestone is limited to ridges and rises separated by grassy flats with black and red soils.

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493628 **ATRIC**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 83 KM WEST OF MOUNT CARBINE, 150KM NW CAIRNS.

1:100 000 sheet Number and Name: 7764 BELLEVUE

Grid Reference: Zone 55 218488 mE 8172078 mN Latitude -16.5165 Longitude 144.3628 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Bellevue

Bellevue East Shear

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
ANTIMONY	VERY SMALL	<50 tonnes SB

Production Details

Published Reserves/Resources

BR 9939 Published in 2011 **ATRIC**

INDICATED MINERAL RESOURCE 988,888 tonnes Ore @ 1.90 g/t GOLD **FOR** 1,878 Kilograms GOLD

Comments/Cut Off Factor: 1.9g/t Au

BR 9939 Published in 2011 **ATRIC**

INFERRED MINERAL RESOURCE 51,111 tonnes Ore @ 1.70 g/t GOLD **FOR** 86 Kilograms GOLD

Comments/Cut Off Factor: 1.7g/t Au

Republic reported 90% figure -> recalculated

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9939	2011	REPUBLIC GOLD LIMITED	ANNUAL REPORT 2011	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 31 SEPTEMBER 2011. REPUBLIC GOLD LIMITED, MAREEBA.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
EPM	8689	10.00%	STUART	Neil Francis
EPM	8689	90.00%	TERRITORY MINERALS LTD	

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)	

Mineralisation Age

ORE LATE DEVONIAN

Comments

Mineralisation appears to make up one southerly dipping shoot showing good continuity and is open at depth and to the south. The sulphides and gold preferentially occur in carbonaceous phyllite, with fold hinges also focusing mineralisation.
The Atric deposit lies on a 6km long anomalous zone associated with a major structural feature called the Bellevue East Shear.
Metallurgical studies in 1996 indicated that the ore is refractory in nature due to arsenopyrite associated with the gold.
Republic Gold Ltd was earning up to 90% in the prospect. On the 14th of October 2011 Republic Gold sold all assets in Far North Queensland to Territory Minerals Pty Ltd (BR9940).

Web Page

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486378 **AUCKLAND HILL**

ABANDONED MINE

Descriptive Location: 200M S OF AUCKLAND POINT

1:100 000 sheet Number and Name: 9150 GLADSTONE

Grid Reference: Zone 56 322106 mE 7363074 mN Latitude -23.8338 Longitude 151.2534 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
MANGANESE	SMALL	100 - 100 000 tonnes MN

Production Details

Period: 1-Jan-1882 to 31-Dec-1900

MANGANESE OXIDES	1,298.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments
1882		MINING COMMENCED TO SUPPLY CHARTERS TOWERS AND MOUNT MORGAN
1895 to	1900	MINING SPORADIC

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	SAFETY GRILL ON SHAFT.
PITS	
ADITS	FILLED IN PORTAL (NO LONGER VISIBLE).

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
WANDILLA PROVINCE	Wandilla Formation / LATE DEVONIAN to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EXHALATIVE-RELATED DEPOSIT
DETAILED OREBODY MODEL	VOLCANOGENIC MN

Mineralisation Age

ORE	PALAEOZOIC

Comments

Web Page

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486785 **AUSTRAL BRICKS DARRA**

ABANDONED MINE

Descriptive Location: 2.2KM ENE OF DARRA, BRISBANE.

1:100 000 sheet Number and Name: 9442 IPSWICH

Grid Reference: Zone 56 497390 mE 6951093 mN Latitude -27.5639 Longitude 152.9736 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Brittain

Commodities	Size	Size Definition
BRICK CLAY	MEDIUM	200 000 - 20 000 000 tonnes BKCY

Production Details

Period:	1-Jul-1996	to	30-Jun-1997	
BRICK CLAY				15,150.0 tonnes
Period:	1-Jul-1997	to	30-Jun-1998	
BRICK CLAY				28,000.0 tonnes
Period:	1-Jul-1998	to	30-Jun-1999	
BRICK CLAY				26,420.0 tonnes
Period:	1-Jul-2000	to	30-Jun-2001	
BRICK CLAY				50,000.0 tonnes
Period:	1-Jul-2001	to	30-Jun-2002	
BRICK CLAY				50,000.0 tonnes
Period:	1-Jul-2003	to	30-Jun-2004	
BRICK CLAY				42,868.0 tonnes
Period:	1-Jul-2004	to	30-Jun-2005	
BRICK CLAY				42,599.0 tonnes
Period:	1-Jul-2005	to	30-Jun-2006	
BRICK CLAY				10,784.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
OXLEY BASIN	Darra Formation / LATE TERTIARY to LATE TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE TERTIARY

Comments

This site was backfilled and rehabilitated in 2008. In early 2009, it was put on the market as a potential housing development site.

Web Page

www.australbrick.com.au

Queensland Minerals

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496828 **AVOCA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 55KM SE ALPHA, 125KM WEST OF EMERALD, 420KM WEST OF GLADSTONE.

1:100 000 sheet Number and Name: 8350 BOGANTUNGAN

Grid Reference: Zone 55 504635 mE 7348395 mN Latitude -23.9762 Longitude 147.0456 Date Recorded: 15/May/2015

Other Names for Deposit / Mine

Kathryn One

Commodities	Size	Size Definition
ZEOLITE	LARGE	>2 000 000 tonnes ZEOL

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	70215	100.00%	ZEOLITE AUSTRALIA PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DRUMMOND BASIN	Ducabrook Formation / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

Mineralisation Age

ORE EARLY CARBONIFEROUS

Comments

Zeolites occur in altered, water-lain, ash-fall tuffs of the Early Carboniferous Ducabrook Formation. The sequence is gently folded with no evidence of metamorphism.

The resource occurs within three beds. The middle bed has excellent grades (135-160 meg/100g cation capacity) of Ca-clinoptilolite-type zeolite. The unit averages 2-3m in thickness with little (<0.5m) overburden.

The zeolite beds crop out along a south-east-trending ridge and dip gently south-west. The middle bed caps the ridge.

In April 2000, Supersorb Minerals NL entered into an agreement with Currumbin Sand and Gravel Pty Ltd (a subsidiary of the Queensland-based Neumann Group) that allowed it to mine and process zeolite material from ML 70215.

In June 2007, Supersorb divested itself of all its zeolite interests.

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Queensland Minerals

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490748 **BABBLING BROOKE HILL**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 16 KM NORTH-WEST OF CENTURY MINE, 230KM NW OF MT ISA.

1:100 000 sheet Number and Name: 6560 MUSSELBROOK

Grid Reference: Zone 54 231421 mE 7932365 mN Latitude -18.6827 Longitude 138.4536 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

Company Report 15312 Published in 1986 **BABBLING BROOKE HILL**

INFERRED MINERAL RESOURCE 38,000,000 tonnes Ore @ 16.80 % PHOSPHATE **FOR** 6,384,000 Tonnes PHOSPHATE

Average grade of 16.8% P_2O_5, 4% Al_2O_3, 7.8% Fe_2O_3 and 1.2% CO_2.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14712	20.00%	PACIFIC MINES LIMITED
EPM	14712	80.00%	AEON WALFORD CREEK LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Border Waterhole Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	MIDDLE CAMBRIAN

Comments

The bulk of the phosphate resource occurs in an area of low chert-rubble covered hills, comprising erosional remnants of the lower Border Waterhole Formation.

Web Page

www.summitresources.com.au; www.mmmining.com.au

Queensland Minerals

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501361 **BAMBINO**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 8.9KM NW OF MOUNT ISA

1:100 000 sheet Number and Name: 6756 MOUNT ISA

Grid Reference: Zone 54 335530 mE 7712515 mN Latitude -20.6795 Longitude 139.4210 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U

Production Details

Published Reserves/Resources

BR 9423 Published in 2010 **BAMBINO**

INDICATED MINERAL RESOURCE 370,000 tonnes Ore @ 0.04 % URANIUM OXIDE **FOR** 144 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 300ppm U3O8

BR 9423 Published in 2010 **BAMBINO**

INFERRED MINERAL RESOURCE 670,000 tonnes Ore @ 0.04 % URANIUM OXIDE **FOR** 247 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 300ppm U3O8

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9423	2010	DEEP YELLOW LIMITED	FIRST MOUNT ISA JORC CODE RESOURCES.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 14 JANUARY 2010. DEEP YELLOW LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	12886	100.00%	MOUNT ISA MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SYBELLA DOMAIN	Alpha Centauri Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	STRATABOUND URANIUM-COPPER

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

Radiometric prospecting indicated a 221m2 area of possible economic significance. Several small U deposits occur within the area of ML 6075: the average grade is 0.062% U3O8.

Channel rock chip sampling by Deep Yellow Ltd returned 3m at 995ppm U3O8, 1m at 1191ppm U3O8 and 2m at 1046ppm U3O8.

RC drilling results announced in October 2008 included 15m at 346ppm U3O8 from 37m, 6m at 596ppm U3O8 from 41m, 9m at 436ppm U3O8 from 77m, 2m at 464ppm U3O8 from 52m and 25m at 409ppm U3O8 from 65m.

Twenty-five RC holes and three core holes were completed in the first half of 2009. Significant intercepts included 17m at 433ppm U3O8 from 201m, 25 at 375ppm U3O8 from 170m, 10m at 477ppm U3O8 from 202m, and 17m at 605ppm eU3O8 from 59m.

Mineralisation is hosted by an albite-hematite-magnetite altered amphibolite. The mineralised zone appears to dip west at ~60 degrees.

Web Page

www.deepyellow.com.au

Queensland Minerals

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38295 **BAMFORD HILL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 3.7KM N OF PETFORD.

1:100 000 sheet Number and Name: 7863 CHILLAGOE

Grid Reference: Zone 55 279614 mE 8085069 mN Latitude -17.3090 Longitude 144.9265 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TUNGSTEN	SMALL	5 - 500 tonnes W
MOLYBDENUM	SMALL	50 - 5 000 tonnes MO
BISMUTH	VERY SMALL	<50 tonnes BI

Production Details

Period: 1-Jan-1893 to 31-Dec-1981

WOLFRAMITE	2,000.0 tonnes
MOLYBDENITE	170.0 tonnes
BISMUTHINITE	20.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14028	100.00%	TROPICAL METALS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Bamford Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)	
DETAILED OREBODY MODEL	GREISEN	ENDO-GREISEN

Mineralisation Age

ORE	CARBONIFEROUS	Re-Os dating was undertaken on a molybdenite sample collected by P. Blevin from Bamford Hill Mine. Duplicate analyses from the same sample yielded 308.3 ¿ 0.2 Ma and 307.7 ¿ 2.6 Ma. The weighted averaged age from these combined results is: 308.3 ¿ 0.2 Ma

Comments

Sheeted veins and pipes associated with greisen zone on contact of the Bamford Granite. Queensland Ores Ltd (now Planet Metals Ltd) is earning up to 85% in this prospect, looking for tungsten-molybdenum and tin mineralisation.

Web Page

www.planetmetals.com.au

Queensland Minerals

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40931 **BAN BAN ZINC LODE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 40.3KM ESE OF GAYNDAH

1:100 000 sheet Number and Name: 9246 GAYNDAH

Grid Reference: Zone 56 397160 mE 7149022 mN Latitude -25.7732 Longitude 151.9744 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Ban Ban
Great Ban Ban
Greater Ban Ban
Ban Ban Zinc
Ban Ban Springs Zinc Prospect

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
LEAD	VERY SMALL	<1000 tonnes PB
SILVER	VERY SMALL	<5 tonnes AG
COPPER	VERY SMALL	<500 tonnes CU
BISMUTH	VERY SMALL	<50 tonnes BI

Production Details

Published Reserves/Resources

Company Report 45916 Published in 2007

INDICATED MINERAL RESOURCE 900,000 tonnes Ore @ 7.00 % ZINC **FOR** 63,000 Tonnes ZINC

Comments/Cut Off Factor: Estimate only. No cutoff grade reported.

Company Report 45916 Published in 2007

INFERRED MINERAL RESOURCE 600,000 tonnes Ore @ 7.70 % ZINC **FOR** 46,200 Tonnes ZINC

Comments/Cut Off Factor: Estimate only. Cut-off grade not reported

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1909	to	1911	CJ Barnes costeaned the lode in several places to depths of 0.3 to 1.5m. Three shafts were sunk and an open cut was excavated in the side of the hill. The leases were abandoned due to a lack of capital.
1915	to	1918	Prospecting area applied for and numerous costeans dug. Two shafts sunk to depths of 1.5m and 7m and a 10mx1.8mx3m deep cut was dug. Three core holes drilled in 1918 to depths of up to 51.8m; results were disappointing. Core was not assayed
1919	to	1921	The leases were abandoned in 1919 but were taken up again by J Thomson in 1920. No work was done and the prospect was abandoned in 1921.
1924	to	1926	GC Wright (Ban Ban Zinc Deposits Ltd) held a lease and sank a shaft to 8.5m. The lease was forfeited in 1926.
1947	to	1952	Applications received by Mines Department in 1947. The Unique Mining Syndicate held MLs 26, 34 and 35 in 1951. Following investigations by the Electrolytic Zinc Company of Australia Ltd, the leases were abandoned in 1952.

Mining Operations	Comments
SHAFTS	Main shaft on north bank of Middle Creek. Timbered, vertical, with water at 1.5m.
TRENCHES	
PITS	
OPEN CUT MINING	Small

Tenure Type/Number		SHARE	Company Name/Surname
EPM	18717	100.00%	ACTIVEX LIMITED
MDL	409	100.00%	DGR GLOBAL LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GYMPIE PROVINCE	Gympie Group / EARLY PERMIAN to LATE PERMIAN

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Deposit Model

GENERAL OREBODY MODEL	SKARN
DETAILED OREBODY MODEL	BASE METAL SKARN

Mineralisation Age

ORE	LATE TRIASSIC

Comments

This deposit has attracted the interest of CRA, East West Minerals, Union Resources, Cyprus MInes, Carrington Holdings and is currently held by D'Aguilar Gold Ltd.

The lode comprises iron-rich sphalerite (marmatite) and argentiferous galena. Secondary native silver is present at the surface. The lode was 5m wide at the surface and is a typical hydrothermal skarn. The outcrop is gossanous.

Stages of skarn formation: prograde skarn, sulphide stage, retrograde chlorite stage. Base metal mineralisation occurs in at least four en-echelon lenses. Each lens is itself characterised by mineralogical and textural layering parallel to the wallrock.

Pb-Zn mineralisation is concentrated in the upper hanging wall, copper in the footwall, and pyrite forms the core and lowest portion of each lens.

Stanton (1987) regarded the Ban Ban Zinc lode to be a metamorphosed stratiform submarine deposit. Ashley and Plimer (1988), based on field relationships, interpreted the deposit as a skarn abutting a leucocratic granitoid.

Features of the deposit include: 1) lack of hydrothermal alteration in adjacent rocks; 2) replacement contacts between skarn and marble; 3) sulphide composition and mineralogy show metal zoning away from the contact; 4) highly saline fluid inclusions.

Features also include: 5) prograde skarn assemblage overprinted by retrograde textures; 6) gossan mineralogy is unlike that of submarine exhalatives.

Web Page

www.daguilar.com.au

Queensland Minerals

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479125 **BANNER OF FREEDOM**

ABANDONED MINE

Descriptive Location: 6.1 KM NW OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 627171 mE 7991164 mN Latitude -18.1647 Longitude 142.2023 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1889 to 31-Dec-1939 17,907 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 760.6 kilograms 42.47 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
SHAFTS	
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 8795	100.00%	CRATER GOLD MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

This southern section of the Golden Gate reef was originally known as the Banner of Freedom reef. Oreshoots were small and widely separated and were not payable below a vertical depth of 73m.

The production figures include production from the Banner of Freedom Nos 2 South to 16 South and 10 West, Golden Gate Nos 9 South to 13 South, Murrays Banner Block, Williams Block, Ryans Block, Bergins, McGregors, and McGregors No. 1 North.

Web Page

www.goldaura.com.au

Queensland Minerals

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512462 **BARBARA - NORTH LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 51KM NE OF MOUNT ISA, 43.8KM SOUTH OF GERETA HOMESTEAD.

1:100 000 sheet Number and Name: 6857 PROSPECTOR

Grid Reference: Zone 54 379910 mE 7741963 mN Latitude -20.4168 Longitude 139.8490 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Barbara
Green Monster

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
COBALT	SMALL	10 - 1 000 tonnes CO
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Period: 1-Jul-1970 to 30-Jun-1971 270 tonnes HARD ROCK ORE (OR REEF)

COPPER OTHER 29.9 tonnes 11.00 percent

Published Reserves/Resources

BR 9717 Published in 2011 **BARBARA NORTH LODE**

INDICATED MINERAL RESOURCE 801,000 tonnes Ore @

1.40 % COPPER **FOR** 11,214 Tonnes COPPER
2.70 g/t SILVER **FOR** 2,162 Kilograms SILVER
0.02 % COBALT **FOR** 197 Tonnes COBALT
0.10 g/t GOLD **FOR** 80 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cutoff

BR 9717 Published in 2011 **BARBARA NORTH LODE**

INFERRED MINERAL RESOURCE 1,191,000 tonnes Ore @

1.00 % COPPER **FOR** 11,910 Tonnes COPPER
1.90 g/t SILVER **FOR** 2,262 Kilograms SILVER
0.03 % COBALT **FOR** 315 Tonnes COBALT
0.10 g/t GOLD **FOR** 119 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9717	2011	SYNDICATED METALS LIMITED	SYNDICATED LOOKS AT EARLY MINE DEVELOPMENT WITH KALMAN FOCUS - DRILLING SET TO COMMENCE	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE, 24-JUNE-2011, SYNDICATED METALS LIMITED.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1957	to	1957	MIM (no reports)
1965	to	1967	Nippon Mining Australia; applied for mining leases
1970	to	1970	Placer Prospecting (Aust) Pty Ltd
1988	to	1990	Australian Ores and Minerals (AOM)
1991	to	1993	Bruce Resources NL (exploration only)
1993	to	1995	Cyprus Gold Corporation
1995	to	2000	Murchison United
2000	to	2007	Matrix Metals Ltd
2007			Syndicated Metals Ltd
		1965	Messrs Lilly and May mined sporadically

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Mining Operations	Comments
SHAFTS	Steel leader in main shaft workings, shaft open to water.
PITS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	16112	100.00%	SYNDICATED METALS LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Leichhardt Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE

Comments

Drill intersections announced in October 2009 for the Barbara North Lode included 9m at 5.25% Cu and 0.45g/t Au from 31m, 13m at 1.59% Cu and 0.1g/t Au from 53m, and 5m at 1.17% Cu from 43m.
Results support potential for an open pit sulphide resource at Barbara North Lode, in addition to the existing JORC resource at Barbara South Lode.
The location given for this deposit is a deep shaft at the main workings (North Lode). The South Lode being explored by Mt Isa Metals Ltd and Syndicated Metals Ltd is to the south-east of the old workings, at about 380200mE, 7741550mN (GDA94).
Percussion drilling at the South Lode returned significant intersections, including 13m at 3.4% Cu from 19m (BR 6652). Drill intercepts announced in 2008 included 24m at 3.08% Cu and 0.25g/t Au (including 15m at 4.55% Cu and 0.36g/t Au).
Drill intersections announced in October 2008 included 20m at 4.97% Cu and 0.28g/t Au from 105m, 16.3m at 2.27% Cu and 0.17g/t Au from 11.7m, 31.47m at 2.56% Cu and 0.12g/t Au from 166.53m and 13.81m at 1.67% Cu and 0.22g/t Au from 207.19m.
Four RC holes drilled at the North Lode intersected high-grade near-surface copper sulphide mineralisation, including 8m at 3.7% Cu and 0.27g/t Au from 32m and 5m at 2.2% Cu from 43m.
Soil sampling confirmed that the Barbara structure is open to the north-west and also identified new areas with >500ppm Cu.
Mineralisation occurs in a zone of shearing and alteration that is 30-40m wide at the surface. Mineralisation at the South Lode comprises stringer, massive and semi-massive sulphides (mainly pyrrhotite) with local >1% Cu intervals.
Magnetite content is increasing at depth and to the south.
Drill intersections at the Barbara North Lode announced in November 2009 included 7m at 3.97% Cu and 0.26g/t Au from 98m, 8m at 3.25% Cu and 0.32g/t Au from 10m and 6m at 4.0% Cu and -.29g/t Au from 95m.
Drill intersections at the Barbara North Lode announced June 2010 included 9m at 1.74% Cu and 0.28 g/t Au (BARC058) and 5m at 2.73% Cu and 0.16 g/t Au (BARC061). (BR9475)
Mt Isa Metals reported drill intersections at the Barbara North Lode in August 2010 including 14m at 0.99% Cu and 0.07 g/t Au (BARC065) and 1m 0.77% Cu and 1.53 g/t Au (BARC063)

Web Page

www.syndicatedmetals.com.au; www.mtisametals.com.au

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587974 **BARBARA - SOUTH LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 51KM NE OF MOUNT ISA, 43.8KM SOUTH OF GERETA HOMESTEAD.

1:100 000 sheet Number and Name: 6857 PROSPECTOR

Grid Reference: Zone 54 380200 mE 7741550 mN Latitude -20.4206 Longitude 139.8517 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Barbara

Mount Remarkable Project

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU
COBALT	SMALL	10 - 1 000 tonnes CO
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Published Reserves/Resources

BR 9717 Published in 2011

BARBARA SOUTH LODE

INDICATED MINERAL RESOURCE 2,977,000 tonnes Ore @

1.60 % COPPER	**FOR**	47,632 Tonnes COPPER
2.70 g/t SILVER	**FOR**	8,037 Kilograms SILVER
0.03 % COBALT	**FOR**	803 Tonnes COBALT
0.20 g/t GOLD	**FOR**	595 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cutoff

BR 9717 Published in 2011

BARBARA SOUTH LODE

INFERRED MINERAL RESOURCE 362,000 tonnes Ore @

1.30 % COPPER	**FOR**	4,706 Tonnes COPPER
2.40 g/t SILVER	**FOR**	868 Kilograms SILVER
0.03 % COBALT	**FOR**	107 Tonnes COBALT
0.10 g/t GOLD	**FOR**	36 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9717	2011	SYNDICATED METALS LIMITED	SYNDICATED LOOKS AT EARLY MINE DEVELOPMENT WITH KALMAN FOCUS - DRILLING SET TO COMMENCE	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE, 24-JUNE-2011, SYNDICATED METALS LIMITED.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1957	to	1957	MIM (no reports)
1965	to	1967	Nippon Mining Australia; applied for mining leases
1970	to	1970	Placer Prospecting (Aust) Pty Ltd
1988	to	1990	Australian Ores and Minerals (AOM)
1991	to	1993	Bruce Resources NL (exploration only)
1993	to	1995	Cyprus Gold Corporation
1995	to	2000	Murchison United
2000	to	2007	Matrix Metals Ltd
2007			Syndicated Metals Ltd; drilling 70 RC and 14 DDH, JORG estimations & metallurgy
		1965	Messrs Lilly and May mined sporadically

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KALKADOON-LEICHHARDT SUBPROVINCE	Leichhardt Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

Mineralisation Age

ORE

Comments

The South Lode being explored by Mt Isa Metals Ltd and Syndicated Metals Ltd is to the south-east of the old main workings (North Lode).

Percussion drilling at the South Lode returned significant intersections, including 13m at 3.4% Cu from 19m (BR 6652). Drill intercepts announced in 2008 included 24m at 3.08% Cu and 0.25g/t Au (including 15m at 4.55% Cu and 0.36g/t Au).

Interpretation of the results of a ground-based fixed loop transient EM survey in the second quarter of 2009 indicated that the mineralisation in the southern shoot is highly conductive.

Drill intersections from the South Lode included 5.37m at 1% Cu and 0.8g/t Au, 4.25m at 2.68% Cu and 11m at 1.47% Cu and 0.11g/t Au. Drilling indicated that the altered and mineralised zone is increasing in width at depth and to the south to >30m.

Drill intersections at the Barbara South Lode announced May 2010 included 11.1m at 3.84% Cu and 0.36g/t Au (BADD007) and 15.9m at 2.11% Cu and 0.30g/t Au (BADD008). RC drilling yielded 7m at 2.08% Cu and 0.77g/t Au (BARC049) and 8m at 2.13% Cu and 0.15g/t Au (BARC050), extending the Barbara South lode ore zone (2010, BR9519)

Mineralisation occurs in a zone of shearing and alteration that is 30-40m wide at the surface. Mineralisation at the South Lode comprises stringer, massive and semi-massive sulphides (mainly pyrrhotite) with local >1% Cu intervals.

Magnetite content is increasing at depth and to the south.

2009 results support existing JORC resource at Barbara South Lode and enhance additional potential for an open pit sulphide resource at Barbara North Lode.

Drill intersections at the Barbara South Lode announced June 2010 included 10m at 3.60%Cu and 0.28 g/t Au (BARC052), 15.9m at 2.11% Cu and 0.30 g/t Au (BADD008) and 12.2m at 1.43% Cu and 0.13 g/t Au (BADD009). (BR9475)

Web Page

www.syndicatedmetals.com.au

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494214 **BARITE BLOW**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 53 KM NORTH-WEST OF MOUNT OXIDE, 165KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6759 MOUNT OXIDE

Grid Reference: Zone 54 291856 mE 7881655 mN Latitude -19.1476 Longitude 139.0209 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BARITE	SMALL	50 - 50 000 tonnes BAR
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Published Reserves/Resources

Company Report 3865 Published in 1971

INFERRED MINERAL RESOURCE 101,600 tonnes Ore @ 20.00 % BARITE **FOR** 20,320 Tonnes BARITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CENTURY DOMAIN	Lady Loretta Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	VEIN BARITE

Mineralisation Age

ORE	PALAEOPROTEROZOIC to MESOPROTEROZOIC

Comments

Web Page

www.xstrata.com

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42426 **BATTLE CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 7.5KM NE OF MT GARNET, 95KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 307414 mE 8046869 mN Latitude -17.6566 Longitude 145.1845 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Donna
New Donna
Hastings
Upper Battle Creek
Lower Battle Creek

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
FLUORITE	VERY SMALL	<50 tonnes FL

Production Details

Published Reserves/Resources

BR 6053 Published in 1999 **LOWER BATTLE CREEK**

INDICATED MINERAL RESOURCE 8,071,000 cubic metres Ore @ 210.00 g/m*3 CASSITERITE **FOR** 1,695 Tonnes CASSITERITE

Bank cubic metre.

BR 6053 Published in 1999 **UPPER BATTLE CREEK**

INDICATED MINERAL RESOURCE 683,000 cubic metres Ore @ 822.00 g/m*3 CASSITERITE **FOR** 561 Tonnes CASSITERITE

Ore amount is in Bank cubic metres and the grade is in grams per bank cubic metre.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14185	100.00%	CONSOLIDATED TIN MINES LIMITED
ML	20583	100.00%	CONSOLIDATED TIN MINES LIMITED
ML	20585	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	Pinnacles Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	TIN SKARN
GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

The Upper Battle Creek tin resource covers an area of 311 hectares and the moderately deep eluvial/weathering deposit has been the target of evaluation since its discovery. Some 140 holes have been drilled in the area since 1938.
Hard rock mineralisation is confined to a down-faulted block, with granite to the north and east and Chillagoe Formation sediments to the west and south.

Web Page

www.consolidatedtinmines.com.au

Queensland Minerals

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588127 **BAUXITE HILLS 1**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 91KM NNE OF WEIPA, 12KM ESE OF SKARDON RIVER DELTA

1:100 000 sheet Number and Name: 7374 SKARDON RIVER

Grid Reference: Zone 54 619495 mE 8695498 mN Latitude -11.7984 Longitude 142.0968 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

Bh 1

Dulhunty

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

BR 10403 Published in 2014 **BAUXITE HILLS 1 (BH1) LMB**

INFERRED MINERAL RESOURCE 9,900,000 tonnes Ore @ 6,900,000 Tonnes BAUXITE

Comments/Cut Off Factor: 9.0% SiO2 and 50.7% Al2O3

BR 10403 Published in 2014 **BAUXITE HILLS 1 (BH1) MBT**

INFERRED MINERAL RESOURCE 19,500,000 tonnes Ore @ 13,500,000 Tonnes BAUXITE

Comments/Cut Off Factor: 7.8% SiO2 and 52.0% Al2O3

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10403	2014	CAPE ALUMINA PTY LTD	2014 ANNUAL REPORT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 24 OCTOBER 2014. CAPE ALUMINA PTY LTD, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15376	100.00%	CAPE ALUMINA PTY LTD
ML	20676	1.00%	CAPE ALUMINA PTY LTD
ML	20676	99.00%	ALDOGA MINERALS PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

Mineralisation Age

BAUXITE

Comments

Web Page

http://www.capealumina.com.au/

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588128 **BAUXITE HILLS 2**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 73KM NNE OF WEIPA, 3KM NE OF MUSGRAVE BAY (DUCIE RIVER)

1:100 000 sheet Number and Name: 7274 MAPOON

Grid Reference: Zone 54 607039 mE 8678080 mN Latitude -11.9563 Longitude 141.9831 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

Bh 2

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

BR 10403 Published in 2014

BAUXITE HILLS 2 (BH2) MBT

INFERRED MINERAL RESOURCE 8,700,000 tonnes Ore @
5,800,000 Tonnes BAUXITE

Comments/Cut Off Factor: 10.0% SiO2 and 52.9% Al2O3

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10403	2014	CAPE ALUMINA PTY LTD	2014 ANNUAL REPORT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 24 OCTOBER 2014. CAPE ALUMINA PTY LTD, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15376	100.00%	CAPE ALUMINA PTY LTD
ML	20687	1.00%	CAPE ALUMINA PTY LTD
ML	20687	99.00%	ALDOGA MINERALS PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

Mineralisation Age

BAUXITE

Comments

Web Page

http://www.capealumina.com.au/

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588130 **BAUXITE HILLS 4**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 91KM NE OF WEIPA, 24KM N OF DALHUNTY RIVER, 33KM ESE OF SKARDON RIVER DELTA

1:100 000 sheet Number and Name: 7374 SKARDON RIVER

Grid Reference: Zone 54 640187 mE 8687055 mN Latitude -11.8740 Longitude 142.2871 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

Bh 4

Dulhunty

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

BR 10403 Published in 2014

BAUXITE HILLS 4 (BH4) MBT

INFERRED MINERAL RESOURCE 2,000,000 tonnes Ore @
1,100,000 Tonnes BAUXITE

Comments/Cut Off Factor: 11.3% SiO2 and 49.0% Al2O3

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10403	2014	CAPE ALUMINA PTY LTD	2014 ANNUAL REPORT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 24 OCTOBER 2014. CAPE ALUMINA PTY LTD, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
EPM 15374	100.00%	CAPE ALUMINA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*

Deposit Model

Mineralisation Age

Comments

Web Page

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588131 **BAUXITE HILLS 5**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 85KM NE OF WEIPA, S OF DALHUNTY RIVER, 36KM E OF MUSGRAVE BAY

1:100 000 sheet Number and Name: 7374 SKARDON RIVER

Grid Reference: Zone 54 637055 mE 8679089 mN Latitude -11.9461 Longitude 142.2587 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

Bh 5

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

BR 10403 Published in 2014

BAUXITE HILLS 5 (BH5) MBT

INFERRED MINERAL RESOURCE 1,800,000 tonnes Ore @
900,000 Tonnes BAUXITE

Comments/Cut Off Factor: 10.7% SiO_2 and 50.0% Al_2O_3

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10403	2014	CAPE ALUMINA PTY LTD	2014 ANNUAL REPORT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 24 OCTOBER 2014. CAPE ALUMINA PTY LTD, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15376	100.00%	CAPE ALUMINA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

Mineralisation Age

BAUXITE

Comments

Web Page

http://www.capealumina.com.au/

Queensland Minerals

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39126 **BAUXITE HILLS 6**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 91KM NNE OF WEIPA, 8.5KM SE OF SKARDON RIVER DELTA

1:100 000 sheet Number and Name: 7374 SKARDON RIVER

Grid Reference: Zone 54 612720 mE 8692466 mN Latitude -11.8261 Longitude 142.0348 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

Bh 6

Dulhunty

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

BR 10402 Published in 2015

BAUXITE HILLS 6 (BH6)

INFERRED MINERAL RESOURCE 22,100,000 tonnes Ore @
15,100,000 Tonnes BAUXITE

Comments/Cut Off Factor: 12.2% SiO2 and 51.2% Al2O3

DSO or 'Direct shipping ore' is defined as bauxite that can be exported directly with minimal processing and beneficiation; resouce commodity value is beneficiated ore amount

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10402	2015	METRO MINING LIMITED	METRO MINING ASX RELEASE 13 JANUARY 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 13 JANUARY 2015. METRO MINING LIMITED

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	16899	100.00%	CAPE ALUMINA PTY LTD
ML	20688	1.00%	CAPE ALUMINA PTY LTD
ML	20688	99.00%	ALDOGA MINERALS PTY LIMITED
ML	20689	1.00%	CAPE ALUMINA PTY LTD
ML	20689	99.00%	ALDOGA MINERALS PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

BAUXITE

Comments

Metro mining updated the BH6 resource in August 2014 as a direct shipping ore (DSO) suited for export without much processing or benefication on site. Project approvals are sought for mid 2016.

Web Page

http://www.capealumina.com.au/

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491765 **BAYFIELD**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 20KM NORTH OF YEPPOON, 115KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 9052 BAYFIELD

Grid Reference: Zone 56 270290 mE 7474676 mN Latitude -22.8198 Longitude 150.7619 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Byfield

Stockyard Point

Commodities	Size	Size Definition
ILMENITE	LARGE	>10 000 000 tonnes IM
RUTILE	LARGE	>500 000 tonnes RUT
ZIRCON	LARGE	>1 000 000 tonnes ZIR

Production Details

Published Reserves/Resources

BR 7689 Published in 2004

HEAVY MINERAL

INDICATED MINERAL RESOURCE 2,400,000,000 tonnes Ore @

0.80 % ILMENITE **FOR** 21,000,000 Tonnes ILMENITE

0.80 % RUTILE **FOR** 3,700,000 Tonnes RUTILE

0.80 % ZIRCON **FOR** 3,700,000 Tonnes ZIRCON

Comments/Cut Off Factor: Cutoff grade of 0.8% Heavy Minerals

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7689	2004	STRATEGIC MINERALS CORPORATION NL	2004 ANNUAL REPORT	STRATEGIC MINERALS CORPORATION

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	SHORELINE (STRANDLINE) PLACER HEAVY MINERALS
DETAILED OREBODY MODEL	DUNE DEPOSIT HEAVY MINERALS

Mineralisation Age

ORE CENOZOIC

Comments

The heavy mineral content is generally <3% and is high in ilmenite, and low in rutile content. The chrome content of the ilmenite fraction is relatively low; a significant proportion of the Cr is present in sphene and chromite grains.

The sand masses vary from low areas with ridge and swale structures to large areas of high (<200m) wind-blown dunes.

The Qld Government announced in 1997 that it intended to extend the Bayfield National Park to encompass the whole Byfield sand mass and not approve the mining of mineral sands in the Bayfield area. Successive state governments have supported this policy.

Web Page

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532180 **BEACON PROSPECT**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 33.3KM WEST OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 415440 mE 7710993 mN Latitude -20.6986 Longitude 140.1880 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
FLUORITE	MEDIUM	50 000 - 5 000 000 tonnes FL
COPPER	SMALL	500 - 50 000 tonnes CU
URANIUM	VERY SMALL	<100 tonnes U

Production Details

Published Reserves/Resources

Company Report 11330 Published in 1982

INFERRED MINERAL RESOURCE 3,000,000 tonnes Ore @ 0.20 % COPPER **FOR** 6,000 Tonnes COPPER

to 200m depth

Company Report 11330 Published in 1982

INFERRED MINERAL RESOURCE 1,300,000 tonnes Ore @ 40.00 % FLUORITE **FOR** 520,000 Tonnes FLUORITE

to 200m depth

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	prospecting pits

Tenure Type/Number		SHARE	Company Name/Surname
EPM	12561	51.00%	MOUNT ISA MINES LIMITED
EPM	12561	49.00%	SOVEREIGN METALS LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TOMMY CREEK DOMAIN	Milo beds / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SKARN
DETAILED OREBODY MODEL	COPPER SKARN

Mineralisation Age

ORE PALAEOPROTEROZOIC

Comments

Web Page

http://www.xstrata.com

Queensland Minerals

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494021 **BEDFORD NORTH PROSPECT**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 22.7KM NNW OF QUAMBY

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 415015 mE 7767675 mN Latitude -20.1864 Longitude 140.1866 Date Recorded: 8/February/2016

Other Names for Deposit / Mine

Associated

Bedford

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
MOLYBDENUM	VERY SMALL	<50 tonnes MO

Production Details

Period: 1-Jan-1938 to 31-Dec-1974 383 tonnes KNOWN HISTORIC PRODUCTION

COPPER METAL 22.5 tonnes 5.90 percent

Published Reserves/Resources

BR 10439 Published in 2015 **BEDFORD**

INDICATED MINERAL RESOURCE 1,300,000 tonnes Ore @

1.04 % COPPER **FOR** 13,520 Tonnes COPPER

0.21 g/t GOLD **FOR** 273 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cut off grade

BR 10439 Published in 2015 **BEDFORD**

INFERRED MINERAL RESOURCE 400,000 tonnes Ore @

0.83 % COPPER **FOR** 3,320 Tonnes COPPER

0.16 g/t GOLD **FOR** 64 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cut off grade

BR 9895 Published in 2012 **OXIDE**

INFERRED MINERAL RESOURCE 240,000 tonnes Ore @

1.12 % COPPER **FOR** 2,688 Tonnes COPPER

0.21 g/t GOLD **FOR** 50 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10439	2015	ALTONA MINING LIMITED	ANNUAL REPORT 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, JULY 2015. ALTONA MINING LIMITED, PERTH.
BR 9895	2012	ALTONA MINING LIMITED	FURTHER RESOURCE UPGRADES AT ROSEBY PROJECT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 23 APRIL 2012. ALTONA MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	
PITS	
TRENCHES	Collapsed stopes

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8506	100.00%	ROSEBY COPPER PTY LTD
ML	90164	50.00%	ROSEBY COPPER PTY LTD
ML	90164	50.00%	ALTONA MINING LIMITED

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Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Boomarra Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Resources for Bedford North and South have been combined on this datasheet.

Chalcopyrite mineralisation occurs within biotite schist. This deposit forms part of Altona Mining Limited's Roseby Copper Project.

In December 2006, Universal Resources announced that drilling had delineated at least five, steeply west-dipping oreshoots over a 50m wide zone. Intersections included 23m at 2.2% Cu and 0.32g/t Au.

Drilling intersections announced in March 2007 included 25m at 1.75% Cu and 0.28g/t Au from 46m (including 11m at 3.06% Cu and 0.38g/t Au from 48m), 20m at 1.6% Cu and 0.44g/t Au from 17m, and 6m at 4.96% Cu and 2.1g/t Au from 31m.

Drill intersections for the September 2009 quarter included 12m at 2.21% Cu and 0.5g/t Au from 40m, 6m at 3.75% Cu and 0.84g/t Au from 18m, 6m at 2.64% Cu and 2.26g/t Au from 52m and 8m at 1.02% Cu and 0.32g/t Au from 40m.

Web Page

www.altonamining.com

Queensland Minerals

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512999 **BEDFORD SOUTH PROSPECT**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 21.3KM NNW OF QUAMBY.

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 414945 mE 7766200 mN Latitude -20.1997 Longitude 140.1859 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Tango
Ivy
Mary

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8506	100.00%	ROSEBY COPPER PTY LTD
ML	90164	50.00%	ROSEBY COPPER PTY LTD
ML	90164	50.00%	ALTONA MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Boomarra Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Resources have been combined with Bedford North (Bedford deposit).

One of the deposits held by Altona Mining Limited as part of its Roseby Copper Project. There are at least three, separate, west-dipping oreshoots.

Web Page

www.altonamining.com

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36049 **BELFAST HILL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 18.4KM NE OF DIMBULAH, 55KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 311414 mE 8116520 mN Latitude -17.0277 Longitude 145.2283 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Disraeli

Commodities	Size	Size Definition
GOLD	VERY SMALL	<0.5 tonnes AU
ANTIMONY	SMALL	50 - 5 000 tonnes SB
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Published Reserves/Resources

BR 8041 Published in 2005 **BELFAST HILL**

INDICATED MINERAL RESOURCE 64,000 tonnes Ore @

0.23 % ANTIMONY **FOR** 147 Tonnes ANTIMONY

1.10 g/t GOLD **FOR** 70 Kilograms GOLD

BR 8041 Published in 2005 **BELFAST HILL**

INFERRED MINERAL RESOURCE 52,000 tonnes Ore @

0.23 % ANTIMONY **FOR** 119 Tonnes ANTIMONY

1.10 g/t GOLD **FOR** 57 Kilograms GOLD

BR 8041 Published in 2005 **BELFAST HILL**

MEASURED MINERAL RESOURCE 153,000 tonnes Ore @

0.50 % ANTIMONY **FOR** 765 Tonnes ANTIMONY

1.40 g/t GOLD **FOR** 214 Kilograms GOLD

In 2011 Republic did not report itemised resource figures -> not updated

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8041	2005	REPUBLIC GOLD LIMITED	ASX ANNOUNCEMENT - 31 OCTOBER 2005 - NORTHCOTE PROJECT: SIGNIFICANT GOLD RESOURCE UPGRADE FROM 212,000 OUNCES TO 260,000 OUNCES.	REPUBLIC GOLD LIMITED, MELBOURNE

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9869	100.00%	TERRITORY MINERALS LTD
ML	20526	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SIMPLE SB (QUARTZ-STIBNITE TYPE)

Mineralisation Age

ORE	DEVONIAN

Comments

Ore zones are apparently localised in a series of en-echelon, plunging, pinch and swell structures within shear zones. The shear zones frequently crosscut bedding and the ore zones may represent dilational wrench fault sites.

The prospect consists of a suite of quartz stockwork fissure infillings along a north-west trending structure, over a length of more than 5km.

Part of Republic Gold Ltd's Northcote Project.

In 2010&2011 Republic Gold reported upgraded combined resources for "total Northcote" which included this deposit: Measured resource 1500000t at 2.2g/t Au, indicated resource 2296000t at 1.6g/t Au and inferred resource 1210666t at 1.6g/t Au (BR9939).

Web Page

www.republicgold.com.au

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504576 **BELL CREEK NORTH LEASE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 1.5KM SSE OF GUNNAWARRA HOMESTEAD, 120 KM SOUTH OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 305250 mE 8013600 mN Latitude -17.9570 Longitude 145.1611 Date Recorded: 17/February/2017

Other Names for Deposit / Mine

Gunnawarra

Commodities	Size	Size Definition
NICKEL	MEDIUM	25 000 - 500 000 tonnes NI
COBALT	SMALL	10 - 1 000 tonnes CO

Production Details

Published Reserves/Resources

BR 10566 Published in 2016

BELL CREEK NORTH

INDICATED MINERAL RESOURCE 2,000,000 tonnes Ore @

0.86 % NICKEL **FOR** 17,200 Tonnes NICKEL

0.03 % COBALT **FOR** 690 Tonnes COBALT

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)

Iron and Magnesium are no longer reported in recent estimates.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10566	2016	METALLICA MINERALS LIMITED	ANNUAL REPORT 2016	MINING 2012; TAKING STOCK, P24; 28 OCTOBER 2016. METALLICA MINERALS LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GREENVALE PROVINCE	Sandalwood Serpentinite / NEOPROTEROZOIC to EARLY CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC NICKEL

Mineralisation Age

ORE	CENOZOIC	Nickeliferous laterite formed from deep weathering of serpentinite.

Comments

This deposit forms part of the Nornico Project of Metallica Minerals Ltd. Nickeliferous laterite formed from deep weathering of serpentinite forms ridge cappings in the area. Granite underlies the deposit.

After re-tabulation of resources this deposit was grouped in the SCONI project - northern deposits, which was not part if the 2012 scoping study by Metallica Minerals Limited

Web Page

www.metallicaminerals.com.au

Queensland Minerals

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497006 **BELL CREEK NORTH WEST**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 32KM S OF MOUNT GARNET, 120KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 303300 mE 8015715 mN Latitude -17.9377 Longitude 145.1429 Date Recorded: 17/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
NICKEL	SMALL	250 - 25 000 tonnes NI
COBALT	MEDIUM	1 000 - 20 000 tonnes CO

Production Details

Published Reserves/Resources

BR 10566 Published in 2016

BELL CREEK NORTH WEST

INDICATED MINERAL RESOURCE 2,500,000 tonnes Ore @

0.81 % NICKEL **FOR** 20,250 Tonnes NICKEL

0.05 % COBALT **FOR** 1,250 Tonnes COBALT

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)

Iron and Magnesium are no longer reported in recent estimates.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10566	2016	METALLICA MINERALS LIMITED	ANNUAL REPORT 2016	MINING 2012; TAKING STOCK, P24; 28 OCTOBER 2016. METALLICA MINERALS LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	20549	100.00%	NORNICO PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GREENVALE PROVINCE	Sandalwood Serpentinite / NEOPROTEROZOIC to EARLY CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC NICKEL

Mineralisation Age

ORE	CENOZOIC

Comments

This prospect forms part of the Nornico Project of Metallica Minerals NL. Drilling results in the area have shown lateritic nickel-cobalt mineralisation with similarities to Greenvale.

After re-tabulation of resources this deposit was grouped in the SCONI project - northern deposits, which was not part if the 2012 scoping study by Metallica Minerals Limited

Web Page

www.metallicaminerals.com.au

Queensland Minerals

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42480 **BELL CREEK SOUTH LEASE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 31KM SOUTH OF MOUNT GARNET, 3KM SSE OF GUNNAWARRA HOMESTEAD, 120KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 304750 mE 8011600 mN Latitude -17.9750 Longitude 145.1562 Date Recorded: 17/February/2017

Other Names for Deposit / Mine

Gunnawarra 1
The Pod
The Neck

Commodities	Size	Size Definition
NICKEL	MEDIUM	25 000 - 500 000 tonnes NI
COBALT	MEDIUM	1 000 - 20 000 tonnes CO
SCANDIUM		
CHRYSOPRASE	VERY SMALL	<1 tonne CHRY

Production Details

Published Reserves/Resources

BR 10566 Published in 2016 **BELL CREEK SOUTH**

INDICATED MINERAL RESOURCE 100,000 tonnes Ore @

0.81 % NICKEL **FOR** 810 Tonnes NICKEL

0.05 % COBALT **FOR** 50 Tonnes COBALT

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)

Iron and Magnesium are no longer reported in recent estimates.

BR 10566 Published in 2016 **BELL CREEK SOUTH**

MEASURED MINERAL RESOURCE 7,800,000 tonnes Ore @

0.96 % NICKEL **FOR** 74,880 Tonnes NICKEL

0.07 % COBALT **FOR** 6,195 Tonnes COBALT

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)

Iron and Magnesium are no longer reported in recent estimates.

BR 10566 Published in 2016 **THE NECK**

INDICATED MINERAL RESOURCE 400,000 tonnes Ore @

0.84 % NICKEL **FOR** 7,056 Tonnes NICKEL

0.03 % COBALT **FOR** 120 Tonnes COBALT

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)

Iron and Magnesium are no longer reported in recent estimates.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10566	2016	METALLICA MINERALS LIMITED	ANNUAL REPORT 2016	MINING 2012; TAKING STOCK, P24; 28 OCTOBER 2016. METALLICA MINERALS LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GREENVALE PROVINCE	Sandalwood Serpentinite / NEOPROTEROZOIC to EARLY CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL RESIDUAL DEPOSIT

DETAILED OREBODY MODEL LATERITIC NICKEL

Mineralisation Age

ORE CENOZOIC

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Comments

This prospect forms part of the Nornico Project of Metallica Minerals NL. Drilling results show lateritic nickel-cobalt mineralisation with similaritities to Greenvale.

In October 2006, Metallica announced RC drilling results that included high-grade intersections of 14m at 1.45% Ni and 0.04% Co from 0m, 22m at 1.94% Ni and 0.21% Co from 0m, 22m at 2.07% Ni and 0.09% Co from 0m and 13m at 1.54% Ni and 0.23% Co from 3m.

The Bell Creek South deposit also includes the nearby deposits called The Neck and The Pod.

After re-tabulation of resources this deposit was grouped in the SCONI project - northern deposits, which was not part if the 2012 scoping study by Metallica Minerals Limited

Web Page

www.metallicaminerals.com.au

Queensland Minerals

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42300 **BELLE VUE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: OLLERA CREEK MINERAL FIELD

1:100 000 sheet Number and Name: 8159 ROLLINGSTONE

Grid Reference: Zone 55 425855 mE 7898430 mN Latitude -19.0053 Longitude 146.2955 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Chief
Bouffon
Bellevue

Commodities	Size	Size Definition
TUNGSTEN	SMALL	5 - 500 tonnes W
MOLYBDENUM	VERY SMALL	<50 tonnes MO
BISMUTH	VERY SMALL	<50 tonnes BI

Production Details

WOLFRAMITE	100.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1903	to	1950	Most significant lode mine in area and worked regularly between 1903 and 1930 opening up several pipes.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Rollingstone Granite / CARBONIFEROUS to CARBONIFEROUS
KENNEDY IGNEOUS ASSOCIATION	Paluma Rhyolite / CARBONIFEROUS to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)

Mineralisation Age

ORE	CARBONIFEROUS to EARLY PERMIAN

Comments

Web Page

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493629 **BELYANDO**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: NORTH OF CLERMONT, 250KM SW OF MACKAY.

1:100 000 sheet Number and Name: 8353 FRANKFIELD

Grid Reference: Zone 55 530438 mE 7535280 mN Latitude -22.2878 Longitude 147.2955 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Hill 266

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1990 to 31-Dec-1995

GOLD BULLION 2,283.1 kilograms

Published Reserves/Resources

BR 8122 Published in 2005

HEAP LEACH DUMPS

INFERRED MINERAL RESOURCE 1,800,000 tonnes Ore @ 0.32 g/t GOLD **FOR** 576 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8122	2005	ASHBURTON MINERALS LTD	QUARTERLY REPORT FOR THE PERIOD ENDED 31 MARCH 2005.	REPORT TO THE AUSTRALIAN STOCK EXCHANGE. ASHBURTON MINERALS LTD, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1989	to	1993	Open cut mining by Ross Mining NL. Heap leaching commenced in 1990. Open cut mining ceased in July 1993.
1994	to	1996	Residual leaching continued until November 1995. Mine decommissioned and rehabilitated in 1996.

Operating Mine Life: 2006 to 2009 Mine reopened with heap leaching operation by Wirralie Mines. Production planned to commence in May 2006. Expected 18-36 month mine life as at June 2006.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ANAKIE OROGEN	Anakie Metamorphic Group / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE	DEVONIAN	Age from Morrison & Beams, 1995.

Comments

Mining was carried out by Ross Mining NL on a resource of 2.5Mt at 1.5g/t Au. Drilling indicated that the heap leach pads contain 1.8Mt at 0.32g/t Au. The lease is held by Wirralie Mines Pty Ltd.

In early 2007, Zamia Gold Mines Ltd, under an option to purchase agreement, drilled 3 reverse circulation holes. Intersections included 10m at 1.15g/t Au, 2m at 1.3g/t Au, 1m at 2g/t Au and 7m at 1.7g/t Au.

There is a marked relationship between gold mineralisation, siliceous alteration and/or sulphide concentrations.

The carbon-in column leach gold treatment plant, mine camp and other equipment at Belyando were auctioned in November 2007.

Web Page

www.zamiagold.com.au

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482109 **BEN LOMOND**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 6.9 KM NORTH-EAST OF ARGENTINE, 50KM WEST OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8159 ROLLINGSTONE

Grid Reference: Zone 55 427515 mE 7855770 mN Latitude -19.3909 Longitude 146.3097 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U
MOLYBDENUM	SMALL	50 - 5 000 tonnes MO

Production Details

Published Reserves/Resources

BR 8792 Published in 2005 **BEN LOMOND**

INDICATED MINERAL RESOURCE 1,328,466 tonnes Ore @ 0.23 % URANIUM OXIDE **FOR** 3,101 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: Prepared by Australian Atomic Energy Commission in 1982.

Resource calculated from 435 drill holes at 25m intervals. According to a feasibility study completed in 1982, mining of 1.93Mt ore could recover 4,760 t of uranium oxide (ore grading 0.246% uranium oxide), study by Australian Atomic Energy Commission.

BR 8792 Published in 2005 **BEN LOMOND**

INFERRED MINERAL RESOURCE 602,585 tonnes Ore @ 0.18 % URANIUM OXIDE **FOR** 1,094 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: Prepared by Australian Atomic Energy Commission in 1982. Requoted in company presentation March 2012

Resource from study by Australian Atomic Energy Commission (1982).

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8792	2005	VIGAR, A. & JONES, D.G.	BEN LOMOND URANIUM-MOLYBDENUM DEPOSIT, QUEENSLAND, AUSTRALIA.	UNPUBLISHED REPORT PREPARED BY MINING ASSOCIATES PTY LTD FOR MAPLE MINERALS CORPORATION (WWW.MEGAURANIUM.COM/USERFILES/FILE/BEN%20LOMOND%2043-101.PDF).

Major Mining Related Events

Year Commenced	Year Completed	Comments
1975		Ben Lomond discovered by Total Mining Australia Pty Ltd.
2005		Deposit acquired by Maple Minerals Corp in February 2005, which was renamed to Mega Uranium (Oct) in late 2005.

Mining Operations	Comments
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1399	100.00%	URANIUM MINERAL VENTURES INC
ML	1419	100.00%	URANIUM MINERAL VENTURES INC

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BURDEKIN BASIN	Saint James Volcanics / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	URANIUM VEINS	
DETAILED OREBODY MODEL	UNCONFORMITY U-AU (VEIN-TYPE U)	

Mineralisation Age

ORE CARBONIFEROUS

Comments

The deposit is a vein type in rhyolitic tuff of the Carboniferous Saint James Volcanics. Uranium-molybdenum mineralisation is in a complex system of steeply dipping veins and fractures associated with a wide shear zone.

Mineralised veins are closely associated with silicic and hematitic alteration. The system is mineralised over more than 500m length, to 150m width and 100m depth.

Web Page
http://www.megauranium.com/

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496108 **BEN LOMOND HILL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 26.4KM SE OF BOWEN

1:100 000 sheet Number and Name: 8557 BOWEN

Grid Reference: Zone 55 651412 mE 7771485 mN Latitude -20.1479 Longitude 148.4487 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST

Production Details

Published Reserves/Resources

Company Report 27810 Published in 1996

INFERRED MINERAL RESOURCE

285,000 Tonnes LIMESTONE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1915	to	1917	Held by the Ben Lomond Limestone Syndicate. In 1917, there was 101.6t of limestone at grass.

Mining Operations	Comments
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMPWYN SUBPROVINCE	Edgecumbe beds / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	EARLY CARBONIFEROUS

Comments

Limestone crops out on the lower slopes of the northern side of Ben Lomond Hill. The average lime content has been estimated as 49.3%.

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490144 **BERNBOROUGH**

ABANDONED MINE

Descriptive Location: 2.4 KM S OF MOUNT ISA.

1:100 000 sheet Number and Name: 6756 MOUNT ISA

Grid Reference: Zone 54 341851 mE 7704795 mN Latitude -20.7498 Longitude 139.4809 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LEAD	SMALL	1000 - 100 000 tonnes PB
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 31-Dec-1951

LEAD	OTHER	1,750.0 tonnes
SILVER		1,205.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	8058	100.00%	MOUNT ISA MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Urquhart Shale / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (SEDEX ZN-PB, SHALE-HOSTED ZN-PB)

Mineralisation Age

ORE PROTEROZOIC

Comments

The mine area has been fenced off and the mullock used to cover the old workings.

Web Page

www.xstrata.com

Queensland Minerals

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494023 **BIG BERYL**

ABANDONED MINE

Descriptive Location: 9.2KM SW OF MOUNT ISA.

1:100 000 sheet Number and Name: 6756 MOUNT ISA

Grid Reference: Zone 54 336270 mE 7701025 mN Latitude -20.7833 Longitude 139.4270 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BERYL	MEDIUM	10 -1 000 tonnes BER

Production Details

BERYL	73.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	Collapsed shafts.

Tenure Type/Number		SHARE	Company Name/Surname
ML	8058	100.00%	MOUNT ISA MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SYBELLA DOMAIN	Sybella Granite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PEGMATITE

Mineralisation Age

ORE	PROTEROZOIC

Comments

Web Page

www.xstrata.com

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494218 **BIG ONE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 2.8 KM SOUTH-SOUTH-EAST OF ALHAMBRA, 160KM NORTH OF MT ISA.

1:100 000 sheet Number and Name: 6759 MOUNT OXIDE

Grid Reference: Zone 54 335464 mE 7880382 mN Latitude -19.1631 Longitude 139.4353 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

BR 5185 Published in 1996

INDICATED MINERAL RESOURCE 79,347 tonnes Ore @ 2.20 % COPPER **FOR** 1,746 Tonnes COPPER

Defined by RC drilling in 1993.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5185	1996	RESOURCE INFORMATION UNIT	Register of Australian Mining 1996/97	Resource Information Unit, Perth.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Historical shafts and pits have been destroyed by opencut mining.
PITS	
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5481	100.00%	COFFEE GOLD PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT OXIDE DOMAIN	Lochness Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Web Page

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479984 **BIG REEF**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 5.3 KM SSE OF FORSAYTH.

1:100 000 sheet Number and Name: 7660 FORSAYTH

Grid Reference: Zone 54 776021 mE 7937766 mN Latitude -18.6329 Longitude 143.6161 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period: 1-Jan-1878 to 31-Dec-1940 25,420 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	836.1 kilograms
GOLD	FINE	20.3 kilograms
SILVER		21.6 kilograms
LEAD	MATTE	1.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	
TRENCHES	
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	3278	100.00%	JKO MINING PTY LIMITED
ML	3279	100.00%	JKO MINING PTY LIMITED
ML	3280	100.00%	JKO MINING PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Goldsmiths Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	BASE METAL (POLYMETALLIC)

Mineralisation Age

ORE SILURIAN to DEVONIAN

Comments

Mineralisation occurs within quartz veins up to 1.5m in width within a well-defined shear zone up to 6m wide. The veins have a central quartz-rich core with numerous sheared wallrock fragments surrounded by a zone of stringer mineralisation.
Intermet Resources Ltd signed an option agreement over the leases in May 2008. Rock chip sampling by Intermet returned several bonanza grade assay results of up to 241.6g/t Au and 151.8g/t Au.
Union Mining NL open cut the lode in 1996-1997. Production figures are not available.

Web Page

Queensland Minerals

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507489 **BIG RIVER**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 35KM SSE OF MT ISA, 41KM NE OF OBAN HOMESTEAD

1:100 000 sheet Number and Name: 6755 OBAN

Grid Reference: Zone 54 332520 mE 7673665 mN Latitude -21.0301 Longitude 139.3884 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BERYL	MEDIUM	10 -1 000 tonnes BER

Production Details

Published Reserves/Resources

Company Report 1226 Published in 1964

INFERRED MINERAL RESOURCE 114,000 tonnes Ore @ 0.15 % BERYL **FOR** 171 Tonnes BERYL

114000t of beryl at 0.15% BeO. Assumes beryl persists to 15m depth - considered too low grade to work by bulk mining methods.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
TRENCHES	Costeans

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SYBELLA DOMAIN	Sybella Granite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PEGMATITE

Mineralisation Age

ORE	PROTEROZOIC

Comments

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478754 **BIG RUSH**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 53 KM SOUTH-SOUTH-WEST OF GREENVALE

1:100 000 sheet Number and Name: 7859 BURGES

Grid Reference: Zone 55 264490 mE 7851820 mN Latitude -19.4140 Longitude 144.7572 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Big Rush Group

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jul-1995	to	30-Jun-1996		607,000 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	395.0 kilograms
Period:	1-Jul-1996	to	30-Jun-1997		380,000 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	574.8 kilograms
Period:	1-Jun-1997	to	31-Dec-1997		
GOLD				BULLION	39.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1988	to	1988	Deposit discovered by Shell Company of Australia.
1995	to	1997	Werrie Gold Ltd started mining in 1995 after several years development. Mining ceased in 1997.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	10168	100.00%	ALPHADALE PTY LTD
ML	10175	100.00%	ALPHADALE PTY LTD
ML	10192	100.00%	ALPHADALE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GRAVEYARD CREEK SUBPROVINCE	Mytton Formation / MIDDLE DEVONIAN to MIDDLE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)	GOLD ONLY

Mineralisation Age

ORE	DEVONIAN to CARBONIFEROUS	An age of 343 to 334Ma for metamorphism and matrix mica growth may be interpreted to represent mineralisation associated with peak metamorphic conditions during deformation.

Comments

Gold mineralisation is associated with dilational and fault-related quartz veins. The deposit consists of two, parallel, north-east-trending, steeply dipping auriferous quartz-carbonate vein complexes cropping out as several prominant ridges.
Close to the vein system, mild silicification and sericitisation have been developed in the host rock.
Big Rush was open cut mined by Werrie Gold Ltd in 1995 to 1997. Treatment was by heap leaching and carbon-in-leach. All assets were sold in March 1998.

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502841 **BIKINI**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 30KM S OF CALTON HILLS HOMESTEAD

1:100 000 sheet Number and Name: 6757 KENNEDY GAP

Grid Reference: Zone 54 337450 mE 7741565 mN Latitude -20.4173 Longitude 139.4421 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U
VANADIUM OXIDE	SMALL	5 - 500 tonnes V
COPPER	VERY SMALL	<500 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 9918 Published in 2012 **BIKINI**

INDICATED MINERAL RESOURCE 5,800,000 tonnes Ore @ 0.05 % URANIUM OXIDE **FOR** 2,882 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 0.025% U3O8 cutoff.

BR 9918 Published in 2012 **BIKINI**

INFERRED MINERAL RESOURCE 6,700,000 tonnes Ore @ 0.05 % URANIUM OXIDE **FOR** 3,303 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 0.025% U3O8 cutoff.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9918	2012	SUMMIT RESOURCES LIMITED	QUARTERLY REPORT FOR PERIOD ENDING - 30 JUNE 2012	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 27 JULY 2012. SUMMIT RESOURCES LIMITED, SUBIACO.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17514	100.00%	SUMMIT RESOURCES (AUST) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Cromwell Metabasalt Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE PROTEROZOIC

Comments

Drilling by Summit Resources Ltd has intersected multiple zones of uranium-vanadium mineralisation along a 400m strike length.
Mineralisation occurs in hematite-K-feldspar altered sediments and tuff breccias.
Grades of up to 0.2% U3O8 and 0.15% V2O5 have been intersected over 1m intervals. One hole intersected 97m at 0.02% U3O8 and 0.07% V2O5, including 5m at 0.07% U3O8 and 0.07% V2O5 and 3m at 0.11% U3O8 and 0.07% V2O5.
One hole in the hanging wall shear intersected 1m of quartz sulphide breccia grading 3.59% Cu and 0.16ppm Au.
The resource estmate announced in July 2008 included the Bikini and Pile deposits.

Web Page

www.summitresources.com.au

Queensland Minerals

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41597 **BIMURRA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 34KM NORTH OF MOUNT COOLON TOWN; 18.5 KM NE OF WIRRALIE HOMESTEAD.

1:100 000 sheet Number and Name: 8355 MOUNT COOLON

Grid Reference: Zone 55 538514 mE 7669170 mN Latitude -21.0780 Longitude 147.3708 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Bimurra Prospect

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Published Reserves/Resources

BR 9643 Published in 2006

BIMURRA

INFERRED MINERAL RESOURCE 1,600,000 tonnes Ore @ 1.40 g/t GOLD **FOR** 2,240 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9643	2006	GEMMELL, J.B. & AMIRA P588 RESEARCH TEAM	EXPLORATION IMPLICATIONS OF HYDROTHERMAL ALTERATION ASSOCIATED WITH EPITHERMAL AU-AG DEPOSITS.	ASEG EXTENDED ABSTRACTS, 2006 (1), 1-5.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DRUMMOND BASIN	Bimurra Volcanics / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

Web Page

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510221 **BINJOUR**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 21 KM NE OF MUNDUBBERA

1:100 000 sheet Number and Name: 9146 MUNDUBBERA

Grid Reference: Zone 56 348525 mE 7177269 mN Latitude -25.5140 Longitude 151.4927 Date Recorded: 3/February/2017

Other Names for Deposit / Mine

Binjour Plateau
Sb 367
Binjour Plateau Bauxite

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX
KAOLIN / KAOLINITE	VERY SMALL	<2 000 tonnes KAO

Production Details

Published Reserves/Resources

BR 10408 Published in 2014 **BINJOUR**

INDICATED MINERAL RESOURCE 15,500,000 tonnes Ore @
15,500,000 Tonnes BAUXITE

Comments/Cut Off Factor: minimum 30% available Al2O3, 2m thickness
average Al2O3 39.5% Reactive SiO2 2.6%

BR 10408 Published in 2014 **BINJOUR**

INFERRED MINERAL RESOURCE 9,000,000 tonnes Ore @
9,000,000 Tonnes BAUXITE

Comments/Cut Off Factor: minimum 30% available Al2O3, 2m thickness
average Al2O3 38.0% Reactive SiO2 3.8%

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10408	2014	AUSTRALIAN BAUXITE LIMITED	ANNUAL REPORT 2013	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 27 MARCH 2014. AUSTRALIAN BAUXITE LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	18014	100.00%	ABX3 PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DURICRUST	Td-QLD / TERTIARY to TERTIARY

Deposit Model

GENERAL OREBODY MODEL RESIDUAL DEPOSIT

DETAILED OREBODY MODEL LATERITIC BAUXITE

Mineralisation Age

ORE

Comments

2011: Results from 88 drill holes: Bauxite lies beneath clay horizon; exceptionally high grade, thick gibbsite bauxite (ideal as "sweetener" to any refinery, which would command large price premiums)
2011: Additional 13 drill hole high grade results received; not added to resource figures. Other results included subgrade material due to the presence of a white gelatinous-clay substance in the bauxite: Tests are underway to remove the substance with
2011 (cont): simple washing methods: If feasible these results will be included in future resource figures (BR9726).

Web Page

www.australianbauxite.com.au

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481073 **BLACK ADDER FLATS**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 43.0 KM WEST-NORTH-WEST OF INGHAM, 125KM SSW OF CAIRNS.

1:100 000 sheet Number and Name: 8060 KANGAROO HILLS

Grid Reference: Zone 55 369915 mE 7949970 mN Latitude -18.5368 Longitude 145.7675 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Published Reserves/Resources

Company Report 1745 Published in 1965 **BLACK ADDER FLATS**

INFERRED MINERAL RESOURCE 6,100,000 cubic metres Ore @ 0.04 kg/m*3 CASSITERITE **FOR** 238 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Alluvial cassiterite occurs within alluvium of Garrawalt Creek to a maximum depth of 12.8m.
The source of the cassiterite is thought to be the contact zone between Carboniferous granite and rhyolite where greisenised fractures have been observed to contain lode cassiterite, wolframite and molybdenite.

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36573 **BLACK BESS**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 17.6KM NNE OF DIMBULAH, 55KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 308014 mE 8118120 mN Latitude -17.0130 Longitude 145.1965 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Springs

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
ANTIMONY	SMALL	50 - 5 000 tonnes SB

Production Details

Period: 1-Jan-1926 to 31-Dec-1944 190 tonnes HARD ROCK ORE (OR REEF)

ANTIMONY 8.4 tonnes

GOLD BULLION 0.8 kilograms

Period: 1-Jan-1992 to 31-Dec-1992 32,263 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 126.6 kilograms

Published Reserves/Resources

BR 8041 Published in 2005 **BLACK BESS**

INDICATED MINERAL RESOURCE 312,000 tonnes Ore @

0.40 % ANTIMONY **FOR** 1,248 Tonnes ANTIMONY

2.40 g/t GOLD **FOR** 748 Kilograms GOLD

BR 8041 Published in 2005 **BLACK BESS**

INFERRED MINERAL RESOURCE 201,000 tonnes Ore @

0.73 % ANTIMONY **FOR** 1,467 Tonnes ANTIMONY

2.20 g/t GOLD **FOR** 442 Kilograms GOLD

In 2011 Republic did not report itemised resources -> not updated

BR 8041 Published in 2005 **BLACK BESS**

MEASURED MINERAL RESOURCE 274,000 tonnes Ore @

0.32 % ANTIMONY **FOR** 876 Tonnes ANTIMONY

2.50 g/t GOLD **FOR** 685 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8041	2005	REPUBLIC GOLD LIMITED	ASX ANNOUNCEMENT - 31 OCTOBER 2005 - NORTHCOTE PROJECT: SIGNIFICANT GOLD RESOURCE UPGRADE FROM 212,000 OUNCES TO 260,000 OUNCES.	REPUBLIC GOLD LIMITED, MELBOURNE

Major Mining Related Events

Year Commenced		Year Completed	Comments
1940	to	1944	Antimony mining
1991	to	1992	Opencut mining by Nittoc.

Mining Operations	Comments
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9869	100.00%	TERRITORY MINERALS LTD
ML	20525	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

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Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	SIMPLE SB (QUARTZ-STIBNITE TYPE)	

Mineralisation Age

ORE	DEVONIAN

Comments

The Black Bess Lode lies to the south of the Ethel structure striking at 340 degrees. It occupies a steep westerly dipping reverse fault that truncates a thick series of north-west-trending sandstone units to the west. Lode is poorly exposed at surface.

Lode passes beneath transported soil cover to north. It is a strongly sheared fault breccia consisting of greywacke and arenite clasts in a sheared carbonaceous siltstone matrix. The fault has an average width of 5 to 8 metres.

Sericite-pyrite-arsenopyrite alteration is intense in the matrix and at clast margins. Some later quartz-stibnite veins are also present. Gold mineralisation is mainly hosted within a pelite unit. Highest grade mineralisation is at the northern end.

Well defined quartz vein containing both gold and antimony mineralisation. High gold grades are associated with high antimony grades.

Part of Republic Gold Ltd's Northcote Project.

In 2010&2011 Republic Gold reported upgraded combined resources for "total Northcote" which included this deposit: Measured resource 1500000t at 2.2g/t Au, indicated resource 2296000t at 1.6g/t Au and inferred resource 1210666t at 1.6g/t Au (BR9939).

Web Page

www.republicgold.com.au

Queensland Minerals

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481074 **BLACK COW**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 35 KM WEST OF MICHAEL CREEK, 135KM SOUTH OF CAIRNS.

1:100 000 sheet Number and Name: 8060 KANGAROO HILLS

Grid Reference: Zone 55 348315 mE 7921470 mN Latitude -18.7929 Longitude 145.5607 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

Company Report 7804 Published in 1980

INFERRED MINERAL RESOURCE 175,000 cubic metres Ore @ 0.76 kg/m*3 CASSITERITE **FOR** 133 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
EPM	14766	100.00%	CURTAIN	Michael

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	DEEP LEAD PLACER SN

Mineralisation Age

ORE	CENOZOIC

Comments

Deep lead tin and minor gold is irregularly distributed in drainage channel beneath Cainozoic basalt cover.

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493630 **BLACK CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 12KM WEST OF MOUNT GARNET, 105KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7862 BULLOCK CREEK

Grid Reference: Zone 55 287574 mE 8045885 mN Latitude -17.6637 Longitude 144.9975 Date Recorded: 23/February/2016

Other Names for Deposit / Mine

Black Creek Wollastonite Prospect

Koogangoona

Commodities	Size	Size Definition
WOLLASTONITE	MEDIUM	100 000 - 1 000 000 tonnes WOL
IRON	VERY SMALL	<5 000 tonnes FE

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments
1963		Discovered by Keith Yates whilst working with BMR doing regional geological mapping.

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	20425	49.00%	YATES	Keith Robert
ML	20425	51.00%	CALCIFER INDUSTRIAL MINERALS PTY LTD	

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	IRON SKARN

Mineralisation Age

ORE	CARBONIFEROUS	Hornfelsed calcareous conglomerate with well rounded clasts of carbonate replaced by wollastonite. Calcareous matrix of conglomerate has formed a fine grained calc-silicate assemblage.

Comments

This mineralisation is developed in a roof pendant of the Sandy Tate Granite where it intrudes the Chillagoe Formation, forming a broad zone of calc-silicate alteration that has been traced south-easterly for 350m along strike.

There are two or more 20m wide zones of skarn containing around 40-50% long fibre wollastonite. The original rock is considered to be a volcanoclastic sediment that includes clasts of silicified limestone in a lime-rich mud.

Large rosettes of coarse-grained wollastonite in a quartz-plagioclase-clinopyroxene-k-feldspar groundmass, with minor scapolite, laumontite, calcite, grossular garnet, prehnite, vesuvianite and sphene.

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481704 **BLACK JACK**

ABANDONED MINE

Descriptive Location: 0.5 KM N OF RAVENSWOOD.

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 488465 mE 7777862 mN Latitude -20.0962 Longitude 146.8897 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1871	to	31-Dec-1872		915	tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	360.9	kilograms
Period:	1-Jan-1890	to	31-Dec-1916		6,287	tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	166.2	kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1871	to	1872	
1902	to	1916	

Mining Operations	Comments
INCLINED SHAFTS / DRIVES	Underlie shaft
SHAFTS	
DECLINED SHAFTS/DRIVES	Drives.

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Jessop Creek Granite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY INTRUSION-RELATED QUARTZ VEINS & STOCKWORKS

Mineralisation Age

ORE	CARBONIFEROUS

Comments

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38678 **BLACK JACK LODE**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 8.9KM SSW OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 418143 mE 7772146 mN Latitude -20.1461 Longitude 146.2168 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Black Jack P.C.
Newtown Butler
North Black Jack
Black Jack West
Black Jack Extended
Captain
Black Jack And Newtown Butler Extended
No. 2 Newtown Butler
Black Jack North
North Butler Block
Double K
S1
Charters Tower Project
Butler

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Period: 1-Jan-1951 to 31-Dec-1959 3,073 tonnes HARD ROCK ORE (OR REEF)

GOLD FINE 49.4 kilograms

Period: 1-Jan-1987 to 31-Dec-1991

GOLD FINE 323.3 kilograms

SILVER 122.3 kilograms

Published Reserves/Resources

BR 6991 Published in 2000

BLACK JACK OPEN PIT

INFERRED MINERAL RESOURCE 2,079 tonnes Ore @ 15.00 g/t GOLD **FOR** 31 Kilograms GOLD

Comments/Cut Off Factor: 6.5 g/t Au cutoff.

BR 10151 Published in 2012

BLACK JACK

INFERRED MINERAL RESOURCE 972,000 tonnes Ore @ 13.50 g/t GOLD **FOR** 13,122 Kilograms GOLD

9.00 g/t SILVER **FOR** 8,748 Kilograms SILVER

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.
BR 6991	2000	CHARTERS TOWERS GOLD MINES NL	CHARTERS TOWERS GOLD MINES NL ANNUAL REPORT 2000	CHARTERS TOWERS GOLD MINES NL

Major Mining Related Events

Year Commenced		Year Completed	Comments
1875	to	1885	First discovered in 1975 by Messrs John Thomas, C. Riley and J. Byrne.The Black Jack lode was mainly worked on the northern end by the Newtown Butler/Butler workings and by two underlie shafts in the main Black Jack area.
1886	to	1889	The Black Jack P.C. mine was worked in the lower levels and created a boom in the area.
1911	to	1913	The Black Jack mines were reopened by the Peter and Jack Syndicate, with a government subsidy given to sink another underlie shaft.
1951	to	1959	Minor work undertaken on Black Jack Lode.

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Mining Operations **Comments**

UNDERGROUND MINING METHODS

SHAFTS

INCLINED SHAFTS / DRIVES

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15964	100.00%	CITIGOLD CORPORATION LIMITED
ML	1408	100.00%	CITIGOLD CORPORATION LIMITED
ML	1428	100.00%	CITIGOLD CORPORATION LIMITED
ML	1429	100.00%	CITIGOLD CORPORATION LIMITED
ML	1432	100.00%	CITIGOLD CORPORATION LIMITED
ML	1433	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	LATE SILURIAN to EARLY DEVONIAN

Comments

This resource forms part of the Charters Towers Project of Citigold Corporation Limited.

Web Page

http://www.citigold.com.au/

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493588 **BLACK LODE**

ABANDONED MINE

Descriptive Location: ON NORTHERN SLOPES OF NORTH POINTER, 10 KM EAST OF MERIMAL, PRINCHESTER, 130KM NNW OF GLADSTONE

1:100 000 sheet Number and Name: 8952 PRINCHESTER

Grid Reference: Zone 56 222255 mE 7460345 mN Latitude -22.9419 Longitude 150.2917 Date Recorded: 16/December/2015

Other Names for Deposit / Mine

North Pointer

Commodities	Size	Size Definition
CHROMITE	SMALL	100 - 10 000 tonnes CHR

Production Details

Period: 1-Jan-1916 to		
CHROMITE	160.0 tonnes	
Period: 1-Jan-1917 to		
CHROMITE	750.0 tonnes	
Period: 1-Jan-1918 to		
CHROMITE	350.0 tonnes	

Published Reserves/Resources

BR 5661 Published in 1985 **BLACK LODE**

MEASURED MINERAL RESOURCE 8,500 tonnes Ore @
8,500 Tonnes CHROMITE

Comments/Cut Off Factor: Chromite
Ore present as scree in the vicinity of the old workings.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5661	1985	PRATT, R.	AUSTRALIA'S CHROMITE RESOURCES.	AUSTRALIAN MINERAL INDUSTRY QUARTERLY, 36 (4) 1983, 117-132.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARLBOROUGH PROVINCE	Princhester Serpentinite / NEOPROTEROZOIC to EARLY PALAEOZOIC

Deposit Model

GENERAL OREBODY MODEL	MAFIC VOLCANIC RELATED DEPOSIT
DETAILED OREBODY MODEL	PODIFORM CHROMITE (ALPINE TYPE)
GENERAL OREBODY MODEL	ALLUVIAL PLACER

Mineralisation Age

ORE	PALAEOZOIC

Comments

Chromite pods containing massive and granular chromite occur within strongly sheared serpentinite. Tooker Brothers, who worked this deposit prior to 1940 stated that the lode was dominantly above ground beinig not less than 30ft high.
In 1943 Ridgeway reported the lode within the main open cut to be mined out. The open cut was 35ft by 35ft by 20ft depth. The lode was bounded by three converging slickensided faces, one of which showed considerable movement.

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486544 **BLACKARD**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 22.5KM NW OF QUAMBY

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 412521 mE 7765726 mN Latitude -20.2039 Longitude 140.1627 Date Recorded: 8/March/2016

Other Names for Deposit / Mine

Blackard Creek
Great Northern Anomaly
Roseby Copper Project

Commodities	Size	Size Definition
COPPER	LARGE	250 000 - 2 000 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 9898 Published in 2012 **BLACKARD**
MEASURED MINERAL RESOURCE 19,960,000 tonnes Ore @
0.68 % COPPER **FOR** 135,728 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cut off.
2015 resources are combined figures of the 2012 detailed info, so here data not updated.

BR 9898 Published in 2012 **NATIVE COPPER**
INDICATED MINERAL RESOURCE 4,670,000 tonnes Ore @
0.57 % COPPER **FOR** 26,619 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff.

BR 9898 Published in 2012 **NATIVE COPPER**
INFERRED MINERAL RESOURCE 6,070,000 tonnes Ore @
0.58 % COPPER **FOR** 12,122 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff

BR 9898 Published in 2012 **SULPHIDE**
INDICATED MINERAL RESOURCE 1,570,000 tonnes Ore @
0.65 % COPPER **FOR** 10,205 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff.

BR 9898 Published in 2012 **SULPHIDE**
INFERRED MINERAL RESOURCE 35,260,000 tonnes Ore @
0.59 % COPPER **FOR** 208,034 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff.

BR 9898 Published in 2012 **SULPHIDE**
MEASURED MINERAL RESOURCE 5,590,000 tonnes Ore @
0.68 % COPPER **FOR** 38,012 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff.

BR 9898 Published in 2012 **TRANSITIONAL**
INDICATED MINERAL RESOURCE 390,000 tonnes Ore @
0.63 % COPPER **FOR** 2,457 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff.

BR 9898 Published in 2012 **TRANSITIONAL**
INFERRED MINERAL RESOURCE 1,410,000 tonnes Ore @
0.69 % COPPER **FOR** 9,729 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff.

BR 9898 Published in 2012 **TRANSITIONAL**
MEASURED MINERAL RESOURCE 1,440,000 tonnes Ore @
0.66 % COPPER **FOR** 9,504 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff.

Resource figures listed above are JORC compliant.

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Published Reference ID	Year	Author	Title	Source
BR 9898	2012	ALTONA MINING LIMITED	15% RESOURCE UPGRADE AT ROSEBY PROJECT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 3 JUNE 2012. ALTONA MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8506	100.00%	ROSEBY COPPER PTY LTD
ML	90164	50.00%	ROSEBY COPPER PTY LTD
ML	90164	50.00%	ALTONA MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Mount Roseby Schist / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED CU (INCLUDES CU-SHALE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

This is the largest of the deposits making up Altona Mining Limited's Roseby Copper Project. It comprises a near surface layer of supergene oxide copper ore, a thick layer of supergene native copper ore and underlying primary sulphide ore.
The stratabound oxide ore contains native copper, copper in clays and micas, chalcocite and cuprite. The deposit is the result of weathering of quartz-biotite-scapolite calc silcate containing sulphides (mainly bornite and chalcopyrite).
Universal Resources Ltd (now Altona Mining Limited) completed a feasibility study in 2006. Copper production is planned to commence in late 2008. Blackard will supply mainly oxide ore. Mining will be by open cut.
The results of the definitive feasibility study were announced in March 2008. The net present value was assessed as $282 million, with a life of mine operating cashflow of $970 million and internal rate of return of 32%.
Xstrata Copper completed a three hole 1664m deep coring program beneath Blackard in the September 2009 quarter. An 800m deep hole was commencd to test the west-dipping sulphide mineralisation at depth where it intersects a magnetic zone.
Deep drilling beneath Blackard by Xstrata in 2008 intersected 12m at 1.11% Cu and 0.81g/t Ag from 276m, 45m at 1,09% Cu and 6.84g/t Ag from 325m, 11m at 1.57% Cu and 8.44g/t Ag from 343m and 1m at 1.19% Cu and 7.7g/t Ag from 278m.
Coarse, nuggetty, platy native copper (<2cm in size) was intersected in BCR875 between 77 and 78m depth. Mineralisation remains open to the north (towards the Legend deposit) and also at depth.
Drilling announced in January 2011 gave intersections of 23m @ 1.1% Cu from 176m (BCR876), 70m @ 0.9% Cu from 3m (BCR 879) and 93m @ 0.8% Cu (including 40m @ 1.3% Cu) from 54m (BCR880).

Web Page

www.altonamining.com

Queensland Minerals

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481544 **BLACKWELL 1**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 49 KM SOUTH-WEST OF FORSAYTH, 320KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7560 NORTH HEAD

Grid Reference: Zone 54 736992 mE 7912335 mN Latitude -18.8674 Longitude 143.2495 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BUILDING STONE	SMALL	100 000 - 2 000 000 tonnes BLST
SLATE	SMALL	10 000 - 100 000 tonnes ST

Production Details

Published Reserves/Resources

BLACKWELL 1

INFERRED MINERAL RESOURCE 496,000 cubic metres Ore @
248,000 Cubic Metres SLATE

Total estimated resource for MLs 3309 (Blackwell 1) and 3310 (Blackwell 2). 10% loss of slate from the resource during mining is reported. Resource from Mining Lease file.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	3309	100.00%	MFG PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Corbett Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

Mineralisation Age

ORE PALAEOPROTEROZOIC

Comments

I.K. Pike was granted ML 3309 "Blackwell 1" to mine slate in September 1978. The lease was transfered to J.W. Greivson in November 1985. The deposit has been worked intermittently.

The slate is a hard, fine-grained, attractively stained, grey and grey-green mica schist. The prominently developed slaty cleavage strikes 070 degress and dips 25 to 35 degrees NW.

Testing has shown the rock to have excellent resistance to chemical weathering and it is suited for the production of cut tiles, random paving and table tops.

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38252 **BLOCK 4-5**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 70.6KM SE OF AURUKUN MISSION, 475KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7370 MERAPAH

Grid Reference: Zone 54 629121 mE 8473165 mN Latitude -13.8082 Longitude 142.1946 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

Company Report 4244 Published in 1972

INFERRED MINERAL RESOURCE 4,300,000 tonnes Ore @
4,300,000 Tonnes BAUXITE

Comments/Cut Off Factor: Grading 52% total alumina and 10.4% reactive silica

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14633	100.00%	GULF ALUMINA LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

Of a total potential resource of 28.8Mt of pisolitic aluminous ore, 4.3 Mt is of economic potential (52% total alumina and 10.4% reactive silica). Gulf Alumina Pty Ltd currently has EPM 14633 which covers this deposit.

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38253 **BLOCK 52-72**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 92.4KM SE OF AURUKUN MISSION, 455KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7370 MERAPAH

Grid Reference: Zone 54 651121 mE 8465165 mN Latitude -13.8794 Longitude 142.3985 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

Company Report 4244 Published in 1972

INFERRED MINERAL RESOURCE 3,500,000 tonnes Ore @
3,500,000 Tonnes BAUXITE

Comments/Cut Off Factor: Grading 52% total alumina and 10.4% reactive silica.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14633	100.00%	GULF ALUMINA LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

Of a total resource of 33.9Mt of pisolitic aluminous ore, 3.5Mt has economic potential (52% total alumina and 10.4% reactive silica).
Gulf Alumina Pty Ltd currently holds EPM 14633, which covers this deposit.

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38254 **BLOCK 70-90**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 89.8KM SE OF AURUKUN MISSION, 455KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7370 MERAPAH

Grid Reference: Zone 54 644121 mE 8461165 mN Latitude -13.9159 Longitude 142.3340 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

Company Report 4244 Published in 1972

PROBABLE ORE RESERVE 8,800,000 tonnes Ore @
8,800,000 Tonnes BAUXITE

Comments/Cut Off Factor: Grading 52% total alumina and 10.4% reactive silica

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14633	100.00%	GULF ALUMINA LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

Of a total resource of 66.2Mt of pisolitic aluminous ore, 8.8Mt has economic potential (52% total alumina and 10.4% reactive silica).
Gulf Alumina Pty Ltd currently holds EPM 14633 over this deposit.

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501462 **BLOCK CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 25 KM NE OF MARLBOROUGH, 160KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8952 PRINCHESTER

Grid Reference: Zone 56 203281 mE 7486967 mN Latitude -22.6984 Longitude 150.1119 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Herbert Creek

Herbert Creek Oil Shale

Commodities	Size	Size Definition
OIL SHALE	MEDIUM	10 000 000 - 1 billion barrels OSH

Production Details

Published Reserves/Resources

BR 7037 Published in 2002

INDICATED MINERAL RESOURCE 500,000,000 tonnes Ore @ 99.00 l/t OIL **FOR** 200,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at zero % moisture.

BR 7037 Published in 2002

INFERRED MINERAL RESOURCE 700,000,000 tonnes Ore @ 97.00 l/t OIL **FOR** 300,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at zero % moisture.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7037	2002	SOUTHERN PACIFIC PETROLEUM NL	SOUTHERN PACIFIC PETROLEUM NL ANNUAL REPORT 2002	SOUTHERN PACIFIC PETROLEUM NL

Major Mining Related Events

Year Commenced	Year Completed	Comments
2005		Southern Pacific Petroleum goes into liquidation.

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
MDL	197	10.00%	BELOBA PTY LIMITED
MDL	197	90.00%	QUEENSLAND ENERGY RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HERBERT CREEK BASIN	Herbert Creek beds / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL OIL SHALE

Mineralisation Age

ORE TERTIARY

Comments

Web Page

www.qer.com.au

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494024 **BLOCKADE**

ABANDONED MINE

Descriptive Location: 41.9 KM ENE MT ISA.

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 383088 mE 7719438 mN Latitude -20.6205 Longitude 139.8779 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Blockade North
Blockade South
Argylla

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
SILICA	SMALL	1 000 - 1 000 000 t SIO

Production Details

Period: 1-Jan-1955 to 31-Dec-1972 12,092 tonnes HARD ROCK ORE (OR REEF)

COPPER OTHER 1,107.9 tonnes 9.20 percent

Period: 1-Jan-1970 to 31-Dec-1975

SILICA 70,945.0 tonnes

Period: 1-Jul-1996 to 30-Jun-1997

COPPER METAL 18.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

OPEN CUT MINING

Comments

Present open cut workings consist of Pit 1 at Grid Reference 382968mE, 7719273mN, and Pit 2 at 383127mE, 7719074mN.

Tenure Type/Number		SHARE	Company Name/Surname
ML	90027	100.00%	KILO COPPER PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Leichhardt Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Web Page

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493374 **BLUE MOON**

ABANDONED MINE

Descriptive Location: 19KM NW OF WONDAI

1:100 000 sheet Number and Name: 9245 MURGON

Grid Reference: Zone 56 372881 mE 7102029 mN Latitude -26.1955 Longitude 151.7278 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
EARTHY LIME / DOLOMITE (AGRICULTURAL)	SMALL	10 000 - 100 000 tonnes ELIM

Production Details

Period: 1-Jul-1996 to 30-Jun-2009

EARTHY LIME / DOLOMITE (AGRICULTURAL)	22,569.3 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1996	to	2009	production in open pit until 2009, tenures lapsed in 2011

Mining Operations	Comments
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MAIN RANGE VOLCANIC SUBPROVINCE	Main Range Volcanics / EARLY TERTIARY to LATE TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	ENRICHED LIME DEPOSIT

Mineralisation Age

ORE	TERTIARY

Comments

Mining dolomite for agricultural purposes from the Main Range Volcanics.

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43943 **BLUE MOUNTAIN CREEK**

ABANDONED MINE

Descriptive Location: 3.5 KM ENE OF STANTHORPE.

1:100 000 sheet Number and Name: 9240 STANTHORPE

Grid Reference: Zone 56 399105 mE 6831026 mN Latitude -28.6438 Longitude 151.9677 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Tinora

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Period: 1-Jan-1913 to 31-Dec-1919 250,896 cubic metres KNOWN HISTORIC ALLUVI

CASSITERITE 180.4 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1913	to	1919	
1982	to	1982	

Mining Operations	Comments
DREDGING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NEW ENGLAND BATHOLITH	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

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45469 **BLUE RANGE**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 52 KM SE OF GREENVALE, 140KM WNW OF TOWNSVILE.

1:100 000 sheet Number and Name: 7959 CLARKE RIVER

Grid Reference: Zone 55 334815 mE 7884870 mN Latitude -19.1225 Longitude 145.4295 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Period: 1-Jan-1969 to 31-Dec-1982 645,800 cubic metres ALLUVIUM

CASSITERITE 1,300.0 tonnes

Published Reserves/Resources

Company Report 962 Published in 1962

INFERRED MINERAL RESOURCE 7,000,000 cubic metres Ore @ 0.66 kg/m*3 CASSITERITE **FOR** 4,620 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	DEEP LEAD PLACER SN

Mineralisation Age

ORE	CENOZOIC

Comments

These old workings are on deep lead cassiterite deposits at the south-western end of the Blue Range. Stanniferous alluvium occurs beneath a north-east-trending sandy plain.

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40938 **BLUESTONE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 6.5KM NNW OF MARYBOROUGH

1:100 000 sheet Number and Name: 9447 PIALBA

Grid Reference: Zone 56 466856 mE 7181474 mN Latitude -25.4834 Longitude 152.6702 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period:	1-Jan-1954	to	31-Dec-1961	
CLAY				13,917.2 tonnes
Period:	1-Jan-1964	to	31-Dec-1965	
CLAY				5,130.8 tonnes
Period:	1-Jul-1996	to	30-Jun-2005	
CLAY				28,493.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1951	to	1969	Quarry opened by Maryborough Drainpipes Pty Ltd in 1951. Clay extracted to produce earthenware pipes and fittings. Production records are incomplete.
1996			Clay produced by Marcotta Tiles Pty Ltd to manufacture roof tiles.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5384	100.00%	ROBIN JAMES WADE AND MARIAN DORIS WADE ATF THE WADE SUPERANNUATION FUND
ML	5392	100.00%	ROBIN JAMES WADE AND MARIAN DORIS WADE ATF THE WADE SUPERANNUATION FUND

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARYBOROUGH BASIN	Burrum Coal Measures / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	EARLY CRETACEOUS to CENOZOIC

Comments

The deposit consists of 3 to 4m of brown-grey sandy shale and blue-grey and red mottled semi-plastic clay overlain by 0.3 to 1m of loam. Minor ironstone nodules occur in the clay

Web Page

www.marcotta.com.au

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495019 **BOGGY CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 3 KM NORTH OF MOUNT ROBERT.

1:100 000 sheet Number and Name: 9148 MONTO

Grid Reference: Zone 56 326505 mE 7278075 mN Latitude -24.6016 Longitude 151.2864 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

Company Report 26510 Published in 1994

INFERRED MINERAL RESOURCE 3,000,000 tonnes Ore @ 0.33 g/t GOLD **FOR** 990 Kilograms GOLD

Comments/Cut Off Factor: Calculated to 100m depth.
CALCULATED TO 100M DEPTH.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14918	100.00%	NORTON GOLD MINE PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PERMO-TRIASSIC IGNEOUS PROVINCES	Lawyer Granite/r / MIDDLE TRIASSIC to MIDDLE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU

Mineralisation Age

ORE	MESOZOIC

Comments

The Boggy Creek prospect is a gold-bearing, clay-altered and fractured porphyry system with a Au-As soil anomaly extending for 250m by 300m. Drilling in the 1990s intersected 128m at 0.24g/t Au.

Web Page

www.nortongoldfields.com.au

Queensland Minerals

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507794 **BONNA**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 8.2KM SW OF BUNDABERG

1:100 000 sheet Number and Name: 9348 BUNDABERG

Grid Reference: Zone 56 428605 mE 7243475 mN Latitude -24.9222 Longitude 152.2929 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Brickwood

Avokah

Commodities	Size	Size Definition
BRICK CLAY		

Production Details

Period:	1-Jan-1962	to	31-Dec-1962	
BRICK CLAY				40.6 tonnes
Period:	1-Jan-1966	to	31-Dec-1966	
BRICK CLAY				593.0 tonnes
BRICK CLAY				
Period:	1-Jul-1996	to	30-Jun-1997	
BRICK CLAY				64,481.0 tonnes
Period:	1-Jul-1997	to	30-Jun-1998	
BRICK CLAY				72,533.0 tonnes
Period:	1-Jul-1999	to	30-Jun-2000	
BRICK CLAY				23,985.0 tonnes
Period:	1-Jul-2001	to	30-Jun-2002	
BRICK CLAY				52,625.0 tonnes
Period:	1-Jul-2002	to	30-Jun-2003	
BRICK CLAY				56,525.0 tonnes
Period:	1-Jul-2003	to	30-Jun-2004	
BRICK CLAY				59,825.0 tonnes
Period:	1-Jul-2005	to	30-Jun-2006	
BRICK CLAY				14,562.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference	ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1958	to	1958	Worked by Vandenbergs Brickworks.
1966	to	1970	Worked for brick clay.
1972	to	1972	Burnett Brickworks recommenced production.
1996			Worked by QC Bricks Pty Ltd.

Mining Operations	Comments
OPEN CUT MINING	Five old and two recent clay pits scattered on both sides of the Isis Highway.

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ELLIOT BASIN	Elliott Formation / EOCENE to MIOCENE

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	TERTIARY

Comments

Brick clay quarry run by QC Bricks Pty Ltd.

Web Page

www.qcbricks.com.au

Queensland Minerals

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42066 **BOOKALL'S**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: SE OF MUNGANA.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 226014 mE 8096669 mN Latitude -17.1984 Longitude 144.4240 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
FLUORITE	SMALL	50 - 50 000 tonnes FL

Production Details

FLUORITE	200.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15459	100.00%	MUNGANA GOLDMINES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Nundah Granodiorite / SILURIAN to SILURIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	FLUORITE-QUARTZ VEINS

Mineralisation Age

ORE	LATE CARBONIFEROUS to EARLY PERMIAN

Comments

Web Page

www.kagara.com.au

Queensland Minerals

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45356 **BOOTY FLATS EXTENDED**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 16.6 KM NORTH-NORTH-EAST OF BAMAGA, 700KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7376 THURSDAY ISLAND

Grid Reference: Zone 54 659324 mE 8810167 mN Latitude -10.7601 Longitude 142.4571 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
ZIRCON	VERY SMALL	<2 500 tonnes ZIR
ILMENITE	VERY SMALL	<5 000 tonnes IM
RUTILE	VERY SMALL	<2 000 tonnes RUT

Production Details

Published Reserves/Resources

Company Report 3113 Published in 1990

INFERRED MINERAL RESOURCE 367,000 cubic metres Ore @ 0.42 kg/m*3 CASSITERITE **FOR** 154 Tonnes CASSITERITE

Comments/Cut Off Factor: 0.3 kg/cubic metre SnO2 cutoff.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Matilda Minerals Ltd has applied for EPM 15224 and intends to explore for Pleistocene and Holocene strandline mineral sand deposits in the Cape York area. Booty Flats Extended is within the New Mapoon DOGIT.
Stanley and Button applied for ML 2 'Cape York' in 1950. Jones(1951) reported that the lease was not being worked; it was forfeited in 1952. Consolidated Mining Industries carried out auger drilling and calculated inferred resources of 0.37 Mm3 at 423 g/m3 cassiterite and 0.24 Mm3 at 148 g/m3. Jimbilly collected pan concentrate samples from alluvium within and adjacent to the creek and concluded that grades of ~930 g/m3 cassiterite occur along a creek length of at least 1830 m. Subsequent bulk sampling with an excavator showed that grades are lower than previously indicated. Trenching confirmed that grades are erratic and higher grades are confined to present day creek beds.

Web Page

www.matildaminerals.com

Queensland Minerals

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42327 **BOREE SALT**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 50KM SSW OF BLACKALL, 565KM WSW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8048 NORTHAMPTON DOWNS

Grid Reference: Zone 55 356140 mE 7261163 mN Latitude -24.7573 Longitude 145.5773 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRINE SALT		
BROMINE		
POTASSIUM / POTASH		

Production Details

Published Reserves/Resources

Company Report 17845 Published in 1988 **BOREE SALT EPM 4588 AREA**

INFERRED MINERAL RESOURCE

200,000,000 Tonnes SALT

Comments/Cut Off Factor: Estimate only.

Estimate.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17010	100.00%	INNOVATIVE ENERGY CONSULTING PROPRIETARY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
	Etonvale Formation / MIDDLE DEVONIAN to MIDDLE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	EVAPORITE DEPOSIT

Mineralisation Age

ORE EARLY DEVONIAN to MIDDLE DEVONIAN

Comments

Significant salt resources and favourable chemical and physical conditions exist to ensure the success of an injected solution mining program. The economic viability of such a project is dependent on the market for the raw salt.

The Boree Salt Deposit is an extensive, elongate, north-east-trending salt body that occurs between depths of 1525 and 2740m along the eastern edge of the Adavale Basin. The maximum thickness of the deposit is about 600m.

It is an Early to Middle Devonian evaporite section and comprises massive, granular salt with fine to very corse crystals. The salt assays 79 to 99% NaCl. In the Boree No.1 well, the deposit is 472m thick and occurs at 1955m depth.

Seismic survey results from oil/gas exploration have indicated the absence of major faults around the Boree No.1 well for at least 1km2.

Web Page

Queensland Minerals

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42377 **BOULDER WEST**

ABANDONED MINE

Descriptive Location: 13.5KM NNW OF NYMBOOL, 95KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 289204 mE 8062219 mN Latitude -17.5163 Longitude 145.0145 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Great Boulder West

Boulder

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Period: 1-Jan-1903 to 31-Dec-1967 857 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 13.2 tonnes

Published Reserves/Resources

BR 1649 Published in 1939 **BOULDER WEST**

INFERRED MINERAL RESOURCE 416,000 tonnes Ore @ 0.75 % CASSITERITE **FOR** 3,120 Tonnes CASSITERITE

Comments/Cut Off Factor: Grading 0.75 to 2.5% Sn. Resource estimate only. Tin grade ranges from 0.75-2.5%.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 1649	1939	JENSEN, H.I.	THE HERBERTON DISTRICT.	AERIAL, GEOLOGICAL AND GEOPHYSICAL SURVEY OF NORTHERN AUSTRALIA, REPORT 40. (UNPUBLISHED).

Major Mining Related Events

Year Commenced		Year Completed	Comments
1903	to	1903	Discovered in 1903. Owned and worked by James Dalziel.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14797	100.00%	AUZEX EXPLORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Emu Granite / CARBONIFEROUS to PERMIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Cassiterite irregularly distributed in a pipe-like to irregular greisen body.

Web Page

www.auzex.com

Queensland Minerals

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493527 **BOUNDARY FLAT LAGOONS**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: HERBERT CREEK NORTH OF MARLBOROUGH, 175KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8952 PRINCHESTER

Grid Reference: Zone 56 199753 mE 7502200 mN Latitude -22.5604 Longitude 150.0805 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Herbert Creek

Commodities	Size	Size Definition
OIL SHALE	MEDIUM	10 000 000 - 1 billion barrels OSH

Production Details

Published Reserves/Resources

BR 7037 Published in 2002 **BOUNDARY FLAT LAGOONS**

INDICATED MINERAL RESOURCE 700,000,000 tonnes Ore @ 77.00 l/t OIL **FOR** 300,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at zero % moisture.

BR 7037 Published in 2002 **BOUNDARY FLAT LAGOONS**

INFERRED MINERAL RESOURCE 1,200,000,000 tonnes Ore @ 77.00 l/t OIL **FOR** 400,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at zero % moisture.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7037	2002	SOUTHERN PACIFIC PETROLEUM NL	SOUTHERN PACIFIC PETROLEUM NL ANNUAL REPORT 2002	SOUTHERN PACIFIC PETROLEUM NL

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
MDL	196	10.00%	BELOBA PTY LIMITED
MDL	196	90.00%	QUEENSLAND ENERGY RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HERBERT CREEK BASIN	Herbert Creek beds / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	TERTIARY

Comments

Queensland Energy Resources Ltd purchased the project from Southern Pacific Petroleum NL in 2004.

Web Page

www.qer.com.au

Queensland Minerals

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507496 **BOWDER**

ABANDONED MINE

Descriptive Location: 17.7KM SW OF BUNDABERG.

1:100 000 sheet Number and Name: 9348 BUNDABERG

Grid Reference: Zone 56 422255 mE 7236475 mN Latitude -24.9851 Longitude 152.2297 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Bowder 3

Commodities	Size	Size Definition
BRICK CLAY		

Production Details

Period:	1-Jul-1996	to	30-Jun-1997	
BRICK CLAY				12,157.0 tonnes
Period:	1-Jul-1997	to	30-Jun-1998	
BRICK CLAY				13,480.0 tonnes
Period:	1-Jul-1998	to	30-Jun-1999	
BRICK CLAY				7,593.0 tonnes
Period:	1-Jul-1999	to	30-Jun-2000	
BRICK CLAY				12,633.0 tonnes
Period:	1-Jul-2000	to	30-Jun-2001	
BRICK CLAY				12,633.0 tonnes
Period:	1-Jul-2001	to	30-Jun-2002	
BRICK CLAY				4,200.0 tonnes
Period:	1-Jul-2002	to	30-Jun-2003	
BRICK CLAY				3,800.0 tonnes
Period:	1-Jul-2003	to	30-Jun-2004	
BRICK CLAY				2,750.0 tonnes
Period:	1-Jul-2004	to	30-Jun-2005	
BRICK CLAY				2,975.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ELLIOT BASIN	Elliott Formation / EOCENE to MIOCENE

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	TERTIARY

Comments

Web Page

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504633 **BOYNE LIMESTONE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 28.5KM SSE OF CALLIOPE.

1:100 000 sheet Number and Name: 9149 CALLIOPE

Grid Reference: Zone 56 327328 mE 7317193 mN Latitude -24.2485 Longitude 151.2992 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	LARGE	>10 000 000 tonnes LST

Production Details

Published Reserves/Resources

BR 7614 Published in 2004

INFERRED MINERAL RESOURCE 100,000,000 tonnes Ore @
100,000,000 Tonnes LIMESTONE

Comments/Cut Off Factor: Estimated limestone resource with substantial high-grade (50 to 55% CaO) sections.
Estimated limestone resource with substantial high-grade (50 to 55% CaO) sections.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7614	2004	METALLICA MINERALS LIMITED	METALLICA MINERALS LIMITED, PROSPECTUS 2004	METALLICA MINERALS LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	80131	100.00%	PHOENIX LIME PTY LTD
ML	80132	100.00%	PHOENIX LIME PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ROCKHAMPTON SUBPROVINCE	Yarwun beds / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS

Comments

Drilling and mapping identified an extractable opencut limestone deposit estimated to be in the vicinity of 100 Mt and containing a substantial high grade (50 - 55% CaO) component.

Web Page

www.metallicaminerals.com.au; www.phoenixlime.com.au

Queensland Minerals

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488724 **BRACEWELL MARBLE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: NEAR THE BRACEWELL-MT LARCOM ROAD, SE OF BAJOOL, 40KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 9050 BAJOOL

Grid Reference: Zone 56 283634 mE 7354921 mN Latitude -23.9026 Longitude 150.8747 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
MARBLE	LARGE	>1 000 000 tonnes MARB
CLAY	VERY SMALL	<2 000 tonnes CY

Production Details

Published Reserves/Resources

Company Report 22771 Published in 1991 **BRACEWELL MARBLE**

INFERRED MINERAL RESOURCE

6,000,000 Tonnes MARBLE

Comments/Cut Off Factor: To a depth of 20 metres.
Estimation.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	3601	100.00%	CEMENT AUSTRALIA (QUEENSLAND) PTY LIMITED
ML	3629	100.00%	CEMENT AUSTRALIA (EXPLORATION) PTY LTD
ML	3630	100.00%	CEMENT AUSTRALIA (EXPLORATION) PTY LTD
ML	3632	100.00%	CEMENT AUSTRALIA (EXPLORATION) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ROCKHAMPTON SUBPROVINCE	Mount Alma Formation / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL LIMESTONE DEPOSIT

Mineralisation Age

ORE LATE DEVONIAN to EARLY CARBONIFEROUS

Comments

Cement Australia quarry with no recorded production. One of a series of Cement Australia mining leases in the area.

Web Page

www.cemaust.com.au

493894 BRIBIE ISLAND FOUNDRY MOULD SAND

CARE AND MAINTENANCE

Descriptive Location: SOUTHERN TIP OF BRIBIE ISLAND, NORTH OF BRISBANE.

1:100 000 sheet Number and Name: 9543 BRISBANE

Grid Reference: Zone 56 517955 mE 7007717 mN Latitude -27.0526 Longitude 153.1811 Date Recorded: 17/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
FOUNDRY SAND	SMALL	1 000 - 1 000 000 tonnes SF

Production Details

Period: 30-Jun-1997 to 30-Jun-1998

SILICA SAND 196.0 tonnes

Period: 1-Jul-1997 to 30-Jun-2011

FOUNDRY SAND 14,874.0 tonnes

Published Reserves/Resources

FOUNDRY SAND

INFERRED MINERAL RESOURCE

25,000 Tonnes FOUNDRY SAND

Comments/Cut Off Factor: Resource estimate, Phil Gregory, Toowoomba Metal Technologies (personal comment).
Reserve estimate given by Phil Gregory, Toowoomba Metal Technologies, CMI Operations Pty Ltd.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	50067	100.00%	CMI INDUSTRIAL PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	Qhcd-QLD / HOLOCENE to HOLOCENE

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	CENOZOIC

Comments

The Bribie Island Foundry Mould Sands are owned by CMI Operations Pty Ltd and worked to produce foundry sands for the Toowoomba Foundry.

Web Page

www.cmilimited.com.au; www.tmettec.com.au

Queensland Minerals

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38722 **BRILLIANT LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1.1 KM ESE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 423412 mE 7779536 mN Latitude -20.0796 Longitude 146.2675 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

C5 Brilliant East 4
Brilliant East (C5)
Brilliant West (C1)
Brilliant P.C.
Bonnie Dundee
Brilliant Block
Brilliant Deeps
Brilliant Central
Brilliant Extended
Brillian Freeholds
New Brilliant Freeholds
Victoria Lode
Victoria
Victoria No. 1 West
Clarke'S Brilliant
Redmond'S Brilliant Freeholds And Day Dawn
Clarke'S Brilliant, Worcester And Victory
Phoebe Victory
Marshall'S Queen
Kelly'S Queen Block
Band Of Hope
Lady Carrington
Brilliant And St. George
Caledonia
New Queen Central
New Queen
Queen Tribute
Victoria And Caledonia Block

Commodities	Size	Size Definition
GOLD	LARGE	50 - 150 tonnes AU

Production Details

Period: 1-Jan-1879 to 31-Dec-1917 2,168,244 tonnes HARD ROCK ORE (OR REEF)

GOLD FINE 51,482.7 kilograms

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Published Reserves/Resources

BR 10151 Published in 2012 **BRILLIANT 3 (C05)**

INDICATED MINERAL RESOURCE 111,930 tonnes Ore @
5.35 g/t GOLD **FOR** 598 Kilograms GOLD

Includes probable reserves of 123123t at 4.62g/t Au.

BR 10151 Published in 2012 **BRILLIANT 4 (C05)**

INDICATED MINERAL RESOURCE 122,685 tonnes Ore @
23.27 g/t GOLD **FOR** 2,854 Kilograms GOLD

Comments/Cut Off Factor: 7 g/t Au cutoff.

Includes probable reserves of 134954t at 20.09g/t Au.

BR 10151 Published in 2012 **BRILLIANT EAST (C05)**

INFERRED MINERAL RESOURCE 1,010,889 tonnes Ore @
13.50 g/t GOLD **FOR** 13,647 Kilograms GOLD
9.00 g/t SILVER **FOR** 9,098 Kilograms SILVER

BR 10151 Published in 2012 **BRILLIANT WEST (C01)**

INFERRED MINERAL RESOURCE 426,766 tonnes Ore @
13.50 g/t GOLD **FOR** 5,761 Kilograms GOLD
9.00 g/t SILVER **FOR** 3,840 Kilograms SILVER

BR 10151 Published in 2012 **BRILLIANT WEST A (C01)**

INDICATED MINERAL RESOURCE 298,043 tonnes Ore @
6.45 g/t GOLD **FOR** 1,922 Kilograms GOLD

Includes probable reserve 327848t at 5.57g/t Au.

BR 10151 Published in 2012 **BRILLIANT WEST B (C01)**

INDICATED MINERAL RESOURCE 691,681 tonnes Ore @
5.63 g/t GOLD **FOR** 3,894 Kilograms GOLD

Includes probable reserves of 760849t at 4.86g/t Au.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	At least this many shafts worked the lode
INCLINED SHAFTS / DRIVES	At least this many underlie shafts worked the lode.

Tenure Type/Number		SHARE	Company Name/Surname
ML	1499	100.00%	CITIGOLD CORPORATION LIMITED
ML	10093	100.00%	CITIGOLD CORPORATION LIMITED
ML	10208	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Hogsflesh Creek Granodiorite / ORDOVICIAN to ORDOVICIAN
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	LATE SILURIAN to EARLY DEVONIAN

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Comments

One of the major prospects in Citigold Corporation Limited's Charters Towers Gold Project, specifically the proposed "City" mine (see Central Decline #38717) which includes the Sunburst, Brilliant and Day Dawn lodes.

The Charters Towers Deep Hole, drilled in 2008, was believed to have intersected the Brilliant West structure (Brilliant Lode) from 1583m downhole (BR 8851).

Web Page

http://www.citigold.com

Queensland Minerals

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44034 **BRISBANE CLAIM**

ABANDONED MINE

Descriptive Location: 6.0 KM ESE OF STANTHORPE.

1:100 000 sheet Number and Name: 9240 STANTHORPE

Grid Reference: Zone 56 401305 mE 6827176 mN Latitude -28.6788 Longitude 151.9898 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Quart Pot Creek
Kyoomba Dredge
Allison Co. Ltd

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Period: 1-Jan-1873 to 31-Dec-1944

CASSITERITE	10,182.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1873	to	1886	
1905	to	1909	
1920	to	1925	
1937	to	1944	

Mining Operations	Comments
DREDGING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NEW ENGLAND BATHOLITH	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Web Page

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483543 **BROADBEACH**

ABANDONED MINE

Descriptive Location: SOUTHPORT SPIT TO BURLEIGH

1:100 000 sheet Number and Name: 9541 MURWILLUMBAH

Grid Reference: Zone 56 542705 mE 6900176 mN Latitude -28.0229 Longitude 153.4344 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
RUTILE	SMALL	2 000 - 200 000 tonnes RUT
ZIRCON	SMALL	500 - 500 000 tonnes ZIR
ILMENITE	SMALL	5 000 - 5 000 000 tonnes IM
MONAZITE	SMALL	200 - 20 000 tonnes MZ
PLATINUM	VERY SMALL	<0.5 tonnes PT
OSMIUM	VERY SMALL	<0.5 tonnes OS

Production Details

Period: 1-Jan-1940 to 31-Dec-1954

MINERAL SAND 86,998.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1941	to	1949	INITIALLY BY HAND, LATER BY BULLDOZER SCRAPES

Mining Operations	Comments
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	SHORELINE PLACER
DETAILED OREBODY MODEL	SHORELINE (STRANDLINE) PLACER HEAVY MINERALS

Mineralisation Age

ORE	CENOZOIC

Comments

Web Page

Queensland Minerals

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481791 **BUCK REEF WEST**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 0.7 KM SSW OF RAVENSWOOD.

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 488173 mE 7776802 mN Latitude -20.1058 Longitude 146.8869 Date Recorded: 10/February/2016

Other Names for Deposit / Mine

Brw
General Grant Reef
Sunset Reef
Duke Of Edinburgh Reef
Luana
Garibaldi Reef
Buck Reef West Extension
Buck Hill

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Period: 1-Jan-1917 to 31-Dec-1917 9 tonnes KNOWN HISTORIC PRODUCTION
GOLD BULLION 0.3 kilograms

Period: 1-Jul-1987 to 30-Jun-1990 160,000 tonnes HARD ROCK ORE (OR REEF)
GOLD BULLION 448.0 kilograms 2.80 grams per tonne

Published Reserves/Resources

BR 10444 Published in 2015 **BUCK REEF WEST**
INDICATED MINERAL RESOURCE 11,582,000 tonnes Ore @ 0.90 g/t GOLD **FOR** 10,423 Kilograms GOLD
Comments/Cut Off Factor: 0.5 g/t Au cutoff

BR 10444 Published in 2015 **BUCK REEF WEST**
INFERRED MINERAL RESOURCE 12,360,000 tonnes Ore @ 0.90 g/t GOLD **FOR** 11,124 Kilograms GOLD
Comments/Cut Off Factor: 0.5 g/t Au cutoff

BR 10444 Published in 2015 **BUCK REEF WEST**
MEASURED MINERAL RESOURCE 17,857,000 tonnes Ore @ 1.10 g/t GOLD **FOR** 19,642 Kilograms GOLD
Comments/Cut Off Factor: 0.5 g/t Au cut off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10444	2015	RESOLUTE MINING LIMITED	A PROVEN GOLD PRODUCER > ANNUAL REPORT 2015	RESOLUTE MINING LIMITED, PERTH. HTTP://HTTP://WWW.RML.COM.AU/

Major Mining Related Events

Year Commenced		Year Completed	Comments
1887	to	1990	Mined by Carpentaria Gold Pty Ltd via open cut.
2002	to	2005	Mined by Carpentaria Gold Pty Ltd via decline.

Mining Operations	Comments
OPEN CUT MINING	
DECLINED SHAFTS/DRIVES	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1380	100.00%	CARPENTARIA GOLD PTY. LTD.
ML	1412	100.00%	CARPENTARIA GOLD PTY. LTD.
ML	1532	100.00%	CARPENTARIA GOLD PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Jessop Creek Granite / SILURIAN to DEVONIAN

Queensland Minerals

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Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PORPHYRY INTRUSION-RELATED QUARTZ VEINS & STOCKWORKS
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	PALAEOZOIC
ORE	PALAEOZOIC

Comments

Web Page

http://www.resolute-ltd.com.au/

Queensland Minerals

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481354 **BUCKLAND**

ABANDONED MINE

Descriptive Location: 12.2 KM WNW OF MOUNT SURPRISE.

1:100 000 sheet Number and Name: 7761 MOUNT SURPRISE

Grid Reference: Zone 55 205645 mE 7997153 mN Latitude -18.0943 Longitude 144.2189 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Magna

Mount Garnet Lime

Commodities	Size	Size Definition
EARTHY LIME / DOLOMITE (AGRICULTURAL)	MEDIUM	100 000 - 1 000 000 tonnes ELIM
LIMESTONE	VERY SMALL	<100 000 tonnes LST

Production Details

Period: 1-Jan-1982 to 31-Dec-1993

EARTHY LIME / DOLOMITE (AGRICULTURAL) 41,320.0 tonnes

Period: 1-Jul-1996 to 30-Jun-2009

EARTHY LIME / DOLOMITE (AGRICULTURAL) 154,764.6 tonnes

LIMESTONE OTHER 15,464.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1999	to	2010	open cut operations; tenure lapsed in 2010

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MCBRIDE BASALT PROVINCE	Undara Basalt / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL LIMESTONE DEPOSIT

Mineralisation Age

ORE QUATERNARY

Comments

Operating limestone/dolomite quarry for production of agricultural lime.

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532202 **BULONGA**

ABANDONED MINE

Descriptive Location: 55.3KM WEST-SOUTH-WEST OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 400757 mE 7682944 mN Latitude -20.9512 Longitude 140.0454 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Bulonga No. 1

Commodities	Size	Size Definition
COPPER	VERY SMALL	<500 tonnes CU
SILICA	SMALL	1 000 - 1 000 000 t SIO

Production Details

Period: 1-Jan-1968 to 31-Dec-1972 679 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 27.6 tonnes 4.07 percent

Period: 1-Jan-1976 to 31-Dec-1979

SILICA 1,985.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1968	to	1979	mined by W. F. Clark

Mining Operations	Comments
SHAFTS	
OPEN CUT MINING	
TRENCHES	
UNDERGROUND MINING METHODS	
STOPING	
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MITAKOODI DOMAIN	Cone Creek Metabasalt Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Web Page

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540195 **BUNGOBINE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 29KM NW OF MOUNT COOLON

1:100 000 sheet Number and Name: 8355 MOUNT COOLON

Grid Reference: Zone 55 521114 mE 7660170 mN Latitude -21.1596 Longitude 147.2034 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Mount Coolon Oil Shale

Commodities	Size	Size Definition
OIL SHALE	MEDIUM	10 000 000 - 1 billion barrels OSH
KAOLIN / KAOLINITE	SMALL	2 000 - 200 000 tonnes KAO

Production Details

Published Reserves/Resources

Company Report 23002 Published in 1990 **OREBODIES A AND B**

INFERRED MINERAL RESOURCE 174 millions of tonnes Ore @ 136.00 l/t OIL **FOR** 148,842,077 Barrels Of Oil OIL

Average yield of 136 litres/tonnes.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
MDL	367	99.00%	AUSTRAL DUTCH KAOLIN PTY LTD
MDL	367	1.00%	WIRRALIE MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC SEDIMENTARY COVER	Suttor Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	MIOCENE	Fossils indicate a Miocene age.

Comments

Bungobine comprises 6 discrete bodies (A to F) or sub-basinal deposits spread randomly over 50 square kilometres. Bodies A and B are higher grade and are thicker lenses; they comprise 90% of the Bungobine resources (BR 6925).

Oil content is variable, with the highest yields coming from brown algal-rich shales. Modified Fischer Assay results (air-dried samples) were up to 220L/t. Water content is also very high (BR 6894).

Very high organic C concentrations have been found in the chars after retorting. The oil shales are relatively aliphatic, with an average H:C ratio of 1.7, and have relatively low N and S contents. The oils are low in tar acid and base content (BR 6889).

Kaolinite deposits are thought to be too hard and to be contaminated by minor organics and iron oxides. They have a high silica content. Their economic potential remains untested.

The deposits are thought to have resulted from changes in climatic conditions brought about by the stagnation of bottom waters in a lacustrine environment and the accumulation and preservation of organic matter.

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40718 **BURLINGTON ONE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 16.5KM WSW OF LYNDBROOK SIDING, 175KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7762 LYNDBROOK

Grid Reference: Zone 55 213414 mE 8020769 mN Latitude -17.8821 Longitude 144.2955 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Graves Creek Prospect

Commodities	Size	Size Definition
TUNGSTEN	LARGE	>10 000 tonnes W

Production Details

Published Reserves/Resources

Company Report 11464 Published in 1982 **BURLINGTON ONE**

INFERRED MINERAL RESOURCE 3,750,000 tonnes Ore @ 0.50 % TUNGSTIC OXIDE **FOR** 18,750 Tonnes TUNGSTIC OXIDE

Comments/Cut Off Factor: 0.5% WO3 cutoff.

This resource is based on the assumptions that the vein averages 2m width, is 2500m long and continuous to 25m depth, an optimistic resource at best (PDG).

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	18188	100.00%	AUSTRALIA CONGLIN INTERNATIONAL INVESTMENT GROUP PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Burlington Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	WOLFRAM VEINS

Mineralisation Age

ORE	CARBONIFEROUS

Comments

A system of 0.2-1m wide wolframite-bearing quartz veins occurs within a 10-30m wide lode.

Web Page

www.resolve-geo.com

481217 CALCIUM QUARRIES

ABANDONED MINE

Descriptive Location: 4.5 KM WNW OF CALCIUM, 40KM SOUTH OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8258 MINGELA

Grid Reference: Zone 55 478015 mE 7825970 mN Latitude -19.6614 Longitude 146.7903 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	MEDIUM	2 000 000 - 10 000 000 tonnes LST

Production Details

Period: 1-Jan-1952 to 31-Dec-1994

LIMESTONE	OTHER	9,473,230.0 tonnes

Period: 1-Jul-1996 to 30-Jun-1997

LIMESTONE	OTHER	9,520.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BURDEKIN BASIN	Burdekin Formation / MIDDLE DEVONIAN to MIDDLE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	MIDDLE DEVONIAN

Comments

This quarry has been the major producer of limestone in the Townsville region in the latter half of the century. The limestone was crushed and treated on site and transported to Townsville for use in the cement industry. Mining operations have ceased.

Web Page

http://www.qcl.com.au/

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38742 **CALEDONIA REEF**

ABANDONED MINE

Descriptive Location: 1.9 KM ESE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 424114 mE 7779099 mN Latitude -20.0836 Longitude 146.2742 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Caledonia P.C.
Lady Carrington
Millican'S Caledonia
Craven'S Caledonia
Kelly'S Caledonia
Caledonia Consul
Carrington
Victoria And Caledonia Block
Mayday
Caledonia
Caledonian
No. 1, 2, 3 South Caledonia Claims

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1872 to 31-Dec-1901 28,851 tonnes HARD ROCK ORE (OR REEF)

GOLD FINE 1,733.1 kilograms

Published Reserves/Resources

BR 10151 Published in 2012

CALEDONIA EXTENDED (C7)

INDICATED MINERAL RESOURCE 14,969 tonnes Ore @ 15.00 g/t GOLD **FOR** 224 Kilograms GOLD

Comments/Cut Off Factor: 7.0 g/t cut off.
Includes probable reserve 16466t at 12.95g/t Au.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1872	to	1901	Mined by the Caledonia P.C. and Nos. 1, 2, 3 South Caledonia claims, then by Cravens and Millican's Caledonia and lastly by the Lady Carrington.

Mining Operations	Comments
INCLINED SHAFTS / DRIVES	
SHAFTS	At least 12 vertical shafts worked this lode.
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15964	100.00%	CITIGOLD CORPORATION LIMITED
ML	1499	100.00%	CITIGOLD CORPORATION LIMITED
ML	10093	100.00%	CITIGOLD CORPORATION LIMITED
ML	10193	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

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481048 **CAMEL CREEK MINE**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 67 KM NORTH-EAST OF GREENVALE, 135KM NW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8060 KANGAROO HILLS

Grid Reference: Zone 55 348515 mE 7918470 mN Latitude -18.8200 Longitude 145.5624 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Amanda Bel [Camel Creek]
Golden Ant

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
ANTIMONY	VERY SMALL	<50 tonnes SB

Production Details

Period: 1-Jan-1989 to 31-Dec-1994 1,059,696 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 1,780.3 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1987	to	1987	Discovery (Wally Saul).
1989	to	1994	Mining (Golden Ant Mining Ltd) of the oxide veins.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	4522	100.00%	GOLDEN ANT MINING PTY LTD
ML	4523	100.00%	GOLDEN ANT MINING PTY LTD
ML	4525	100.00%	GOLDEN ANT MINING PTY LTD
ML	4534	100.00%	GOLDEN ANT MINING PTY LTD
ML	4540	100.00%	GOLDEN ANT MINING PTY LTD
ML	6952	100.00%	GOLDEN ANT MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMEL CREEK SUBPROVINCE	Kangaroo Hills Formation / SILURIAN to MIDDLE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)	
GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)	VEIN

Mineralisation Age

ORE CARBONIFEROUS

Comments

Mineralisation ranges from Au-Sb-As veins and stockworks before or syn D2 to epithermal post D4 Q-Au-As veins. Minor amounts of Pb-Zn-Mo-Sn-W accompany mineralisation.
Pre or syn D2 mineralisation is associated with carbonaceous shale which has a high background Au-Sb-Ag content. Gold occurs within the Sb-Fe-As oxides and within Q.
The mineralisation model involves fluids derived from moderate-deep metamorphic dewatering during the main deformation event with these fluids leaking to shallow crustal levels in the Carboniferous and focused along deep-seated structures.
Late intrusive related veins also occur.

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504563 **CANAL CREEK**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: ALONG CANAL CREEK, ALLORA

1:100 000 sheet Number and Name: 9241 ALLORA

Grid Reference: Zone 56 358705 mE 6876776 mN Latitude -28.2272 Longitude 151.5600 Date Recorded: 20/February/2017

Other Names for Deposit / Mine

Canal Creek Gold Field

Commodities	Size	Size Definition
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1863 to 31-Dec-1887

GOLD	BULLION	570.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments
1860		The Canal Creek alluvial deposit was worked intermitenly since the pre-1900s gold rush to recent times.

Mining Operations	Comments
PITS	Evidences of previous working have been removed by subsequent dredging operation along the Canal Creek. Postulated mining method is pitting.

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Texas beds / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL ALLUVIAL PLACER

Mineralisation Age

ORE Alluvial material included rounded jasper grains.

Comments

Web Page

42329 CANNINDAH CREEK LIMESTONE

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 4KM ESE OF MONTO, 105KM SSW OF GLADSTONE.

1:100 000 sheet Number and Name: 9148 MONTO

Grid Reference: Zone 56 314905 mE 7251176 mN Latitude -24.8431 Longitude 151.1683 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Flood Creek Area

Black Boy Area

Commodities	Size	Size Definition
LIMESTONE	LARGE	>10 000 000 tonnes LST

Production Details

Published Reserves/Resources

Company Report 14829 Published in 1985 **EPM 2887 AREA**

INFERRED MINERAL RESOURCE

83,290,000 Tonnes LIMESTONE

Comments/Cut Off Factor: <12% SiO2.

In situ. Estimate above 300m AHD, in addition to 0.85Mt/vertical metre of possible resources below 3000m AHD.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ROCKHAMPTON SUBPROVINCE	Rockhampton Group / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	EARLY CARBONIFEROUS

Comments

The composition of the limestone (46-52% CaO, 0.69-1.16% MgO, 4.8-11.5% SiO2, 0.63-1.76% Al2O3, 0.03-0.24% Fe2O3) is such that it would be acceptable for cement manufacture.

Inferred resource with >12% SiO2 is 147.65Mt above 300m AHD, with 1.749Mt per vertical metre below 300m AHD.

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486625 **CAROLINE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 15.5 KM WNW OF QUAMBY

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 411340 mE 7754023 mN Latitude -20.3096 Longitude 140.1508 Date Recorded: 8/February/2016

Other Names for Deposit / Mine

Lady Clayre East

Gidgy Park

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

COPPER	UNKNOWN	7 tonnes HARD ROCK ORE (OR REEF)

Published Reserves/Resources

BR 10439 Published in 2015 **CAROLINE**

INFERRED MINERAL RESOURCE 3,600,000 tonnes Ore @ 0.53 % COPPER **FOR** 19,080 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut off grade

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10439	2015	ALTONA MINING LIMITED	ANNUAL REPORT 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, JULY 2015. ALTONA MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Mount Roseby Schist / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT	SUPERGENE ENRICHED
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD	

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

This deposit forms part of Universal Resources Ltd's Roseby Copper Project.

The oxide ore contains native copper (50 to 70%), copper in clays and micas (30 to 40%), and chalcocite (<10%), and is the result of weathering of primary stratabound sulphide deposits containing bornite and chalcopyrite.

Web Page

www.altonamining.com

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498588 **CENTRAL 50**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 23 KM WEST-NORTH-WEST OF GEORGETOWN, 275KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7561 FOREST HOME

Grid Reference: Zone 54 747808 mE 7982973 mN Latitude -18.2282 Longitude 143.3433 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Lineament Prospect

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

Company Report 8426 Published in 1981 **CENTRAL 50 SYSTEM**

INFERRED MINERAL RESOURCE 374,500 tonnes Ore @

0.16 % URANIUM OXIDE **FOR** 580 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 0.0452% U3O8 cutoff over an average width of 4.4m and minimum true width of 1.5m.

Mineralisation is open to the west at depth.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Corbett Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
ETHERIDGE PROVINCE	Forsayth Granite / MESOPROTEROZOIC to MESOPROTEROZOIC
KENNEDY IGNEOUS ASSOCIATION	Mount Darcy Microgranodiorite / CARBONIFEROUS to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	INTRUSIVE-RELATED URANIUM
DETAILED OREBODY MODEL	UNCONFORMITY U-AU (VEIN-TYPE U)

Mineralisation Age

ORE	CARBONIFEROUS

Comments

The Central 50 deposit appears to be the best system explored in the area, with continuous mineralisation intersected over a strike length of approximately 170m and plunging to a vertical depth of 200m.

Drilling results indicated that the mineralisation increases in grade and thickness towards the base of the plunging shoot. No mineralisation was intersected below this. The mineralisation is open-ended to the west at depth but restricted in the east.

Drilling of a 240m long section of the prospect in 2008 returned 2m at 0.21% U3O8, 24m at 0.07% U3O8, 15m at 0.1% U3O8 and 21m at 0.08% U3O8.

Web Page

http://www.megauranium.com

Queensland Minerals

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38717 **CENTRAL DECLINE**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 0.9KM ESE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 424230 mE 7779301 mN Latitude -20.0817 Longitude 146.2753 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

City Lodes
City Mine
Brilliant
No.1 Cross Reef
Central Decline, Charters Towers Project
Sunburst
Charters Towers Gold Mine
Brilliant East
Day Dawn

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jul-1997 to 30-Jun-1998

GOLD	FINE	559.8 kilograms
SILVER		434.3 kilograms

Published Reserves/Resources

BR 10151 Published in 2012

NO.1 CROSS REEF (C28)

INFERRED MINERAL RESOURCE 583,200 tonnes Ore @ 13.50 g/t GOLD **FOR** 7,873 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1997	to	1998	Underground production then commenced from trial stopes in the Cross Vein No2 in June 1997.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
DECLINED SHAFTS/DRIVES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15964	100.00%	CITIGOLD CORPORATION LIMITED
ML	1499	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	LATE SILURIAN to EARLY DEVONIAN	Date of ~414Ma from sericite in alteration at Brilliant Reef (Perkins & Kennedy, 1998). Lead isotope dating indicates ~400 Ma (Carr and others, 1997)

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Comments

Citigold Corporation Limited in February 2010 announced plans to reopen the Central Decline (Brilliant East) and to mine the Brilliant, Day Dawn and Sunburst reefs as one "super mine" by 2012.

Mineralisation is fault controlled and characterised by narrow (0.3-1.5m), massive, white quartz veins with up to 10% of pyrite, galena, sphalerite and minor chalcopyrite. Red and green sericite and montmorillonite alteration adjacent to the veins.

The main focus of the Charters Towers Gold Project was to access the main workings and veins of the large Brilliant and Day Dawn reefs which were the mainstay of the historic Charters Towers goldfield.

Web Page

http://www.citigold.com.au/

Queensland Minerals

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493635 **CENTURY**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 16KM SW OF LAWN HILL, 220KM NORTH OF MT ISA.

1:100 000 sheet Number and Name: 6660 LAWN HILL

Grid Reference: Zone 54 247121 mE 7927865 mN Latitude -18.7253 Longitude 138.6018 Date Recorded: 30/January/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ZINC	GIANT	>5 000 000 tonnes ZN
LEAD	MEDIUM	100 000 - 2 500 000 tonnes PB
SILVER	MEDIUM	500 - 5 000 tonnes AG

Production Details

Period: 1-Jan-2000 to 31-Dec-2016

ZINC	METAL	7,543,105.0 tonnes
LEAD	METAL	1,112,656.0 tonnes
SILVER		2,398,609.5 kilograms

Published Reserves/Resources

BR 10312 Published in 2014 **CENTURY EASTERN FAULT BLOCK**

INDICATED MINERAL RESOURCE 500,000 tonnes Ore @

11.60 % ZINC	**FOR**	58,000 Tonnes ZINC
48.00 g/t SILVER	**FOR**	24,000 Kilograms SILVER
1.10 % LEAD	**FOR**	5,500 Tonnes LEAD

Comments/Cut Off Factor: 3.5% Zn.

BR 10312 Published in 2014 **CENTURY OPEN CUT**

INDICATED MINERAL RESOURCE 7,900,000 tonnes Ore @

9.30 % ZINC	**FOR**	734,700 Tonnes ZINC
41.00 g/t SILVER	**FOR**	323,900 Kilograms SILVER
1.70 % LEAD	**FOR**	134,300 Tonnes LEAD

Comments/Cut Off Factor: 3.5% Zn.

Includes probable reserves of 7.2Mt at 8.3% Zn, 1.5% Pb and 37g/t Ag.

BR 10312 Published in 2014 **CENTURY OPEN CUT**

INFERRED MINERAL RESOURCE 500,000 tonnes Ore @

9.10 % ZINC	**FOR**	45,500 Tonnes ZINC
38.00 g/t SILVER	**FOR**	19,000 Kilograms SILVER
1.50 % LEAD	**FOR**	7,500 Tonnes LEAD

Comments/Cut Off Factor: 3.5% Zn.

BR 10312 Published in 2014 **CENTURY STOCKPILES**

MEASURED MINERAL RESOURCE 1,100,000 tonnes Ore @

5.70 % ZINC	**FOR**	62,700 Tonnes ZINC
51.00 g/t SILVER	**FOR**	56,100 Kilograms SILVER
2.30 % LEAD	**FOR**	25,300 Tonnes LEAD

Comments/Cut Off Factor: 3.5% Zn.

Including proved reserves of 0.8 Mt at 6.8%Zn, 2.6% Pb and 69g/t Ag

BR 10312 Published in 2014 **SILVER KING**

INFERRED MINERAL RESOURCE 2,700,000 tonnes Ore @

12.50 % LEAD	**FOR**	337,500 Tonnes LEAD
121.00 g/t SILVER	**FOR**	326,700 Kilograms SILVER
6.90 % ZINC	**FOR**	186,300 Tonnes ZINC

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10312	2014	MMG LIMITED	MMG MINERAL RESOURCES AND ORE RESERVES STATEMENT, JUNE 2014	MMG LIMITED, MELBOURNE. HTTP://WWW.MMG.COM

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

Major Mining Related Events

Year Commenced		Year Completed	Comments
1990			Discovered 4th April 1990 (CRA Exploration Pty Limited), 27m @ 6.3% Zn intersected.
1996	to	2005	Prospect sold to Pasminco Ltd. Pasminco went into receivership but was reconstituted as Zinifex Ltd.
1997			Mine development commenced October 1997 with first ore into zinc concentrator on 6 October.
1999			First shipment of zinc concentrate in December 1999 from port of Karumba.

Operating Mine Life: 2000 to 2015 Mine officially opened 4th April 2000 ten years to the day after exploration drilling intersected the mineralisation. 11 year mine life from June 2005.

2006			Transition from Stage 4 to Stage 5 in September 2006.
2008	to	2009	Zinifex Ltd merged with Oxiana, with operations transferred to a subsidiary Oxiana Zinifex Holdings Ptd Ltd (renamed to OZ Minerals Ltd)
2009			MMG takes over operations from OZ Minerals in June 2009

Mining Operations	Comments
OPEN CUT MINING	As at June 2000, the pit was 1km long by 1km wide by 120m deep. There are seven stages to the pit design. In September 2006, mining progressed from Stage 4 to Stage 5.

Tenure Type/Number		SHARE	Company Name/Surname
ML	90045	100.00%	MMG CENTURY LIMITED
ML	90058	100.00%	MMG CENTURY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CENTURY DOMAIN	Lawn Hill Formation / PALAEOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (SEDEX ZN-PB, SHALE-HOSTED ZN-PB)

Mineralisation Age

ORE	PALAEOPROTEROZOIC to MESOPROTEROZOIC	U-Pb zircon age = 1595+/-6Ma (Sun, Page & Carr 1994)

Comments

On 17 June 2009 OZ Minerals completed a transaction with China Minmetals Non Ferrous Metals Co. Ltd acquiring Century. As such the production figures reported in the OZ minerals June Quarterly report 2009 applies to the months April and May only.
In June 2009 Minerals and Metals Group (MMG) was formed from the sale of assets by OZ Minerals to China Minmetals Non-ferrous Metals Co. Ltd, a division of China Minmetals Corporation. MMG operate Century since June 2009.
The deposit is developed within shale and siltstone of the Lawn Hill Formation and differs from many of the other deposits in the region in that it is hosted by siliciclastic rather than carbonate-rich sediment.
Economic grade mineralisation consists of fine grained sphalerite, galena and minor pyrite which occur as delicate, bedding parallel lamellae in carbonaceous shale units. Smelters in Australia, Japan, Korea and Europe purchase concentrate from this mine.
Century has a mine life of 15 years, with production finishing in 2018, at a planned production rate of 5 Mt ore/year.
Century is the second largest zinc mine in the world, based on zinc production. Treatment is by conventional grinding and froth flotation.
The ore requires ultrafine grinding to maximise Zn recovery and achieve acceptable silica levels in concentrates.
The concentrates are thickened before being pumped in separate batches to Karumba through a 304km long buried pipeline. The concentrates are dried and stored in Karumba before being loaded on ships via a self-unloading transfer vessel.
In November 2008, Oz Minerals announced that it will cut annual zinc production by 20 000tpa in 2009.
. The Century mine is currently in a transition period as it prepares for the end of open cut zinc production in the third quarter of 2015.
MMG also continues to examine growth options to utilise Century¿s extensive infrastructure within a 50km radius.

Web Page

www.mmg.com

Queensland Minerals

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512770 **CHARLIE BROWN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 20.6KM NW OF QUAMBY.

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 411914 mE 7762896 mN Latitude -20.2294 Longitude 140.1567 Date Recorded: 8/February/2016

Other Names for Deposit / Mine

Charles Brown

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

BR 10439 Published in 2015 **CHARLIE BROWN**

INFERRED MINERAL RESOURCE 700,000 tonnes Ore @ 0.40 % COPPER **FOR** 2,800 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10439	2015	ALTONA MINING LIMITED	ANNUAL REPORT 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, JULY 2015. ALTONA MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Collapsed.
PITS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90163	50.00%	ROSEBY COPPER PTY LTD
ML	90163	50.00%	ALTONA MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Mount Roseby Schist / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED CU (INCLUDES CU-SHALE)

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Part of Altona Mining Limited's Roseby Copper Project.

Web Page

www.altonamining.com

Queensland Minerals

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41979 **CHIEFTAN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: CARDROSS.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 193065 mE 8114469 mN Latitude -17.0335 Longitude 144.1170 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Chieftain
Macao
Allan

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1898 to 31-Dec-1917 24,000 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	2,016.0 tonnes	8.40 percent
SILVER		2,712.0 kilograms	113.00 grams per tonne
GOLD	FINE	69.6 kilograms	2.90 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	Five levels of underground workings
SHAFTS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	20003	100.00%	OZMIN RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
YAMBO SUBPROVINCE	Dargalong Metamorphics / PALAEOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE PALAEOPROTEROZOIC

Comments

Most of the production from the Cardross line came from the Chieftain shaft. The current lease is held by Ozmin Resources Pty Ltd, a subsidiary of Axiom Mining Ltd.

Phase 2 of the diamond drilling program over the Cardross lease was completed in June 2008. The best drill intersection was 28m @ 0.7% Cu, 0.23g/t Au and 13g/t Ag from 97 m downhole.

Web Page

www.axiom-mining.com

Queensland Minerals

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494030 **CHINAMAN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 39.5KM SW OF CLONCURRY.

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 426082 mE 7678122 mN Latitude -20.9960 Longitude 140.2888 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Chinaman Extended

Commodities	Size	Size Definition
COPPER	VERY SMALL	<500 tonnes CU
SILICA	SMALL	1 000 - 1 000 000 t SIO
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 31-Dec-1958 653 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	49.8 tonnes	7.60 percent
GOLD	BULLION	0.1 kilograms	

Period: 1-Jan-1970 to 31-Dec-1973

SILICA	45,523.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1956	to	1958	Mined by J.A. Leahy.
1970	to	1973	Mined for cupriferous silica flux.
2000			Mined by Albert O'Keefe for secondary copper ore.

Mining Operations	Comments
OPEN CUT MINING	Main open cut is dug on the site of older shafts and underground workings and is 300m long.
TRENCHES	
PITS	
SHAFTS	Collapsed
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13336	100.00%	NORTH QUEENSLAND MINES PTY LIMITED
ML	90088	100.00%	NORTH QUEENSLAND MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MITAKOODI DOMAIN	Cone Creek Metabasalt Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Web Page

www.goldsearch.com.au; www.queenslandminingcorporation.com.au

Queensland Minerals

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41073 **CHINAMAN CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 7.8KM S OF MOUNT PERRY

1:100 000 sheet Number and Name: 9247 MOUNT PERRY

Grid Reference: Zone 56 361585 mE 7207535 mN Latitude -25.2420 Longitude 151.6257 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Chinaman Creek Prospect

Commodities	Size	Size Definition
COPPER	LARGE	250 000 - 2 000 000 tonnes CU
MOLYBDENUM	VERY SMALL	<50 tonnes MO
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 1792 Published in 1980

CHINAMAN CREEK PORPHYRY COPPER

INFERRED MINERAL RESOURCE 200,000,000 tonnes Ore @ 0.20 % COPPER **FOR** 400,000 Tonnes COPPER

Comments/Cut Off Factor: Estimate only; derived from Noranda drilling.
Estimate only - not JORC compliant

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 1792	1980	LACY, W.C.	MINERALISATION ALONG THE EXTENSION OF THE NEW ENGLAND AND LACHLAN-THOMSON FOLD BELTS INTO NORTH QUEENSLAND.	IN HENDERSON, R.A., & STEPHENSON, P.J. (EDITORS): THE GEOLOGY AND GEOPHYSICS OF NORTHEASTERN AUSTRALIA. GEOLOGICAL SOCIETY OF AUSTRALIA, QUEENSLAND DIVISION, BRISBANE, 269-279.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Tenningering Granodiorite / LATE PERMIAN to LATE PERMIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU

Mineralisation Age

ORE	EARLY TRIASSIC

Comments

Gold lies in shoots of short strike length and high grade that extend at depth. Noranda developed a resource in the 1970s but did not focus on gold and molybdenum associated with copper which is the current target.
Phyllic alteration of a breccia pipe is present here. Some xenoliths of foliated mica schist occur. An intrusive breccia zone with radial or concentric dyke swarms, hydrothermal altered breccia, and a minor greisen zone occur in this deposit.
The breccia has a sharp contact with granodiorite and a transitional contact with porphyritic rhyolite. Dykes of dolerite, trachyte, andesite and rhyolite are common. Fracture and cavity-fill sulphides are common in the groundmass of the breccia.

Web Page

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39487 **CHINAMAN'S FLAT**

ABANDONED MINE

Descriptive Location: 9.9 KM ESE OF STANTHORPE.

1:100 000 sheet Number and Name: 9340 DRAKE

Grid Reference: Zone 56 405405 mE 6826976 mN Latitude -28.6809 Longitude 152.0318 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Glen Robin
Turenko'S
Ryan'S Freehold

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Period: 1-Jan-1917 to 31-Dec-1978

CASSITERITE	365.1 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1917	to	1919	
1937	to	1951	
1977	to	1978	

Mining Operations	Comments
DREDGING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NEW ENGLAND BATHOLITH	Stanthorpe Granite/1 / EARLY TRIASSIC to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

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44882 **CHINKY CREEK**

ABANDONED MINE

Descriptive Location: 39.2 KM SSW OF LAURA.

1:100 000 sheet Number and Name: 7766 LAURA

Grid Reference: Zone 55 215816 mE 8240469 mN Latitude -15.8986 Longitude 144.3460 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Period: 31-Dec-1896

GOLD	BULLION	10,000.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments
	1896	Gold discovered in Chinky Gully by Fagan and Mossman. Mainly worked by Chinese after that.

Mining Operations	Comments
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER GOLD

Mineralisation Age

ORE	CENOZOIC

Comments

Chinky Creek is within Aboriginal freehold land (formerly the Quinkan Aboriginal Relics Reserve).

Gold was first discovered in Chinky Gully by Fagan and Mossman who obtained 1.4kg in the first week. A party of Chinese prospectors got >1.3kg in a week and the Chinese took over the creek.

This was possibly the richest alluvial deposit worked on the Palmer; >10t of Au was produced (Clappison, 1940a). Much of the gold probably came from denudation of the basal conglomerate but some also came from auriferous veins in the Hodgkinson Formation.

Jack's 1896 map indicates that the alluvial workings extended all the way up Chinky Creek and its tributary gullies. The wash was up to 12m thick in places and comprised rounded fragments of schist (to 350mm diameter) and small angular quartz fragments.

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480110 **CHLOE PROSPECT**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 41.5 KM EAST OF FORSAYTH, 16KM SW OF EINASLEIGH, 245KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7660 FORSAYTH

Grid Reference: Zone 54 816020 mE 7939666 mN Latitude -18.6101 Longitude 143.9946 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Mount Misery
Little Mount Misery
Chloe West
Chloe East
Young Prospect

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
LEAD	SMALL	1000 - 100 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

BR 9176 Published in 2009 **CHLOE**

INDICATED MINERAL RESOURCE 2,200,000 tonnes Ore @

4.70 % ZINC	**FOR**	103,400 Tonnes ZINC
39.00 g/t SILVER	**FOR**	85,800 Kilograms SILVER
2.00 % LEAD	**FOR**	44,000 Tonnes LEAD
0.20 % COPPER	**FOR**	4,400 Tonnes COPPER

Comments/Cut Off Factor: 3% Zn equivalent and 4m minimum width.
2010 & 2012 figures were combined with Jackson in BR9578, no change seen -> kept seperate here

BR 9176 Published in 2009 **CHLOE**

INFERRED MINERAL RESOURCE 500,000 tonnes Ore @

6.90 % ZINC	**FOR**	34,500 Tonnes ZINC
32.00 g/t SILVER	**FOR**	16,000 Kilograms SILVER
2.10 % LEAD	**FOR**	10,500 Tonnes LEAD
0.30 % COPPER	**FOR**	1,500 Tonnes COPPER

Comments/Cut Off Factor: 3% Zn equivalent and 4m minimum mining width.
2010 & 2012 figures were combined with Jackson in BR9578, no change seen -> kept seperate here

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9176	2009	COPPER STRIKE LIMITED	POSITIVE FEASIBILITY RESULTS AT EINASLEIGH.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 JUNE 2009. COPPER STRIKE LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13072	100.00%	SNOW PEAK MINING PTY LTD
ML	30217	100.00%	SNOW PEAK MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Einasleigh Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (BROKEN HILL TYPE)
GENERAL OREBODY MODEL	SKARN

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

Drilling by Copper Strike Ltd has returned an intersection of 16m at 8.7% Zn+Pb and 54g/t Ag, including 6m at 9.7% Zn+Pb and 45g/t Ag and 6m at 11.9% Zn+Pb and 91g/t Ag.

The Chloe (Mount Misery) prospect consists of three separate gossanous bodies with a total length of 760m associated with complexly folded garnet and magnetite-bearing epidote quartzite.

The gossans are underlain by small stratiform base metal sulphide deposits containing coarse pyrrhotite, galena, sphalerite, chalcopyrite, magnetite and calcite.

Drilling at Chloe West intersected 11m at 5.0% Zn, 2.5% Pb and 77.7g/t Ag from 204m and 5m at 5.2% Zn, 2.5% Pb and 79.7g/t Ag from 84m.

In November 2006, Copper Strike announced that hole CH015 at Chloe East intersected 26m at 6.1% Zn, 2.9% Pb, 60.4g/t Ag and 0.2% Cu from 173m depth.

Drill intersections announced in September 2006 included 8m at 6.8% Zn, 2.3% Pb and 36g/t Ag from 101m and 6m at 4.1% Zn, 3.0% Pb and 94g/t Ag from 140m.

Drilling results announced in December 2006 for Chloe East included 11m at 5.6% Zn, 2.6% Pb and 50.4g/t Ag from 70m, 16m at 5.9% Zn, 1.4% Pb and 18.5g/t Ag from 20m, and 4m at 5.6% Zn, 5.0% Pb and 120.5g/t Ag from 94m.

A drillhole announced in May 2007 intersected 40m at 6.6% Zn, 2.8% Pb, 41g/t Ag and 0.3% Cu from 244m. Mineralisation was also intersected in holes at the adjacent Jackson and Young deposits.

Intersections announced in July 2008 included 42m at 6.2% Zn, 3.2% Pb, 0.2% Cu and 56g/t Ag from 210m, including 33m at 6.7% Zn, 3.6% Pb, 0.2% Cu and 56g/t Ag.

Web Page

http://www.kagara.com.au

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480871 **CIRSONS - MAIN VEIN**

ABANDONED MINE

Descriptive Location: 13.5KM NE OF GOOMERI

1:100 000 sheet Number and Name: 9345 GOOMERI

Grid Reference: Zone 56 417512 mE 7112344 mN Latitude -26.1057 Longitude 152.1750 Date Recorded: 6/May/2016

Other Names for Deposit / Mine

Wallace Shafts

Commodities	Size	Size Definition
MERCURY	SMALL	3 - 30 tonnes HG
ANTIMONY	VERY SMALL	<50 tonnes SB
COPPER	VERY SMALL	<500 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1936 to 31-Dec-1936 688 tonnes HARD ROCK ORE (OR REEF)

MERCURY 4,173.5 kilograms 0.61 percent

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Operating Mine Life: 1935 to 1943 The lode was discovered in 1931 and aquired by Circon's Cinnabar Mines Pty Ltd in 1934. It was worked sporadically until 1939 when it was taken over by Q.S.Mines Ltd. It was worked until about 1943.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
STOPING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ESK TROUGH	Neara Volcanics / MIDDLE TRIASSIC to MIDDLE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	HOT SPRING HG (SULPHUR BANK TYPE, SULPHUROUS TYPE)	

Mineralisation Age

ORE TRIASSIC

Comments

Lode samples collected by Shepherd in 1935 assayed 0.82 to 3.23% Hg and a trace to 1.0%Cu (BR 3726). Samples collected from the open cut by Denmead in 1945 assayed 1.2 to 1.8m at a trace to 0.06% Hg (BR 3589).

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501378 **CITATION**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 8.3KM NW OF MOUNT ISA

1:100 000 sheet Number and Name: 6756 MOUNT ISA

Grid Reference: Zone 54 336770 mE 7713195 mN Latitude -20.6735 Longitude 139.4329 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Easter Egg
Midnight
Lucky Boy

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Published Reserves/Resources

BR 9922 Published in 2012 **CITATION/MIGHTY GLARE**

INDICATED MINERAL RESOURCE 170,000 tonnes Ore @ 0.05 % URANIUM OXIDE **FOR** 79 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 300ppm U3O8
To 60m depth - U308; Using 2.9t/m3 for fresh and 2.64t/m3 for weathered material

BR 9922 Published in 2012 **CITATION/MIGHTY GLARE**

INFERRED MINERAL RESOURCE 340,000 tonnes Ore @ 0.05 % URANIUM OXIDE **FOR** 176 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 300ppm U3O8
Using 2.9t/m3 for fresh and 2.64t/m3 for weathered material

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9922	2012	DEEP YELLOW LIMITED	DEEP YELLOW LIMITED 2012 ANNUAL REPORT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 29 AUGUST 2012. DEEP YELLOW LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	12886	100.00%	MOUNT ISA MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SYBELLA DOMAIN	Alpha Centauri Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	STRATABOUND URANIUM-COPPER

Mineralisation Age

ORE PALAEOPROTEROZOIC

Comments

2012: Deep Yellow Ltd engaged in the process of divestment of its Australian assets in order to focus on its assets in Namibia. Limited work is conducted through to December 2012 to keep the tenements in good standing order.
Drilling reported in Deep Yellow Limited's 2010 Annual Report on the Citation Prospect intersected 16m @ 0.0564% U3O8 from 58m, 16m @ 0.0652 U3O8 from 55m and 12m @ 0.0421% U3O8 from 144m (BR 9532).

Web Page

www.deepyellow.com.au

Queensland Minerals

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38792 **CLARK'S MOONSTONE LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1.9 KM SW OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 421333 mE 7778393 mN Latitude -20.0898 Longitude 146.2476 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Clark'S Gold Mine
Moonstone Consols
Moonstone Extended Block
Smith'S Extended Shaft
Smith'S Moonstone Extended
Towers Moonstone Extended
Moonstone P.C.

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Period: 1-Jan-1886 to 31-Dec-1899 638 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 11.3 kilograms

Published Reserves/Resources

BR 10151 Published in 2012

CLARK'S MOONSTONE (C30)

INFERRED MINERAL RESOURCE 583,200 tonnes Ore @

13.50 g/t GOLD **FOR** 7,873 Kilograms GOLD

9.00 g/t SILVER **FOR** 5,248 Kilograms SILVER

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1897	to	1902	
1914	to	1924	

Mining Operations	Comments
SHAFTS	
INCLINED SHAFTS / DRIVES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15964	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL MESOTHERMAL VEINS/PIPE/STOCKWORK

DETAILED OREBODY MODEL MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Web Page

Queensland Minerals

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544725 **CLAY PITS**

ABANDONED MINE

Descriptive Location: 2.7KM SE OF BUNDABERG

1:100 000 sheet Number and Name: 9348 BUNDABERG

Grid Reference: Zone 56 435785 mE 7247650 mN Latitude -24.8848 Longitude 152.3642 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jan-1951 to 31-Dec-1965

BRICK CLAY	34,341.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1939	to	1965	THIS PIT WAS WORKED FOR VANDENBERGS BRICKWORKS FROM 1939 TO 1965 BUT PRODUCTION FIGURES ARE ONLY AVAILABLE FOR 1951 TO 1965.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ELLIOT BASIN	Elliott Formation / EOCENE to MIOCENE

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	TERTIARY

Comments

Old clay pit has now been filled in and is the site of a playground.

Web Page

Queensland Minerals

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507501 **CLAYWARE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 14.5KM N OF TOOWOOMBA.

1:100 000 sheet Number and Name: 9243 OAKEY

Grid Reference: Zone 56 397365 mE 6965409 mN Latitude -27.4308 Longitude 151.9616 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period:	1-Jul-1996	to	30-Jun-1997	
CLAY				31,121.0 tonnes
Period:	1-Jul-1997	to	30-Jun-1998	
CLAY				11,694.0 tonnes
Period:	1-Jul-1998	to	30-Jun-1999	
CLAY				12,883.0 tonnes
Period:	1-Jul-1999	to	30-Jun-2000	
CLAY				12,272.0 tonnes
Period:	1-Jul-2000	to	30-Jun-2001	
BRICK CLAY				6,136.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5960	100.00%	EVANS ROAD INVESTMENTS PTY LTD
ML	5963	100.00%	EVANS ROAD INVESTMENTS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DURICRUST	Td-QLD>Marburg Subgroup / TERTIARY to TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	TERTIARY

Comments

Web Page

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40960 **COALSTOUN LAKES PORPHYRY**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 24.6KM E OF GAYNDAH

1:100 000 sheet Number and Name: 9246 GAYNDAH

Grid Reference: Zone 56 384805 mE 7163475 mN Latitude -25.6418 Longitude 151.8525 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

Coalstoun
Dundar Prospect
Coalstoun Lakes Porphyry Copper Prospect
Coalstoun Lakes

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
MOLYBDENUM	VERY SMALL	<50 tonnes MO
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Published Reserves/Resources

BR 6430 Published in 2004

INFERRED MINERAL RESOURCE 85,580,000 tonnes Ore @ 0.29 % COPPER **FOR** 245,614 Tonnes COPPER

Resource not defined to JORC guidelines. Includes a near-surface, potentially acid-leachable supergene resource of 6.4Mt at 0.66% Cu.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6430	2004	METALLICA MINERALS LIMITED	METALLICA MINERALS LIMITED, PROSPECTUS.	METALLICA MINERALS LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14079	100.00%	ACTIVEX LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	
WANDILLA PROVINCE	Good Night beds / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU

Mineralisation Age

ORE	MIDDLE TRIASSIC to LATE TRIASSIC	Intrusives K-Ar dated at 235Ma.

Comments

The Coalstoun Lakes porphyry copper-gold system occurs where Middle Triassic diorite-monzonite porphyry stocks and large breccia pipes intrude altered metasediments of the Good Night Beds.
This sytem is at the intersection of the Perry Fault and the projected trend of the Darling Lineament, a major north-east-trending crustal structure.
Paragenesis: 1) early biotote alteration and stockwork veining with quartz-sericite-pyrite; 2) overprint of chlorite-carbonate alteration (?due to influx of meteoric water).

Web Page

www.newcrest.com.au

Queensland Minerals

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40967 **COBBLES**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 5.1KM N OF MARYBOROUGH

1:100 000 sheet Number and Name: 9447 PIALBA

Grid Reference: Zone 56 470725 mE 7180325 mN Latitude -25.4939 Longitude 152.7087 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Maryborough Clay 3

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jan-1958 to 31-Dec-1961

CLAY 4,165.6 tonnes

Period: 1-Jan-1964 to 31-Dec-1964

CLAY 3,682.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Operating Mine Life: 1936 to 1969 Worked by Maryborough Drainpipes Pty Ltd for clay for earthenware pipes and fittings. Production records are incomplete.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC SEDIMENTARY COVER	

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	QUATERNARY

Comments

The deposit consists of 2m of red and blue-grey mottled plastic clay, with minor ironstone pebbles, overlain by 0.5m of red soil overburden.

Web Page

www.marcotta.com.au

Queensland Minerals

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501296 **COBRA CENTRAL (MAIN DEPOSIT)**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 11KM SOUTH OF MARLBOROUGH, 170KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8852 MARLBOROUGH

Grid Reference: Zone 55 791277 mE 7458378 mN Latitude -22.9573 Longitude 149.8405 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Cobra'S Central Ml 5772
Mid Lease
Central Lease
Cobra'S South Slopeaway
Cobra'S Marlborough Nickel

Commodities	Size	Size Definition
CHRYSOPRASE	LARGE	>100 tonnes CHRY
COBALT	MEDIUM	1 000 - 20 000 tonnes CO
NICKEL	SMALL	250 - 25 000 tonnes NI

Production Details

Published Reserves/Resources

BR 6048 Published in 1998 **CHYRSOPRASE**

INFERRED MINERAL RESOURCE

233 Tonnes CHRYSOPRASE

BR 6048 Published in 1998 **COBRA CENTRAL**

INFERRED MINERAL RESOURCE 928,000 tonnes Ore @

0.60 % NICKEL **FOR** 5,568 Tonnes NICKEL

0.17 % COBALT **FOR** 1,577 Tonnes COBALT

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6048	1998	COBRA RESOURCES NL	ANNUAL REPORT 1998	

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5772	100.00%	MARLBOROUGH NICKEL PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARLBOROUGH PROVINCE	Princhester Serpentinite / NEOPROTEROZOIC to EARLY PALAEOZOIC

Deposit Model

GENERAL OREBODY MODEL RESIDUAL DEPOSIT

DETAILED OREBODY MODEL LATERITIC NICKEL

Mineralisation Age

ORE CENOZOIC

Comments

Chrysoprase has been produced locally since the mid 1960s. It commonly occurs as boudins in the clay-serpentinite shears above the basal magnesite-bearing shear. The chrysoprase intersected by drilling varies from pale to rich dark green colour.

Web Page

www.candalachrysoprase.com

Queensland Minerals

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493556 **COBRA'S CAMP ML 5780**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 15KM SOUTH OF MARLBOROUGH, 170KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8852 MARLBOROUGH

Grid Reference: Zone 55 790520 mE 7459039 mN Latitude -22.9515 Longitude 149.8330 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Cobra'S Marlborough Nickel Project
Cobra'S South Slopeaway
Intrepid Mining
Cobra North Pit

Commodities	Size	Size Definition
CHRYSOPRASE	MEDIUM	10 - 100 tonnes CHRY
NICKEL	MEDIUM	25 000 - 500 000 tonnes NI
COBALT	SMALL	10 - 1 000 tonnes CO

Production Details

Published Reserves/Resources

BR 6048 Published in 1998 **BHP-INCO DRILLING**

INFERRED MINERAL RESOURCE 20,000,000 tonnes Ore @
1.00 % NICKEL **FOR** 200,000 Tonnes NICKEL

Comments/Cut Off Factor: 1-1.2% Ni equivalent cutoff.

BR 6048 Published in 1998 **CHRYSOPRASE**

INFERRED MINERAL RESOURCE
50 Tonnes CHRYSOPRASE

Comments/Cut Off Factor: This resource is open along strike.

BR 6048 Published in 1998 **SOUTHERN SECTION OF ML 5780**

INFERRED MINERAL RESOURCE 545,000 tonnes Ore @
0.90 % NICKEL **FOR** 4,905 Tonnes NICKEL
0.04 % COBALT **FOR** 218 Tonnes COBALT

Comments/Cut Off Factor: 0.90%Ni and 0.04%Co or a nickel equivalent grade of 1.10% cutoff.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6048	1998	COBRA RESOURCES NL	ANNUAL REPORT 1998	

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5780	100.00%	MARLBOROUGH NICKEL PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARLBOROUGH PROVINCE	Princhester Serpentinite / NEOPROTEROZOIC to EARLY PALAEOZOIC

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC NICKEL

Mineralisation Age

ORE	CENOZOIC

Comments

Chrysoprase has been produced locally from the mid 1960s. It commonly occurs as boudins in the clay-serpentinite shears above the basal magnesite-bearing shear. The chrysoprase intersected by drilling varies from pale to a rich dark green colour.

Web Page

www.candalachrysoprase.com

Queensland Minerals

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491772 **COBRA'S SOUTHERN ML 7577**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 17 KM SOUTH OF MARLBOROUGH, 165KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8852 MARLBOROUGH

Grid Reference: Zone 55 792413 mE 7456662 mN Latitude -22.9726 Longitude 149.8519 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Kajar
Cobras Marlborough Crysoprase
Cobra South Pit

Commodities	Size	Size Definition
CHRYSOPRASE	MEDIUM	10 - 100 tonnes CHRY

Production Details

Published Reserves/Resources

BR 6048 Published in 1998

NORTHWEST CORNER OF ML 7577

INFERRED MINERAL RESOURCE

32 Tonnes CHRYSOPRASE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6048	1998	COBRA RESOURCES NL	ANNUAL REPORT 1998	

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	7577	100.00%	MARLBOROUGH NICKEL PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARLBOROUGH PROVINCE	Princhester Serpentinite / NEOPROTEROZOIC to EARLY PALAEOZOIC

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC NICKEL

Mineralisation Age

ORE	CENOZOIC

Comments

Chrysoprase has been produced locally from the mid-1960s. It commonly occurs as boudins in the clay-serpentinite shears above the basal magnesite-bearing shear. The chrysoprase intersected by drilling varies from pale to a rich dark green colour.
This pit is east of and downslope from the chrysoprase mining operations at Gumigil. It was previously operated by Kajar Pty Ltd and is now owned by Candala Pty Ltd.

Web Page

www.candalachrysoprase.com

Queensland Minerals

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478956 **COCKIE CREEK COPPER PROSPECT**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 29.2 KM S OF CONJUBOY HOMESTEAD.

1:100 000 sheet Number and Name: 7860 CONJUBOY

Grid Reference: Zone 55 267400 mE 7904300 mN Latitude -18.9404 Longitude 144.7913 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Cockie
Cockie Well
Cockie Spring Creek
Cockie East
Cockie Prospect

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
MOLYBDENUM	VERY SMALL	<50 tonnes MO

Production Details

Published Reserves/Resources

BR 10172 Published in 2013

COCKIE CREEK

INFERRED MINERAL RESOURCE 13,000,000 tonnes Ore @ 0.42 % COPPER **FOR** 54,600 Tonnes COPPER

Comments/Cut Off Factor: 0.25% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10172	2013	SUPERIOR RESOURCES LIMITED	COCKIE CREEK COPPER PROSPECT INFERRED RESOURCE	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 27 MARCH 2013. SUPERIOR RESOURCES LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	18987	100.00%	SUPERIOR RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
THALANGA PROVINCE	Lugano Metamorphics / LATE CAMBRIAN to ORDOVICIAN
MACROSSAN IGNEOUS ASSOCIATION	Cockie Spring Tonalite / EARLY ORDOVICIAN to EARLY ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY INTRUSION-RELATED QUARTZ VEINS & STOCKWORKS

Mineralisation Age

ORE

Comments

Superior Resources Limited have defined an inferred resource at the Cockie Creek Copper Prospect based on previous drilling. They have an application for an EPM over the area (EPMA 18987).

Web Page

www.superiorresources.com.au

Queensland Minerals

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38234 **COCONUT POD**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 38.1KM NORTH OF AURUKUN MISSION, 560KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7271 AURUKUN

Grid Reference: Zone 54 583122 mE 8561166 mN Latitude -13.0142 Longitude 141.7665 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Aurukun Bauxite Project

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

Company Report 11482 Published in 1983

INFERRED MINERAL RESOURCE 84,000,000 tonnes Ore @
84,000,000 Tonnes BAUXITE

Comments/Cut Off Factor: Grading 54.4% total alumina and 7% reactive silica.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

In early 2004, the Queensland Government cancelled the lease due to the long period of inaction. Restricted Area 315 was gazetted to protect the deposits and the development of the deposits was put out to tender.
At the same time, the Government commissioned a study into the available resources, including a significant amount of additional drilling. The results of this study are not publically available.
The Chinese company CHALCO won the right to submit a final proposal for development in 2006. A definitive 2 year feasibility study included an investment of $3 billion in a 4.8Mt per annum bauxite mine and alumina refinery. CHALCO pulled out later.
Since CHALCO pulled out the Aurukun bauxite resource has returned to Qld Government control and a developer for the bauxite deposit is being sought through a competitive expression of interest process in 2013.
The Coconut Pod area is on a flat ridge between Coconut and Norman Creeks. Strata dip gently towards the south-west.
Exploration by Tipperary Land and Exploration Corporation in 1968 to 1974 indicated a resource of 44/4Mt of bauxite grading 10% reactive silica and 50% alumina.
Aluminium Pechiney Holdings Pty Ltd was granted ML 7032 (SBML 9) in 1975 and carried out additional exploration, including a feasibility study.
The Coconut Pod deposit, with 84Mt at 54.4% total alumina and 7% reactive silica, was considered to have the best potential for economic development. Alcan acquired the lease in 2004.

Web Page

www.coordinatorgeneral.qld.gov.au;

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44635 **COLLINGWOOD**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 35 KM S OF COOKTOWN, 125KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7966 HELENVALE

Grid Reference: Zone 55 313015 mE 8256170 mN Latitude -15.7660 Longitude 145.2546 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Collingwood Prospect

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Period: 1-Jul-2005 to 30-Jun-2006 45,376 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 430.7 tonnes

Period: 1-Jul-2006 to 30-Jun-2007

CASSITERITE 3,239.8 tonnes

Period: 1-Jul-2007 to 30-Jun-2008

CASSITERITE 2,848.0 tonnes

Published Reserves/Resources

BR 9319 Published in 2009 **COLLINGWOOD**

INDICATED MINERAL RESOURCE 269,000 tonnes Ore @ 1.34 % TIN **FOR** 3,604 Tonnes TIN

BR 9319 Published in 2009 **COLLINGWOOD**

INFERRED MINERAL RESOURCE 346,000 tonnes Ore @ 1.06 % TIN **FOR** 3,667 Tonnes TIN

BR 9319 Published in 2009 **COLLINGWOOD**

MEASURED MINERAL RESOURCE 28,000 tonnes Ore @ 1.39 % TIN **FOR** 389 Tonnes TIN

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9319	2009	METALS X LIMITED	ANNUAL REPORT 2009.	METALS X LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments
2004		Bluestone Tin reopened mine workings. Comcentrate sales commenced late 2005 at a rate of around 3600tpa. Plant construction and mining started April 2005, plant can treat 400,000 tpa.
2005		Operating costs for the project have been put at $US2.20 ($A2.96) per pound of tin, which equates to about $4850 per tonne.

Operating Mine Life: 2005 to 2011 First production planned for Dec 2005. A 3 to 5 year mine life producing 5000 tpa of 60% tin conc (as at Feb 2006). Resource exist for a further 4 years of mine life.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
ADITS	Two spiral declines constructed within orebody.
STOPING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	2796	100.00%	BLUESTONE NOMINEES PTY LTD
ML	3065	100.00%	BLUESTONE NOMINEES PTY LTD
ML	3066	100.00%	BLUESTONE NOMINEES PTY LTD
ML	3067	100.00%	BLUESTONE NOMINEES PTY LTD
ML	3068	100.00%	BLUESTONE NOMINEES PTY LTD
ML	3069	100.00%	BLUESTONE NOMINEES PTY LTD
ML	3070	100.00%	BLUESTONE NOMINEES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Collingwood Granite / EARLY PERMIAN to EARLY PERMIAN

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Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	GREISEN

Mineralisation Age

ORE	LATE PERMIAN

Comments

Three types of endogranitic tin mineralisation have been recognised at Collingwood: steep siliceous sheeted veins, albitic veins and flat lying greisen. The flat lying reefs are not present in the current resource and were mined via slucing in the 1900's.
The majority of cassiterite is associated with en-echelon zones of siliceous, sheeted quartz-tourmaline and greisen veins. Alteration minerals include secondary quartz, muscovite (sericite), green biotite and tourmaline.
Bluestone Tin commenced mining the Collingwood deposit in late 2005 and the first concentrate was shipped in February 2006. The mine reached full production mode (3000t p.a.) in September 2006, following problems with completion of the primary vent shaft.
The Collingwood mine was put under care and maintenance as of May 2008.

Web Page

www.metalsx.com.au

Queensland Minerals

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39400 **COLMER POINT**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 36.7 KM ENE OF COEN, SOUTH OF CAPE SIDMOUTH, 390KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7570 COEN

Grid Reference: Zone 54 769620 mE 8475666 mN Latitude -13.7758 Longitude 143.4936 Date Recorded: 17/February/2017

Other Names for Deposit / Mine

Colmer Mineral Sands Project

Commodities	Size	Size Definition
RUTILE	MEDIUM	200 000 - 500 000 tonnes RUT
ILMENITE	SMALL	5 000 - 5 000 000 tonnes IM
ZIRCON	LARGE	>1 000 000 tonnes ZIR
SILICA SAND	LARGE	>2 500 000 tonnes SIS

Production Details

Published Reserves/Resources

Company Report 22088 Published in 1990 **COLMER DUNE SYSTEM HY MINS**

INFERRED MINERAL RESOURCE 600,000,000 tonnes Ore @

0.68 % ILMENITE **FOR** 4,080,000 Tonnes ILMENITE

0.17 % ZIRCON **FOR** 1,020,000 Tonnes ZIRCON

0.06 % RUTILE **FOR** 360,000 Tonnes RUTILE

Average for all heavy minerals was 1.15%.

Company Report 17589 Published in 1987 **COLMER DUNE SYSTEM SILICA**

INFERRED MINERAL RESOURCE 192,000,000 tonnes Ore @

192,000,000 Tonnes SILICA SAND

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT HEAVY MINERALS
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	CENOZOIC

Comments

Palaeodune and beach ridge deposits occur at up to 100m above sea level in this area. They comprise white, medium-grained, well-sorted to moderately well-sorted and rounded to angular quartzose sands that may be pure enough for glass making.

The potential sand resource is large. Alberta Mines NL investigated the dunes for their silica sand potential. Peko-Wallsend Operations Ltd investigated the heavy mineral sand potential of the deposits.

The Colmer Point dune system is now within Restricted Area 240 - Future Land Use Planning, McIlwraith Range.

Web Page

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

39692 **COLUMBIA EXTENDED**

ABANDONED MINE

Descriptive Location: 1.7 KM E OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468012 mE 7103472 mN Latitude -26.1878 Longitude 152.6799 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Gympie Eastern Gold Mines

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1897 to 31-Dec-1921 17,800 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 723.1 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

In 1915-1916, the Columbia Extended Gold Mining Co transferred its operations to the Victory No.1 N shaft to access the northern part of its lease. This work was apparently unsuccessful in locating payable reefs. The main workings were at the 447 m level.

This mine was intially the 'Gympie Eastern Gold Mines' (GML's 1002 and 1003). The main reefs worked were the No.1 reef and the Flat reef.

Web Page

www.bukagold.com.au

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

39695 **COLUMBIA SMITHFIELD**

ABANDONED MINE

Descriptive Location: 1.9 KM ESE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467889 mE 7102199 mN Latitude -26.1993 Longitude 152.6786 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1895 to 31-Dec-1922 41,300 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,536.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

This shaft was sunk in 1895 to work the ground to the north of the Smithfield crosscourse in the 'Columbia Smithfield' lease. The rocks in this area have been downthrown about 160m by a fault that strikes 074 degrees and dips 50 degrees north.
The reefs worked included the Columbia and Smithfield reefs, with the bulk of the production apparently coming from the Columbia reef.
More than 250kg of gold was produced annually during the most productive years (1896-1898).

Web Page

www.bukagold.com.au

Queensland Minerals

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39697 COLUMBIA SMITHFIELD, NO.1 NORTH

ABANDONED MINE

Descriptive Location: 1.9 KM ESE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468032 mE 7102420 mN Latitude -26.1973 Longitude 152.6800 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1897 to 31-Dec-1922 42,300 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 864.2 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

The reefs worked were the Columbia, No.1, No.2, Andesite, Western or Slide, and Carlyon. The reefs were worked in the 'first and second beds of slate', with most gold occurring where 'slate floors' were in contact with the reefs.
The main producing reefs were the Western (Slide) and No.1 reefs; most production came from between the 297m and 381m levels.
Production ceased owing to water inundation despite 'good results' at the 38 m level (ARDM,1922).
The workings connect with the 'Smithfield, No.1 North' and the 'Columbia Consolidated'.

Web Page

www.bukagold.com.au

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

39698 **COLUMBIA SMITHFIELD, NO.2 NORTH**

ABANDONED MINE

Descriptive Location: 1.7 KM ESE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467992 mE 7102863 mN Latitude -26.1933 Longitude 152.6796 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1898 to 31-Dec-1921 18,200 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 936.4 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

A number of reefs were worked, including the Columbia, Flat, Eastern, Western and Nos 1, 2 and 3. A fault cuts the reefs to the north of the shaft, and results of prospecting in that area were poor.

The gold-bearing quartz veins were commonly hosted by conglomerate with 'plumbago floors'.

Web Page

www.bukagold.com.au

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

39701 **COLUMBIA, NO.3 NORTH**

ABANDONED MINE

Descriptive Location: 1.9 KM E OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468217 mE 7103210 mN Latitude -26.1901 Longitude 152.6819 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1908 to 31-Dec-1920 32,500 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 704.1 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

The area proved to be structurally complex, and although a third bed of potentially favourable host rock was found at depth, very little gold was produced before the mine closed in 1920.

Shaft sinking commenced in 1908. In 1910, a large body of ore was found hosted by slate. At the time, this lode was the most easterly being worked north of the Smithfield Crosscourse (ARDM,1910).

Most production came from the "No.1 slide" (a strike fault) between the 488m and 518m levels, 'below the truncated second series of slates' (Ball,1920). Subsequent exploration was directed towards locating these slates on the downthrow side of the fault.

Web Page

www.bukagold.com.au

Queensland Minerals

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38242 **COM AREA**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 19.0KM SSW OF WEIPA AIRSTRIP, 565KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7272 WEIPA

Grid Reference: Zone 54 595122 mE 8579667 mN Latitude -12.8466 Longitude 141.8766 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

North Coconut Project

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

Company Report 4557 Published in 1973

INFERRED MINERAL RESOURCE

5,100,000 Tonnes BAUXITE

Comments/Cut Off Factor: Unknown grade.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15269	100.00%	CAPE ALUMINA PTY LTD
ML	7024	100.00%	RTA WEIPA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

Cape Alumina Pty Ltd, a 50%-owned subsidiary of Metallica Minerals Ltd, has applied for EPM 15269, which include the COM area.
Austral Pacific Mining Corporation Ltd drilled 11 holes in the COM area. The pisolitic bauxite layer averaged 2m in depth.
Austral Pacific estimated the inferred resource to be 5.1Mt of bauxite, but only 0.2Mt of exportable bauxite would be available after beneficiation. part of this resource is within Comalco's ML 7024.

Web Page

www.capealumina.com.au; www.metallicaminerals.com.au; www.comalco.com.au

Queensland Minerals

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36133 **COMENO**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 8.2KM WEST OF IRVINEBANK, 80KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 300914 mE 8072619 mN Latitude -17.4234 Longitude 145.1257 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
LEAD	VERY SMALL	<1000 tonnes PB
COPPER	VERY SMALL	<500 tonnes CU
TIN	VERY SMALL	<100 tonnes SN
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Published Reserves/Resources

Company Report 22145 Published in 1981 **COMENO**

INFERRED MINERAL RESOURCE 23,400 tonnes Ore @

136.50 ppm SILVER	**FOR**	3,194 Kilograms SILVER
6.95 % ZINC	**FOR**	1,626 Tonnes ZINC
1.90 % LEAD	**FOR**	445 Tonnes LEAD
0.54 % ARSENIC	**FOR**	126 Tonnes ARSENIC
0.45 % COPPER	**FOR**	105 Tonnes COPPER
0.37 % CASSITERITE	**FOR**	87 Tonnes CASSITERITE

Comments/Cut Off Factor: Not a well defined resource.
Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	
ADITS	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14016	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	POLYMETALLIC AG-PB-ZN VEINS (FELSIC INTRUSION RELATED)

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

Highly silicified shear zone with quartz veining. Quartz textures include breccia, cockade. comb and crustification.

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Queensland Minerals

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480874 **COMMOTION**

ABANDONED MINE

Descriptive Location: 16KM NE OF GOOMERI

1:100 000 sheet Number and Name: 9345 GOOMERI

Grid Reference: Zone 56 418069 mE 7115155 mN Latitude -26.0803 Longitude 152.1808 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Central Shaft

Commodities	Size	Size Definition
MERCURY	SMALL	3 - 30 tonnes HG

Production Details

Period:	1-Jan-1891	to	31-Dec-1891	28 tonnes HARD ROCK ORE (OR REEF)	
MERCURY				1,520.0 kilograms	5.30 percent
Period:	1-Jan-1931	to	31-Dec-1932	17 tonnes HARD ROCK ORE (OR REEF)	
MERCURY				1,220.1 kilograms	7.00 percent
Period:	1-Jan-1940	to	31-Dec-1943	110 tonnes HARD ROCK ORE (OR REEF)	
MERCURY				2,369.6 kilograms	2.15 percent
Period:	1-Jan-1944	to	31-Dec-1945		
MERCURY				508.5 kilograms	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1873	to	1876	D MacTaggart and party applied for MF 2447 in 1873. An option from an Austrian firm fell through and MacTaggart and party treated ore at Hester's works in Cinnabar from 1874 to 1876.
1887	to	1892	Prospecting work carried out. Arrangements were made with Hester brothers to retort ore but operations were unprofitable. W H Hester took over MF 2447 in 1892.
1931	to	1945	Held by Queensland Quicksilver Ltd and worked 1930 to 1936 and 1940 to 1945.

Mining Operations	Comments
SHAFTS	Main shaft fenced off.
ADITS	
STOPING	
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NORTH D'AGUILAR SUBPROVINCE	Coppermine Creek Granodiorite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	HOT SPRING HG (SULPHUR BANK TYPE, SULPHUROUS TYPE)	
GENERAL OREBODY MODEL	ALLUVIAL PLACER	
DETAILED OREBODY MODEL	ALLUVIAL CINNABAR (HG)	

Mineralisation Age

ORE	TRIASSIC

Comments

This deposit was first reported on by Rands (1892) as containing very rich patches of high grade ore, such as up to 50% Hg in bunches up to 0.15 m wide. Denmead (1945) reported on this deposit as part of MF 2447 (Queensland Quicksilver Ltd).

This company carried out lode mining here from 1930 to 1933 and again from 1940 to 1945. The cinnabar-bearing veins are usually short, narrow and irregular.

Veins range from very narrow to 0.2m wide. In the wider veins, rich ore occurs as lenses to 0.075m wide. Tetrahedrite and native mercury are both associated with cinnabar but are extremely rare. Cinnabar occurs as veins of pure mineral in the richer ore.

Web Page

480857 COMMOTION ALLUVIAL AND ELUVIAL CINNABAR

ABANDONED MINE

Descriptive Location: 16KM NE OF GOOMERI, 160KM NORTH OF BRISBANE.

1:100 000 sheet Number and Name: 9345 GOOMERI

Grid Reference: Zone 56 418264 mE 7115183 mN Latitude -26.0801 Longitude 152.1827 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
MERCURY	MEDIUM	30 - 20 000 tonnes HG

Production Details

Period: 1-Jan-1936 to 31-Dec-1936

MERCURY	579.7 kilograms

Published Reserves/Resources

BR 1932 Published in 1932

INFERRED MINERAL RESOURCE 611,644 cubic metres Ore @ 454.00 g/m*3 MERCURY **FOR** 277,686 Kilograms MERCURY

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 1932	1932	ARDM	ANNUAL REPORT OF THE UNDER SECRETARY FOR MINES FOR THE YEAR 1932.	DEPARTMENT OF MINES, QUEENSLAND, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1891	to	1892	D Mactaggart discovered alluvial cinnabar in the flats leading down from the Commotion mine in 1891. Three shafts were excavated to depths of 12.2m.
1932	to	1935	Queensland Quicksilver carried out extensive prospecting on DC 4317, including boring and the sinking of 14 shafts. Sluicing plant erected in 1933. Sluicing proved unprofitable due to overburden depths.
1936	to	1936	Mining from shafts commenced in 1936. The workings made too much water.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
DREDGING	
GULLY RAKING / SLUICING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL CINNABAR (HG)

Mineralisation Age

ORE	CENOZOIC

Comments

The deposit occurs over a buried intrusive body. It has been examined by Navaho Mining Pty Ltd as an analogue for porphyry style systems in the area although mercury is not being sought as a mineable commodity.

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Queensland Minerals

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494126 **CONSTANCE RANGE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 52 KM WEST-NORTH-WEST OF CENTURY MINE, 250KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6560 MUSSELBROOK

Grid Reference: Zone 54 197011 mE 7940242 mN Latitude -18.6068 Longitude 138.1289 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Deposit A
Hematite Hill Iron Ore Project
Constance Range - Deposit A

Commodities	Size	Size Definition
IRON	LARGE	>100 000 000 tonnes FE

Production Details

Published Reserves/Resources

BR 9659 Published in 2010

DEPOSIT A

INFERRED MINERAL RESOURCE 236,370,000 tonnes Ore @ 53.20 % IRON **FOR** 125,748,840 Tonnes IRON

Comments/Cut Off Factor: 49% Fe cut-off grade
53.2% Fe and 10.33% SiO2. This is the total resource excluding mineralisation within the National Park.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9659	2010	KIMBERLEY METALS LIMITED	ANNUAL REPORT 2010	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 21 OCTOBER 2010. KIMBERLEY METALS LIMITED, NORTH SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14479	70.00%	QLD IRON LIMITED
EPM	14479	30.00%	KBL MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Train Range Ironstone Member / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY IRON FORMATION (SUPERIOR TYPE FE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

These resources are within the Lawn Hill (Little Range) Resource Reserve.

Web Page

www.kimberleymetals.com.au

Queensland Minerals

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479061 **CONTENT**

ABANDONED MINE

Descriptive Location: 4.3 KM NNW OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 628951 mE 7990294 mN Latitude -18.1725 Longitude 142.2192 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1887 to 31-Dec-1918 34,955 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	2,034.2 kilograms	58.19 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 5248	100.00%	BARRICK (KALGOORLIE) LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

More than 90% of the historical production came from Cuthbert's Content Block (Reid, 1935). The lode was cut off down-dip by a fault and is probably the northwestern continuation of the Lady Isabelle reef. Argosy Gold Mines N.L. drilled a number of holes along the lode. The best prospect was a 150m strike length zone in the area of the old Content South workings. The 1 to3 m thick reef here gave an average intersection of 2.9m at 3.66g/t Au. Pancontinental Mining Ltd calculated the indicated resource in this area as 92 700t at 7.04g/t Au and 7g/t Ag. This resource was mined in the Content Open Cut. The mullock from the old Content Block shafts has been removed, probably for processing through Barrack Mines Ltd's Croydon plant.

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Queensland Minerals

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40299 **COOLOOLA**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 50.5KM ENE OF GYMPIE P.O., 145KM NNW OF BRISBANE.

1:100 000 sheet Number and Name: 9545 LAGUNA BAY

Grid Reference: Zone 56 513805 mE 7120175 mN Latitude -26.0372 Longitude 153.1380 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Unnamed A

Commodities	Size	Size Definition
ILMENITE	MEDIUM	5 000 000 - 10 000 000 tonnes IM
ZIRCON	MEDIUM	500 000 - 1 000 000 tonnes ZIR

Production Details

Period: 1-Jan-1956 to 31-Dec-1977

RUTILE	62,500.0 tonnes
ZIRCON	78,700.0 tonnes
ILMENITE	2,500.0 tonnes
MONAZITE	110.0 tonnes

Published Reserves/Resources

BR 2332 Published in 1987

INFERRED MINERAL RESOURCE

3,000,000 Tonnes MINERAL SAND

Containing ilmenite, rutile and zircon of unknown grade.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 2332	1987	O'FLYNN, M.L., & KROSCH, N.J.	INDUSTRIAL ROCKS AND MINERALS OF THE GYMPIE DISTRICT.	IN, 1987 FIELD CONFERENCE, GYMPIE DISTRICT. GEOLOGICAL SOCIETY OF AUSTRALIA, QUEENSLAND DIVISION, BRISBANE, 119-129.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
DREDGING	
SURFACE MINING METHODS	

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT HEAVY MINERALS

Mineralisation Age

ORE CENOZOIC

Comments

Heavy mineral sand concentrations occur in beach, beach ridge, barrier dune and high dune deposits.

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544727 **COONARR CREEK**

CARE AND MAINTENANCE

Descriptive Location: 18.6KM SE OF BUNDABERG, SOUTH OF COONARR CREEK DELTA

1:100 000 sheet Number and Name: 9348 BUNDABERG

Grid Reference: Zone 56 448313 mE 7237548 mN Latitude -24.9765 Longitude 152.4879 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Coonarr

Commodities	Size	Size Definition
SILICA SAND	LARGE	>2 500 000 tonnes SIS

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SURFACE MINING METHODS	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1182	100.00%	EARTH COMMODITIES BUNDABERG PTY LTD
ML	1183	100.00%	EARTH COMMODITIES BUNDABERG PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	QUATERNARY

Comments

Two pits were opened in the 1987s to test suitability for glass manufacture but no production has been recorded.

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493701 **COONARR CREEK NO.1**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 20.4KM SE OF BUNDABERG, NEAR COONARR CREEK

1:100 000 sheet Number and Name: 9348 BUNDABERG

Grid Reference: Zone 56 449079 mE 7235151 mN Latitude -24.9982 Longitude 152.4954 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Coonar Creek 1

Commodities	Size	Size Definition
FOUNDRY SAND	SMALL	1 000 - 1 000 000 tonnes SF
SILICA SAND	SMALL	1 000 - 1 000 000 tonnes SIS

Production Details

Period:	1-Jan-1969	to	31-Dec-1976	
FOUNDRY SAND				69,334.0 tonnes
Period:	1-Jul-1997	to	30-Jun-1998	
FOUNDRY SAND				1,112.0 tonnes
Period:	1-Jul-1998	to	30-Jun-1999	
FOUNDRY SAND				5,318.0 tonnes
Period:	1-Jul-1999	to	30-Jun-2000	
FOUNDRY SAND				732.0 tonnes
Period:	1-Jul-2000	to	30-Jun-2001	
FOUNDRY SAND				451.8 tonnes
Period:	1-Jul-2001	to	30-Jun-2002	
FOUNDRY SAND				2,092.5 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SURFACE MINING METHODS	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1178	100.00%	TALL METALS PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	PLEISTOCENE	Sand.

Comments

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544726 **COONARR CREEK NO.2**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 19.8KM SE OF BUNDABERG

1:100 000 sheet Number and Name: 9348 BUNDABERG

Grid Reference: Zone 56 448613 mE 7236246 mN Latitude -24.9883 Longitude 152.4908 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
FOUNDRY SAND	MEDIUM	1 000 000 - 2 500 000 tonnes SF
SILICA SAND	MEDIUM	1 000 000 - 2 500 000 tonnes SIS

Production Details

Period: 1-Jan-1977 to 31-Dec-1981 5,100 tonnes SANDS (MARINE OR DUNE)

FOUNDRY SAND 5,100.0 tonnes

Period: 1-Jul-1996 to 30-Jun-1997 2,055 tonnes SANDS (MARINE OR DUNE)

FOUNDRY SAND 2,055.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SURFACE MINING METHODS	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1181	100.00%	TALL METALS PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE QUATERNARY

Comments

ML 1181 last produced silica sand from modern coastal deposits in 1997.

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507629 **COOROY**

ABANDONED MINE

Descriptive Location: 3.6KM N OF COOROY

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 491979 mE 7082555 mN Latitude -26.3770 Longitude 152.9196 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	MEDIUM	200 000 - 20 000 000 tonnes BKCY

Production Details

Period: 1-Jul-2001 to 30-Jun-2009

BRICK CLAY	413,009.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-SEQ / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	CENOZOIC

Comments

The Cooroy Brickworks closed in July 2010.

Web Page

www.csr.com.au

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481750 **COPPER KNOB**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1.3 KM N OF RAVENSWOOD

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 488329 mE 7778688 mN Latitude -20.0887 Longitude 146.8884 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Southern Speculator
North Shelmalier
B.B. Extended
B.B. Extended No 1 South
Shelmalier No.1 N

Commodities	Size	Size Definition
SILVER	SMALL	5 - 500 tonnes AG
ZINC	SMALL	200 - 200 000 tonnes ZN
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1906 to 1-Jan-1920 305 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	5.2 kilograms

Period: 1-Jan-1943 to 31-Dec-1943 31 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	0.1 kilograms
SILVER		0.9 kilograms
COPPER	METAL	3.3 tonnes

Published Reserves/Resources

BR 6171 Published in 1999 **COPPER KNOB**

INDICATED MINERAL RESOURCE 960,000 tonnes Ore @

3.10 g/t SILVER	**FOR**	2,976 Kilograms SILVER
0.24 % ZINC	**FOR**	2,304 Tonnes ZINC
0.08 % COPPER	**FOR**	768 Tonnes COPPER
0.74 g/t GOLD	**FOR**	710 Kilograms GOLD

Comments/Cut Off Factor: 0.3 g/t Au

BR 6171 Published in 1999 **COPPER KNOB**

INFERRED MINERAL RESOURCE 580,000 tonnes Ore @

2.80 g/t SILVER	**FOR**	1,624 Kilograms SILVER
0.18 % ZINC	**FOR**	1,044 Tonnes ZINC
0.09 % COPPER	**FOR**	522 Tonnes COPPER
0.74 g/t GOLD	**FOR**	429 Kilograms GOLD

Comments/Cut Off Factor: 0.3 g/t Au

BR 6171 Published in 1999 **COPPER KNOB**

MEASURED MINERAL RESOURCE 620,000 tonnes Ore @

7.60 g/t SILVER	**FOR**	4,712 Kilograms SILVER
0.19 % COPPER	**FOR**	1,178 Tonnes COPPER
0.16 % ZINC	**FOR**	992 Tonnes ZINC
1.04 g/t GOLD	**FOR**	644 Kilograms GOLD

Comments/Cut Off Factor: 0.3 g/t Au

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6171	1999	HAOMA MINING NL	HAOMA MINING NL 1999 ANNUAL REPORT	

Major Mining Related Events

Year Commenced		Year Completed	Comments
1898	to	1898	Maclaren (1900) mentions the Southern Speculator is abandoned by 1900.

Mining Operations	Comments
PITS	Large test pits were dug for bulk sampling
TRENCHES	
SHAFTS	has been excavated into a large pit.

Tenure Type/Number		SHARE	Company Name/Surname
ML	1330	100.00%	KITCHENER MINING NL

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Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Jessop Creek Tonalite / LATE SILURIAN to LATE SILURIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	CARBONIFEROUS

Comments

Haoma Mining NL are currently planning a feasibilty study on their leases in the Ravenswood area.

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588113 **CORONATION**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: ~3KM W OF CRACOW, ~175KM SE OF GLADSTONE.

1:100 000 sheet Number and Name: 8947 CRACOW

Grid Reference: Zone 56 224422 mE 7201158 mN Latitude -25.2806 Longitude 150.2635 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Cracow Gold Mine Group

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
AUBURN SUBPROVINCE	Camboon Volcanics / LATE CARBONIFEROUS to EARLY PERMIAN

Deposit Model

Mineralisation Age

ORE	EARLY PERMIAN

Comments

Drilling to the south of the Kilkenny resource in 2008 resulted in the discovery of a new zone of high-grade gold mineralisation.
Resource definition drilling produced encouraging results from the Roses Pride and Empire structures.

Web Page

www.evolutionmining.com.au

Queensland Minerals

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490587 **CRACKLING ROSIE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: MINES ARE ON THE HIGH SIDE OF AN ESCARPMENT TRENDING WEST ON THE COOPER RANGE.

1:100 000 sheet Number and Name: 8949 BANANA

Grid Reference: Zone 56 206743 mE 7316059 mN Latitude -24.2409 Longitude 150.1122 Date Recorded: 20/February/2017

Other Names for Deposit / Mine

Rannes Project

Location D

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source
BR 10038	2012	SOLGOLD PLC	RANNES RESOURCE ESTIMATE UPDATE	REPORT TO THE AUSTRALIAN STOCK EXCHANGE. 23 MAY 2012, SOLGOLD PLC

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
AUBURN SUBPROVINCE	Camboon Volcanics / LATE CARBONIFEROUS to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL

Mineralisation Age

ORE	MESOZOIC

Comments

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44316 **CRAIGIE**

MINERAL OCCURRENCE

Descriptive Location: 28.0 KM SOUTH-EAST OF TEXAS, 220KM SW OF BRISBANE.

1:100 000 sheet Number and Name: 9140 TEXAS

Grid Reference: Zone 56 346105 mE 6793776 mN Latitude -28.9747 Longitude 151.4205 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Craigie Limestone Deposit

Commodities	Size	Size Definition
LIMESTONE	LARGE	>10 000 000 tonnes LST

Production Details

Published Reserves/Resources

BR 2818 Published in 1973

INFERRED MINERAL RESOURCE

1,300,000 Tonnes Per Vertical Metre LIMESTONE

Resource is 1.3 MT per vertical metre, and assuming 10 m of material (Siemon, 1973). Resource may be within Glenlyon Dam catchment.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 2818	1973	SIEMON, J.E.	LIMESTONE RESOURCES OF THE WARWICK-TEXAS AREA.	GEOLOGICAL SURVEY OF QUEENSLAND, REPORT 80.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Texas beds / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS	Limestone.

Comments

Three main limestone lenses crop out in a 1.5 by 1.0 km area. The limestone is light grey, microfaulted and jointed.

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39718 **CROWN AND PHOENIX**

ABANDONED MINE

Descriptive Location: 0.9 KM E OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467157 mE 7103164 mN Latitude -26.1905 Longitude 152.6713 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Crown And Phoenix Extended

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Period: 1-Jan-1885 to 31-Dec-1906 27,400 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 761.6 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

The mine was worked under tribute from 1904 to 1906. Rands (1899) shows the extent of the underground workings. Rands (1889,1891,1895) reported that several reefs were worked, namely the Phoenix, Crown, New Zealand, and Nos 1 & 2 reefs.
ARDM reports record that the March reef was also mined. Host rocks were the 'Phoenix slates' (on the eastern, downthrown side of the Phoenix 'slide') and the 'third bed of slate' (on the western side).
The New Zealand reef, at the 73m level, comprised 1.5 to 2.1m of country rock with quartz leaders plus a 0.76m zone of quartz. This reef was hosted by green altered ?sandstone and carried 'good coarse gold' (Rands,1891).
The reef broke up into small leaders in the slate above. The No.2 reef (the Western reef of the 'Phoenix, No.4 North') was described by Rands (1899) as comprising 150 to 230mm quartz at the 131m level.
At the 73m level, the lode comprised a 1.07m altered feldspathic dyke with a little calcite and 'good gold in the upper levels' Rands (1891).
The names 'Crown and Phoenix' and 'Crown and Phoenix Extended' have been used interchangably for this mine. The operating company was the Crown and Phoenix Extended Gold Mining Co. Ltd, while the lease was generally termed the 'Crown and Phoenix'.

Web Page

www.bukagold.com.au

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479065 **CROYDON**

ABANDONED MINE

Descriptive Location: 5.7KM NW OF CROYDON

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 627921 mE 7991364 mN Latitude -18.1629 Longitude 142.2094 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Croydon Gold Mine Group
Content Open Cut
Federation Open Cut
Glencoe Open Cut
Golden Butterfly North Open Cut
Golden Butterfly Open Cut
Jubilee Open Cut
La Perouse Open Cut
Lady Isabelle Open Cut
Mount Morgan Open Cut

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Period: 1-Jul-1981 to 30-Jun-1990

GOLD	BULLION	7,595.9 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1981	to	1981	Trial mining at Mount Morgan and Federation by Central Coast Exploration NL.
1984	to	1990	Open cut mining and heap leaching by Central Coast Exploration. Barrick Mines Ltd took over operation in 1985. Joint venture with Pancontinental Mining Ltd from 1987. Placed on care and maintenance in 1990.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Croydon Volcanic Group / MESOPROTEROZOIC to MESOPROTEROZOIC
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	MESOPROTEROZOIC to PALAEOZOIC

Comments

In 1974, P.J. O'Rourke (for Central Coast Exploration N.L.) applied for a number of leases and commenced exploration work in the Tabletop and Golden Gate areas. In 1981, 6700t of material was mined from small open cuts developed on the Mount Morgan and Fe The grid reference given for this Group is the location of the central processing plant. The individual open cuts were at distances of up to 13km from this plant.

Web Page

www.goldaura.com.au

Queensland Minerals

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479126 **CROYDON CONSOLS**

ABANDONED MINE

Descriptive Location: 7.8 KM NW OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 626711 mE 7993004 mN Latitude -18.1481 Longitude 142.1979 Date Recorded: 12/October/2006

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Period: 1-Jan-1892 to 31-Dec-1943 72,330 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 5,659.7 kilograms 78.21 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 8795	100.00%	CRATER GOLD MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

This section of the Golden Gate reef comprises the No. 5 North to 10 North claims and the 5 West to 11 West claims. The main producer was the Croydon Consols (Golden Gate No. 8 North). This was one of the major ore shoots on the Golden Gate reef.

The average width of the reef was about 0.3m and the ore was not payable below depths of 60m in the No. 8 North and 90m in the No. 7 North, despite exploration of the deeper levels via vertical shafts.

The reef is disrupted by cross reefs and faults striking easterly and dipping steeply north. The production figures given include 135.30 kg of gold bullion from the cyaniding of 4454.7 t of tailings.

Web Page

www.goldaura.com.au

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479076 **CROYDON KING**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 8.5 KM SE OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 637751 mE 7981104 mN Latitude -18.2550 Longitude 142.3030 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

King Of Croydon

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1886 to 31-Dec-1933 7,973 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	539.9 kilograms	67.71 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 5108	100.00%	JKO MINING PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY
GENERAL OREBODY MODEL	ALLUVIAL PLACER	
DETAILED OREBODY MODEL	ALLUVIAL PLACER GOLD	

Mineralisation Age

ORE MESOPROTEROZOIC to CENOZOIC

Comments

The Croydon King reef occurs in flat country partly covered by soil and laterite. The reef averages 0.3 to 0.6m wide and comprises euhedral buck quartz with blue streaks. The host rock is sericitised and silicified granite with graphitic metasedimentary xenoliths. The contact with the Croydon Volcanic Group is parallel to the reef and about 300m to the north-east. The workings are collapsed, but mullock samples indicate that the reef is part of a stockwork breccia zone. There appear to be two phases of brecciation. The first produced small granite fragments with silica-graphite vein infill. A later phase of quartz veining brecciated and silicified the earlier breccia.

The granite host rock is intensely sericitised and minor quartz vein stockworking occurs in the footwall. Rands (1896) reported that the reef branches at depth. The early miners thought that the reef was cut off at depth, but drilling indicated that it must have been intersected in the block shafts but was not recognised. (Reid, 1935). It may have been represented by a zone of quartz-veined "formation" (Clappison & Dickenson, 1937). Workings also occur along a narrow quartz vein that strikes 170 degrees and dips 80 degrees west. Surficial gravel deposits in the area were also worked for gold. Rock chip samples collected by Picklands Mather and Company International assayed 0.9 to 2.4g/t Au, with two assaying 6.0 and 7.5% As.

A rock chip sample collected by Central Coast Exploration N.L. assayed 0.356g/t Au and 2.0g/t Ag over a 1.3m interval. Random dump grab samples assayed 0.048g/t Au and <1.0g/t Ag to 6.15g/t Au and 9.0g/t Ag. Selected dump grab samples assayed 0.062g/t Au and 1.0g/t Ag to 32.6g/t Au and 19.0g/t Ag. Pancontinental Mining Ltd carried out RAB drilling to explore the northern and southern extensions of the reef. Twenty-two holes (449.5m) in the north and 12 holes (233.5m) in the south indicated that a zone of quartz vein stockworking is well developed but is barren of gold mineralisation. Drilling was also carried out at the old Croydon King workings by Oakbridge Ltd.

Queensland Minerals

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491003 **CRUNCHY GRANOLA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 13 KM SOUTH-WEST OF RANNES, 123KM WEST OF GLADSTONE.

1:100 000 sheet Number and Name: 8949 BANANA

Grid Reference: Zone 56 203200 mE 7319550 mN Latitude -24.2087 Longitude 150.0781 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Crunchy Prospect
Location G
Rannes Project
Crunchie Prospect

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG
MOLYBDENUM	VERY SMALL	<50 tonnes MO
MERCURY	VERY SMALL	<3 tonnes HG

Production Details

Published Reserves/Resources

BR 10038 Published in 2012 **CRUNCHY PROSPECT**

INDICATED MINERAL RESOURCE 2,600,000 tonnes Ore @

40.60 g/t SILVER **FOR** 105,560 Kilograms SILVER

0.43 g/t GOLD **FOR** 1,118 Kilograms GOLD

Comments/Cut Off Factor: 0.3g/t Au equivalent

BR 10038 Published in 2012 **CRUNCHY PROSPECT**

INFERRED MINERAL RESOURCE 3,500,000 tonnes Ore @

37.50 g/t SILVER **FOR** 131,250 Kilograms SILVER

0.45 g/t GOLD **FOR** 1,575 Kilograms GOLD

Comments/Cut Off Factor: 0.3g/t Au equivalent

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10038	2012	SOLGOLD PLC	RANNES RESOURCE ESTIMATE UPDATE	REPORT TO THE AUSTRALIAN STOCK EXCHANGE. 23 MAY 2012, SOLGOLD PLC

Major Mining Related Events

Year Commenced	Year Completed	Comments
1886		Kaufmann and Warner found payable gold. Small number of workings.

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
AUBURN SUBPROVINCE	Camboon Volcanics / LATE CARBONIFEROUS to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	

Mineralisation Age

ORE	TRIASSIC

Comments

Twelve rock grab samples collected by D'Aguilar Gold Ltd assayed 0.04 to 385g/t Ag (average 78.13g/t), <1 to 308ppm Mo (average 90.27ppm). High Hg levels of up to 508ppm indicated the high level, low temperature epithermal nature of the mineralisation.
Drilling by D'Aguilar Gold Ltd returned 40m at 1.17g/t Au and 76.2g/t Ag, including 6m at 2.76g/t Au and 115.6g/t Ag and 8m at 1.82g/t Au and 106.5g/t Ag.
The mineralised zone is up to 60m true thickness. Drilling results announced in November 2008 included 36m at 1.108g/t Au and 77g/t Ag from 40m, 30m at 1.37g/t Au and 81g/t Ag from 46m and 32m at 1.39g/t Au and 103g/t Ag from 0m.
Drill results announced in October 2008 included 32m at 2.38g/t Au equivalent from surface, 36m at 2.12g/t Au equivalent from 40m, 68m at 1.97g/t Au equivalent from 10m and 58m at 1.09g/t Au equivalent from surface. (g/t Au equi. = g/t Au + g/t Ag / 76).

Web Page

www.daguilar.com.au

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494034 **CRUSADER**

ABANDONED MINE

Descriptive Location: 11.6KM W OF COOLULLAH HOMESTEAD.

1:100 000 sheet Number and Name: 6958 COOLULLAH

Grid Reference: Zone 54 400231 mE 7808067 mN Latitude -19.8207 Longitude 140.0474 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Crusader North
Crusader South
Crusader Endeavour
Young Crusader

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jan-1915	to	31-Dec-1958	3,707	tonnes HARD ROCK ORE (OR REEF)
COPPER			OTHER	386.0 tonnes	10.40 percent
GOLD			BULLION	1.2 kilograms	0.33 grams per tonne
Period:	1-Jan-1958	to	31-Dec-1972	801	tonnes HARD ROCK ORE (OR REEF)
COPPER			OTHER	103.5 tonnes	12.90 percent
Period:	1-Jul-1976	to	30-Jun-1977	294	tonnes HARD ROCK ORE (OR REEF)
COPPER			OTHER	6.3 tonnes	2.10 percent
Period:	1-Jul-1997	to	30-Jun-1998		
COPPER			PLATE	915.0 tonnes	
Period:	1-Jul-1998	to	30-Jun-1999		
COPPER			PLATE	3,641.0 tonnes	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1890	to	1900	First period of mining activity.
1915	to	1922	Mount Elliott Ltd purchased lease in 1915 but little was done until 1922.
1922	to	1923	Worked by tributers.
1928	to	1944	Drill tested in 1928. Ten new shafts excavated to 30m depth by tributers from 1941.
1947	to	1947	Moren Shaft excavated to 65m depth by Mount Elliott Ltd.
1997	to	1999	Mined by open cut by Murchison United NL.

Mining Operations

OPEN CUT MINING
SHAFTS
UNDERGROUND MINING METHODS
STOPING
PITS
TRENCHES

Comments

All old workings have been obliterated by the recent open cut.

Tenure Type/Number		SHARE	Company Name/Surname
ML	2706	100.00%	MALACO LEICHHARDT PTY LTD
ML	2708	100.00%	MALACO LEICHHARDT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	Leichhardt Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	PROTEROZOIC

Comments

This deposit was mined by Murchison United NL as part of its Mount Cuthbert Copper Mine project. The indicated resource before mining was 464,201t at 1.75% Cu, with a 0.60% Cu cut-off grade.

Web Page

www.matrixmetals.com.au

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507760 **CRUSH CREEK PROSPECT**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 10KM NORTH OF COLLINSVILLE AND 100KM SOUTH OF BOWEN.

1:100 000 sheet Number and Name: 8457 BOGIE

Grid Reference: Zone 55 584500 mE 7739280 mN Latitude -20.4430 Longitude 147.8101 Date Recorded: 19/September/2016

Other Names for Deposit / Mine

Bv7
Blue Valley 7
Hawkes Hill
Crush Creek - Bv7

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Published Reserves/Resources

BR 7992 Published in 2006

CRUSH CREEK

INFERRED MINERAL RESOURCE 828,000 tonnes Ore @

4.89 g/t SILVER **FOR** 4,048 Kilograms SILVER

2.16 g/t GOLD **FOR** 1,788 Kilograms GOLD

Comments/Cut Off Factor: 1g/t Au

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7992	2006	CONQUEST MINING LIMITED	2006 ANNUAL REPORT.	CONQUEST MINING LTD, BALCATTA, WESTERN AUSTRALIA.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
EPM 9937	100.00%	BASIN GOLD PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BOWEN BASIN	Lizzie Creek Volcanics / EARLY PERMIAN to EARLY PERMIAN
BOWEN BASIN	

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE PERMIAN to MESOZOIC

Comments

This is a Basin Gold Pty Ltd prospect, previously in a farm-in agreement with Conquest Mining, terminated in July 2007. Epithermal, gold-bearing quartz veins occur in volcanics of the Lizzie Creek Volcanics and an associated trachyte/rhyolite dome.

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38239 **CT AREA**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 29.9KM SSW OF WEIPA AIRSTRIP, 560KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7272 WEIPA

Grid Reference: Zone 54 592122 mE 8569166 mN Latitude -12.9416 Longitude 141.8493 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Aurukun Bauxite Project

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

Company Report 4557 Published in 1973

INFERRED MINERAL RESOURCE

900,000 Tonnes BAUXITE

Comments/Cut Off Factor: Unknown grade.

Includes 300 000t at >40% alumina and <8% reactive silica.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

Part of RA315: In 2006 CHALCO won right to submit final proposal for development and were granted MDL378. CHALCO planned to invest $3 billion in a 6.5MT/a bauxite mine and 2.1Mt/a alumina refinery on Qld east coast, but pulled out subsequently.
Since CHALCO pulled out the Aurukun bauxite resource has returned to Qld Government control and a developer for the bauxite deposit is being sought through a competitive expression of interest process in 2013.
Austral Pacific Mining Corp[oration Ltd drilled 3 holes in the CT area and estimated that the inferred resource was 0.9Mt of bauxite. The average thickness of the pisolitic horizon is 1.2m.
Only 0.3Mt of the bauxite was estimated to grade >40% alumina and <8% reactive silica (ERMS 4557).

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483643 **CUBBIE STATION**

ABANDONED MINE

Descriptive Location: 120KM W OF DIRRANBANDI, CUBBIE STATION, 620KM WEST OF BRISBANE.

1:100 000 sheet Number and Name: 8240 BUNDALEER

Grid Reference: Zone 55 497889 mE 6818585 mN Latitude -28.7601 Longitude 146.9784 Date Recorded: 15/February/2016

Other Names for Deposit / Mine

Stevenson Gypsum

Commodities	Size	Size Definition
GYPSUM	SMALL	5 000 - 5 000 000 tonnes GYP

Production Details

Period: 1-Jul-2000 to 30-Jun-2007

GYPSUM	117,734.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC LACUSTRINE DEPOSITS	Ql-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	EVAPORITE DEPOSIT

Mineralisation Age

ORE	QUATERNARY

Comments

Gypsum occurs in a lake bed deposit. The gypsum is used on cotton plantations in northern NSW.

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479806 **CUMBERLAND**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 34.5 KM E OF FOREST HOME HOMESTEAD, NEAR CUMBERLAND TOWNSHIP.

1:100 000 sheet Number and Name: 7561 FOREST HOME

Grid Reference: Zone 54 748693 mE 7975746 mN Latitude -18.2934 Longitude 143.3526 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
TANTALUM	VERY SMALL	<10 tonnes TA

Production Details

Period: 1-Jan-1878 to 31-Dec-1909 35,490 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 2,067.2 kilograms

Period: 1-Jul-1996 to 30-Jun-1997

TANTALITE 0.5 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 17989	100.00%	CENTRAL GOLD MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Aurora Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	BASE METAL (POLYMETALLIC)

Mineralisation Age

ORE PALAEOZOIC

Comments

The Cumberland was one of the largest gold producers on the Etheridge field. It was worked below the base of oxidation (30m), where the sulphide ore was richer than the oxide. The 5m wide lode strikes 030 to 050 degrees and dips 20 to 78 degrees SE.

The quartz lode is flanked by 1 to 2m of sheared and unmineralised, quartz-sericite-carbonate altered granite. Gold, along with minor chalcopyrite and galena, occurs in massive quartz-pyrite veins.

Union Mining NL open cut the reef in 1996-1997 but the production is not known. The deposit is within EPM 17989, which is held by Deutsche Rohstoff Australia Pty Ltd.

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39721 **CURRA LIMESTONE**

ABANDONED MINE

Descriptive Location: 13.1KM NW OF GYMPIE P.O., 145KM NNW OF BRISBANE.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 457405 mE 7112875 mN Latitude -26.1026 Longitude 152.5740 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Curra Quarry

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST
AGGREGATE		

Production Details

Period: 1-Jan-1914 to 31-Dec-1992			
LIMESTONE	CRUSHED ROCK	260,000.0 tonnes	
Period: 1-Jul-1996 to 30-Jun-1997			
LIMESTONE	CRUSHED ROCK	42,653.0 tonnes	
Period: 1-Jul-1997 to 30-Jun-1998			
AGGREGATE		83,810.0 tonnes	
Period: 1-Jul-1998 to 30-Jun-1999			
LIMESTONE	CRUSHED ROCK	72,570.0 tonnes	
AGGREGATE		72,570.0 tonnes	
Period: 1-Jul-1999 to 30-Jun-2000			
LIMESTONE	CRUSHED ROCK	116,980.0 tonnes	
AGGREGATE		116,980.0 tonnes	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1998	to	2001	Mined by Tamaree Lime Pty Ltd.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GYMPIE PROVINCE	South Curra Limestone / EARLY PERMIAN to MIDDLE PERMIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	PERMIAN

Comments

The limestone is generally dark to bluish grey, comprising 10mm to 1m thick limestone bands separated by thin shale or siltstone laminae.

The limestone was crushed on site and then trucked to Tamaree for processing to produce mainly burnt lime and quick-lime. Road base and screenings are now produced from the quarrying operation.

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491114 **D-TREE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 44 KM WEST OF GUNPOWDER,115KM NORTH OF MT ISA.

1:100 000 sheet Number and Name: 6658 UNDILLA

Grid Reference: Zone 54 285120 mE 7820165 mN Latitude -19.7022 Longitude 138.9500 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

D-Tree North Dso

D-Tree West

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	LARGE	>200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

BR 9094 Published in 2009 **D-TREE WEST**

INFERRED MINERAL RESOURCE 170,000,000 tonnes Ore @ 16.00 % PHOSPHATE **FOR** 27,200,000 Tonnes PHOSPHATE

Comments/Cut Off Factor: 10% P2O5

BR 9094 Published in 2009 **D-TREE**

INFERRED MINERAL RESOURCE 135,000,000 tonnes Ore @ 13.80 % PHOSPHATE **FOR** 18,630,000 Tonnes PHOSPHATE

Comments/Cut Off Factor: 10% P2O5

Includes D-Tree North direct shipping ore inferred resource of 1.035Mt at 29.4% P2O5, 3% Fe2O3 and 2.7% Al2O3 at a >/=25% P2O5 cutoff.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9094	2009	MT ISA METALS LIMITED	D-TREE PHOSPHATE PROJECT - MAIDEN RESOURCE FOR JV.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 15 MAY 2009. MT ISA METALS LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14753	100.00%	PARADISE PHOSPHATE LIMITED
EPM	15763	100.00%	PARADISE PHOSPHATE LIMITED
ML	90190	100.00%	PARADISE PHOSPHATE LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Beetle Creek Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE MIDDLE CAMBRIAN

Comments

The D-Tree deposit includes the Bean Tree, North Galah Creek, South Galah Creek, Slate Creek and D-Tree West deposits. The project was a joint venture between Mt Isa Metals Ltd (20% - EPM 15763) and Legend International Holdings Inc (80% - EPM 14753).
Legend International Holdings Inc assumed 100% ownership of the project in September 2009.
In the June 2009 quarter, 56 RC holes (2493m) were completed at D-Tree West and 112 holes (4224m) were completed at D-Tree North.
Drilling at D-Tree North confirmed the continuity of near-surface phosphate its suitability as potential direct shipment ore
The main (upper) mineralised unit at D-Tree North typically lies within 5 to 15m of the surface, providing for low strip ratios and potential short lead time to mine development. A lease (MLA 90190) was applied for.
Open pit design has commenced for the D-Tree North DSO development. Studies on the possible use of 'dry' processing are continuing.
Tenders have been called for the establishment of third-party mining and transport contracts.
No environmental impact assessment is required for the mining lease application and the project is being fast tracked as an expedited mining project. Operations could commence in the fourth quarter of 2009, subject to a positive feasibility study.
In 2012 Legend quoted mineralised material on D-Tree tenement to contain 134.9Mt at 13.8% P2O5 at 10% cut off grade (a similar figure to 2009 data but not as detailed). BR9864, pg 10.

Web Page
www.lgdi.net; www.mtisametals.com.au

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43969 **DALCOUTH CREEK**

ABANDONED MINE

Descriptive Location: 5.6 KM E OF STANTHORPE, 160KM SW OF BRISBANE.

1:100 000 sheet Number and Name: 9240 STANTHORPE

Grid Reference: Zone 56 401305 mE 6828876 mN Latitude -28.6634 Longitude 151.9900 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Logan'S Claim

Hislop'S Claim

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Published Reserves/Resources

DALCOUTH CREEK

INFERRED MINERAL RESOURCE 130,000 cubic metres Ore @ 2.70 kg/m*3 CASSITERITE **FOR** 351 Tonnes CASSITERITE

Comments/Cut Off Factor: Resource figure from application for MDL 152.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
DREDGING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	QUATERNARY	Alluvium.

Comments

Skertchly (1898) reported that mining was being carried out on Hislop's Claim and Logan's Claim in 1896. The alluvium consisted of ~3m of white sand and clay over 50mm to 1m of gravelly washdirt on granite bedrock. The cassiterite was angular and gener
The cassiterite was angular and generally free of black sand.

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493637 **DAWSONVALE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 36 KM EAST OF TAROOM, 205KM SW OF GLADSTONE.

1:100 000 sheet Number and Name: 8946 BUNGABAN

Grid Reference: Zone 56 216855 mE 7167486 mN Latitude -25.5829 Longitude 150.1814 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
IRON	MEDIUM	5 000 000 - 100 000 000 tonnes FE

Production Details

Published Reserves/Resources

Company Report 26157 Published in 1994 **DAWSONVALE**

INFERRED MINERAL RESOURCE 199,000,000 tonnes Ore @ 37.50 % IRON **FOR** 74,625,000 Tonnes IRON

1.8-6.7m overburden. Oolitic ironstone. Reported average grade of the ironstone was 37.5% Fe and average thickness 1.45m for material assaying greater than 30%Fe.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SURAT BASIN	Evergreen Formation / EARLY JURASSIC to EARLY JURASSIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY IRON FORMATION (SUPERIOR TYPE FE)

Mineralisation Age

ORE	JURASSIC

Comments

Ironstone beds in flat-lying sandstone of the Evergreen Formation consist of two distinct subunits - a basal, thick bedded oolitic ironstone and an upper unit of interlayered oolitic ironstone and limonitic sandstone.

The oolitic ironstone at Dawsonvale is a sandy, clayey and oolitic sediment deposited in a shallow-inland sea . The deposits are generally a few metres thick and chert-poor, but are rich in phosphorous and aluminium.

Bulk sampling of the oolitic ironstone returned 35.8% Fe, 14.2% SiO_2, 9.43% Al_2O_3, 2.81% P_2O_5, 2.31% CaO, 0.39% TiO_2 and 18.3% LOI.

Drilling between Cabbagetree Creek and Glebe Mountain indicated that the oolitic ironstone unit is up to 15m thick and occurs almost entirely in the zone of weathering.

Web Page

www.aard.com.au

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38730 **DAY DAWN LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 0.7 KM W OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 422402 mE 7779266 mN Latitude -20.0820 Longitude 146.2578 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Day Dawn Gold Mines
Day Dawn P.C.
Day Dawn School Reserve
No. 2 S.E. Day Dawn
Talisman And New Dawn
Talisman
Talisman Lode
Brilliant P.C.
Macleay Reef
New Dawn Reef
Forget Me Not P.C.
Day Dawn Church Land
New Dawn
Day Dawn Block And Wyndham
Day Dawn No. 4b
Day Dawn No. 4a West
Day Dawn No. 3 West
Day Dawn No South East
East Mexican
North Australian Block
Mill'S Day Dawn United
Wallis'S Day Dawn
Plant'S Day Dawn
Pfeiffer'S Day Dawn
Royal Day Dawn
Redmond'S Brilliant Freeholds And Day Dawn
Day Dawn

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Period: 1-Jan-1873 to 31-Dec-1919 1,590,880 tonnes HARD ROCK ORE (OR REEF)

GOLD FINE 38,668.0 kilograms

Published Reserves/Resources

BR 10151 Published in 2012 **DAY DAWN (C17)**

INDICATED MINERAL RESOURCE 117,983 tonnes Ore @
5.00 g/t GOLD **FOR** 589 Kilograms GOLD

Includes probable reserves of 129781t at 4.32g/t Au.

BR 10151 Published in 2012 **DAY DAWN (C17)**

INFERRED MINERAL RESOURCE 385,890 tonnes Ore @
13.50 g/t GOLD **FOR** 5,209 Kilograms GOLD
9.00 g/t SILVER **FOR** 3,473 Kilograms SILVER

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1873	to	1919	
1931	to	1936	Worked during this time as the Royal Day Dawn
1939	to	1940	Wallis's Day Dawn Mines unsuccessfully reopened.

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Mining Operations	Comments
UNDERGROUND MINING METHODS	Numerous levels worked
INCLINED SHAFTS / DRIVES	At least 20 underlie shafts worked this lode
SHAFTS	At least 11 vertical shafts worked this lode

Tenure Type/Number		SHARE	Company Name/Surname
ML	10208	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN
MACROSSAN IGNEOUS ASSOCIATION	Hogsflesh Creek Granodiorite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	LATE SILURIAN to EARLY DEVONIAN

Comments

Part of Citigold Corporation Limited's Charters Towers Gold Project, within the proposed "City" mine area (see Central Decline #38717). The Day Dawn lode strikes 100 degrees and dips between 45 and 60 degrees to the north, trending up to 2km across the Charters Towers Goldfield. The reef was worked over its entire length between the years of 1873 and 1919 and again between 1931 and 1936.

Web Page

http://www.citigold.com

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496551 **DAY DAWN WEST**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 3.7KM W OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 418757 mE 7779637 mN Latitude -20.0785 Longitude 146.2230 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Day Dawn West Prospect
Day Dawn Extended
Western Day Dawn

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 6251 Published in 1995

DAY DAWN WEST GOLD PROSPECT

INFERRED MINERAL RESOURCE 47,000 tonnes Ore @ 11.40 g/t GOLD **FOR** 536 Kilograms GOLD

Comments/Cut Off Factor: Cutoff not reported.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6251	1995	CHARTERS TOWERS GOLD NL	QUARTERLY ACTIVITIES REPORT TO 30TH JUNE 1995.	CHARTERS TOWERS GOLD NL

Major Mining Related Events

Year Commenced	Year Completed	Comments
2005		Glengarry Resources Limited began exploration in the area in Feb 2005.

Mining Operations	Comments
SHAFTS	Shown on MP 29554

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14388	100.00%	MANTLE MINING CORPORATION LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Hogsflesh Creek Granodiorite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	LATE SILURIAN to EARLY DEVONIAN

Comments

Web Page

www.mantlemining.com

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36164 **DEADMAN CREEK**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 10.3KM NORTH OF IRVINEBANK, 70KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 308244 mE 8082469 mN Latitude -17.3351 Longitude 145.1955 Date Recorded: 23/January/2017

Other Names for Deposit / Mine

Deadman Creek Prospect

Deadmans Gully

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
LEAD	VERY SMALL	<1000 tonnes PB
SILVER	VERY SMALL	<5 tonnes AG
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Published Reserves/Resources

BR 6053 Published in 1999

DEADMAN CREEK PROSPECT

INDICATED MINERAL RESOURCE 18,450 tonnes Ore @ 0.90 % CASSITERITE **FOR** 166 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14016	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Featherbed Volcanic Group / LATE CARBONIFEROUS to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Narrow shear zone with tin, lead and copper mineralisation.

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42417 **DEADMANS GULLY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 18.5KM WNW OF RAVENSHOE.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 320114 mE 8054769 mN Latitude -17.5863 Longitude 145.3049 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Deadman Creek Prospect

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
IRON	SMALL	5 000 - 5 000 000 tonnes FE
MAGNETITE	SMALL	50 000 - 500 000 tonnes MT

Production Details

Published Reserves/Resources

BR 9873 Published in 2012

DEADMANS GULLY

INDICATED MINERAL RESOURCE 444,000 tonnes Ore @

26.70 % IRON **FOR** 118,548 Tonnes IRON

0.34 % TIN **FOR** 1,509 Tonnes TIN

Comments/Cut Off Factor: 0.2% Sn

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9873	2012	CONSOLIDATED TIN MINES LIMITED	2012 EXPLORATION SEASON UNDERWAY AT MOUNT GARNET TIN PROJECT WITH 3000M DRILL PROGRAM	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE. 3RD APRIL 2012. CONSOLIDATED TIN MINES LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
DREDGING	
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14185	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	Nettle Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	TIN SKARN

Mineralisation Age

ORE	LATE CARBONIFEROUS

Comments

Drilling in July and August 2008 gave the best intersection of 22m @ 0.49% Sn and 37.5% Fe from the surface (hole 25).
Mineralisation is coincident with a limestone unit within a roof pendant of Hodgkinson Formation sediments. Newmont Pty Ltd completed initial mapping and drilled six percussion drillholes to test a bullseye aeomagnetic anomaly in 1978.
Drilling south of Deadman's Gully intersected significant tin mineralisation. The skarn is a mixed sulphide and oxide facies. In 1982, Loloma Minerals Pty Ltd conducted a ground magnetic survey and drilled 8 percussion holes.
The skarn mineralisation was described as sub-banded iron-oxide facies and massive garnet-sulphide facies. Tin occurs as stannite in the oxide facies and cassiterite in the lower sulphide facies.

Web Page

www.consolidatedtinmines.com.au

Queensland Minerals

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507516 **DELTA**

CARE AND MAINTENANCE

Descriptive Location: HEADWATERS OF PLUMTREE CREEK, 27KM S OF HOME HILL.

1:100 000 sheet Number and Name: 8358 AYR

Grid Reference: Zone 55 540608 mE 7799047 mN Latitude -19.9044 Longitude 147.3880 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Kirknie Lime

Commodities	Size	Size Definition
EARTHY LIME / DOLOMITE (AGRICULTURAL)	SMALL	10 000 - 100 000 tonnes ELIM

Production Details

Period: 1-Jul-1996 to 30-Jun-2010

EARTHY LIME / DOLOMITE (AGRICULTURAL) 41,589.6 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	1051	50.00%	GRANSHAW	Herbert James
ML	1051	50.00%	GRANSHAW	Jan

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Cud-BUR / CARBONIFEROUS to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	ENRICHED LIME DEPOSIT

Mineralisation Age

ORE CARBONIFEROUS to CENOZOIC

Comments

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491050 **DENNY GULLY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: LOCATED 4KM NW OF CANIA DAM, 85KM SOUTH OF GLADSTONE.

1:100 000 sheet Number and Name: 9048 SCORIA

Grid Reference: Zone 56 288915 mE 7277866 mN Latitude -24.5988 Longitude 150.9152 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Denny'S Gully

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

Company Report 32928 Published in 2001 **DENNY GULLY**

INFERRED MINERAL RESOURCE 857,400 cubic metres Ore @ 0.58 g/m*3 GOLD **FOR** 497 Kilograms GOLD

Company Report 32928 Published in 2001 **DENNY GULLY**

PROVED - PROBABLE ORE RESERVE 569,400 cubic metres Ore @ 0.63 g/m*3 GOLD **FOR** 359 Kilograms GOLD

Resource not defined to JORC guideline standards.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
GULLY RAKING / SLUICING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-YARROL/SCAG / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER GOLD
DETAILED OREBODY MODEL	DEEP LEAD PLACER AU

Mineralisation Age

ORE	CENOZOIC

Comments

Alluvial gold dervied from paleo-placer deposits capped by basalt. Several kilometres of Denny Gully have been worked. Ruins of an alluvial treatment plant remain at the site.

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491142 **DEPOSIT I**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 58 KM NORTH WEST OF CENTURY MINE, 270KM NW OF MT ISA.

1:100 000 sheet Number and Name: 6561 BOWTHORN

Grid Reference: Zone 54 220621 mE 7979165 mN Latitude -18.2587 Longitude 138.3578 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Constance Range Deposit I

Commodities	Size	Size Definition
IRON	MEDIUM	5 000 000 - 100 000 000 tonnes FE

Production Details

Published Reserves/Resources

BR 5129 Published in 1965

INDICATED MINERAL RESOURCE 21,000,000 tonnes Ore @ 42.20 % IRON **FOR** 8,862,000 Tonnes IRON

Grade 42.2% Fe, 7.4% SiO2.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5129	1965	HARMS, J.E.	Iron ore deposits of Constance Range.	In McAndrew, J. (Editor): Geology of Australian Ore Deposits. Eighth Commonwealth Mining and Metallurgical Congress, Australia and New Zealand, 1965. The Australasian Institute of Mining and Metallurgy, Melbourne, 264-269.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Train Range Ironstone Member / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY IRON FORMATION (SUPERIOR TYPE FE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

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491189 **DEPOSIT P**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 46 KM NORTH-WEST OF CENTURY MINE, 255KM NORTH OF MT ISA.

1:100 000 sheet Number and Name: 6560 MUSSELBROOK

Grid Reference: Zone 54 207421 mE 7950465 mN Latitude -18.5160 Longitude 138.2289 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Constance Range Deposit P

Commodities	Size	Size Definition
IRON	MEDIUM	5 000 000 - 100 000 000 tonnes FE

Production Details

Published Reserves/Resources

BR 5129 Published in 1965

INDICATED MINERAL RESOURCE 44,000,000 tonnes Ore @ 46.30 % IRON **FOR** 20,372,000 Tonnes IRON

Grade of 46.3% Fe and 7.8% SiO2.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5129	1965	HARMS, J.E.	Iron ore deposits of Constance Range.	In McAndrew, J. (Editor): Geology of Australian Ore Deposits. Eighth Commonwealth Mining and Metallurgical Congress, Australia and New Zealand, 1965. The Australasian Institute of Mining and Metallurgy, Melbourne, 264-269.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14479	70.00%	QLD IRON LIMITED
EPM	14479	30.00%	KBL MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Train Range Ironstone Member / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY IRON FORMATION (SUPERIOR TYPE FE)

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Deposit P is more siderite rich than Deposit A. It is within the Lawn Hill (Little Range) Resources Reserve.

Web Page

www.kimberleymetals.com.au

Queensland Minerals

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501457 **DESOLATION**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 39 KM N OF MOUNT TRACEY HOMESTEAD, 116 KM ESE OF MOUNT ISA.

1:100 000 sheet Number and Name: 7055 MOUNT ANGELAY

Grid Reference: Zone 54 453918 mE 7672483 mN Latitude -21.0479 Longitude 140.5565 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
COBALT	VERY SMALL	<10 tonnes CO
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Published Reserves/Resources

BR 10576 Published in 2016 **DESOLATION**

INDICATED MINERAL RESOURCE 800,000 tonnes Ore @

0.80 % COPPER **FOR** 6,400 Tonnes COPPER

0.06 % COBALT **FOR** 480 Tonnes COBALT

0.30 g/t GOLD **FOR** 240 Kilograms GOLD

Comments/Cut Off Factor: 0.2% Cu cut off

BR 10576 Published in 2016 **DESOLATION**

INFERRED MINERAL RESOURCE 1,100,000 tonnes Ore @

0.60 % COPPER **FOR** 6,600 Tonnes COPPER

0.04 % COBALT **FOR** 440 Tonnes COBALT

0.20 g/t GOLD **FOR** 220 Kilograms GOLD

Comments/Cut Off Factor: 0.2% Cu cut off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10576	2016	QUEENSLAND MINING CORPORATION LIMITED	ANNUAL REPORT 2016	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 21 OCTOBER 2016. QUEENSLAND MINING CORPORATION LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Timbered but collapsed, 3m long x 3m wide x 4m deep.
PITS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
MDL 205	100.00%	WHITE RANGE MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Staveley Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)
GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE PALAEOPROTEROZOIC

Comments

Part of Queensland Mining Corporation Limited's White Range Project. The Desolation deposit is hosted within the Staveley Formation and occurs as stockworks, veins and breccia of chrysocolla, chalcocite, malachite and iron oxides.

Web Page
http://queenslandminingcorporation.com.au

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44164 **DIANNE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 81 KM NORTH-WEST OF MOUNT CARBINE, 150KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7865 SOUTH PALMER RIVER

Grid Reference: Zone 55 234615 mE 8218669 mN Latitude -16.0976 Longitude 144.5190 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
ZINC	SMALL	200 - 200 000 tonnes ZN
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1980 to 31-Dec-1984 70,000 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	18,000.0 tonnes	25.70 percent
SILVER		1,000.0 kilograms	14.28 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1980	to	1984	Open cut mining of supergene zone by Mareeba Mining and Exploration Pty Ltd.

Mining Operations	Comments
OPEN CUT MINING	100m deep.
UNDERGROUND MINING METHODS	
SHAFTS	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	2810	100.00%	DIANNE MINING CORPORATION PTY LTD
ML	2811	100.00%	DIANNE MINING CORPORATION PTY LTD
ML	2831	100.00%	DIANNE MINING CORPORATION PTY LTD
ML	2832	100.00%	DIANNE MINING CORPORATION PTY LTD
ML	2833	100.00%	DIANNE MINING CORPORATION PTY LTD
ML	2834	100.00%	DIANNE MINING CORPORATION PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
DETAILED OREBODY MODEL	VMS - BESSHI/KIESLAGER STYLE CU-ZN

Mineralisation Age

ORE	LATE DEVONIAN

Comments

Dianne is a stratiform copper- and zinc-rich massive sulphide body that forms a small, steeply dipping lens within an overturned sequence of interbedded slate and greywacke. The tabular-shaped orebody is >150m long and is capped by ferruginous gossans. Supergene enrichment occurs to about 100m depth. The leases are held by Dianne Mining Corporation Pty Ltd. Resource figures for the deposit are currently confidential.

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40982 **DIDCOT EARTHY LIME**

ABANDONED MINE

Descriptive Location: 29.5KM ENE OF GAYNDAH

1:100 000 sheet Number and Name: 9246 GAYNDAH

Grid Reference: Zone 56 386443 mE 7178830 mN Latitude -25.5033 Longitude 151.8701 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Yarrabee
Hassle
Mileage Traverse

Commodities	Size	Size Definition
EARTHY LIME / DOLOMITE (AGRICULTURAL)	SMALL	10 000 - 100 000 tonnes ELIM

Production Details

Period: 1-Jan-1951 to 31-Dec-1969

EARTHY LIME / DOLOMITE (AGRICULTURAL) 9,516.6 tonnes

Period: 1-Jan-1981 to 31-Dec-1981

EARTHY LIME / DOLOMITE (AGRICULTURAL) 895.0 tonnes

Period: 1-Jul-1996 to 30-Jun-2001

EARTHY LIME / DOLOMITE (AGRICULTURAL) 8,985.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1940	to	1940	CJ Bryant commenced open cut mining on ML 20.
1947	to	1947	Lease applied for.
1950	to	1972	CS Bryant took up MLs 23 and 29 in 1950. The Didcot Lime Company Pty Ltd set up crushing and screening machinery in 1951. Agricultural lime was sold to farmers in the Burnett district.
1966	to	1967	Minor production by HJ McDonald from ML 78.
1972	to	1984	Worked by Flinders Dolomite Pty Ltd and then by Just Pastoral Company Pty Ltd.
1996	to	2005	Worked by RG Walters until 2001. The leaseholder intends to complete clean-up of the site and then relinquish the leases (RG Walters, personal comment, July 2005).

Mining Operations	Comments
OPEN CUT MINING	Shallow cuts/scrapes.

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Mount Marcella Volcanics / MIDDLE TRIASSIC to LATE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	ENRICHED LIME DEPOSIT

Mineralisation Age

ORE	CENOZOIC

Comments

The earthy lime product was marketed as having 44% lime as calcium carbonate, 81% neutralising value, 90% fines and 10% coarse.

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507509 **DINMORE POTTERY**

CARE AND MAINTENANCE

Descriptive Location: ADJACENT TO CUNNINGHAM HIGHWAY AND WEST OF DINMORE.

1:100 000 sheet Number and Name: 9442 IPSWICH

Grid Reference: Zone 56 482453 mE 6947002 mN Latitude -27.6007 Longitude 152.8222 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Ebbw Vale Drainpipes

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jul-1996 to 30-Jun-2008

BRICK CLAY	134,297.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BOOVAL BASIN	Redbank Plains Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	TERTIARY

Comments

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481759 **DISRAELI**

ABANDONED MINE

Descriptive Location: 36.6 KM W OF RAVENSWOOD, ADJACENT TO THE BURDEKIN RIVER.

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 451960 mE 7774230 mN Latitude -20.1285 Longitude 146.5404 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Disraeli East
Disraeli West
New Disraeli
Disraeli No.1 East
Disraeli No.2 East
Scotchman
Scotchman No.1
Lightning
Lightning No.1
Lightning Extended

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1880	to	31-Dec-1940	875	tonnes HARD ROCK ORE (OR REEF)	
GOLD			BULLION	14.2 kilograms		16.28 grams per tonne
Period:	1-Jan-1881	to	31-Dec-1942	9,789	tonnes HARD ROCK ORE (OR REEF)	
GOLD			BULLION	260.9 kilograms		26.65 grams per tonne
GOLD			BULLION	96.6 kilograms		42.40 grams per tonne
Period:	1-Jan-1987	to	31-Dec-1990	216,141	tonnes HARD ROCK ORE (OR REEF)	
GOLD			BULLION	516.6 kilograms		2.39 grams per tonne
Period:	1-Jan-1992	to	31-Dec-1994	562,117	tonnes HARD ROCK ORE (OR REEF)	
GOLD			BULLION	944.4 kilograms		1.68 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1881	to	1942	Historical mining during this period.
1987	to	1990	Open pit mining by North Queensland Resources NL.
1992	to	1994	September 1992 to September 1994 open pit mining by Ashton Gold. Pit was later backfilled with tailings.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
SHAFTS	
INCLINED SHAFTS / DRIVES	
STOPING	
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Boatswain Granodiorite / LATE SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE	SILURIAN to DEVONIAN	

Comments

The plant was auctioned in August 2008 and the mining lease relinquished.

This deposit comprises seven subparallel lenses over total width of up to 50 m. Individual lenses of from 3 m to 5 m wide assayed >1.5 g/t Au. The plant at this mine also treated ore from Hadleigh Castle and toll treated other ores.

Tamaya Resources Limited announced in July 2008 that they were looking to dispose of the Rishton tenements are they were no longer core business. The company appointed administrators in October 2008.

Web Page

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494040 **DOBBYN**

ABANDONED MINE

Descriptive Location: 26.5 KM NORTH OF KAJABBI, 105KM NE OF MT ISA.

1:100 000 sheet Number and Name: 6858 ALSACE

Grid Reference: Zone 54 395196 mE 7810627 mN Latitude -19.7973 Longitude 139.9994 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Dobbins Lode
Dobbyn North
Dobbyn South

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jan-1909	to	31-Dec-1933	16,846 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	2,864.0 tonnes	17.00 percent
GOLD			BULLION	10.6 kilograms	0.63 grams per tonne
Period:	1-Jul-1999	to	30-Jun-2000		
COPPER			PLATE	3,129.0 tonnes	
Period:	1-Jul-2000	to	30-Jun-2001		
COPPER			PLATE	979.0 tonnes	
Period:	1-Jul-2001	to	30-Jun-2002		
COPPER			PLATE	550.0 tonnes	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference	ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1867	to	1867	Copper discovered here by Ernest Henry.
1916	to	1917	New machinery was installed and headgear was erected over the main shaft. The railway line was constructed from Oona Junction to the Dobbyn mine. The population of Dobbyn was about 120.
1926	to	1926	Reserves were estimated as 45,346t at 5% Cu.
1927	to	1933	Tributors worked the open cut and old workings.
1950	to	1958	Mining operations continued throughout the 1950s.
1999	to	2002	Mining recommenced at Dobbyn at the end of 1999 as part of Matrix Metals Ltd's Mount Cuthbert mining operation. Mining completed by 2002.

Mining Operations	Comments
OPEN CUT MINING	Recent open cut excavated by Matrix Metals Ltd is 185m long by 100m wide by >25m deep.
SHAFTS	Main shaft was 106.7m deep but has collapsed to 40m deep. Now obliterated by recent open cut mining.
STOPING	Stoped above the 91.4m level north of the main shaft.
OPEN CUT MINING	Old main open cut (north of the main shaft) was 43m long, 21m wide and 14m deep. A smaller open cut occurred 10m south of the main shaft. These have been obliterated by recent open cut mining.
UNDERGROUND MINING METHODS	2 winzes sunk from underground drives.

Tenure Type/Number		SHARE	Company Name/Surname
ML	2705	100.00%	MALACO LEICHHARDT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	PROTEROZOIC

Comments

Lode occurs at or near (?faulted) contact between quartz porphyry or altered rhyolite and hornblende schist (amphibolite). The quartz porphyry formed the hanging wall in the main old open cut.

The lode formation extends 143m north and 152m south of the main shaft but development occurred for only 107m along the lode.

The headframe at this site came from Charters Towers. In 1914, Mount Elliott Ltd floated the Dobbyn and Cloncurry Copper Mine Ltd with a share capital of 40 000 pounds. In 1931, a wage dispute stopped production for the year.

In 1932, Dobbyn became the railhead for ore from Mount Oxide. High operating and transport costs made mining unprofitable during the 1930s. In 1931, Dobbyn township had 1 hotel, 2 stores, police station, post office, railway station school and ~20 houses.

The post office was open from 1917 to 1923 and 1927 to 1961. The rail line was closed in 1961 and the rails were removed.

The current mining lease (ML 2705) is owned by Matrix Metal Ltd, which open cut the remaining resource as part of its Mount Cuthbert Copper Project in 1999 to 2001.

Web Page

www.matrixmetals.com.au

Queensland Minerals

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494041 **DOLOMITE**

ABANDONED MINE

Descriptive Location: 7.8KM WSW OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 442047 mE 7706522 mN Latitude -20.7400 Longitude 140.4433 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

British Wonder

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST
COPPER	VERY SMALL	<500 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	31-Dec-1957			1,601 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	132.2 tonnes	
GOLD			BULLION	0.9 kilograms	
Period: 1-Jan-1960	to	31-Dec-1963			
LIMESTONE			CRUSHED ROCK	3,690.0 tonnes	
Period: 1-Jan-1961	to	31-Dec-1961		5 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	1.2 tonnes	26.20 percent

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1911	to	1920	Mined for cupriferous limestone flux by Mount Elliott Ltd for use in the Hampden smelter. Combined production from the Dolomite, Salmon and Dingo quarries was 103,358t.
1948	to	1963	Mined for cupriferous limestone flux for use at the Mount Isa smelter. Combined production from the Dolomite, Salmon and Dingo quarries from 1948 to 1953 was 75,944t.
		1911	May have been first worked as British Wonder and produced 29.5t of copper ore.

Mining Operations	Comments
OPEN CUT MINING	15m to water level at 28/5/02.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8588	51.00%	MOUNT ISA MINES LIMITED
EPM	8588	49.00%	SOVEREIGN METALS LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MITAKOODI DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MITAKOODI DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	VEIN CALCITE +/- CU

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Web Page

www.fusionresources.com.au

Queensland Minerals

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481761 **DONNYBROOK**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 9.9 KM S OF RAVENSWOOD.

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 487386 mE 7767537 mN Latitude -20.1895 Longitude 146.8793 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Donnybrook Pc
Donnybrook West
Donnybrook Console
Donnybrook N 1 W

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1900	to	31-Jan-1910		6,528 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	695.2 kilograms
Period:	1-Jan-1913	to	31-Dec-1913		1,206 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	45.1 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1871	to	1915	The reef was worked on and off during this period.

Mining Operations	Comments
SHAFTS	All shafts are open bar one collapsed near large mullock dump

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15099	100.00%	CARPENTARIA GOLD PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Ravenswood Granodiorite Complex / ORDOVICIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	CARBONIFEROUS

Comments

Web Page

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478934 **DRY RIVER SOUTH**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 13.5 KM SSW OF CONJUBOY HOMESTEAD, 215KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7860 CONJUBOY

Grid Reference: Zone 55 256415 mE 7920770 mN Latitude -18.7904 Longitude 144.6890 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

South Surveyor 1

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
LEAD	SMALL	1000 - 100 000 tonnes PB
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Published Reserves/Resources

BR 10071 Published in 2012

DRY RIVER SOUTH UNDERGROUND

INDICATED MINERAL RESOURCE 78,000 tonnes Ore @

7.20 % ZINC	**FOR**	5,637 Tonnes ZINC
68.00 g/t SILVER	**FOR**	5,324 Kilograms SILVER
2.40 % LEAD	**FOR**	1,879 Tonnes LEAD
1.10 % COPPER	**FOR**	861 Tonnes COPPER
0.71 g/t GOLD	**FOR**	55 Kilograms GOLD

BR 10071 Published in 2012

DRY RIVER SOUTH UNDERGROUND

INFERRED MINERAL RESOURCE 560,000 tonnes Ore @

6.40 % ZINC	**FOR**	35,840 Tonnes ZINC
59.00 g/t SILVER	**FOR**	33,040 Kilograms SILVER
2.30 % LEAD	**FOR**	12,880 Tonnes LEAD
0.90 % COPPER	**FOR**	4,572 Tonnes COPPER
0.60 g/t GOLD	**FOR**	336 Kilograms GOLD

BR 10071 Published in 2012

DRY RIVER SOUTH UNDERGROUND

MEASURED MINERAL RESOURCE 92,000 tonnes Ore @

9.60 % ZINC	**FOR**	8,832 Tonnes ZINC
76.00 g/t SILVER	**FOR**	6,992 Kilograms SILVER
3.90 % LEAD	**FOR**	3,588 Tonnes LEAD
1.10 % COPPER	**FOR**	1,012 Tonnes COPPER
0.70 g/t GOLD	**FOR**	64 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10071	2012	KAGARA MINING	OPPORTUNITY TO ACQUIRE KAGARA LIMITED'S NORTH QUEENSLAND ASSETS	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 14 SEPTEMBER 2012 KAGARA MINING, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1985	to	1987	Dry River South discovered in 1985 with South Surveyor 1 discovered 2 years later in 1987.

Operating Mine Life: 2005 to 2008 Dry River South underground development commenced in January 2005 with decline being driven from Surveyor opencut. Stoping commenced in September 2006 quarter.

Mining Operations	Comments
UNDERGROUND MINING METHODS	Orebody access by decline from Surveyor opencut.
DECLINED SHAFTS/DRIVES	
STOPING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	30156	100.00%	SNOW PEAK MINING PTY LTD

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Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
THALANGA PROVINCE	Balcooma Metavolcanic Group / LATE CAMBRIAN to EARLY ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
DETAILED OREBODY MODEL	VMS - KUROKO STYLE (NORANDA, FELSIC TO INTERMED VMS TYPE)

Mineralisation Age

ORE	LATE CAMBRIAN to EARLY ORDOVICIAN

Comments

The Dry River South deposit, south-west of Balcooma, occurs as a blind deposit with separate ag-Pb-Zn and Cu massive sulphide orebodies that grade into tone another.

The deposit forms a thin (1-10m) N-S trending, E dipping tabular body at the boundary between meta-greywacke and stratigraphically lower metavolcanics. It is generally narrower and lower grade than the nearby Surveyor orebody.

Thrusting appear to have stacked the mineralisation producing a thicker, multiple lense system. Abundant pyrite occurs in the felsic volcanics hosting the orebody. Excavation of the access decline commenced in January 2005.

Kagara Zinc commenced room and pillar stoping in the September 2006 quarter. Production totalled 76,160t at 9.6% Zn, 1.4% Pb and 0.3% Cu. Excavation of the decline is continuing, as is drilling for down-plunge extensions of the orebody.

Dry River South ore was treated at the Mount Garnet Polymetallic Plant. In late 2008, Kagara suspended all polymetallic development and mining at the Dry River South underground mine.

Web Page

www.kagara.com.au

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493407 **DUARINGA - CENTRAL AREA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 50 KM NORTH OF DINGO, 200KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8751 STRATHCONAN

Grid Reference: Zone 55 740114 mE 7435171 mN Latitude -23.1749 Longitude 149.3456 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Central Area

Commodities	Size	Size Definition
OIL SHALE	LARGE	> 1 000 000 000 barrels OSH

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	3460	100.00%	QUEENSLAND ENERGY RESOURCES LIMITED
MDL	297	50.00%	CENTRAL PACIFIC MINERALS NL
MDL	297	50.00%	LAGUNA RESOURCES NL

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DUARINGA BASIN	Duaringa Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	EARLY TERTIARY

Comments

The Duaringa Oil Shale Project was acquired from Southern Pacific Petroleum NL by Queensland Energy Resources Ltd in 2004.

Web Page

www.qer.com.au

Queensland Minerals

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493409 **DUARINGA - NORTHERN AREA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 80 KM NORTH OF WALTON, 240KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8752 MOUNT BLUFFKIN

Grid Reference: Zone 55 715114 mE 7473171 mN Latitude -22.8353 Longitude 149.0962 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Northern Area

Commodities	Size	Size Definition
OIL SHALE	LARGE	> 1 000 000 000 barrels OSH

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	3459	100.00%	QUEENSLAND ENERGY RESOURCES LIMITED
MDL	297	50.00%	CENTRAL PACIFIC MINERALS NL
MDL	297	50.00%	LAGUNA RESOURCES NL

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DUARINGA BASIN	Duaringa Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	EARLY TERTIARY

Comments

In 2004, Southern Pacific Petroleum NL sold its oil shale assets to Queensland Energy Resources Ltd.

Web Page

www.qer.com.au

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493405 **DUARINGA - SOUTHERN AREA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 13 KN NORTH WEST OF DUARINGA, 170KM WNW OF GLADSTONE.

1:100 000 sheet Number and Name: 8850 DUARINGA

Grid Reference: Zone 55 762114 mE 7385171 mN Latitude -23.6228 Longitude 149.5690 Date Recorded: 19/May/2015

Other Names for Deposit / Mine

Southern Area

Commodities	Size	Size Definition
OIL SHALE	MEDIUM	10 000 000 - 1 billion barrels OSH

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	3458	100.00%	QUEENSLAND ENERGY RESOURCES LIMITED
MDL	296	100.00%	QUEENSLAND ENERGY RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DUARINGA BASIN	Duaringa Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	EARLY TERTIARY

Comments

In 2004, Southern Pacific Petroleum NL sold its oil shale assets to Queensland Energy Resources Ltd.

Web Page

www.qer.com.au

Queensland Minerals

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490985 **DUARINGA KAOLIN**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 5KM SE OF DUARINGA, 155KM WNW OF GLADSTONE.

1:100 000 sheet Number and Name: 8850 DUARINGA

Grid Reference: Zone 55 774324 mE 7368649 mN Latitude -23.7698 Longitude 149.6916 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
KAOLIN / KAOLINITE	MEDIUM	200 000 - 20 000 000 tonnes KAO

Production Details

Period: 1-Jul-1998 to 30-Jun-1999		
KAOLIN / KAOLINITE	5,000.0 tonnes	
Period: 1-Jul-1999 to 30-Jun-2000		
KAOLIN / KAOLINITE	7,766.1 tonnes	
Period: 1-Jul-2000 to 30-Jun-2001		
KAOLIN / KAOLINITE	2,757.0 tonnes	
Period: 1-Jul-2001 to 30-Jun-2002		
KAOLIN / KAOLINITE	447.4 tonnes	

Published Reserves/Resources

Company Report 24308 Published in 1993

PROVED ORE RESERVE

1,000,000 Tonnes KAOLIN / KAOLINITE

Defined from 12 drillholes within and between ML 7453 and ML 7454 that demonstrated the deposit was 10 to 16m deep.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1995	to	1997	Evaluation and mining of this deposit commenced around 1995.
1998	to	2002	Supersorb Minerals NL (now merged with Talon Resources) acquired the assests of Queensland Kaolin Mines in January 1998.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	80078	100.00%	QLD ZEOLITE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DUARINGA BASIN	Duaringa Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC KAOLIN

Mineralisation Age

ORE	LATE TERTIARY

Comments

Tertiary sediments of the Duaringa Basin contain tuffaceous horizons which have been lateritised during the Late Tertiary to form the kaolin deposits mined near Duaringa. The ore mined contained 30% kaolin cemented by secondary opaline silica.

The raw material was crushed, screened, dried, and classified into a range of kaolin products for absorption applications which include pet litter, oil absorption, potting mix components and hydroponics as well as a range of industrial applications.

In 2006, Supersorb announced that an agreement had been reached to sell the freehold land owned by it at Duaringa. The deposit is now owned by Queensland Zeolite Pty Ltd.

Web Page

Queensland Minerals

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494043 **DUCHESS**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 80KM SSE OF MT ISA; 1KM SSW OF DUCHESS

1:100 000 sheet Number and Name: 6855 DUCHESS

Grid Reference: Zone 54 381921 mE 7637282 mN Latitude -21.3626 Longitude 139.8611 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	31-Dec-1920		204,690 tonnes HARD ROCK ORE (OR REEF)	
COPPER		METAL	25,405.0 tonnes	12.30 percent
GOLD		FINE	76.1 kilograms	
SILVER			61.8 kilograms	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1905	to	1921	Discovered in 1905 and worked by the Hampden-Cloncurry Company until 1921.
1927	to	1927	Some production recorded, but probably from ore remaining at grass when the mine closed.

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	326m deep
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9083	100.00%	GOLDMINCO RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Mount Erle Igneous Complex / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD
DETAILED OREBODY MODEL	VEIN CALCITE +/- CU

Mineralisation Age

ORE	PROTEROZOIC

Comments

Barrick (Osborne) Pty Limited have entered into a JV with Goldminco Corporation over the Duchess Project. Drilling undertaken by Barrick along the Duchess Lodes returned narrow, low grade mineralisation.

Web Page

www.goldminco.com

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486920 **DUFFER**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 26KM WEST OF PROSERPINE; 51KM SSE OF BOWEN.

1:100 000 sheet Number and Name: 8557 BOWEN

Grid Reference: Zone 55 645855 mE 7738113 mN Latitude -20.4498 Longitude 148.3982 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Kelsey Creek
Dittmer
Ditmer

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period:	1-Jan-1935	to	31-Dec-1947		10,887 tonnes HARD ROCK ORE (OR REEF)	
GOLD				FINE	1,645.4 kilograms	151.13 grams per tonne
SILVER					727.2 kilograms	66.79 grams per tonne
COPPER				METAL	300.3 tonnes	2.76 percent
Period:	1-Jan-1949	to	31-Dec-1949		1,951 tonnes DUMP	
GOLD				BULLION	10.4 kilograms	5.33 grams per tonne
Period:	1-Jul-1950	to	30-Jun-1951		9,915 tonnes HARD ROCK ORE (OR REEF)	
GOLD				FINE	40.5 kilograms	4.08 grams per tonne
SILVER					1.2 kilograms	0.12 grams per tonne
Period:	1-Jan-1954	to	31-Dec-1954			
GOLD				FINE	5.7 kilograms	
SILVER					1.2 kilograms	
Period:	1-Jan-1968	to	31-Dec-1968		16 tonnes DUMP	
GOLD				BULLION	2.2 kilograms	136.40 grams per tonne
Period:	1-Jan-1969	to	31-Dec-1969		290 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	15.5 kilograms	53.48 grams per tonne
Period:	1-Jan-1971	to	31-Dec-1971			
GOLD				BULLION	1.3 kilograms	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1934	to	1947	The Dittmer deposit was discovered in 1934 and was worked continuously until 1947. In 1937, the Kelsey Creek Gold Mines Pty Ltd took over the leases from the discoverers. This company was renamed Dittmer Gold Mines Pty Ltd in May 1942.
1949	to	1951	Mine dumps processed and a small amount of new underground mining completed. Mine abandoned in 1952.
1968	to	1970	Intermittent mining by Clarke Spur Mining Company.

Mining Operations

SHAFTS

ADITS

UNDERGROUND MINING METHODS

STOPING

Comments

Lode largely worked out over 270m down to the Number 6 level.

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
EPM	14255	20.00%	WILSON	Douglas John
EPM	14255	40.00%	WILSON	Leslie James
EPM	14255	40.00%	SPRUCE	Rowan Barry

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CONNORS SUBPROVINCE	Carmila beds / EARLY PERMIAN to EARLY PERMIAN

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Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE	LATE PERMIAN

Comments

Worked by Buddha Gold Mines in the mid to late 1980s. Within Restricted Area 203 "Peter Faust Dam Catchment Area".

Web Page

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493639 **DUGALD RIVER**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 18.6 KM NW OF QUAMBY

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 411831 mE 7760128 mN Latitude -20.2545 Longitude 140.1558 Date Recorded: 9/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ZINC	GIANT	>5 000 000 tonnes ZN
LEAD	MEDIUM	100 000 - 2 500 000 tonnes PB
SILVER	MEDIUM	500 - 5 000 tonnes AG
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 10509 Published in 2016 **DUGALD RIVER CU ORE**

INFERRED MINERAL RESOURCE 4,400,000 tonnes Ore @

1.80 % COPPER **FOR** 79,200 Tonnes COPPER

0.20 g/t GOLD **FOR** 880 Kilograms GOLD

Comments/Cut Off Factor: 1% Cu cutoff.

BR 10509 Published in 2016 **DUGALD RIVER ZN ORE**

INDICATED MINERAL RESOURCE 27,100,000 tonnes Ore @

12.90 % ZINC **FOR** 3,495,900 Tonnes ZINC

50.00 g/t SILVER **FOR** 1,355,000 Kilograms SILVER

2.20 % LEAD **FOR** 596,200 Tonnes LEAD

Comments/Cut Off Factor: 6% Zn cutoff

Includes probable reserve of 21.2 Mt at 12.6% Zn, 2.2% Pb and 49g/t Ag.

BR 10509 Published in 2016 **DUGALD RIVER ZN ORE**

INFERRED MINERAL RESOURCE 28,500,000 tonnes Ore @

12.00 % ZINC **FOR** 3,420,000 Tonnes ZINC

1.70 % LEAD **FOR** 484,500 Tonnes LEAD

13.00 g/t SILVER **FOR** 370,500 Kilograms SILVER

Comments/Cut Off Factor: 6% Zn cutoff

BR 10509 Published in 2016 **DUGALD RIVER ZN ORE**

MEASURED MINERAL RESOURCE 5,500,000 tonnes Ore @

14.20 % ZINC **FOR** 781,000 Tonnes ZINC

64.00 g/t SILVER **FOR** 358,400 Kilograms SILVER

2.00 % LEAD **FOR** 112,000 Tonnes LEAD

Comments/Cut Off Factor: 6% Zn cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10509	2016	MMG LIMITED	MMG MINERAL RESOURCES AND ORE RESERVES STATEMENT AS AT 30 JUNE 2016	MMG LIMITED, MELBOURNE. HTTP://WWW.MMG.COM 18-OCTOBER 2016

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Old shaft excavated prior to 1881 and deepened before 1936.
TRENCHES	Old costeans
UNDERGROUND MINING METHODS	

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Tenure Type/Number		SHARE	Company Name/Surname
ML	2467	100.00%	MMG DUGALD RIVER PTY LTD
ML	2468	100.00%	MMG DUGALD RIVER PTY LTD
ML	2469	100.00%	MMG DUGALD RIVER PTY LTD
ML	2499	100.00%	MMG DUGALD RIVER PTY LTD
ML	2500	100.00%	MMG DUGALD RIVER PTY LTD
ML	2501	100.00%	MMG DUGALD RIVER PTY LTD
ML	2502	100.00%	MMG DUGALD RIVER PTY LTD
ML	2684	100.00%	MMG DUGALD RIVER PTY LTD
ML	2685	100.00%	MMG DUGALD RIVER PTY LTD
ML	7496	100.00%	MMG DUGALD RIVER PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Dugald River Shale Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (SEDEX ZN-PB, SHALE-HOSTED ZN-PB)

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

The Dugald River Lode was discovered prior to 1881 but has never been mined. The deposit is a classical example of a stratabound zinc-lead sulphide accumulation in a graphitic black shale.

The main sulphide minerals in order of decreasing abundance are pyrrhotite, sphalerite, pyrite and galena in a gangue of graphitic shale and slate, quartz and carbonates. The ore is banded, with sulphide bands alternating with graphitic shale bands.

The deposit is enriched in manganese, barium, cadmium and mercury but is depleted in copper and arsenic relative to the enclosing rocks.

In December 2006, Zinifex Ltd announced that a pre-feasibility study indicated that the project would cost <$500 million to develop. The mine would deliver 200 000t Zn, 40 000 Pb and 1.5 million ounces Ag per annum in concentrate.

A full feasibility study commenced in 2007 with results of the study in 2008 determining that approximately 200,000t Zn, 25,000t Pb and 1,000,000 ozs Ag could be produced for a period of 23 years.

The exploration camp, site infrastructure and core shed construction were commissioned in late February 2008. Resource drilling is in progress, as well as metallurgical and environmental studies.

The final decision on whether to develop Dugald River was made in 2012 and subject to other required approvals MMG Limited aims to have the Dugald River mine commence zinc production in 2014.

MMG released its Environmental Impact Statement (EIS) on 24 January 2011 with plans to start developing the deposit mid 2011 (BR 9617).

MMG reported development progress in March Quarter 2016: 1,676m of lateral development, 17,964m of diamond drilling and 421m of vertical raise boring. First concentrate production is still expected in the first half of 2018.

The final 118kt from the 450kt of trial stoping ore was also processed during the March 2016 quarter at MMG¿s Century operation, producing 16.5kt of zinc in concentrate.

Dugald River will also produce significant by-products, including 18,000 t of lead and 981,000 ounces of silver per year. Construction of remaining infrastructure is expected to commence during 2016 with first production from a Dugald concentrator in 2018

MMG plans to transport zinc and lead concentrates in sealed containers by road to Cloncurry and then by rail to the Port of Townsville for export or transport to customers.

By July 2015 approximately 450,000 t of underground ore material with an average grade of 13.3% zinc was stockpiled. The stockpiled Dugald River ore will be processed using existing Century infrastructure into 2016.

Trucking of this ore to Century commenced in May 2015 with a total of 296,600 t stockpiled at Century by the close of the September 2015 quarter. MMG anticipates that it will take approximately four to six weeks to process this total volume of ore.

The 2015 development plan includes a production rate of 1.5Mtpa, construction of a concentrator and annual production of approximately 160,000 tonnes of zinc in zinc concentrate over an estimated 28-year mine life.

Because of complexities in the Dugald River ore body extensive trial stoping and geotechnical analysis has been carried out since March 2014, to determine the optimal mining method including stope design and productivity assumptions.

As at the third quarter 2014, a total of 13 out of 22 trial stopes had been successfully mined and backfilled. Stope spans between 15m and 30m have proven stable for the geotechnical conditions encountered, and a geological and geotechnical program is now underway to review the findings in relation to the entire ore body. Mine life of more than 20 years is envisaged. The ore body remains open at depth (BR10311).

Web Page

http://www.mmg.com/

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494215 **DUKE BATMAN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: EAST OF GIDYA CREEK, ~70M NNE OF POWER PYLON NO 156

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 328929 mE 7789967 mN Latitude -19.9793 Longitude 139.3650 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Batman

Duke Batman Prospect

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U

Production Details

Published Reserves/Resources

BR 9919 Published in 2012 **DUKE BATMAN**

INDICATED MINERAL RESOURCE 500,000 tonnes Ore @ 0.14 % URANIUM OXIDE **FOR** 685 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 250ppm U3O8 from XRF analysis.

BR 9919 Published in 2012 **DUKE BATMAN**

INFERRED MINERAL RESOURCE 300,000 tonnes Ore @ 0.11 % URANIUM OXIDE **FOR** 330 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 250ppm U3O8 from XRF anaysis.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9919	2012	PALADIN ENERGY LIMITED	ANNUAL REPORT 2012.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 30 AUGUST 2012. PALADIN ENERGY LIMITED, SUBIACO

Major Mining Related Events

Year Commenced	Year Completed	Comments
		ML 4306 - Batman; ML 5848 - New Batman

Mining Operations	Comments
SHAFTS	
TRENCHES	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	12572	100.00%	FUSION RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Cromwell Metabasalt Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	STRATABOUND URANIUM-COPPER

Mineralisation Age

ORE PROTEROZOIC

Comments

Batman and Honey Pot Prospect were acquired from Fusion Resources Ltd by Paladin Energy Ltd in 2009.

Web Page

www.fusionresources.com.au

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479810 **DURHAM**

ABANDONED MINE

Descriptive Location: 47.2 KM E OF FOREST HOME HOMESTEAD.

1:100 000 sheet Number and Name: 7561 FOREST HOME

Grid Reference: Zone 54 761571 mE 7976066 mN Latitude -18.2889 Longitude 143.4743 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Fox

Bull Durham

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period: 1-Jan-1879 to 31-Dec-1918 27,784 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	858.2 kilograms
GOLD	FINE	7.9 kilograms
SILVER		5.0 kilograms
LEAD	METAL	3.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	Four underground mine levels developed prior to recent opencutting. Open cut sites approximately above extent of underground developments.
PITS	
SHAFTS	
OPEN CUT MINING	Two open cuts excavated by Union mining along trend of reef in 1996. The western pit is 200m long x 20m wide, the eastern pit is 400m long x 20m wide.

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Forsayth Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	BASE METAL (POLYMETALLIC)

Mineralisation Age

ORE PALAEOZOIC

Comments

Three reefs trend 042 degrees and numerous shafts, pits and costeans can be traced on the surface for almost 1km from the Durham mine in the south-west to the Hibernia mine in the north-east, before reching the banks of Chinaman Creek.
The Durham reef dips 35 degrees to the north-west and ranged in thickness from 0.05 to 3.6m, but was seldom gretaer than 0.46m wide.
Pyrite and galena occur disseminated in the reef and are associated with the gold.

Web Page

http://www.plentex.com.au

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491174 **EAST GALAH CREEK**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 44 KM WEST OF GUNPOWDER, 105KM NORTH OF MT ISA.

1:100 000 sheet Number and Name: 6658 UNDILLA

Grid Reference: Zone 54 289620 mE 7814165 mN Latitude -19.7569 Longitude 138.9922 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

Company Report 3159 Published in 1970 **EAST GALAH CREEK**

INDICATED MINERAL RESOURCE 20,700,000 tonnes Ore @ 18.30 % PHOSPHATE **FOR** 3,788,100 Tonnes PHOSPHATE

Averages 18.3% P2O5

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Beetle Creek Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	MIDDLE CAMBRIAN

Comments

Web Page

www.copperco.com.au

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43789 **EAST LEADINGHAM**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 20.8 KM ESE OF THORNBOROUGH, 60KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7964 RUMULA

Grid Reference: Zone 55 307984 mE 8120030 mN Latitude -16.9957 Longitude 145.1964 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Emily Extended

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
ANTIMONY	SMALL	50 - 5 000 tonnes SB

Production Details

Period: 1-Oct-1991 to 30-Jun-1992 15,968 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 156.8 kilograms 9.82 grams per tonne

Published Reserves/Resources

BR 8041 Published in 2005 **EAST LEADINGHAM**

INDICATED MINERAL RESOURCE 169,000 tonnes Ore @

1.60 g/t GOLD **FOR** 270 Kilograms GOLD

0.09 % ANTIMONY **FOR** 152 Tonnes ANTIMONY

Comments/Cut Off Factor: Cutoff not reported

BR 8041 Published in 2005 **EAST LEADINGHAM**

INFERRED MINERAL RESOURCE 92,000 tonnes Ore @

1.60 g/t GOLD **FOR** 147 Kilograms GOLD

0.09 % ANTIMONY **FOR** 82 Tonnes ANTIMONY

Comments/Cut Off Factor: Cutoff not reported

BR 8041 Published in 2005 **EAST LEADINGHAM**

MEASURED MINERAL RESOURCE 296,000 tonnes Ore @

2.90 g/t GOLD **FOR** 858 Kilograms GOLD

0.22 % ANTIMONY **FOR** 651 Tonnes ANTIMONY

Comments/Cut Off Factor: Cutoff not reported

2011 resource figures not entered -> since they are not itemised to individual deposits

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8041	2005	REPUBLIC GOLD LIMITED	ASX ANNOUNCEMENT - 31 OCTOBER 2005 - NORTHCOTE PROJECT: SIGNIFICANT GOLD RESOURCE UPGRADE FROM 212,000 OUNCES TO 260,000 OUNCES.	REPUBLIC GOLD LIMITED, MELBOURNE

Major Mining Related Events

Year Commenced		Year Completed	Comments
1991	to	1992	Opencut mining operations of oxide ore.

Mining Operations	Comments
OPEN CUT MINING	
PITS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9869	100.00%	TERRITORY MINERALS LTD
ML	20525	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)

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Mineralisation Age

ORE	DEVONIAN	Drill core of the mineralisation shows silicified fault gouge with disseminated sulphides, rounded and eroded silicious clasts with <5mm quartz veins carrying pyrite. Zoned sulphide clots in veins.

Comments

The lode comprises a south-east-trending, 1 to 3m wide zone of quartz veins with up to 2m of quartz-carbonate veining and sericite-pyrite-arsenopyrite alteration.
This system is thought to be related to the quartz-stibnite mineralisation found elsewhere in the Hodgkinson Province.
These veins are thought to have a metamorphic fluid source, albeit with separate flow paths to the typical slate belt gold mineralisation found elsewhere. However, a Carboniferous intrusive-related source has also been postulated.
Drilling results announced in October 2008 tested the continuation of the Emily Structure with intersections of 8m @ 2.08 g/t Au from 42m and 6m @ 2.49 g/t au from 62m.
In 2010&2011 Republic Gold reported upgraded combined resources for "total Northcote" which included this deposit: Measured resource 1500000t at 2.2g/t Au, indicated resource 2296000t at 1.6g/t Au and inferred resource 1210666t at 1.6g/t Au (BR9939).

Web Page

www.republicgold.com.au

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494924 **EBENEZER**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 10KM SOUTHEAST OF IPSWICH, BRISBANE AREA.

1:100 000 sheet Number and Name: 9442 IPSWICH

Grid Reference: Zone 56 465426 mE 6938392 mN Latitude -27.6781 Longitude 152.6494 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Ebenezer East

Commodities	Size	Size Definition
BENTONITE	MEDIUM	200 000 - 20 000 000 tonnes BENT

Production Details

Period:	1-Jul-1996	to	30-Jun-1997
BENTONITE			3,155.0 tonnes
Period:	1-Jul-1997	to	30-Jun-1998
BENTONITE			7,582.0 tonnes
Period:	1-Jul-1998	to	30-Jun-1999
BENTONITE			7,201.0 tonnes
Period:	1-Jul-1999	to	30-Jun-2000
BENTONITE			6,279.0 tonnes
Period:	1-Jul-2000	to	30-Jun-2001
BENTONITE			4,956.0 tonnes
Period:	1-Jul-2001	to	30-Jun-2002
BENTONITE			2,352.0 tonnes
Period:	1-Jul-2003	to	30-Jun-2004
BENTONITE			102,012.0 tonnes

Published Reserves/Resources

EBENEZER

PROVED ORE RESERVE

1,900,000 Tonnes BENTONITE

Comments/Cut Off Factor: The proven bentonite reserves were estimated by Mr. Thor Burding pers. comm 1999.
The combined current proven bentonite reserves of ML4712 plus ML50100 were estimated by Mr. Thor Burding. Personal Communication 19/2/1999.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1994	to	2004	Mining of sodium bentonite began in 1994 at the Ebenezer coal mine.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	4712	100.00%	ZEDEMAR HOLDINGS PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CLARENCE-MORETON BASIN	Walloon Subgroup / MIDDLE JURASSIC to MIDDLE JURASSIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	JURASSIC

Comments

Bentonite was mined from a layer averaging 0.4m thick. The product was sold as stock feed additive, pet litter and drilling muds.

Web Page

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479619 **EINASLEIGH**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 0.8 KM NORTH-EAST OF EINASLEIGH, 230KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7760 EINASLEIGH

Grid Reference: Zone 55 193775 mE 7951210 mN Latitude -18.5074 Longitude 144.0999 Date Recorded: 8/March/2016

Other Names for Deposit / Mine

Einasleigh Copper Mine
Einasleigh Prospect

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU
BISMUTH	VERY SMALL	<50 tonnes BI
MOLYBDENUM	VERY SMALL	<50 tonnes MO

Production Details

Period: 1-Jan-1898 to 31-Dec-1922 136,412 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	8,237.0 tonnes	6.00 percent
SILVER		4,083.0 kilograms	
GOLD	BULLION	71.2 kilograms	

Published Reserves/Resources

BR 10071 Published in 2012 **EINASLEIGH**

INDICATED MINERAL RESOURCE 500,000 tonnes Ore @

4.00 % COPPER	**FOR**	20,000 Tonnes COPPER
18.00 g/t SILVER	**FOR**	9,000 Kilograms SILVER
0.22 g/t GOLD	**FOR**	110 Kilograms GOLD

Comments/Cut Off Factor: 1.0% Cu cut-off

BR 10071 Published in 2012 **EINASLEIGH**

INFERRED MINERAL RESOURCE 600,000 tonnes Ore @

1.90 % COPPER	**FOR**	11,400 Tonnes COPPER
8.00 g/t SILVER	**FOR**	4,800 Kilograms SILVER
0.10 g/t GOLD	**FOR**	60 Kilograms GOLD

Comments/Cut Off Factor: 1.0% Cu cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10071	2012	KAGARA MINING	OPPORTUNITY TO ACQUIRE KAGARA LIMITED'S NORTH QUEENSLAND ASSETS	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 14 SEPTEMBER 2012 KAGARA MINING, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1864	to	1867	Discovered by Richard Daintree in 1964, he also mined the deposit for 3 years.
1898	to	1902	Second phase of mining.
1907	to	1922	Rail link constructed from Einasleigh to Almaden. Last period of historical mining.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
SHAFTS	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13072	100.00%	SNOW PEAK MINING PTY LTD
ML	30212	100.00%	SNOW PEAK MINING PTY LTD
ML	30214	100.00%	SNOW PEAK MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Einasleigh Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (BROKEN HILL TYPE)
DETAILED OREBODY MODEL	BASE METAL SKARN

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

Stratabound iron and copper sulphides occur within high-grade gneisses of the Einasleigh Metamorphics.
The orebodies comprise quartz-biotite-garnet-feldspar-barite gneiss containing pyrrhotite, chalcopyrite, cubanite, minor pyrite, sphalerite and traces of molybdenite and gold.
Small bodies of garnetite, ferruginous barite-andradite and oligoclase-carbonate rocks occur immediately adjacent to the deposit. The deposit and the host rocks have been multiply deformed and are strongly metamorphosed.
In February 2007, Copper Strike announced a favourable outcome from a feasibility study that would see the mining of 0.48Mt at 3.7% Cu, 0.21g/t Au and 16g/t Ag from the Einasleigh deposit.

Web Page

http://www.kagara.com.au

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532244 **ELAINE DOROTHY**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 51.6KM WEST-SOUTH-WEST OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 398301 mE 7699366 mN Latitude -20.8028 Longitude 140.0228 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Elaine
Elaine Dorothy No. 1
Petur

Commodities	Size	Size Definition
RARE EARTH ELEMENTS	SMALL	1 - 1 000 tonnes REE
URANIUM	VERY SMALL	<100 tonnes U
COPPER	LARGE	250 000 - 2 000 000 tonnes CU
COBALT	VERY SMALL	<10 tonnes CO
MOLYBDENUM	VERY SMALL	<50 tonnes MO
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Published Reserves/Resources

BR 9456 Published in 2010 **ELAINE DOROTHY**

INFERRED MINERAL RESOURCE 83,000 tonnes Ore @

0.32 % RARE EARTH ELEMENTS **FOR** 268 Tonnes RARE EARTH ELEMENTS

0.03 % URANIUM OXIDE **FOR** 23 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 200ppm U3O8

BR 10185 Published in 2013 **ELAINE DOROTHY**

INFERRED MINERAL RESOURCE 277,000,000 tonnes Ore @

0.53 % COPPER **FOR** 1,468,100 Tonnes COPPER

0.08 g/t GOLD **FOR** 22,160 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10185	2013	CHINALCO YUNNAN COPPER RESOURCES LIMITED	ON THE PATH TO PRODUCTION: A PRESENTATION TO THE AUSTRALIAN COPPER CONFERENCE: 10 JUNE 2013	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 10 JUNE 2013. CHINALCO YUNNAN COPPER RESOURCES LIMITED, BRISBANE.
BR 9456	2010	CHINA YUNNAN COPPER AUSTRALIA LIMITED	INFERRED RESOURCE ESTIMATE - ELAINE-DOROTHY URANIUM-RARE EARTH ELEMENT (REE).	ANNOUNCEMENT OT THE AUSTRAKLIAN SECURITIES EXCHANGE, 24 MARCH 2010. CHINA YUNNAN COPPER AUSTRALIA LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	main pit 3m long x 2m wide x 2m deep

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14022	20.00%	GOLDSEARCH LIMITED
EPM	14022	80.00%	CHINALCO YUNNAN COPPER RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL HYDROTHERMAL VEINS/PIPE/STOCKWORK

DETAILED OREBODY MODEL SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE PALAEOPROTEROZOIC

Comments

Drilling by Goldsearch in 2008 intersected a sequence of variably altered garnet-, chlorite- and biotite-bearing calc-silicate metasedimentary rocks. Minor pyrite and possible allanite mineralisation occur between 204 and 219m depth.

Drill chips returned up to 1m at 57.5ppm U, 0.1% rare earth oxides and 0.14% Cu. The mineralised zone appears to have limited economic potential at depth.

GoldSearch Ltd became 100% owner of the Mary Kathleen project in the June 2009 quarter. Goldsearch entered into a farm-out and joint venture agreement with China Yunnan Copper Australia Ltd in August 2009 to explore the project area

July 2011 - Chinalco Copper Resources drilled 4 core holes. Intersections included 346m at 0.28% Cu and 220ppm Co from 263m and 122m at 0.56% Cu and 319ppm Co from 487m. Wide sulphide Cu-Co zone on western side of prospect.

Jan 2010: Follow-up results - significant intercept MKED-003: 3.5m @ 1.60kg/t U3O8 & 3.81% total rare earth oxide (TREO) confirms significant REE mineralisation (BR9552).

Sept 2010: China Yunnan Copper reports discovery of new copper (&molybdenum) zone. 2009 drill hole MKED003 intersected 2m @ 0.32% Cu and 964ppm Mo from 71m (BR9553).

Petrographic studies of 15 samples from MKED003 by Dr Nick Oliver (JCU) confirms mineralisation is dominated by an allanite -uraninite - titanite - garnet +/- calcite apatite - pyrite - pyrrhotite association overprinting a skarn body (BR9553).

Previous work (CR9295, 1980) did not target Cu mineralisation. CYCAL noted in 2010 that on historic drill pad EP004 cuttings comprise malachite stained calc-silicates & biotite schist. EP004 drill logs show sulphide mineralisation >42m aver. 30% sulphides The sulphides in EP004 were identified as pyrite +/- pyrrhotite +/- chalcopyrite. Assays done previously were only assayed for uranium and thorium.

Jan 2010: Drilling by China Yunnan Copper in late 2009 intersected 3m at 1.32kg/t U3O8, 1.17% Ce and 0.59% La from 27.5m (including 1m at 2.85kg/t U3O8, 1.67% Ce and 0.81% La from 28.5m) and 1m at 0.62% Cu and 1740ppm Mo from 72m (BR9422).

Web Page

www.goldsearch.com.au; www.cycal.com.au

Queensland Minerals

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480372 **ELECTRIC LIGHT**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 13.7 KM NNE OF GEORGETOWN, 250KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7661 GEORGETOWN

Grid Reference: Zone 54 772220 mE 7988966 mN Latitude -18.1711 Longitude 143.5732 Date Recorded: 10/March/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1899 to 31-Dec-1933 271 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 14.9 kilograms

Period: 1-Jul-2011 to 30-Jun-2014

GOLD FINE 250.9 kilograms

SILVER 120.9 kilograms

Published Reserves/Resources

BR 7975 Published in 2006 **OXIDE**

INDICATED MINERAL RESOURCE 20,000 tonnes Ore @ 6.90 g/t GOLD **FOR** 138 Kilograms GOLD

BR 7975 Published in 2006 **SULPHIDE**

INDICATED MINERAL RESOURCE 49,800 tonnes Ore @ 8.30 g/t GOLD **FOR** 413 Kilograms GOLD

BR 7975 Published in 2006 **SULPHIDE**

INFERRED MINERAL RESOURCE 114,000 tonnes Ore @ 8.00 g/t GOLD **FOR** 912 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7975	2006	PLENTEX LIMITED	ACQUISITION OF GEORGETOWN MINING LIMITED AND MINERAL TENEMENTS AND DECOMMISSIONED CIP PLANT FROM OTHER PARTIES.	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE, 15 SEPTEMBER 2006. PLENTEX LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8545	100.00%	CENTRAL GOLD MINES PTY LTD
ML	3548	100.00%	CENTRAL GOLD MINES PTY LTD
ML	30228	100.00%	CENTRAL GOLD MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Delaney Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)	
DETAILED OREBODY MODEL	PORPHYRY-RELATED AURIFEROUS SUBVOLCANIC BRECCIAS AND VEINS	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

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Mineralisation Age

ORE	CARBONIFEROUS to PERMIAN

Comments

Mineralisation is essentially pyritic with significant arsenopyrite and is confined to altered volcanics. It is concentrated along a fracture zone parallel to the Delaney Fault.

Plentex Ltd acquired Georgetown Mining Limited in late 2006 and have commenced a feasilbility study on the Electric Light prospect.

Plentex plans to truck ore from the Electric Light and Red Dam prospects to its decommissioned CIP plant 6km south of Georgetown.

Deutsche Rohstoff AG mined Electric Light together with Red Dam and Jubilee Plunger and transported the ore to Georgetown for processing. All mining operations ceased in December 2011 and the operation was sold to JKO Mining in Sept 2012.

Joint production in 2011 from the Georgetown operations is reported in the Jubilee Plunger site. JKO Mining is hoping to recommence mining production in 2013.

Deutsche Rohstoff Australia Pty Ltd acquired Plentex Ltd in 2009 and began mining near surface oxide resources end of 2010 and completed mining early 2011. Exploration work is now being undertaken at the mine for sulphide resources (BR 9827).

Web Page

http://www.rohstoff.de and http://www.jkomining.com.au

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481359 **ELIZABETH CREEK**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 34.8 KM WEST-NORTH-WEST OF MOUNT SURPRISE.

1:100 000 sheet Number and Name: 7761 MOUNT SURPRISE

Grid Reference: Zone 55 184114 mE 8004870 mN Latitude -18.0216 Longitude 144.0168 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
TOPAZ	VERY SMALL	<0.1 tonnes TPZ
DIAMOND	VERY SMALL	<0.1 tonne DMD

Production Details

Period:	1-Jan-1977 to 31-Dec-1993	2,000,000	cubic metres ALLUVIUM
CASSITERITE		136.0	tonnes
TOPAZ		8.0	kilograms
TOPAZ		1,800.0	australian dollars

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1980	to	1983	Worked by Inbanco Mining Pty Ltd.

Mining Operations	Comments
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	5113	100.00%	WILCOX	Jenny

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN
DETAILED OREBODY MODEL	ALLUVIAL/ELUVIAL GEMSTONES

Mineralisation Age

ORE	CENOZOIC	Alluvium.

Comments

Elizabeth Creek has been mined mainly for cassiterite, with topaz as a by-product, over its lowermost reaches in the Mount Surprise 1:100 000 Sheet area.

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39753 **ELLEN HARKINS**

ABANDONED MINE

Descriptive Location: 1.8 KM SSE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467259 mE 7101720 mN Latitude -26.2036 Longitude 152.6723 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Ellen Harkins P.C.

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1870 to 31-Dec-1905 37,500 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,298.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Main workings are on Ellen Harkins reef. A patch of gold, reported at the time to be the richest ever at Gympie, was found in a 12m thick bed of pyrite-rich shale just above the 183m level. More than 620kg of Au was won with a few feet of shaft sinking.

The gold occurred in a north-plunging 'shoot' about 58m long by 12m high. At the 183m level, the eastern reef, which yielded very little gold, comprised a 50 to 75mm footwall vein and a 25mm hanging wall vein of quartz separated by a felspathic matrix.

At the 221m level, the eastern reef was 0.9m wide, comprising mainly mullock with about 0.2m of quartz (Rands, 1889, p25). Rands (1889, p4) noted that three beds of carbonaceous shale occurred within the greywacke-dominant 'third bed of slate'.

Web Page

www.bukagold.com.au

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43790 **EMILY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 20.3 KM EAST-SOUTH-EAST OF THORNBOROUGH, 55KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7964 RUMULA

Grid Reference: Zone 55 307544 mE 8120670 mN Latitude -16.9899 Longitude 145.1923 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
ANTIMONY	SMALL	50 - 5 000 tonnes SB
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1878 to 31-Dec-1992 10,857 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	57.7 kilograms
ANTIMONY		3.1 tonnes

Published Reserves/Resources

BR 8041 Published in 2005 **EMILY**

INDICATED MINERAL RESOURCE 402,000 tonnes Ore @

1.70 g/t GOLD **FOR** 683 Kilograms GOLD

0.01 % ANTIMONY **FOR** 40 Tonnes ANTIMONY

Comments/Cut Off Factor: Cutoff not reported

BR 8041 Published in 2005 **EMILY**

INFERRED MINERAL RESOURCE 106,000 tonnes Ore @

1.50 g/t GOLD **FOR** 159 Kilograms GOLD

0.02 % ANTIMONY **FOR** 21 Tonnes ANTIMONY

Comments/Cut Off Factor: Cutoff not reported

BR 8041 Published in 2005 **EMILY**

MEASURED MINERAL RESOURCE 256,000 tonnes Ore @

2.80 g/t GOLD **FOR** 716 Kilograms GOLD

0.21 % ANTIMONY **FOR** 537 Tonnes ANTIMONY

Comments/Cut Off Factor: Cutoff not reported

2011 Republic resource figures not itemised -> not updated

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8041	2005	REPUBLIC GOLD LIMITED	ASX ANNOUNCEMENT - 31 OCTOBER 2005 - NORTHCOTE PROJECT: SIGNIFICANT GOLD RESOURCE UPGRADE FROM 212,000 OUNCES TO 260,000 OUNCES.	REPUBLIC GOLD LIMITED, MELBOURNE

Major Mining Related Events

Year Commenced		Year Completed	Comments
1991	to	1992	Oxide mined by Nittoc International Co. Ltd.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9869	100.00%	TERRITORY MINERALS LTD
ML	20525	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

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Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)
GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK

Mineralisation Age

ORE	DEVONIAN

Comments

The lode occurs within a large south-east-trending fault structure and is part of Republic Gold Ltd's Northcote project.
In 2010&2011 Republic Gold reported upgraded combined resources for "total Northcote" which included this deposit: Measured resource 1500000t at 2.2g/t Au, indicated resource 2296000t at 1.6g/t Au and inferred resource 1210666t at 1.6g/t Au (BR9939).

Web Page

www.republicgold.com.au

Queensland Minerals

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43791 **EMILY SOUTH**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 20.2 KM EAST-SOUTH-EAST OF THORNBOROUGH, 58KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7964 RUMULA

Grid Reference: Zone 55 307364 mE 8120250 mN Latitude -16.9937 Longitude 145.1906 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

South Emily

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
ANTIMONY	SMALL	50 - 5 000 tonnes SB
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jul-1991 to 30-Jun-1992 11,884 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 44.3 kilograms 3.73 grams per tonne

Published Reserves/Resources

BR 8041 Published in 2005 **EMILY SOUTH**

INDICATED MINERAL RESOURCE 80,000 tonnes Ore @

2.20 g/t GOLD **FOR** 176 Kilograms GOLD

0.02 % ANTIMONY **FOR** 16 Tonnes ANTIMONY

Comments/Cut Off Factor: Cutoff not reported

BR 8041 Published in 2005 **EMILY SOUTH**

INFERRED MINERAL RESOURCE 50,000 tonnes Ore @

2.10 g/t GOLD **FOR** 105 Kilograms GOLD

0.03 % ANTIMONY **FOR** 15 Tonnes ANTIMONY

Comments/Cut Off Factor: Cutoff not reported

BR 8041 Published in 2005 **EMILY SOUTH**

MEASURED MINERAL RESOURCE 92,000 tonnes Ore @

2.40 g/t GOLD **FOR** 220 Kilograms GOLD

0.06 % ANTIMONY **FOR** 55 Tonnes ANTIMONY

Comments/Cut Off Factor: Cut-off not reported

2011 Republic resource figures not itemised -> not updated

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8041	2005	REPUBLIC GOLD LIMITED	ASX ANNOUNCEMENT - 31 OCTOBER 2005 - NORTHCOTE PROJECT: SIGNIFICANT GOLD RESOURCE UPGRADE FROM 212,000 OUNCES TO 260,000 OUNCES.	REPUBLIC GOLD LIMITED, MELBOURNE

Major Mining Related Events

Year Commenced		Year Completed	Comments
1991	to	1992	Oxide ore mined by Nittoc International Company Ltd.

Mining Operations	Comments
OPEN CUT MINING	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9869	100.00%	TERRITORY MINERALS LTD
ML	20525	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	SIMPLE SB (QUARTZ-STIBNITE TYPE)	

Mineralisation Age

ORE DEVONIAN

Comments

This deposit is 500m south of the main Emily resource and crops out as a 1-3m wide quartz vein. It is part of Republic Gold Ltd's Northcote project.

In 2010&2011 Republic Gold reported upgraded combined resources for "total Northcote" which included this deposit: Measured resource 1500000t at 2.2g/t Au, indicated resource 2296000t at 1.6g/t Au and inferred resource 1210666t at 1.6g/t Au (BR9939).

Web Page

www.republicgold.com.au

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42330 **EMUFORD TIN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 90KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 291766 mE 8068523 mN Latitude -17.4596 Longitude 145.0392 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Published Reserves/Resources

BR 6053 Published in 1999 **ML 20195 AREA EMUFORD DUMP**

INFERRED MINERAL RESOURCE 2,000,000 cubic metres Ore @ 550.00 g/m*3 CASSITERITE **FOR** 1,100 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	20360	100.00%	WALLACE	Ian Earl

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Emuford Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE	PALAEOZOIC

Comments

Proposal to retreat old tin mine dumps in the area.

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38245 **ER AREA**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 21.0KM SE OF WEIPA AIRSTRIP, 555KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7372 YORK DOWNS

Grid Reference: Zone 54 614122 mE 8582167 mN Latitude -12.8233 Longitude 142.0516 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

North Coconut Project

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

Company Report 4557 Published in 1973

INFERRED MINERAL RESOURCE 700,000 tonnes Ore @
700,000 Tonnes BAUXITE

Comments/Cut Off Factor: >35% alumina and <12% reactive silica

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15269	100.00%	CAPE ALUMINA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

Cape Alumina Pty Ltd, a 50%-owned subsidiary of Metallica Minerals Ltd, has applied for EPM 15269, which includes the ER Area.
Austral Pacific estimated the inferred resource to be 0.7Mt of bauxite grading >35% alumina and <12% reactive silica. This was considered to be uneconomic.
Austral Pacific Mining Corporation Ltd drilled 15 holes in the ER Area. Small areas of low-grade pisolitic bauxite up to 2m deep were delineated.

Web Page

www.metallicaminerals.com.au

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45383 **ESCAPE RIVER AREA**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 39.0 KM SE OF CAPE YORK, 670KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7476 CAPE YORK

Grid Reference: Zone 54 688124 mE 8785167 mN Latitude -10.9847 Longitude 142.7217 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BAUXITE	LARGE	>200 000 000 tonnes BX
SILICA SAND	LARGE	>2 500 000 tonnes SIS

Production Details

Published Reserves/Resources

Company Report 163 Published in 1957 **ESCAPE RIVER BAUXITE**

INFERRED MINERAL RESOURCE 280,000,000 tonnes Ore @

280,000,000 Tonnes BAUXITE

Approximate average grade 35 to 40% total available alumina and 12 to 15% total silica.

Company Report 6180 Published in 1977 **ESCAPE RIVER SILICA SAND**

PROBABLE ORE RESERVE 30,000,000 tonnes Ore @

99.70 % SILICA SAND **FOR** 30,000,000 Tonnes SILICA SAND

>99.7% SiO_2.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Helby beds / LATE JURASSIC to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE
GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	CENOZOIC

Comments

Bauxite is exposed in cliffs beneath sand dunes along the coast from the Escape River southeast to about 1.5 km north of Logan Jack Creek. Enterprise Exploration Company inferred a resource of 280 Mt of bauxitic material (with <2 m overburden), with anot her 100 Mt deduced from the topography. The approximate average grade was reported to be 35 to 40 % total available alumina (7 to 10 % of which is the monohydrate variety) and 12 to 15 % total silica (7 to 10 % of which occurs as combined silicate). Alta rama Search Pty Ltd inferred a resource of ~19 Mt with >40 % alumina, <10 % reactive silica, and >2 m mineable thickness. Comalco Aluminium Ltd estimated that SBML 5, which covered the deposits, contained an inferred resource of 230 Mt of red bauxite.

The bauxite is a hard, red pisolitic material, usually with abundant iron and silica. Pure gibbsite cores are rare within the pisolites and the pisolites form a hard, fused mass which is generally very resistant to erosion. The bauxite is too high in iro n and silica to be commercially exploited. Smart & others (1980) concluded that the deposits are a product of lateritisation of the Helby beds. A white, low-iron variety occurs in cliff faces from White Beach to Sharp Point, and in the headwaters of cree ks in the area. The silica content of this bauxite renders it unsuitable for alumina production, but it may be suitable for use as refractory grade bauxite. It occurs in low areas, below the permanent water table.

Silica sand dunes cover the white bauxite in the northeast corner of SBML 5. High quality sand suitable for glass manufacture overlies the bauxitic laterite. Comalco delineated a probable resource of >30 Mt of high purity sand. Chemical analyses of sampl es gave 99.70 to 99.78 % SiO_2, 0.011 to 0.014 % Fe_2O_3, 0.04 to 0.06 % Al_2O_3, 0.026 to 0.064 % TiO_2, <0.01 % CaO, <0.01 % MgO, <0.001 % Cr_2O_3 and 0.10 to 0.15 % loss on ignition.

This deposit is within Restricted Area 86: Departmental Area - Escape River

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45322 **ESKDALE**

ABANDONED MINE

Descriptive Location: 16 KM NNE CROWS NEST, 1.5 KM WNW OF ESKDALE WEST.

1:100 000 sheet Number and Name: 9343 ESK

Grid Reference: Zone 56 415927 mE 6996935 mN Latitude -27.1475 Longitude 152.1515 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Midas

Eskdale Antimony

Commodities	Size	Size Definition
ANTIMONY	SMALL	50 - 5 000 tonnes SB
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 6174 Published in 1973

INDICATED MINERAL RESOURCE 3,000 tonnes Ore @ 2.90 % ANTIMONY **FOR** 87 Tonnes ANTIMONY

Resource to a depth of 37m towards the eastern end of the lode (Krosch, 1973).

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6174	1973	KROSCH, N.J.	DEPARTMENTAL DIAMOND DRILLING PROGRAMME ESKDALE ANTIMONY DEPOSIT, ML142 TOOWOOMBA	QUEENSLAND GOVERNMENT MINING JOURNAL, 74, 102-109

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	
TRENCHES	
PITS	
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Eskdale Granodiorite / EARLY TRIASSIC to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL EPITHERMAL VEINS/PIPE/STOCKWORK VEIN

Mineralisation Age

ORE

Comments

At depth stibnite occurs as small erratically distributed lenses. The Queensland Department of Mines tested this deposit with 11 diamond holes for 694 m. Gold reported only in trace amounts.

According to Creaser (CR13666), the alteration assemblage and style of alteration (in that it is confined to linear zones) is very similiar to the latest stage alteration at the Anduramba molybdenite prospect.

Indicated Resource: 3000 tonnes @ 2.9% Sb to a depth of 37m towards the eastern end of the lode (Krosch, 1973).

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589309 **ESMERALDA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: ~100KM SOUTH OF CROYDON AND 10KM NORTH OF PROSPECT STATION

1:100 000 sheet Number and Name: 7360 PROSPECT

Grid Reference: Zone 54 628395 mE 7918508 mN Latitude -18.8213 Longitude 142.2185 Date Recorded: 16/February/2016

Other Names for Deposit / Mine

Esmeralda Graphite

Commodities	Size	Size Definition
GRAPHITE		

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	25779	100.00%	TOUCHSTONE RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

Mineralisation Age

ORE

Comments

Porphyritic biotite granite with blebs of coarse graphite (up to 2cm diameter).
Metallica has developed a hydrothermal mineralisation model for the Esmeralda granite based on work completed by the Bureau of Mineral Resources (BMR) in 1988 and the recent (2013) discovery of the Albany graphite deposit.
2015 Drilling results: WD001 ¿ 95 m @ 6.5%1 Cg (graphite) from 71m; WD002 ¿ 29.1 m @ 7.8%1Cg (graphite) from 71.9m, including 7.1 m @ 12.9% Cg (graphite) (BR10460).

Web Page

http://www.metallicaminerals.com.au/

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494238 **ESPERANZA**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 2.6KM WNW OF GUNPOWDER,120KM NORTH OF MT ISA.

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 327721 mE 7820966 mN Latitude -19.6992 Longitude 139.3563 Date Recorded: 22/January/2016

Other Names for Deposit / Mine

Esperanza North

Commodities	Size	Size Definition
COPPER	LARGE	250 000 - 2 000 000 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG
COBALT	VERY SMALL	<10 tonnes CO

Production Details

Period: 1-Jul-1997 to 30-Jun-1998

COPPER PRECIPITATE 1,386.0 tonnes

Period: 1-Jul-1998 to 30-Jun-1999 328,856 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 31,025.0 tonnes

Period: 1-Jul-1999 to 30-Jun-2003 2,291,299 tonnes SULPHIDE ORE

COPPER METAL 175,203.0 tonnes

Period: 1-Jul-2004 to 30-Jun-2005

COPPER METAL 36,275.4 tonnes

SILVER 2,511.9 kilograms

Published Reserves/Resources

BR 10336 Published in 2014 **ESPERANZA/PLUTO**

INDICATED MINERAL RESOURCE 5,200,000 tonnes Ore @ 2.08 % COPPER **FOR** 108,368 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cut-off

BR 10336 Published in 2014 **ESPERANZA/PLUTO**

INFERRED MINERAL RESOURCE 11,100,000 tonnes Ore @ 1.59 % COPPER **FOR** 176,172 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cut-off

BR 10336 Published in 2014 **H LENS**

INFERRED MINERAL RESOURCE 12,530,000 tonnes Ore @ 1.29 % COPPER **FOR** 161,637 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10336	2014	ADITYA BIRLA MINERALS LIMITED	ASX RELEASE MINERAL RESOURCE AT 31ST MARCH 2014	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 30 APRIL 2014. ADITYA BIRLA MINERALS LIMITED, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1998	to	1999	Western Metals Ltd commenced open cut production in 1998 with the first ore treated in August 1998 in ferric leach SX/EW operation. This was the world's first combined mineral processing and copper metal plant of its type.
2003	to	2005	Mining from Esperanza open cut from May to October 2005.
2003	to	2003	Aditya Birla Group purchased Mount Gordon operation from receivers for Western Metals Ltd in November 2003 and converted plant to production of a copper concentrate.

Mining Operations	Comments
OPEN CUT MINING	
DECLINED SHAFTS/DRIVES	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5430	100.00%	BIRLA MT GORDON PTY LTD
ML	5443	100.00%	BIRLA MT GORDON PTY LTD

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Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Esperanza Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE	MESOPROTEROZOIC	Dolomite veining & replacement coeval with development of S3 indicate a D3 timing for mineralisation.

Comments

Mineralisation comprises a primary zone of pyrite-chalcopyrite-cobaltite mineralisation as veins, disseminations and minor massive sulphide.

The orebody is a structurally controlled copper-cobalt orebody hosted by carbonaceous shale and chert breccia near the convergence of the Mammoth and Mammoth Extended Faults.

Aditya Birla recommenced mining in the Esperanza open cut in May 2005. Mining ceased in October 2005. The ferric leach circuit and SX-EW plant were brought back on line in August 2005 to treat the high-iron Esperanza ore.

During the 2006-2007 year, production from low grade stockpiles from Esperanza were included in the production figures from Mammoth. Resource firgures for the Esperanza system are included with those for Mammoth.

In September 2015 Lighthouse Minerals Holdings Pty Ltd purchased the Mount Gordon project which the company has renamed the Capricorn Copper Project.

Web Page

www.adityabirlaminerals.com.au

Queensland Minerals

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494239 **ESPERANZA SOUTH**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 3.0KM W OF GUNPOWDER, 100KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 327221 mE 7820366 mN Latitude -19.7046 Longitude 139.3515 Date Recorded: 22/January/2016

Other Names for Deposit / Mine

Sandgate

Commodities	Size	Size Definition
COPPER	LARGE	250 000 - 2 000 000 tonnes CU

Production Details

Period: 1-Jan-1967 to 31-Dec-1967 10 tonnes KNOWN HISTORIC PRODUCTION

COPPER OTHER 0.9 tonnes 9.00 percent

Published Reserves/Resources

BR 10336 Published in 2014 **ESPERANZA SOUTH**

INDICATED MINERAL RESOURCE 10,400,000 tonnes Ore @ 1.59 % COPPER **FOR** 165,360 Tonnes COPPER

Comments/Cut Off Factor: 0.50% Cu cut-off

BR 10336 Published in 2014 **ESPERANZA SOUTH**

INFERRED MINERAL RESOURCE 22,000,000 tonnes Ore @ 0.96 % COPPER **FOR** 211,200 Tonnes COPPER

Comments/Cut Off Factor: 0.50% Cu cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10336	2014	ADITYA BIRLA MINERALS LIMITED	ASX RELEASE MINERAL RESOURCE AT 31ST MARCH 2014	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 30 APRIL 2014. ADITYA BIRLA MINERALS LIMITED, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1967	to	1967	Held by M E and L V Morrison
2003	to	2003	Aditya Birla Group purchased Mount Gordon operation in November 2003 from receivers for Western Metals Ltd.

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
ML 5442	100.00%	BIRLA MT GORDON PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Esperanza Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL BRECCIA-HOSTED

DETAILED OREBODY MODEL BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Structurally controlled copper-cobalt orebody hosted by carbonaceous shale and chert breccia near the convergence of the Mammoth and Mammoth Extended Faults.

Excavation of a decline to access the orebody was to have commenced in 2008/09 but development work has been suspended indefinitely due to copper prices and market conditions.

Esperanza South is a stand-alone deposit 500m south of the Esperanza deposit. A pre- feasibilty study was completed during September 2007.

Definitive mining plans have been completed for Esperanza South. Resources at Esperanza South are included with those for Mammoth.

In September 2015 Lighthouse Minerals Holdings Pty Ltd purchased the Mount Gordon project which the company has renamed the Capricorn Copper Project.

Web Page

www.adityabirlaminerals.com.au

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36576 **ETHEL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 18.1KM NNE OF DIMBULAH, 55KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 308194 mE 8118570 mN Latitude -17.0089 Longitude 145.1982 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Northcote Group

Commodities	Size	Size Definition
ANTIMONY	SMALL	50 - 5 000 tonnes SB
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1892 to 31-Dec-1950 220 tonnes HARD ROCK ORE (OR REEF)

ANTIMONY 67.6 tonnes

GOLD BULLION 0.6 kilograms

Period: 1-Jul-1991 to 30-Jun-1992 6,213 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 24.4 kilograms 3.93 grams per tonne

Published Reserves/Resources

BR 8041 Published in 2005 **ETHEL**

INDICATED MINERAL RESOURCE 225,000 tonnes Ore @

0.26 % ANTIMONY **FOR** 585 Tonnes ANTIMONY

1.70 g/t GOLD **FOR** 382 Kilograms GOLD

Comments/Cut Off Factor: Cutoff not reported

BR 8041 Published in 2005 **ETHEL**

INFERRED MINERAL RESOURCE 218,000 tonnes Ore @

0.28 % ANTIMONY **FOR** 610 Tonnes ANTIMONY

1.90 g/t GOLD **FOR** 414 Kilograms GOLD

Comments/Cut Off Factor: Cutoff not reported

BR 8041 Published in 2005 **ETHEL**

MEASURED MINERAL RESOURCE 400,000 tonnes Ore @

0.21 % ANTIMONY **FOR** 840 Tonnes ANTIMONY

2.00 g/t GOLD **FOR** 800 Kilograms GOLD

Comments/Cut Off Factor: Cutoff not reported

In 2011 Republic did not itemise resource figures -> not updated

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8041	2005	REPUBLIC GOLD LIMITED	ASX ANNOUNCEMENT - 31 OCTOBER 2005 - NORTHCOTE PROJECT: SIGNIFICANT GOLD RESOURCE UPGRADE FROM 212,000 OUNCES TO 260,000 OUNCES.	REPUBLIC GOLD LIMITED, MELBOURNE

Major Mining Related Events

Year Commenced		Year Completed	Comments
1892	to	1950	Mined intermittently for antimony and minor gold.
1991	to	1992	Nittoc mined from two small pits on the northern end of the zone.

Mining Operations	Comments
PITS	
SHAFTS	
TRENCHES	
ADITS	
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9869	100.00%	TERRITORY MINERALS LTD
ML	20525	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

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Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	SIMPLE SB (QUARTZ-STIBNITE TYPE)	

Mineralisation Age

ORE	DEVONIAN	Drill core displayed quartz veins with stibnite crystals growths into quartz veins.

Comments

Part of Republic Gold Ltd's Northcote project. The Ethel was one of the largest and most continuous lodes in the Northcote area.
In 2010&2011 Republic Gold reported upgraded combined resources for "total Northcote" which included this deposit: Measured resource 1500000t at 2.2g/t Au, indicated resource 2296000t at 1.6g/t Au and inferred resource 1210666t at 1.6g/t Au (BR9939).

Web Page

www.republicgold.com.au

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41616 **EUGENIA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 6.5KM NE OF MOUNT COOLON

1:100 000 sheet Number and Name: 8355 MOUNT COOLON

Grid Reference: Zone 55 541114 mE 7638370 mN Latitude -21.3562 Longitude 147.3965 Date Recorded: 12/February/2016

Other Names for Deposit / Mine

Police Creek

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Published Reserves/Resources

BR 10456 Published in 2015 **OXIDE RESOURCE**

INDICATED MINERAL RESOURCE 1,445,000 tonnes Ore @ 0.90 g/t GOLD **FOR** 1,300 Kilograms GOLD

Comments/Cut Off Factor: 0.4 g/t Au cutoff

BR 10456 Published in 2015 **OXIDE RESOURCE**

INFERRED MINERAL RESOURCE 252,000 tonnes Ore @ 1.20 g/t GOLD **FOR** 4,785 Kilograms GOLD

Comments/Cut Off Factor: 0.4 g/t Au cutoff

BR 10456 Published in 2015 **SULPHIDE RESOURCE**

INDICATED MINERAL RESOURCE 2,306,000 tonnes Ore @ 0.90 g/t GOLD **FOR** 2,075 Kilograms GOLD

Comments/Cut Off Factor: 0.4 g/t Au cutoff

BR 10456 Published in 2015 **SULPHIDE RESOURCE**

INFERRED MINERAL RESOURCE 1,007,000 tonnes Ore @ 1.40 g/t GOLD **FOR** 1,409 Kilograms GOLD

Comments/Cut Off Factor: 0.4 g/t Au cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10456	2015	GBM RESOURCES LIMITED	ASX ANNOUNCEMENT: EIGHT MAJOR GOLD SYSTEMS IDENTIFIED, MOUNT COOLON GOLD PROJECT	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE, 10-DECEMBER 2015, GBM RESOURCES.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15902	100.00%	MT COOLON GOLD MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DRUMMOND BASIN	Silver Hills Volcanics / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE	CARBONIFEROUS to PERMIAN

Comments

A programme of 1500m of diamond drilling and 5000m of RC percussion drilling commenced in June 2008. This drilling was to accurately measure the mineable ore grade as well as the extent and characteristics of the system.

The mineralisation at Eugenia (Police Creek) is recognised as being deposited at the near surface environment of a hydrothermal hot spring system (BR 8910). The resource remains open at depth as well as to the north, south and east.

Drill intersections for the December 2008 quarter confirmed broad zones of low-grade (0.2-1.5g/t) Au within chaotic silica-pyrite veining and narrow high-grade (up to 25g/t) Au sections associated with quartz-carbonate (+/-adularia) veining.

Significant intersections (possible feeder mineralisation) included 1m at 23.0g/t Au and 34.6g/t Ag from 158m and 2m at 22.5g/t Au and 72g/t Ag from 150m.

Drummond Gold Ltd did a study of the potential for a dump/heap leach operation at Eugenia in the March 2009 quarter. The relatively small tonnage and low grade of the deposit make heap leaching and CIL processing marginal economically.

A new resource estimate was completed in the June 2009 quarter.

In 2015 GBM Resources entered a binding agreement with Drummond Gold Ltd to acquire 100% interest in Mt Coolon Gold Mines Ltd, including its assets.

Web Page

www.drummondgold.com.au / www.gbmr.com.au

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487247 **EULOGIE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 18.2 KM E OF DULULU, 50KM W OF GLADSTONE.

1:100 000 sheet Number and Name: 8950 MOUNT MORGAN

Grid Reference: Zone 56 238500 mE 7361900 mN Latitude -23.8329 Longitude 150.4329 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Eulogie Park Prospect

Eulogie Iron - Vandium Project

Commodities	Size	Size Definition
ILMENITE	MEDIUM	5 000 000 - 10 000 000 tonnes IM
VANADIUM OXIDE	SMALL	5 - 500 tonnes V
TITANOMAGNETITE	SMALL	50 000 - 500 000 tonnes TITMAG
FELDSPAR	SMALL	50 - 1 000 tonnes FS
APATITE		

Production Details

Published Reserves/Resources

BR 10006 Published in 2012 **EULOGIE IRON - V PROSPECT**

INDICATED MINERAL RESOURCE 154,000,000 tonnes Ore @

12.80 % IRON **FOR** 19,712,000 Tonnes IRON

3.00 % TITANOMAGNETITE **FOR** 4,620,000 Tonnes TITANOMAGNETITE

0.10 % VANADIUM OXIDE **FOR** 146,300 Tonnes VANADIUM OXIDE

Comments/Cut Off Factor: Grade and cutoff 10% DTR

BR 10006 Published in 2012 **EULOGIE IRON - V PROSPECT**

INFERRED MINERAL RESOURCE 311,000,000 tonnes Ore @

13.20 % IRON **FOR** 41,052,000 Tonnes IRON

3.10 % TITANOMAGNETITE **FOR** 9,641,000 Tonnes TITANOMAGNETITE

0.10 % VANADIUM OXIDE **FOR** 304,780 Tonnes VANADIUM OXIDE

Comments/Cut Off Factor: Grade and cutoff 10% DTR

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10006	2012	EASTERN IRON LIMITED	ANNUAL REPORT 2012.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 28 SEPTEMBER 2012. EASTERN IRON LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments
2000		Exploration drilling has started in the area, focusing on the Illmenite deposits.
2011		Eastern Iron established a maiden resource using RC drilling - Metallurgical testwork carried out
2012		Eastern Iron completed a concept study: 3.2MT magnetite concentrate exported via Gladstone Port for $606 million

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PERMO-TRIASSIC IGNEOUS PROVINCES	Eulogie Park Gabbro / LATE PERMIAN to EARLY TRIASSIC
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-YARROL/SCAG / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	MAFIC VOLCANIC RELATED DEPOSIT
DETAILED OREBODY MODEL	STRATIFORM MAFIC-ULTRAMAFIC FE-TI-V (BUSHVELD FE-TI-V)
GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL/ELUVIAL HEAVY MINERAL ACCUMULATION

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Mineralisation Age

ORE	CENOZOIC	Elluvial and alluvial deposits.

Comments

The Eulogie Park gabbro was investigated as a ferro-gabbro iron ore deposit by Thiess Contractors Pty Ltd. Alluvial and eluvial ilmenite sands are abundant and similar in chemistry to Goondicum ilmenite.
Theiss estimated a ferro-gabbro iron ore resource of ~ 103Mt, much of which was titano-magnetite. Monto Minerals' sample processing has indicated a large resource of sand sized ilmenite (BR 5920).
Eulogie Park is 100km NW of Monto Minerals' Goondicum deposit. Zones within the titano-magnetite deposit contain up to 30% titano-magnetite and ilmenite. These extensive deposits present a major exploration target.
Alluvial and eluvial sands are also widespread at Eulogie Park and carry some high ilmenite concentrations.
There are three resource types at the Eulogie Park Prospect - eluvial and alluvial deposits, flood plain deposits, and the gabbro itself.
Monto Minerals Ltd (the parent company of Eulogie Resources Pty Ltd) was placed into voluntary administration in August 2008. in January 2011 Eastern Iron acquired 100% of the Eulogie Project
Area tested bei resource drilling in 2011 represents only about 35% of the magnetite-bearing ferrigabbro mapped at surface (BR10008).
Eastern Iron completed a resource drilling program at the Eulogie project in July 2011 consisting of 3,369 metres in 34 reverse circulation drill holes. The drilling was designed to test the mapped outcrop of magnetite-bearing ferrigabbro and provide an estimate of grade and tonnage in this portion of the resource. The drilling defined an Indicated and Inferred Resource of 465 million tonnes at 14.2% Fe above a 10% DTR cutoff. The Resource was estimated to a depth of 200m (2011).

Web Page

http://www.easterniron.com.au/

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480378 **EVELEIGH**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 44 KM EAST OF GEORGETOWN, 225KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7661 GEORGETOWN

Grid Reference: Zone 54 812917 mE 7979308 mN Latitude -18.2528 Longitude 143.9590 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Eveleigh Zinc Prospect

Commodities	Size	Size Definition
ZINC	MEDIUM	200 000 - 2 000 000 tonnes ZN
COPPER	VERY SMALL	<500 tonnes CU
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Published Reserves/Resources

Company Report 3891 Published in 1972

INDICATED MINERAL RESOURCE 15,000,000 tonnes Ore @ 1.50 % ZINC **FOR** 225,000 Tonnes ZINC

Zn grade ranges from 1 to 2%.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Einasleigh Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (BROKEN HILL TYPE)

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

The Eveleigh Zinc Prospect is hosted by calcsilicates that consist predominantly of epidote with some quartz and calcite; they are interlayered with fine- to coarse-grained amphibolite. Cross-cutting veins and zones of secondary calcite are common.
Sulphide mineralisation comprises marmatite (iron-rich sphalerite), pyrite, pyrrhotite and marcasite, with minor chalcopyrite and galena.
The calcsilicates strike north-east and dip 40 to 50 degrees south-east.

Web Page

http://www.copperstrike.com.au

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496612 **EWAN**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 29 KM SOUTH WEST OF HIDDEN VALLEY, 105KM NW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8059 EWAN

Grid Reference: Zone 55 372011 mE 7888132 mN Latitude -19.0957 Longitude 145.7833 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Ewan Tin Prospect
Ewan Tin Leases
Sardine Leases

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Published Reserves/Resources

BR 6052 Published in 1997

TAILINGS+UNDERGR. EWAN LEASES

INFERRED MINERAL RESOURCE 20,000 tonnes Ore @

3.00 % CASSITERITE **FOR** 600 Tonnes CASSITERITE

1.80 % COPPER **FOR** 360 Tonnes COPPER

Estimate.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6052	1997	SMC RESOURCES LIMITED	PROSPECTUS.	REPORT TO THE AUSTRALIAN STOCK EXCHANGE. SMC RESOURCES LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	4487	100.00%	MT MOSS MINING PTY LTD
ML	4488	100.00%	MT MOSS MINING PTY LTD
ML	4497	100.00%	MT MOSS MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMEL CREEK SUBPROVINCE	Perry Creek Formation / LATE ORDOVICIAN to SILURIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE	CARBONIFEROUS

Comments

Mineralisation in the Ewan tinfield, most commonly occurs as irregular pipes and lenses, measuring only a few metres across but extending to tens of metres in depth, occupying fissures in the host phyllites and quartizes.

Web Page

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481345 **EXPLORER**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 11.5 KM E OF MIDDLE PARK, WOOLGAR AREA, 345KM WEST OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7558 MOUNT NORMAN

Grid Reference: Zone 54 750590 mE 7809651 mN Latitude -19.7929 Longitude 143.3919 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
COPPER	VERY SMALL	<500 tonnes CU
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Published Reserves/Resources

BR 10531 Published in 2016 **EXPLORER**

INDICATED MINERAL RESOURCE 149,000 tonnes Ore @ 2.10 g/t GOLD **FOR** 312 Kilograms GOLD

Comments/Cut Off Factor: 1g/t Au cutoff.

BR 10531 Published in 2016 **EXPLORER**

INFERRED MINERAL RESOURCE 30,000 tonnes Ore @ 1.97 g/t GOLD **FOR** 59 Kilograms GOLD

Comments/Cut Off Factor: 1g/t Au cutoff.

BR 10531 Published in 2016 **EXPLORER**

MEASURED MINERAL RESOURCE 395,000 tonnes Ore @ 3.68 g/t GOLD **FOR** 1,453 Kilograms GOLD

Comments/Cut Off Factor: 1g/t Au cutoff.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10531	2016	STRATEGIC MINERALS CORPORATION NL	ANNUAL REPORT 31 DECEMBER 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 31 MARCH 2016. STRATEGIC MINERALS CORPORATION NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9599	100.00%	STRATEGIC MINERALS CORPORATION N.L.
ML	90122	100.00%	STRATEGIC MINERALS CORPORATION N.L.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Einasleigh Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

The Explorer prospect is an epithermal quartz vein system localised along pre-existing faults. The vein has a shallow oxide zone overlying a quartz-sulphide primary zone.

The prospect was being explored by Oxiana Exploration Pty Ltd under a joint venture with tenure holder Strategic Minerals Corporation NL until Oxiana withdrew from the project in October 2007.

Web Page

http://www.stratmin.com.au

Queensland Minerals

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504648 **FAIRVIEW**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: FAIRVIEW STATION, 25KM SW OF GLADSTONE.

1:100 000 sheet Number and Name: 9150 GLADSTONE

Grid Reference: Zone 56 304996 mE 7347690 mN Latitude -23.9706 Longitude 151.0835 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Fairview Limestone

Commodities	Size	Size Definition
LIMESTONE	LARGE	>10 000 000 tonnes LST

Production Details

Published Reserves/Resources

BR 9199 Published in 2009

FAIRVIEW LIMESTONE

INFERRED MINERAL RESOURCE 29,000,000 tonnes Ore @
29,000,000 Tonnes LIMESTONE

To 25m maximum depth

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9199	2009	METALLICA MINERALS LIMITED	QUARTERLY REPORT TO 30 JUNE 2009.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. METALLICA MINERALS LTD, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
YARROL PROVINCE	Mount Holly beds / SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL LIMESTONE DEPOSIT

Mineralisation Age

ORE EARLY DEVONIAN

Comments

Drilling by the Geological Survey of Qld in the 1980s delineated a substantial limestone deposit of the order of 1.5 to 4.75Mt per vertical metre, including wide intersections of high quality limestone.
This deposit is currently being investigated by Metallica Minerals Ltd.

Web Page

www.metallicaminerals.com.au; www.phoenixlime.com.au

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479841 **FAR WEST 5**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 33 KM NORTH WEST OF GEORGETOWN, 260KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7561 FOREST HOME

Grid Reference: Zone 54 756020 mE 8006466 mN Latitude -18.0151 Longitude 143.4180 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U
FLUORITE	VERY SMALL	<50 tonnes FL
MOLYBDENUM	SMALL	50 - 5 000 tonnes MO

Production Details

Published Reserves/Resources

Company Report 7282 Published in 1979 **FAR WEST 5**

INFERRED MINERAL RESOURCE 90,830 tonnes Ore @

0.18 % MOLYBDENUM **FOR** 163 Tonnes MOLYBDENUM

0.12 % URANIUM OXIDE **FOR** 104 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: Using a 0.04% U3O8 cutoff.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8452	100.00%	MEGA GEORGETOWN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GILBERTON BASIN	Gilberton Formation / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	STRATABOUND URANIUM-COPPER
DETAILED OREBODY MODEL	UNCONFORMITY U-AU (VEIN-TYPE U)

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

A satellite orebody of the Maureen Uranium Project, which is being explored by Canadian company Mega Uranium Ltd.

Web Page

http://megauranium.com

Queensland Minerals

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479842 **FAR WEST 7**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 32 KM NORTH WEST OF GEORGETOWN, 260KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7561 FOREST HOME

Grid Reference: Zone 54 755920 mE 8005766 mN Latitude -18.0214 Longitude 143.4172 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
MOLYBDENUM	SMALL	50 - 5 000 tonnes MO
FLUORITE	VERY SMALL	<50 tonnes FL
URANIUM	VERY SMALL	<100 tonnes U

Production Details

Published Reserves/Resources

Company Report 7282 Published in 1979 **FAR WEST 7**

INFERRED MINERAL RESOURCE 65,600 tonnes Ore @

0.16 % MOLYBDENUM **FOR** 108 Tonnes MOLYBDENUM

0.09 % URANIUM OXIDE **FOR** 61 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: Using a 0.04% U3O8 cutoff.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8452	100.00%	MEGA GEORGETOWN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GILBERTON BASIN	Gilberton Formation / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	STRATABOUND URANIUM-COPPER
DETAILED OREBODY MODEL	UNCONFORMITY U-AU (VEIN-TYPE U)

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

This deposit is part of the Maureen Uranium Project, which is being explored by Canadian company Mega Uranium Ltd.

Web Page

www.megauranium.com

Queensland Minerals

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493365 **FAVOSITES POINT**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: PART OF THE DUKE ISLANDS, WHICH IS PART OF THE NORTHUMBERLAND GROUP, 220 NNW OF GLADSTONE.

1:100 000 sheet Number and Name: 8954 PERCY ISLES

Grid Reference: Zone 56 205007 mE 7568576 mN Latitude -21.9624 Longitude 150.1437 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Hunter Island

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST
MARBLE	VERY SMALL	<10 000 tonnes MARB

Production Details

Published Reserves/Resources

BR 5640 Published in 1955

INFERRED MINERAL RESOURCE

254,000 Tonnes LIMESTONE

Of this reource 111 760 tonnes is available above the high tide mark.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5640	1955	SHEPHERD, S.R.L.	LIMESTONE ON DUKE ISLANDS - BROAD SOUND.	QUEENSLAND GOVERNMENT MINING JOURNAL, 56, 926-931.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT HOLLY SUBPROVINCE	Erebus beds / SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT
DETAILED OREBODY MODEL	MARBLE DEPOSIT

Mineralisation Age

ORE	SILURIAN to DEVONIAN	Limestone and marble.

Comments

The most northerly of three distinct areas of limestone in the Erebus beds.

Web Page

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36207 **FEDERATION**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 5.3KM WEST OF HERBERTON, 60KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 323424 mE 8077989 mN Latitude -17.3768 Longitude 145.3380 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Crater

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
COPPER	VERY SMALL	<500 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1888 to 31-Dec-1968 2,436 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 74.3 tonnes

Published Reserves/Resources

BR 6053 Published in 1999 **CRATER**

INFERRED MINERAL RESOURCE 75,000 tonnes Ore @ 0.50 % CASSITERITE **FOR** 375 Tonnes CASSITERITE

BR 6053 Published in 1999 **FEDERATION**

INFERRED MINERAL RESOURCE 300,000 tonnes Ore @ 0.50 % CASSITERITE **FOR** 1,500 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14016	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Subparallel lodes of complex sulphide mineralisation in silicified granite and sandstone.

Web Page

41166 FINE GOLD CREEK

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 44.7KM SSE OF MAYTOWN, 145KM WNW OF CAIRNS.

1:100 000 sheet Number and Name: 7765 MAYTOWN

Grid Reference: Zone 55 224315 mE 8181169 mN Latitude -16.4351 Longitude 144.4184 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Mcganns Creek

Pine Tree Creek

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

Company Report 18389 Published in 1988 **LOWER FINE GOLD CREEK**

PROVED ORE RESERVE 600,000 cubic metres Ore @ 0.47 g/m*3 GOLD **FOR** 282 Kilograms GOLD

Company Report 18389 Published in 1988 **MCGANNS CREEK**

PROVED ORE RESERVE 1,950,000 cubic metres Ore @ 0.74 g/m*3 GOLD **FOR** 1,443 Kilograms GOLD

Company Report 18389 Published in 1988 **PINE TREE CREEK**

INDICATED MINERAL RESOURCE 1,000,000 cubic metres Ore @ 0.50 g/m*3 GOLD **FOR** 500 Kilograms GOLD

Company Report 18389 Published in 1988 **UPPER FINE GOLD CREEK**

PROVED ORE RESERVE 150,000 cubic metres Ore @ 0.54 g/m*3 GOLD **FOR** 81 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
DREDGING	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 13938	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER GOLD

Mineralisation Age

ORE	CENOZOIC

Comments

The creek bed and alluvial flats of Fine Gold Creek have been worked extensively for alluvial gold upstream from the junction with the St George River for about 13km.

Limonite cubes, zircon and minor tourmaline, rutile and ilmenite are common heavy minerals associated with gold in the concentrates.

Web Page

www.republicgold.com.au

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486786 **FINNEY'S**

CARE AND MAINTENANCE

Descriptive Location: OFF FROM ISLES ROAD INDOOROOPILLY

1:100 000 sheet Number and Name: 9442 IPSWICH

Grid Reference: Zone 56 496705 mE 6957675 mN Latitude -27.5045 Longitude 152.9666 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Finney'S Pb-Ag Mine

University Of Qld Experimental Mine

Commodities	Size	Size Definition
LEAD	SMALL	1000 - 100 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Period: 1-Jan-1919 to 31-Dec-1929

LEAD	METAL	1,796.0 tonnes
SILVER		7,071.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1919	to	1929	FINNEYS HILL UNITED SILVER MINES LTD
1951			TO PRESENT, UNIVERSITY OF QUEENSLAND EXPERIMENTAL MINE

Mining Operations	Comments
SHAFTS	
INCLINED SHAFTS / DRIVES	
OPEN CUT MINING	
DECLINED SHAFTS/DRIVES	
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH D'AGUILAR SUBPROVINCE	Bunya Phyllite / DEVONIAN to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	POLYMETALLIC AG-PB-ZN VEINS (FELSIC INTRUSION RELATED)

Mineralisation Age

ORE	TRIASSIC

Comments

It is now the site of the Julius Kruttschnitt Mineral Research Centre. The old mine workings are used in the training of mining engineers, geologists, etc.

The mine operated from 1919 to 1929, producing 227,343 oz of silver and 1796t of lead. It was then abandoned until 1951, when the University of Queensland acquired the land from the Brisbane City Council.

Web Page

www.jkmrc.uq.edu.au

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504545 **FITZROY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 35.3KM SSE OF MOUNT PERRY

1:100 000 sheet Number and Name: 9247 MOUNT PERRY

Grid Reference: Zone 56 381055 mE 7184880 mN Latitude -25.4482 Longitude 151.8170 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Mount Steadman Prospect
Fitzroy Prospect

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
MOLYBDENUM	VERY SMALL	<50 tonnes MO
BISMUTH	VERY SMALL	<50 tonnes BI

Production Details

Published Reserves/Resources

BR 7899 Published in 2006

INDICATED MINERAL RESOURCE 1,200,000 tonnes Ore @ 0.90 g/t GOLD **FOR** 1,080 Kilograms GOLD

Resource quoted on Diatreme Resources Ltd website (www.diatreme.com.au).

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7899	2006	DIATREME RESOURCES LTD	EXPLORATION ACTIVITIES REPORT FOR THE QUARTER ENDED 30 JUNE 2006.	REPORT TO THE AUSTRALIAN STOCK EXCHANGE, DIATREME RESOURCES LTD, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	12834	100.00%	MGT MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Chowey Granite / LATE PERMIAN to LATE PERMIAN
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY INTRUSION-RELATED QUARTZ VEINS & STOCKWORKS

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Gold mineralisation is hosted in the Chowrey Granite associated with moderately east-dipping zone of sheeted quartz veins. Drilling below the listed resource has intersected additional mineralisation to a depth of 130m.

Web Page

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481233 **FLAGSTONE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 12.5 KM WNW OF CALCIUM, 40KM SOUTH OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8258 MINGELA

Grid Reference: Zone 55 470815 mE 7828370 mN Latitude -19.6396 Longitude 146.7216 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Mount Flagstone

Commodities	Size	Size Definition
LIMESTONE	LARGE	>10 000 000 tonnes LST

Production Details

Published Reserves/Resources

Company Report 26173 Published in 1994 **LENS J**

INFERRED MINERAL RESOURCE

4,000,000 Tonnes LIMESTONE

Company Report 26173 Published in 1994 **MAIN LIMESTONE LENS**

INFERRED MINERAL RESOURCE

30,000,000 Tonnes LIMESTONE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BURDEKIN BASIN	Burdekin Formation / MIDDLE DEVONIAN to MIDDLE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	MIDDLE DEVONIAN

Comments

The limestone is fine grained, grey to dark grey and recrystallised in part. Beds are 0.1 to 0.2m thick with some interbeds of micrite up to 0.04m thick.

Web Page

Queensland Minerals

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494044 **FLAMINGO**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 11KM NE OF COOLULLAH HOMESTEAD

1:100 000 sheet Number and Name: 6958 COOLULLAH

Grid Reference: Zone 54 420592 mE 7814717 mN Latitude -19.7616 Longitude 140.2420 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Lady Catherine

Eclipse

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	31-Dec-1958		132 tonnes HARD ROCK ORE (OR REEF)	
COPPER		OTHER	29.8 tonnes	22.60 percent
GOLD		BULLION	0.6 kilograms	4.50 grams per tonne
Period: 1-Jan-1966 to	31-Dec-1966		9 tonnes HARD ROCK ORE (OR REEF)	
COPPER		OTHER	0.8 tonnes	8.90 percent

Published Reserves/Resources

BR 10576 Published in 2016 **FLAMINGO**

INFERRED MINERAL RESOURCE 117,000 tonnes Ore @

6.00 % COPPER **FOR** 7,020 Tonnes COPPER

1.80 g/t GOLD **FOR** 210 Kilograms GOLD

Comments/Cut Off Factor: 1.0% Cu

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10576	2016	QUEENSLAND MINING CORPORATION LIMITED	ANNUAL REPORT 2016	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 21 OCTOBER 2016. QUEENSLAND MINING CORPORATION LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	
TRENCHES	Two excavator trenches.
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 90103	100.00%	FLAMINGO COPPER MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Boomarra Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE PROTEROZOIC

Comments

Drilling by Queensland Mining Corporation in 2009 returned 3m at 6.81% Cu & 0.73g/t Au from 72m, 9m at 1.15% Cu & 0.37g/t Au from 20m, 2m at 4.43% Cu & 1.99g/t Au from 68m, 2m at 2.62% Cu & 2.61g/t Au from 68m and 3m at 3.57% Cu & 1.00g/t Au from 103m.

Geological modelling suggests a stacked set of mineralised structures dipping gently to the east at ~30 degrees.

Web Page

www.queenslandminingcorporation.com.au

Queensland Minerals

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497261 **FLORA LODE**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 38 KM SW OF NEBO

1:100 000 sheet Number and Name: 8654 NEBO

Grid Reference: Zone 55 662182 mE 7572102 mN Latitude -21.9479 Longitude 148.5705 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
MOLYBDENUM	VERY SMALL	<50 tonnes MO
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	31-Dec-1880			250	tonnes HARD ROCK ORE (OR REEF)
COPPER		METAL	70.6 tonnes		28.25 percent
Period: 1-Jan-1972 to	31-Dec-1972			12	tonnes HARD ROCK ORE (OR REEF)
COPPER		METAL	2.3 tonnes		19.00 percent
Period: 1-Jan-1973 to	31-Dec-1973			17	tonnes HARD ROCK ORE (OR REEF)
COPPER		METAL	3.2 tonnes		19.30 percent
SILVER			4.3 kilograms		253.00 grams per tonne
GOLD		BULLION	0.0 kilograms		0.30 grams per tonne

Published Reserves/Resources

Company Report 5155 Published in 1975 **FLORA**

INFERRED MINERAL RESOURCE 30,481 tonnes Ore @ 2.74 % COPPER **FOR** 835 Tonnes COPPER

Comments/Cut Off Factor: Based on a few drillholes only.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1869	to	1869	Mining commenced in 1869.
1870	to	1910	Produced 249.95t of ore.
1911	to	1973	Production was limited. Small parcels sent to Port Kembla assayed 18 to 20% Cu.

Mining Operations	Comments
ADITS	Was 32m long but is now collapsed.
PITS	
INCLINED SHAFTS / DRIVES	Main shaft was an underlie with southerly drives at 15m and 18.6m and northerly drives at 14.1m, 18.6m, 26.7m and 37.1m. Inclination ranged from 58 degrees near the collar to 35 degrees near the bottom. Shaft was 0.8-1.4m wide.
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
STOPING	Ore stoped between 11.5 and 13.5m. Stopes connect the 14.2m, 18.6m and 26.7m levels.

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BOWEN BASIN	Back Creek Group / EARLY PERMIAN to LATE PERMIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY INTRUSION-RELATED QUARTZ VEINS & STOCKWORKS

Mineralisation Age

ORE LATE PERMIAN to CRETACEOUS

Comments

Queensland Minerals

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506671 **FLORENCE BORE NORTH**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 103KM ESE OF MT ISA, 11KM SE OF MALBON

1:100 000 sheet Number and Name: 6955 MALBON

Grid Reference: Zone 54 434265 mE 7660463 mN Latitude -21.1559 Longitude 140.3668 Date Recorded: 4/February/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
COBALT	VERY SMALL	<10 tonnes CO
RARE EARTH ELEMENTS	VERY SMALL	<1 tonne REE

Production Details

Published Reserves/Resources

BR 10401 Published in 2015

FLORENCE BORE NORTH

INFERRED MINERAL RESOURCE 1,114,000 tonnes Ore @

0.81 % COPPER **FOR** 9,023 Tonnes COPPER

0.15 g/t GOLD **FOR** 167 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10401	2015	ACTIVEX LIMITED	ASX RELEASE: FLORENCE BORE MAIDEN INFERRED RESOURCES; CLONCURRY COPPER AND GOLD PROJECT, FLORENCE BORE NORTH AND SOUTH DEPOSITS MAIDEN INFERRED MINERAL RESOURCES	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 31. JANUARY 2015, ACTIVEX LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Totally infilled.
TRENCHES	
PITS	1 off-set by 20m to south.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15285	100.00%	ACTIVEX LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MITAKOODI DOMAIN	Wimberu Granite / MESOPROTEROZOIC to MESOPROTEROZOIC
MITAKOODI DOMAIN	Timberoo Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	CU +/- AG QUARTZ VEINS	

Mineralisation Age

ORE	PROTEROZOIC

Comments

Web Page

www.activex.com.au

587968 FLORENCE BORE SOUTH, TARGET 1

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 103KM ESE OF MT ISA, 11KM SE OF MALBON

1:100 000 sheet Number and Name: 6955 MALBON

Grid Reference: Zone 54 436400 mE 7657000 mN Latitude -21.1872 Longitude 140.3873 Date Recorded: 4/February/2015

Other Names for Deposit / Mine

Florence Bore South

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
RARE EARTH ELEMENTS	VERY SMALL	<1 tonne REE

Production Details

Published Reserves/Resources

BR 10401 Published in 2015

FLORENCE BORE SOUTH 1

INFERRED MINERAL RESOURCE 496,000 tonnes Ore @

0.68 % COPPER **FOR** 3,372 Tonnes COPPER

0.14 g/t GOLD **FOR** 69 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10401	2015	ACTIVEX LIMITED	ASX RELEASE: FLORENCE BORE MAIDEN INFERRED RESOURCES; CLONCURRY COPPER AND GOLD PROJECT, FLORENCE BORE NORTH AND SOUTH DEPOSITS MAIDEN INFERRED MINERAL RESOURCES	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 31. JANUARY 2015, ACTIVEX LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
EPM 15285	100.00%	ACTIVEX LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*

Deposit Model

Mineralisation Age

Comments

Web Page

www.activex.com.au

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479595 **FORT ROGER**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 14.8KM S OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 445950 mE 7695901 mN Latitude -20.8361 Longitude 140.4805 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Fort Rodger
Fort Roger Mount
Fort Rodger Mount

Commodities	Size	Size Definition
IRON	SMALL	5 000 - 5 000 000 tonnes FE
MAGNETITE	SMALL	50 000 - 500 000 tonnes MT

Production Details

Published Reserves/Resources

Company Report 9425 Published in 1981

INFERRED MINERAL RESOURCE 1,230,000 tonnes Ore @
1,000,000 Tonnes HEMATITE
230,000 Tonnes MAGNETITE

Comments/Cut Off Factor: Estimate of hematite-magnetite content.
Estimate of hematite/ magnetite content.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
EPM 15740	100.00%	EXCO RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Staveley Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	PALAEOPROTEROZOIC to MESOPROTEROZOIC

Comments

Unoxidised magnetite from this deposit is considered, from test results, to be suitable for use as a heavy medium for coal washing.

Web Page

www.excoresources.com.au

Queensland Minerals

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43977 **FOUR MILE CREEK**

ABANDONED MINE

Descriptive Location: 5.5 KM NNE OF STANTHORPE.

1:100 000 sheet Number and Name: 9240 STANTHORPE

Grid Reference: Zone 56 398905 mE 6834276 mN Latitude -28.6145 Longitude 151.9659 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Rover Tin Mine
St Leonards Claim
Dinkum Dredge

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1906 to 31-Dec-1967 411,350 cubic metres ALLUVIUM

CASSITERITE		314.1 tonnes
GOLD	BULLION	0.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1906	to	1907	
1910	to	1913	
1921	to	1925	
1937	to	1937	
1966	to	1967	

Mining Operations	Comments
DREDGING	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NEW ENGLAND BATHOLITH	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Web Page

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546651 **FRASER ISLAND - BOOMANJIN**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 38.6KM E OF MARYBOROUGH

1:100 000 sheet Number and Name: 9546 WIDE BAY

Grid Reference: Zone 56 507605 mE 7170675 mN Latitude -25.5813 Longitude 153.0757 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
RUTILE	SMALL	2 000 - 200 000 tonnes RUT
ZIRCON	SMALL	500 - 500 000 tonnes ZIR
MONAZITE	SMALL	200 - 20 000 tonnes MZ
ILMENITE	SMALL	5 000 - 5 000 000 tonnes IM
SILICA SAND	SMALL	1 000 - 1 000 000 tonnes SIS

Production Details

Period: 1-Jan-1975 to 31-Dec-1976

RUTILE	35,122.0 tonnes
ZIRCON	29,415.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Operating Mine Life: 1975 to 1976 High dunes south of Lake Boomanjin were mined by D.M. Minerals. The company installed a dry mill at Maryborough. Mining ceased in 1976 when the Commonwealth Government banned the export of Fraser Island mineral sands.

Mining Operations	Comments
DREDGING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC SEDIMENTARY COVER	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT HEAVY MINERALS
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	QUATERNARY

Comments

High dunes south of Lake Boomanjin were mined by D.M. Minerals for rutile and zircon in 1975 and 1976.

Web Page

Other Names for Deposit / Mine

Commodities	Size	Size Definition
RUTILE	SMALL	2 000 - 200 000 tonnes RUT
ZIRCON	SMALL	500 - 500 000 tonnes ZIR
MONAZITE	SMALL	200 - 20 000 tonnes MZ
ILMENITE	SMALL	5 000 - 5 000 000 tonnes IM
SILICA SAND	SMALL	1 000 - 1 000 000 tonnes SIS

Production Details

Period: 1-Jan-1975 to 31-Dec-1976

RUTILE	35,122.0 tonnes
ZIRCON	29,415.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

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Major Mining Related Events

Year Commenced	Year Completed	Comments
		Operating Mine Life: 1975 to 1976 High dunes south of Lake Boomanjin were mined by D.M. Minerals. The company installed a dry mill at Maryborough. Mining ceased in 1976 when the Commonwealth Government banned the export of Fraser Island mineral sands.

Mining Operations	**Comments**
DREDGING	

Tenure Type/Number	**SHARE**	**Company Name/Surname**
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC SEDIMENTARY COVER	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT HEAVY MINERALS
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	QUATERNARY

Comments

High dunes south of Lake Boomanjin were mined by D.M. Minerals for rutile and zircon in 1975 and 1976.

Web Page

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

493642 **FRASER ISLAND - SEVENTY-FIVE MILE BEACH**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 46.0KM ESE OF MARYBOROUGH

1:100 000 sheet Number and Name: 9546 WIDE BAY

Grid Reference: Zone 56 508605 mE 7151675 mN Latitude -25.7528 Longitude 153.0858 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Fraser Island

Commodities	Size	Size Definition
RUTILE	LARGE	>500 000 tonnes RUT
ZIRCON	MEDIUM	500 000 - 1 000 000 tonnes ZIR
MONAZITE	SMALL	200 - 20 000 tonnes MZ
ILMENITE	SMALL	5 000 - 5 000 000 tonnes IM

Production Details

Period: 1-Jan-1965 to 31-Dec-1976

RUTILE	153,399.8 tonnes
ZIRCON	117,728.1 tonnes
MONAZITE	323.7 tonnes

Published Reserves/Resources

BR 7556 Published in 1990

INFERRED MINERAL RESOURCE

2,914,600 Tonnes ILMENITE
893,300 Tonnes ZIRCON
867,300 Tonnes RUTILE

Total estimated resources for Fraser Island.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7556	1990	COOPER, W.	QUEENSLAND MINERAL COMMODITY REPORT. MINERAL SANDS.	QUEENSLAND GOVERNMENT MINING JOURNAL, 91, 61-66.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1954	to	1958	AJH Wight and party (Fraser Mineral Sands Syndicate) held a number of dredging leases along the ocean beach. No mining was carried out.

Operating Mine Life: 1965 to 1976 Queensland Titanium Mines Pty Ltd towed a dredging plant from Inskip Point to the southern end of Fraser Island in November 1971. Mining commenced in 1972 and progressed northwards along the beach.

1976	to	1976	Operations ceased in 1976 after the Commonwealth Government banned the export of Fraser Island minerals sands.

Mining Operations	Comments
DREDGING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC SEDIMENTARY COVER	

Deposit Model

GENERAL OREBODY MODEL	SHORELINE PLACER
DETAILED OREBODY MODEL	SHORELINE (STRANDLINE) PLACER HEAVY MINERALS
GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT HEAVY MINERALS

Mineralisation Age

ORE	QUATERNARY

Comments

The richest mineral sand deposits on Fraser Island are associated with the ocean beach from Indian Head southwards and with strandlines in the south-east corner of the island.

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Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

Other Names for Deposit / Mine

Fraser Island

Commodities	Size	Size Definition
RUTILE	LARGE	>500 000 tonnes RUT
ZIRCON	MEDIUM	500 000 - 1 000 000 tonnes ZIR
MONAZITE	SMALL	200 - 20 000 tonnes MZ
ILMENITE	SMALL	5 000 - 5 000 000 tonnes IM

Production Details

Period: 1-Jan-1965 to 31-Dec-1976

RUTILE	153,399.8 tonnes
ZIRCON	117,728.1 tonnes
MONAZITE	323.7 tonnes

Published Reserves/Resources

BR 7556 Published in 1990

INFERRED MINERAL RESOURCE

2,914,600 Tonnes ILMENITE
893,300 Tonnes ZIRCON
867,300 Tonnes RUTILE

Total estimated resources for Fraser Island.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7556	1990	COOPER, W.	QUEENSLAND MINERAL COMMODITY REPORT. MINERAL SANDS.	QUEENSLAND GOVERNMENT MINING JOURNAL, 91, 61-66.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1954	to	1958	AJH Wight and party (Fraser Mineral Sands Syndicate) held a number of dredging leases along the ocean beach. No mining was carried out.

Operating Mine Life: 1965 to 1976 Queensland Titanium Mines Pty Ltd towed a dredging plant from Inskip Point to the southern end of Fraser Island in November 1971. Mining commenced in 1972 and progressed northwards along the beach.

1976	to	1976	Operations ceased in 1976 after the Commonwealth Government banned the export of Fraser Island minerals sands.

Mining Operations	Comments
DREDGING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC SEDIMENTARY COVER	

Deposit Model

GENERAL OREBODY MODEL	SHORELINE PLACER
DETAILED OREBODY MODEL	SHORELINE (STRANDLINE) PLACER HEAVY MINERALS
GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT HEAVY MINERALS

Mineralisation Age

ORE	QUATERNARY

Comments

The richest mineral sand deposits on Fraser Island are associated with the ocean beach from Indian Head southwards and with strandlines in the south-east corner of the island.

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40761 **GALALA RANGE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 23KM NNW OF LYNDBROOK

1:100 000 sheet Number and Name: 7762 LYNDBROOK

Grid Reference: Zone 55 221763 mE 8047669 mN Latitude -17.6403 Longitude 144.3777 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Galala Range Prospect

Commodities	Size	Size Definition
TUNGSTEN	SMALL	5 - 500 tonnes W
MOLYBDENUM	VERY SMALL	<50 tonnes MO
BISMUTH	VERY SMALL	<50 tonnes BI
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1910 to 31-Dec-1945

WOLFRAMITE 52.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
TRENCHES	
ADITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Blackman Gap Complex / SILURIAN to SILURIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	WOLFRAM VEINS

Mineralisation Age

ORE	PALAEOZOIC

Comments

Flat-dipping quartz veins up to 1.5m thick occur in sericite-silica altered granite. There is a central core of near surface, high-grade molybdenum mineralisation separated from a zone of high-grade tungsten-gold mineralisation.

Drilling by Auzex Resources Ltd returned 14m at 0.15% Mo from 15m and 4m at 0.56% W and 0.4g/t Au from 6m. The best intersection from a second phase of drilling was 5m at 0.2% Mo.

Results from a 9 hole drill program announced in January 2008 confirmed the potential for a sizeable Mo resource at shallow depth. Better intersections included 17m at 0.13% Mo from 30m, 7m at 0.13% Mo from 38m, and 8m at 0.12% Mo from 41m.

Preliminary metallurgical testwork has confirmed that the mineralisation is amenable to processing by flotation to produce a clean molybdenite concentrate.

Web Page

www.auzex.com

Queensland Minerals

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504527 **GAUCI SANDSTONE**

CARE AND MAINTENANCE

Descriptive Location: MCERLEANS ROAD HELIDON, 90KM WEST OF BRISBANE.

1:100 000 sheet Number and Name: 9342 HELIDON

Grid Reference: Zone 56 414444 mE 6954264 mN Latitude -27.5326 Longitude 152.1336 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BUILDING STONE	MEDIUM	2 000 000 - 10 000 000 tonnes BLST
SANDSTONE	LARGE	>1 000 000 tonnes SST

Production Details

Period: 1-Jul-2004 to 30-Jun-2007

SANDSTONE 25.0 tonnes

Published Reserves/Resources

BR 6192 Published in 2000

GAUCI SANDSTONE

INDICATED MINERAL RESOURCE

5,700,000 Tonnes SANDSTONE

Predominantly fine to medium-grained material with some coarse quality.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6192	2000	NEVILLE BJ, WILLMOTT WF, O'FLYNN ML, POTTER R	KEY RESOURCE AREAS FOR SANDSTONE BUILDING STONE, EXTRACTIVE MATERIALS AND EXPLOSIVES INDUSTRY HELIDON AREA (DRAFT).	DEPARTMENT OF MINES AND ENERGY KEY RESOURCE AREA REPORT NO.3

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	50181	100.00%	PERKINS	Neville William
ML	50202	100.00%	PERKINS	Neville William

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CLARENCE-MORETON BASIN	Helidon Sandstone / TRIASSIC to TRIASSIC

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

Mineralisation Age

ORE LATE TRIASSIC to EARLY JURASSIC

Comments

Web Page

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512793 **GEM**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 12.6KM NORTH OF QUAMBY.

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 419445 mE 7758448 mN Latitude -20.2700 Longitude 140.2286 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 31-Dec-1936 5 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	1.0 tonnes	20.00 percent
GOLD	BULLION	0.0 kilograms	3.96 grams per tonne

Published Reserves/Resources

BR 9473 Published in 2010 **GEM**

INFERRED MINERAL RESOURCE 491,936 tonnes Ore @

0.51 % COPPER **FOR** 2,508 Tonnes COPPER

0.19 g/t GOLD **FOR** 93 Kilograms GOLD

Comments/Cut Off Factor: 0.2% Cu

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9473	2010	CHINA YUNNAN COPPER AUSTRALIA LIMITED	MAIDEN INFERRED RESOURCE ESTIMATE FOR THE GEM COPPER-GOLD PROSPECT.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 9 JUNE 2010. CHINA YUNNAN COPPER AUSTRALIA LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
PITS	
UNDERGROUND MINING METHODS	
STOPING	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 12205	100.00%	CHINALCO YUNNAN COPPER RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Dipvale Granodiorite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	Dipvale Granodiorite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

China Yunnan Copper Australia Ltd carried out ground magnetic soil and Niton XRF surveys in February 2009.
Drilling in the June 2009 quarter returned 38m at 1.25% Cu and 0.2g/t Au from 33m, 3m at 2.36% Cu and 0.4g/t Au from 51m, 1m at 2.53% Cu and 0.24g/t Au from 31m, 1m at 1.6% Cu and 9.98g/t Au from 31m and 6m at 1.1% Cu and 0.28g/t Au from 185m.
The Gem prospect comprises subparallel mineralised zones trending north-west. Three of these trends have been named the West Zone, Central Zone and East Zone. They are subparallel quartz-pyrite-chalcopyrite-hematite breccias hosted by the Naraku Granite.
August 2009 results included 5m @ 0.77% Cu and 0.05g/t Au from 96.5m (with 3m @ 1.22% Cu and 0.07g/t Au from 98.5m) and 22m @ 0.46% Cu and 0.6g/t Au from 43m (including 3m @ 1.46% Cu and 0.23g/t Au from 44.5m and 2.5m @ 1.81% Cu and 4.73g/t Au from 62.5m)
Disseminated copper mineralisation was also found in intrusive dykes parallel to the main mineralised trend.
In June 2010 mineralisation appears to be extended at depth, particularly in the northern area. Significant mineralised zones were intersected in GR-015 (6m @ 1,1% copper and 0.3 g/t gold from 185m) and in GR-042 (4m @ 1.3% copper & 1.2 g/t gold at 177m).
The mineralisation appears to be confined to subvertical zones within biotite granite that contain quartz veins dipping north-east to east.
These veins contain patchy to massive chalcopyrite +/- pyrite +/- pyrrhotite +/- magnetite within zones of aplite.
Post-mineralisation granitic dykes appear to have stoped out the earlier mineralisation. The mineralised zones of the inferred resource are defined as two near-surface subvertical pipes (BR9549).

Web Page

www.cycal.com.au

Queensland Minerals

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481692 **GENERAL GRANT**

ABANDONED MINE

Descriptive Location: 0.6 KM SSW OF RAVENSWOOD.

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 488237 mE 7776875 mN Latitude -20.1051 Longitude 146.8875 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Grant

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1870	to	31-Dec-1900		13,525	tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	735.6 kilograms	
Period:	1-Jan-1903	to	31-Dec-1912		12,750	tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	714.0 kilograms	
GOLD				FINE	35.6 kilograms	
Period:	1-Jan-1919	to	31-Dec-1919		45	tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	3.3 kilograms	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1870	to	1900	Reef worked intermittantly
1903	to	1919	Mine taken over by New Ravenswood Limited until 1916 when major mining ended. Mine was then bought by Ravenswood Gold Mines in 1918 but mining was then focused on the Duke Mine.
		1869	Reef discovered.

Mining Operations	Comments
SHAFTS	Worked to 33 m vertical, then 7268 m on the underlie.
INCLINED SHAFTS / DRIVES	
DECLINED SHAFTS/DRIVES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1380	100.00%	CARPENTARIA GOLD PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Jessop Creek Granite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	CARBONIFEROUS

Comments

Carpentaria Gold Pty Ltd is a subsidiary of Resolute Mining Ltd.

Web Page

www.resolute-ltd.com.au

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1877	to	31-Dec-1987		40,674	tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	811.0 kilograms	19.94 grams per tonne

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

Published Reserves/Resources

BR 2387 Published in 1987

GENERAL GRANT

INFERRED MINERAL RESOURCE 7,260 tonnes Ore @ 12.40 g/t GOLD **FOR** 90 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 2387	1987	PETERS, S.G.	GEOLOGY, LODE DESCRIPTIONS AND MINERALISATION OF THE HODGKINSON GOLDFIELD, NORTHEASTERN QUEENSLAND.	JAMES COOK UNIVERSITY OF NORTH QUEENSLAND, ECONOMIC GEOLOGY RESEARCH UNIT, CONTRIBUTIONS, 20.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1877	to	1910	
1932	to	1932	
1936	to	1936	
1937	to	1937	
1941	to	1941	
1946	to	1946	
1959	to	1959	
1982	to	1987	

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)

Mineralisation Age

ORE	DEVONIAN

Comments

The General Grant lode was the second largest producer in the central Hodgkinson Goldfield.

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Queensland Minerals

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507619 **GERMAN CHURCH ROAD**

CARE AND MAINTENANCE

Descriptive Location: 3.5KM E OF MOUNT COTTON, EAST OF BRISBANE.

1:100 000 sheet Number and Name: 9542 BEENLEIGH

Grid Reference: Zone 56 526802 mE 6943463 mN Latitude -27.6325 Longitude 153.2717 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

German Church Road Quarry
Red Barry

Commodities	Size	Size Definition
BRICK CLAY	MEDIUM	200 000 - 20 000 000 tonnes BKCY
AGGREGATE		

Production Details

Period:	1-Jul-1996	to	30-Jun-1999	
BRICK CLAY				297,750.0 tonnes
Period:	1-Jul-1997	to	30-Jun-2008	
AGGREGATE				311,239.0 tonnes
Period:	1-Jul-1998	to	30-Jun-2008	
GRAVEL				389,579.0 tonnes
Period:	1-Jul-2001	to	30-Jun-2002	
BRICK CLAY				92,231.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname	
ML	50010	100.00%	REDHEART PTY. LTD.	
ML	50113	100.00%	CLARK	Barry Griffith

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BEENLEIGH SUBPROVINCE (BLOCK)	Neranleigh-Fernvale beds / DEVONIAN to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	DEVONIAN to CENOZOIC

Comments

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45360 **GIBSON FLATS**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 20 KM NORTH-NORTH-EAST OF BAMAGA, 700KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7376 THURSDAY ISLAND

Grid Reference: Zone 54 659024 mE 8814367 mN Latitude -10.7221 Longitude 142.4542 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Published Reserves/Resources

Company Report 3113 Published in 1990

INFERRED MINERAL RESOURCE 670,000 cubic metres Ore @ 0.30 kg/m*3 CASSITERITE **FOR** 201 Tonnes CASSITERITE

Also 350,000 cubic metres at 200g cassiterite per cubic metre.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14601	100.00%	HADLEY CASTLE PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Consolidated Mining Industries Ltd carried out auger drilling at Gibson Flats. The company estimated inferred resources as 0.67 Mm3 at 340 g/m3 cassiterite and 0.35 Mm3 at 200 g/m3.

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42458 **GIFT**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 21KM NW OF RAVENSHOE, 23KM NE OF MOUNT GARNET, 80KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 319059 mE 8059173 mN Latitude -17.5465 Longitude 145.2953 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Period: 1-Jan-1946 to 31-Dec-1984 12,567 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 93.2 tonnes

Published Reserves/Resources

BR 6053 Published in 1999

INDICATED MINERAL RESOURCE 25,000 tonnes Ore @ 1.00 % CASSITERITE **FOR** 250 Tonnes CASSITERITE

BR 6053 Published in 1999

INFERRED MINERAL RESOURCE 50,000 tonnes Ore @ 1.00 % CASSITERITE **FOR** 500 Tonnes CASSITERITE

BR 6053 Published in 1999

MEASURED MINERAL RESOURCE 28,000 tonnes Ore @ 1.00 % CASSITERITE **FOR** 280 Tonnes CASSITERITE

A total resource of 103,000t at 1% Sn with 1,030t contained tin. - BR 6053.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname	Christian Name
ML 4438	100.00%	LUDLOW	Richard Henry

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Chloritic tin lodes occur in a shear zone in deformed and altered metasediments. The lodes comprise kaolin, tourmaline, quartz, calcite and host rock material.

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480717 **GILBERT RIVER ALLUVIALS**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 80 KM SOUTH OF FORSAYTH, 320KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7659 GILBERTON

Grid Reference: Zone 54 775471 mE 7863667 mN Latitude -19.3020 Longitude 143.6213 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Barry'S Beach

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 5391 Published in 1990

GILBERT RIVER ALLUVIALS

INFERRED MINERAL RESOURCE 2,300,000 tonnes Ore @ 0.27 g/t GOLD **FOR** 621 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5391	1990	LOUTHEAN, R. (EDITOR)	REGISTER OF AUSTRALIAN MINING 1990/91.	RESOURCE INFORMATION UNIT LTD, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1869	to	1869	Discovery of gold in Gilbert RIver by Richard Daintree.

Mining Operations	Comments
DREDGING	
GULLY RAKING / SLUICING	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER GOLD

Mineralisation Age

ORE	CENOZOIC

Comments

Gold was first discovered in the Gilbert River in 1869 and the resultant rush led to the establishment of the township of Gilberton.
Alluvial mining took place extensively in the late 1800s and then again in the 1980s, when extensive mechanical mining took place.
Alluvial production from the area is known to be extensive but actual production figures are not available.

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493644 **GILDED ROSE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 14.2KM SE OF CLONCURRY

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 460514 mE 7702499 mN Latitude -20.7768 Longitude 140.6206 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Zap
Surprise Reef
Victory
La France

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1872	to	31-Dec-1875			
GOLD				BULLION	41.2 kilograms	
Period:	1-Jan-1875	to	31-Dec-1883		3,463 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	146.6 kilograms	42.34 grams per tonne
Period:	1-Jan-1905	to	31-Dec-1947		841 tonnes DUMP	
GOLD				BULLION	9.5 kilograms	11.36 grams per tonne
Period:	1-Jan-1933	to	31-Dec-1941		481 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	26.7 kilograms	55.52 grams per tonne
Period:	1-Jan-1935	to	31-Dec-1937		92 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	1.9 kilograms	21.50 grams per tonne

Published Reserves/Resources

BR 10576 Published in 2016 **GILDED ROSE**

INDICATED MINERAL RESOURCE 22,700 tonnes Ore @ 5.11 g/t GOLD **FOR** 115 Kilograms GOLD

Comments/Cut Off Factor: 0.5 g/t Au

BR 10576 Published in 2016 **GILDED ROSE**

INFERRED MINERAL RESOURCE 120,800 tonnes Ore @ 4.00 g/t GOLD **FOR** 483 Kilograms GOLD

Comments/Cut Off Factor: 0.5 g/t Au

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10576	2016	QUEENSLAND MINING CORPORATION LIMITED	ANNUAL REPORT 2016	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 21 OCTOBER 2016. QUEENSLAND MINING CORPORATION LIMITED, SYDNEY.

Queensland Minerals

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1871	to	1871	This reef was discovered in 1871 and was the first gold reef taken up in the Cloncurry area.
1872	to	1883	This was the main period of historical production. A stamper battery was erected in the 1870s.
1885	to	1890	The Bishops Creek Gold Mining Company was floated in 1885 and another 5-head stamper battery was erected in 1886. Chlorination works were erected in 1886. Groat and Company (Soldiers Cap) took over the machinery in 1890.
1894	to	1898	Attempts to treat the tailings by cyanidation were unsuccessful.
1904	to	1905	Further attempts to treat the old tailings failed.
1925	to	1925	The old mine was abandoned in 1925.
1931	to	1942	Mainly worked old tailings and dumps. A small 3-head pilot battery with an amalgamating table and blankets was hired from the Mines Department and erected at the mine in 1933.
1987	to	1989	Operated by the Diversified Mineral Resources - Central Victoria Gold Mines Joint Venture. Production is not known but is believed to be minimal. The ore would have been treated at Mount Freda.
1987	to	1989	Diversified Mineral Resources quoted reserves of 38,000t at 17g/t Au over a 100m strike length and resources of 300,000t at 5.5g/t Au.
2000			Spinifex Mining NL refurbished an old exploration shaft to 60m depth, with a 20m cross-cut at the 60m level and drives for 30m east and west. About 1000t of ore was stoped to 18m above the 60m level, for an average head-grade of 10g/t Au.
2000			Some of the ore assays 30 to 50g/t Au and the reef averages 0.8m in width. The ore is being treated through a pilot plant at the mine site.

Mining Operations	**Comments**
SHAFTS	
UNDERGROUND MINING METHODS	
STOPING	
OPEN CUT MINING	
PITS	
TRENCHES	

Tenure Type/Number		**SHARE**	**Company Name/Surname**
ML	2709	100.00%	SPINIFEX MINES PTY LTD
ML	2718	100.00%	SPINIFEX MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Mount Norna Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Gold mineralisation at Gilded Rose occurs as sheeted quartz veins within an interbedded sequence of schist, phyllite and amphibolite that can be traced 1km along strike. Individual veins average 0.3m wide but can range up to massive veins up to 2m wide.
Veins occur over a width of 0.5 to 10m. Individual veins have short strike lengths of <25m but the overall system has a strike length of ~800m.
RC drilling completed in June 2010 intersected 19m at 5.53g/t Au from 52m (including 4m at 20.68g/t Au from 52m), 11m at 2.19g/t Au from 46m (including 3m at 7.28g/t Au from 54m), 6m at 2.83g/t Au from 66m, and 5m at 6.54g/t Au from 82m.
The gold zone is >250m along strike and is open along strike and at depth.

Web Page

www.queenslandminingcorporation.com.au

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42459 **GILLIAN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 7KM SW OF MT GARNET, 105KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 293908 mE 8040830 mN Latitude -17.7100 Longitude 145.0567 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Gillian Prospect

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
IRON	SMALL	5 000 - 5 000 000 tonnes FE
MAGNETITE	SMALL	50 000 - 500 000 tonnes MT
FLUORITE	VERY SMALL	<50 tonnes FL

Production Details

Published Reserves/Resources

BR 10409 Published in 2014 **GILLIAN**

INDICATED MINERAL RESOURCE 1,160,000 tonnes Ore @

32.50 % IRON **FOR** 377,000 Tonnes IRON

0.74 % TIN **FOR** 8,584 Tonnes TIN

Comments/Cut Off Factor: 0.2% Sn

BR 10409 Published in 2014 **GILLIAN**

INFERRED MINERAL RESOURCE 180,000 tonnes Ore @

25.20 % IRON **FOR** 45,360 Tonnes IRON

0.53 % TIN **FOR** 954 Tonnes TIN

Comments/Cut Off Factor: 0.2% Sn

BR 10409 Published in 2014 **GILLIAN**

MEASURED MINERAL RESOURCE 1,200,000 tonnes Ore @

34.20 % IRON **FOR** 410,400 Tonnes IRON

0.86 % TIN **FOR** 10,320 Tonnes TIN

Comments/Cut Off Factor: 0.2% Sn.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10409	2014	CONSOLIDATED TIN MINES LIMITED	ANNUAL REPORT 2014	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE. 13 OCTOBER 2014. CONSOLIDATED TIN MINES LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
MDL 38	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	Hammonds Creek Granodiorite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL REPLACEMENT DEPOSIT

DETAILED OREBODY MODEL TIN SKARN

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Geological mapping, soil sampling, and geophysical and drilling programs were undertaken, including the drilling of 7 percussion holes and 4 core holes.

In 1974, 9 costeans, 16 core holes (1583m), mineragraphic and chemical studies, leaching tests, liberation analysis, magnetic separations, attrition tests and gravity separation tests, and assaying for total tin and insoluble tin were carried out.

Two forms of tin are present - cassiterite and "gillianite" (tin substituting in the geothite lattice). In 1976, it was concluded that there might be 1Mt of material containing ~0.7% to 0.9% insoluble tin.

A detailed review of the petrology and metallurgy of the deposit concluded that Sirosmelt and centrifugal jigs were two possible solutions to metallurgical problems with the very fine-grained cassiterite. A 1993 study concluded that the economics

Drilling results announced by Consolidated Tin Mines Ltd in July 2008 included 3m at 2.82% Sn and 34.5% Fe from 22m, 10m at 0.82% Sn and 38.3% Fe from 35m, 2m at 0.65% Sn and 27.4% Fe from 36m and 2m at 2.07% Sn and 40.6% Fe from 53m.

Mining economics could be improved by selective mining of high-grade zones. Strike Mining NL carried out trenching over geophysical resistivity chargeability anomalies to expose possible extensions to the known lodes in 1997, with negative results.

In 1998, Tin Australia NL confirmed that a significant cassiterite-rich zone occurs at the southern end. An indicated resource of 0.5Mt at 1% Sn was based on previously compiled sections.

Drilling intercepts from October to December 2008 included 25m @ 1.07% Sn and 48.7% Fe from 16m, 5m @ 0.86% Sn and 38.7% Fe from 57m, 5m @ 0.81% Sn and 35.2% Fe from 28m, 2m @ 1.11% Sn and 26.5% Fe from 48m and 23m @ 0.71% Sn and 41.8% Fe from 14m.

New mineralisation lenses were intersected during drilling completed in August 2008, with the best drill intercept giving 40m @ 0.75% Sn and 29.9% Fe from 20m downhole.

Metalllurgical testwork in the June 2009 quarter indicated that a higher than expected tin grade concentrate could be achieved using conventional milling equipment. At least 30% of the cassiterite was recovered into a concentrate assaying 45% Sn.

This prospect is a large, low grade tin deposit similar to the Pinnacles and Ironstone deposits in the Mount Garnet area. It has been classified as true pyrometasomatic contact skarn. It covers an area of 399 hectares.

It is within the Hodgkinson Province, close to the bounding Palmerville Fault Zone. Tin mineralisation is contained in bodies of ironstone forming parts of roof pendants in coarse-grained granites.

The deposit was mined up until the 1960s for magnetite for heavy media for tin jigging. Exploration commenced in the eraly 1970s with the pegging of four mining leases.

Web Page

www.consolidatedtinmines.com.au; metalsx.com.au/tin/gillian/

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42114 **GIROFLA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: SE OF MUNGANA.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 222764 mE 8106569 mN Latitude -17.1086 Longitude 144.3947 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LEAD	SMALL	1000 - 100 000 tonnes PB
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Period: 1-Jan-1902 to 31-Dec-1953 224,400 tonnes HARD ROCK ORE (OR REEF)

LEAD	METAL	30,192.0 tonnes
COPPER	METAL	6,018.0 tonnes
SILVER		54,425.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1888	to	1888	Deposit discovered
1902	to	1914	First period of mining.
1921	to	1930	Second period of mining
1948	to	1953	Final period of historic mining.
1995	to	1995	Gold copper deposit discovered.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	Eight levels of underground workings.
PITS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	4928	100.00%	MUNGANA GOLDMINES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT	PIPE
DETAILED OREBODY MODEL	COPPER SKARN	

Mineralisation Age

ORE PALAEOZOIC

Comments

The Girofla mine is 2km north-west of the Red Dome mine. It was the biggest single historical mine in the Chillagoe field.
Girofla appears to be a Red Dome style system that is buried somewhat deeper than Red Dome. The lode consisted of three, vertical, pipe-like bodies that coalesced at depth.
Kagara Zinc Ltd drill intersection in 2006 (hole 932) of 1.5m@14.4% Pb, 7% Zn and 196g/t Ag in a 7.9m zone of mineralisation.

Web Page

www.kagara.com.au

Queensland Minerals

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491750 **GLADSTONE PACIFIC**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 75 KM NW OF ROCKHAMPTON.

1:100 000 sheet Number and Name: 8852 MARLBOROUGH

Grid Reference: Zone 55 793414 mE 7468171 mN Latitude -22.8686 Longitude 149.8595 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Gladstone Pacific Nickel Project
Marlborough Lateritic Nickel Project
Marlborough
Marlborough Preston Nickel Project

Commodities	Size	Size Definition
NICKEL	LARGE	>500 000 tonnes NI
COBALT	LARGE	>20 000 tonnes CO

Production Details

Published Reserves/Resources

BR 8895 Published in 2008

GLADSTONE PACIFIC NICKEL

INDICATED MINERAL RESOURCE 42,900,000 tonnes Ore @

11.90 % IRON	**FOR**	5,105,100 Tonnes IRON
5.50 % MAGNESIUM	**FOR**	2,359,500 Tonnes MAGNESIUM
0.91 % NICKEL	**FOR**	393,120 Tonnes NICKEL
0.06 % COBALT	**FOR**	25,920 Tonnes COBALT

Comments/Cut Off Factor: 0.7% Nickel cutoff

BR 8895 Published in 2008

GLADSTONE PACIFIC NICKEL

INFERRED MINERAL RESOURCE 16,300,000 tonnes Ore @

10.80 % IRON	**FOR**	1,760,400 Tonnes IRON
5.60 % MAGNESIUM	**FOR**	912,800 Tonnes MAGNESIUM
0.87 % NICKEL	**FOR**	141,810 Tonnes NICKEL
0.06 % COBALT	**FOR**	9,780 Tonnes COBALT

Comments/Cut Off Factor: 0.7% Nickel cutoff

BR 8895 Published in 2008

GLADSTONE PACIFIC NICKEL

MEASURED MINERAL RESOURCE 11,700,000 tonnes Ore @

11.40 % IRON	**FOR**	1,333,800 Tonnes IRON
8.40 % MAGNESIUM	**FOR**	982,800 Tonnes MAGNESIUM
0.99 % NICKEL	**FOR**	115,830 Tonnes NICKEL
0.06 % COBALT	**FOR**	7,020 Tonnes COBALT

Comments/Cut Off Factor: 0.7% Nickel cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8895	2008	GLADSTONE PACIFIC NICKEL LTD	2008 ANNUAL REPORT FOR THE FINANCIAL YEAR ENDED 30 JUNE 2008	GLADSTONE PACIFIC NICKEL LTD, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	80056	100.00%	MARLBOROUGH NICKEL PTY LTD
ML	80057	100.00%	MARLBOROUGH NICKEL PTY LTD
ML	80058	100.00%	MARLBOROUGH NICKEL PTY LTD
ML	80059	100.00%	MARLBOROUGH NICKEL PTY LTD
ML	80060	100.00%	MARLBOROUGH NICKEL PTY LTD
ML	80061	100.00%	MARLBOROUGH NICKEL PTY LTD
ML	80062	100.00%	MARLBOROUGH NICKEL PTY LTD
ML	80063	100.00%	MARLBOROUGH NICKEL PTY LTD
ML	80064	100.00%	MARLBOROUGH NICKEL PTY LTD
ML	80065	100.00%	MARLBOROUGH NICKEL PTY LTD

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Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARLBOROUGH PROVINCE	Princhester Serpentinite / NEOPROTEROZOIC to EARLY PALAEOZOIC

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC NICKEL

Mineralisation Age

ORE	CENOZOIC

Comments

The Marlborough Ni project area extends over about 850 km2. Ten near-surface laterite nickel deposits have a total strike length of 40km. Nickel occurs in a blanket about 10-20m thick with cobalt mineralisation towards the top of the nickel zone.

The project involves mining nickel-cobalt laterite from the Marlborough region, transporting the beneficiated ore via a 75km slurry pipeline to a fourth generation, two autoclave, HPAL nickel-cobalt plant at Gladstone.

Stage 1 of the plant will have a design capacity to produce 30,000tpa nickel and 1400tpa cobalt. The company has completed 30,000m infill and step-out drilling on the Marlborough resources.

The current resource for the nickel project includes the Whereat, Slopeaway, Slopeaway North, Gumigil North, Coorumburra East, Coorumburra Central and Coorumburra West deposits. Other deposits in the area are being evaluated.

These resources translate to proved and probable mining reserves of 48.65Mt at 0.94% Ni and 0.06% Co (Gladstone Pacific Nickel Ltd, 2006 Annual Report).

On 11 May 2012 Fairway Coal announced an unconditional takeover offer for all ordinary shares in Gladstone Pacific Nickel Limited and successfully acquired 92% of total shares in October 2012. EIS stage 1&2 and the Marlborough leases are still current.

Web Page

http://www.gladstonepacific.com.au

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39780 **GLANMIRE AND MONKLAND**

ABANDONED MINE

Descriptive Location: 2.9 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468105 mE 7100945 mN Latitude -26.2106 Longitude 152.6807 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Monkland, No.6 South

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1870 to 31-Dec-1894 13,950 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 764.9 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	50114	100.00%	GYMPIE ELDORADO MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

The location of this mine is suspected to be about 20 m west of that shown by Dunstan (1910,1911), placing it almost beneath the railway line. This location is shown by Rands (1899) and is supported by DME Lease Plans 18555 and 19467.

The Glanmire and Monkland lease (GML 221) was incorporated into the 'Monkland, Nos 7 & 8 South' lease (GML 597) in about 1884.

Mine production was grouped by Rands (1889) under the 'Monkland, Nos 7 & 8 South' lease.

Web Page

www.bukagold.com.au

Queensland Minerals

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39781 **GLANMIRE AND MONKLAND, SOUTH**

ABANDONED MINE

Descriptive Location: 3.2 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468414 mE 7100803 mN Latitude -26.2119 Longitude 152.6838 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Great Eastern Extended, South

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1892 to 31-Dec-1922 211,560 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 5,325.9 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 50114	100.00%	GYMPIE ELDORADO MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE EARLY TRIASSIC to MIDDLE TRIASSIC

Comments

From 1898 to at least 1907, this mine (the east shaft) served as the main shaft of the Glanmire and Monkland, South lease, accessing reefs to the east of the shaft.

From 1908 to 1917, mining focused on the Inglewood reef area in the deeper ground beneath the west shaft workings.

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Queensland Minerals

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39777 **GLANMIRE P.C.**

ABANDONED MINE

Descriptive Location: 2.8 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468081 mE 7101065 mN Latitude -26.2095 Longitude 152.6805 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1870 to 31-Dec-1900 29,600 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,400.9 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 50114	100.00%	GYMPIE ELDORADO MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Annual Reports of the Department of Mines indicate that the Glanmire and Barrys reefs were worked.
This shaft was the main shaft of the Glanmire P.C. lease until 1885, when the lease was enlarged to include the 'Monkland, No. 4 South'.
Operations subsequently concentrated on the 'Monkland, No. 4 South' shaft (GR 680008, MGA66) which became known as the 'Glanmire P.C., New' shaft. The original 'Glanmire P.C.' shaft (this location) was worked sporadically by tributers until about 1900.

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Queensland Minerals

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39784 **GLANMIRE, NO.1 NORTH, EASTERN**

ABANDONED MINE

Descriptive Location: 2.8 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468238 mE 7101164 mN Latitude -26.2086 Longitude 152.6821 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1889 to 31-Dec-1911 35,700 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,190.3 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 50114	100.00%	GYMPIE ELDORADO MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

The Orient reef ranged from 50mm to 1.4m wide, being narrowest where both walls were slate. The reef occupied a normal fault. Much of the widest and richest part of the reef had slate on one wall and greywacke or sandstone on the other.

The Orient dips west at 35 degrees, a much shallower dip than most of the Gympie reefs. Pyrite and calcite were abundant in the reef, with the calcite being very rich in gold. The Diorite reef (located near a diorite dyke) was also mined.

It comprised quartz and calcite but, in contrast with the Orient reef, the calcite carried little or no gold. Production for this mine up to 1892 cannot be distinguished and has been included with the 'Glanmire, No.1 North, western' shaft production.

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39785 GLANMIRE, NO.1 NORTH, WESTERN

ABANDONED MINE

Descriptive Location: 2.8 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468089 mE 7101116 mN Latitude -26.2090 Longitude 152.6806 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period: 1-Jan-1870 to 31-Dec-1892 82,300 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 3,856.7 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	50114	100.00%	GYMPIE ELDORADO MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

About 4m west of 'Great Eastern reef', a 9 to 12m wide zone of quartz leaders in hard, altered sandstone, below the base of the slate, was also mined (Rands, 1891).

Some production from the 'Glanmire, No.1 North' western shaft for the 1889-1892 period may have been included with this mine.

This mine was shown by Dunstan (1910, 1911) as the 'Glanmire, No.1 North, western shaft'. The most favourable host rock, the slate, was 60m thick in this area and was intersected in the shaft between 49 and 110m depth (Rands, 1889).

Seven near-parallel reefs were worked up to 1889 - Nos 1, 2 and 3 reefs to the west of the shaft, and Nos 4, 5, 6 and Great Eastern reefs to the east.

Nos 1 and 2 reefs were only 9m apart and were thought to be extensions of the Glanmire reef worked in the 'Glanmire P.C.' to the south.

The No. 3 reef was the richest in the mine up to that time (1889).

Nos 4 and 6 reefs were not payable. (No. 6 was 1.8m wide, comprising 0.2m of quartz and 1.6m of 'mullock').

Rands (1889) gave no data for the No. 5 reef and no mining had been done on it at the time. The Great Eastern reef was found 137m east of the shaft at the 110m level. It was worked extensively between 1888 and 1892.

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Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

39787 **GLANMIRE, NORTH**

ABANDONED MINE

Descriptive Location: 2.7 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468039 mE 7101136 mN Latitude -26.2089 Longitude 152.6801 Date Recorded: 5/November/2007

Other Names for Deposit / Mine

Amalgamated Monkland And Glanmire Deep

Glanmire No.2 North

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period: 1-Jan-1872 to 31-Dec-1921 82,720 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 2,709.7 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	50114	100.00%	GYMPIE ELDORADO MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Prospecting the Great Eastern reef in 1918 proved disappointing even though some gold was found. Operations ceased in that year and the company was wound up. Tributers worked the 91m level, west of the shaft, from 1919 to 1921.

Also known as the 'Glanmire, No. 2 North'. Production on this lease, including the Witshire and other shafts, could not be split up. Slate was met in the main shaft from 46 to 99m depth & nine reefs were met in eastern crosscuts on 3 levels (Rands, 1889).

No.1 reef, 7m east of the shaft, was not payable; No.2 reef, 21m east of the shaft, was the most productive & was worked out between the 61 & 152m levels. Average width of the reef formation was 0.9m & was very rich in Au on the 'break' at the 105m level.

No. 3 reef, 35m east of the shaft, was payable only for 30m north of a crosscourse located to the north. This was the main reef worked in the 'Glanmire, Nos 3 & 4' mine.

No. 4 reef, 74m E of the shaft, was worked up to the 105m level, where it was 0.9m wide but carried little gold. No. 5 reef, 132m from the shaft, was of 'good size' & payable. No.6 reef, 139m E of shaft, worked both the 140 & 149m levels for fair returns.

No. 5 and No. 6 reefs unite south of the crosscut at the bottom level. No. 7 reef, 175m east of the shaft, comprised a gold-bearing leader. No. 8 reef was a very small leader.

No.9 reef (Great Eastern reef, 197m E of the shaft); averaged 0.3m wide near the crosscut but towards the Nth it narrowed & gold grades declined. A fault near the northern lease boundary displaced all reefs to the east. No slate was met west of the shaft.

The mine was reopened and underground exploration commenced by the Amalgamated Monkland & Glanmire Deep Mines Company in 1911. The 'third bed of slate' was sought.

In the period 1911-1918, the shaft was deepened from 177 to 604m and extensive prospecting carried out on several levels.

Although the rocks encountered were considered favourable as hosts for gold mineralisation (Dunstan, 1915b), the work proved generally unsuccessful and gold production was minimal.

Web Page

www.bukagold.com.au

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39789 **GLANMIRE, NOS 3 & 4 NORTH**

ABANDONED MINE

Descriptive Location: 2.6 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468042 mE 7101241 mN Latitude -26.2079 Longitude 152.6801 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1874 to 31-Dec-1906 76,500 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 2,144.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 50114	100.00%	GYMPIE ELDORADO MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Some production from the 'Glanmire, Nos 3 & 4 North (Cullinanes; Great Eastern and Orient)' may be included here.
From 1892, this mine was worked as the 'Glanmire Tribute, Nos 2 & 3 North'. Rands (1889) described the mine workings and geology.
The host 'Monkland slate' was about 60m thick.
The No. 2 reef, equivalent to the Columbia reef in the 'Smithfield, Nos 2 & 3' and the No. 3 reef in the Glanmire, North', was described as 'very big' and one of the richest at Gympie'.
Two main reefs (the No. 1 and No. 2 reefs) as well as two or three small reefs and leaders were found. The No. 1 reef, an extension of the No. 1 reef in the 'Glanmire, North' was not payable.
It yielded up to 7.6m width of 'crushing material'. It was a complex, branching reef, resulting in complicated mine workings.
A 10m wide diorite dyke that strikes 065 degrees and dips nearly vertical,passes through the mine area and cutts but does not displace the reefs. The reefs were reported to carry higher gold contents near the dyke.

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www.bukagold.com.au

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44055 **GLEN APLIN**

ABANDONED MINE

Descriptive Location: 9.7 KM SW OF STANTHORPE.

1:100 000 sheet Number and Name: 9240 STANTHORPE

Grid Reference: Zone 56 390705 mE 6821376 mN Latitude -28.7302 Longitude 151.8808 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Severn River

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Period: 1-Jan-1920 to 31-Dec-1940 106,750 cubic metres ALLUVIUM

CASSITERITE 104.1 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1920	to	1924	
1927	to	1927	
1940	to	1940	

Mining Operations	Comments
DREDGING	

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NEW ENGLAND BATHOLITH	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE CENOZOIC

Comments

Web Page

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493897 **GLEN EVA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 12.5 KM SOUTH EAST OF MOUNT COOLON, 225KM SOUTH OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8355 MOUNT COOLON

Grid Reference: Zone 55 546512 mE 7630116 mN Latitude -21.4306 Longitude 147.4488 Date Recorded: 12/February/2016

Other Names for Deposit / Mine

Hill 273

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jul-1996 to 30-Jun-1997 66,547 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	291.4 kilograms	4.38 grams per tonne

Period: 1-Jul-1997 to 30-Jun-1998

GOLD	FINE	461.1 kilograms	0.93 grams per tonne
SILVER		694.3 kilograms	1.40 grams per tonne

Published Reserves/Resources

BR 10456 Published in 2015 **GLEN EVA UNDERGROUND**

INDICATED MINERAL RESOURCE 132,000 tonnes Ore @ 7.80 g/t GOLD **FOR** 1,032 Kilograms GOLD

Comments/Cut Off Factor: 3.0g/t Au cutoff

BR 10456 Published in 2015 **GLEN EVA UNDERGROUND**

INFERRED MINERAL RESOURCE 21,000 tonnes Ore @ 5.90 g/t GOLD **FOR** 123 Kilograms GOLD

Comments/Cut Off Factor: 3.0g/t Au cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10456	2015	GBM RESOURCES LIMITED	ASX ANNOUNCEMENT: EIGHT MAJOR GOLD SYSTEMS IDENTIFIED, MOUNT COOLON GOLD PROJECT	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE, 10-DECEMBER 2015, GBM RESOURCES.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1992	to	1992	Drilling adjacent to sinter outcrop by Dominion Mining Ltd led to discovery of the orebody.
1997	to	1998	Open cut mining by Ross Mining NL began in January 1997. About 1500 to 2000t per day of high-grade Glen Eva ore was trucked to Yandan for processing. The pit was closed in 1998 due to the high strip ratio and poor gold prices.

Mining Operations	Comments
OPEN CUT MINING	ABANDONED, UNSTABLE AND WATER AT BASE.

Tenure Type/Number		SHARE	Company Name/Surname
ML	10227	100.00%	MT COOLON GOLD MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DRUMMOND BASIN	Silver Hills Volcanics / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE	EARLY CARBONIFEROUS

Comments

The Glen Eva deposit was discovered by Dominian Mining Ltd in 1992 when RAB drilling centred on a small area of outcropping siliceous sinter returned 1m at 1g/t Au (and high Pb contents).

Gold mineralisation occurs in two main veins surrounded by a hydrothermal breccia within a south-east-trending fault zone. A 5 to 15m thick siliceous sinter horizon occurs over the deposit.

An assessment of Glen Eva by Drummond Gold Ltd confirmed the potential for mineralisation at depth. Modelling of the resource was done prior to optimisation studies to determine the potential for a cut back of the existing pit and/or underground mining.

In 2015 GBM Resources entered a binding agreement with Drummond Gold Ltd to acquire 100% interest in Mt Coolon Gold Mines Ltd, including its assets.

Web Page

www.drummondgold.com.au / www.gmbr.com.au

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479163 **GLENGARRY**

ABANDONED MINE

Descriptive Location: 1.8 KM SE OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 632511 mE 7985384 mN Latitude -18.2167 Longitude 142.2532 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Highland Mary No. 4 South

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1887 to 31-Dec-1939 7,027 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 630.8 kilograms 89.77 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 9438	100.00%	CRATER GOLD MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

The Glengarry lease was over a major ore shoot on the Highland Mary reef. The reef branched into two separate veins on this lease and the Sir Garnet leases to the south.

Web Page

www.goldaura.com.au

Queensland Minerals

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38839 **GOLDEN ALEXANDRA**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 5 KM SE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 425115 mE 7775870 mN Latitude -20.1128 Longitude 146.2836 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Alexandra Hill

The Alexandra

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1872 to 31-Dec-1911 23,090 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 982.2 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1885	to	1889	
1905	to	1912	

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	34 shafts shown to work the Alexandra Reef on BR 2548.

Tenure Type/Number		SHARE	Company Name/Surname
ML	1490	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

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Queensland Minerals

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39807 **GOLDEN CROWN**

ABANDONED MINE

Descriptive Location: 1.3 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467270 mE 7102385 mN Latitude -26.1976 Longitude 152.6724 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Gympie Golden Crown
Phoenix, No.1 North

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1876 to 31-Dec-1918 44,300 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,342.4 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

No data is available for the 'Golden Crown west shaft' of Dunstan (1910, 1911). Morton (1931a) reported on a proposal for the cyanidation of tailings.

This mine is also known as the 'Gympie Crown'. Rands (1889) reported on workings in two shafts and illustrated the geology in cross-sections. The west shaft (this location) accessed the Crown and March reefs.

These were worked in the '1st, 2nd and 3rd beds of slate'. The two reefs joined below the level of the '2nd bed' (~130m). The reef at the 253m level was 1.5m wide and comprised greywacke with quartz veins up to 250mm wide and a narrow feldspathic dyke.

The 220m deep east shaft accessed the Phoenix reef. Above about 168m depth, this reef comprised two major branches. The two branches join at about 168m depth, where the west-dipping reef(s) roll into the east-dipping 'Phoenix slide'.

From about 1910, the 'Golden Crown' shaft was used by the Northern Drainage Board for dewatering the interconnected underground workings in the area. The No.1 North Phoenix Company worked this shaft from 1914 to 1916.

The lode was 150mm thick, with 'nice gold' in the south stope of the 366m level. By 1916, the 366m level was mined out and mining was continued on the March reef at the 67m level.

The mine closed soon after due to poor results. In 1920, the Crown Sydicate carried out some prospecting work at the 284m level, without success.

Web Page

www.bukagold.com.au

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481055 **GOLDEN CUP**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 3.3 KM N OF KANGAROO HILLS HS.

1:100 000 sheet Number and Name: 8060 KANGAROO HILLS

Grid Reference: Zone 55 359015 mE 7909210 mN Latitude -18.9044 Longitude 145.6613 Date Recorded: 20/February/2017

Other Names for Deposit / Mine

Amanda Bel [Camel Creek]
Angiang Zone
Helens

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1990 to 31-Dec-1996 209,066 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 529.5 kilograms

Published Reserves/Resources

Company Report 30240 Published in 1998 **GOLDEN CUP PIT 1**

INFERRED MINERAL RESOURCE 27,925 tonnes Ore @
9.53 g/t GOLD **FOR** 266 Kilograms GOLD

Resource extending 30m vertically beneath the current (1998) pit, at a stripping ratio of 17:1.

Company Report 30240 Published in 1998 **GOLDEN CUP PIT 3**

INFERRED MINERAL RESOURCE 16,550 tonnes Ore @
9.25 g/t GOLD **FOR** 153 Kilograms GOLD

An additional resource not include in the figures above. Stripping ratio of 18:1

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1990	to	1996	Heap leaching was completed in early 1996. At this time the reserves were exhausted.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	4536	100.00%	GOLDEN ANT MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMEL CREEK SUBPROVINCE	Kangaroo Hills Formation / SILURIAN to MIDDLE DEVONIAN
BROKEN RIVER PROVINCE	

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)	

Mineralisation Age

ORE PALAEOZOIC

Comments

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38739 **GOLDEN GATE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 14.29 KM SW OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 411407 mE 7770789 mN Latitude -20.1581 Longitude 146.1523 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1882 to 31-Dec-1895 35,303 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 1,605.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1882	to	1895	The mine was worked.

Mining Operations	Comments
PITS	
SHAFTS	Possibly 2 collapsed shafts

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14388	100.00%	MANTLE MINING CORPORATION LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Powlathanga Tonalite / LATE SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE SILURIAN to DEVONIAN

Comments

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479130 GOLDEN GATE AND NANCY LEE UNITED

ABANDONED MINE

Descriptive Location: 6.6 KM NW OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 627011 mE 7991674 mN Latitude -18.1601 Longitude 142.2008 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Baltic

Banner Of Freedom

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
GRAPHITE		

Production Details

Period: 1-Jan-1887 to 31-Dec-1938 38,472 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	1,615.3 kilograms	41.99 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 8795	100.00%	CRATER GOLD MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

This part of the Golden Gate line worked a major oreshoot at the intersection of the Golden Gate reef and the Nancy Lee (a branch reef). This part of the Golden Gate was originally called the Banner of Freedom. The Nancy Lee reef trends 130 degrees and the Golden Gate (Banner of Freedom) trends 160 degrees; both dip shallowly north-east. The section stoped was 365m along strike, 245m down dip and up to 100m vertical depth. Production figures include production from the Golden Gate and Nancy Lee United, Viles Block, Banner of Freedom P.C., Banner of Freedom Nos 1 to 3, 1W, 1N, 1S, 2S, Banner of Freedom Block, Banner of Freedom United, Banner of Freedom and Baltic, Golden Gate Nos 6S to 8S, No. 8S Block, Baltic Extended, and Brennans.
During exploration within the Golden Gate Prospect area Central Pacific Exploration NL reported significant graphitic intersections during drilling adjacent to the Golden Gate CIP plant. An estimated resource of 9MT @ 5.5% C was defined.
Metallurgical testing, however, indicated that concentrations of the graphite resulted in poor recoveries and grades.

Web Page

www.goldaura.com.au

Queensland Minerals

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479129 **GOLDEN GATE UNITED**

ABANDONED MINE

Descriptive Location: 6.8 KM NW OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 626931 mE 7991914 mN Latitude -18.1580 Longitude 142.2000 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1891 to 31-Dec-1915 73,793 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 4,972.7 kilograms 67.39 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 8795	100.00%	CRATER GOLD MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

This part of the Golden Gate reef comprises the Golden Gate United and the Golden Gate Nos 1 South to 5 South and associated block claims. It was a major gold producer. The oreshoot mined was ~290m along strike, 256m down dip, averaged 0.6m in width, and was payable down to ~100m vertical depth. The production figures given include production from the Golden Gate United, Amalgamated , South, South Block, Nos 1 South to 5 South, No. 1A South, No. 1L Block, No. 1 South Extended, Nos 4 South and 5 South
Blocks, and the Empire.

Web Page

www.goldaura.com.au

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493636 **GOLDEN PLATEAU**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1.59KM NNW OF CRACOW, 173.21KM SE OF GLADSTONE.

1:100 000 sheet Number and Name: 8947 CRACOW

Grid Reference: Zone 56 227305 mE 7200876 mN Latitude -25.2837 Longitude 150.2920 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Golden Mile
White Hope
Royal Shoot
Cracow

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Period:	1-Jan-1934	to	31-Dec-1976		1,483,900 tonnes HARD ROCK ORE (OR REEF)
GOLD				FINE	19,081.0 kilograms
SILVER					20,792.0 kilograms
Period:	1-Jul-1987	to	30-Jun-1988		276,005 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	1,143.0 kilograms
Period:	1-Jul-1988	to	30-Jun-1989		285,280 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	1,192.0 kilograms
Period:	1-Jul-1989	to	30-Jun-1990		301,747 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	1,166.0 kilograms
Period:	1-Jul-1990	to	30-Jun-1991		278,700 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	1,371.0 kilograms
Period:	1-Jul-1991	to	30-Jun-1992		
GOLD				BULLION	733.0 kilograms
Period:	1-Jul-1992	to	30-Jun-1993		
GOLD				BULLION	547.0 kilograms

Published Reserves/Resources

BR 10019 Published in 2012

LOW GRADE STOCKPILES

MEASURED MINERAL RESOURCE 11,000 tonnes Ore @ 13.30 g/t GOLD **FOR** 146 Kilograms GOLD

Comments/Cut Off Factor: 2.3g/t Au cut-off
proved reserves at same figure inclusive

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10019	2012	EVOLUTION MINING LIMITED	EVOLUTION MINING MINERAL RESOURCE STATEMENT - JUNE 2012	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 25 SEPTEMBER 2012. EVOLUTION MINING LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1932	to	1976	Initial period of undeground mining from an extensive network of shafts and adits over eight levels.
1987	to	1993	Open cut mining by Sedimentary Holdings NL and limited underground mining from a decline at the base of the opencut. High costs caused cesation of mining in 1993.

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	
UNDERGROUND MINING METHODS	
ADITS	
DECLINED SHAFTS/DRIVES	

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Tenure Type/Number		SHARE	Company Name/Surname
ML	3219	100.00%	LION MINING PTY LTD
ML	3221	100.00%	LION MINING PTY LTD
ML	3223	100.00%	LION MINING PTY LTD
ML	3224	100.00%	LION MINING PTY LTD
ML	3227	100.00%	LION MINING PTY LTD
ML	3228	100.00%	LION MINING PTY LTD
ML	3230	100.00%	LION MINING PTY LTD
ML	3232	100.00%	LION MINING PTY LTD
ML	3234	100.00%	LION MINING PTY LTD
ML	80024	100.00%	LION MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
AUBURN SUBPROVINCE	Camboon Volcanics / LATE CARBONIFEROUS to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE	EARLY PERMIAN

Comments

The Golden Plateau Lode was discovered in the early 1930s and production began soon after.

Gold mineralisation is associated with quartz veining and zones of silicification and mainly occurs as a gold-silver alloy. Sulphides form approximately 1% of the ore, with pyrite, sphalerite, chalcopyrite and galena the main sulphdes present.

Resources for the Golden Plateau (Royal, Empire, Sovereign) are included with those for the Cracow (Klondyke) gold mine.

Web Page

www.evolutionmining.com.au

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486738 **GORDON**

ABANDONED MINE

Descriptive Location: SOUTHERN END OF NORTH STRADBROKE ISLAND

1:100 000 sheet Number and Name: 9542 BEENLEIGH

Grid Reference: Zone 56 541283 mE 6940493 mN Latitude -27.6590 Longitude 153.4186 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
RUTILE	SMALL	2 000 - 200 000 tonnes RUT
ILMENITE	SMALL	5 000 - 5 000 000 tonnes IM
ZIRCON	SMALL	500 - 500 000 tonnes ZIR
MONAZITE	SMALL	200 - 20 000 tonnes MZ

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1973	to	1999	Mining ceased in early 1999 with the dredge relocated to the Yaraman resource in the islands north-east corner.

Mining Operations	Comments
DREDGING	Large dregdging operation with wet concentration and magnetic seperation occuring on the floating dredge which snaked around the mining lease.

Tenure Type/Number		SHARE	Company Name/Surname
ML	1121	100.00%	STRADBROKE RUTILE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT HEAVY MINERALS

Mineralisation Age

ORE	CENOZOIC	LARGE VOLUME LOW GRADE ORE

Comments

Production from the Gordon operation is included with that from Ibis.

Web Page

http://www.consrutile.com.au

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38185 **GORDONS**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 9.4KM NNW OF LOCKHART RIVER TOWNSHIP, 490KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7572 CAPE WEYMOUTH

Grid Reference: Zone 54 749522 mE 8593366 mN Latitude -12.7142 Longitude 143.2978 Date Recorded: 23/February/2016

Other Names for Deposit / Mine

Iron Range Gold Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
IRON	VERY SMALL	<5 000 tonnes FE
MAGNETITE	VERY SMALL	<50 000 tonnes MT

Production Details

Period: 1-Jan-1935 to 31-Dec-1952 11,503 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 217.5 kilograms 18.90 grams per tonne

Published Reserves/Resources

BR 6213 Published in 1995

INFERRED MINERAL RESOURCE 36,000 tonnes Ore @ 28.00 g/t GOLD **FOR** 1,008 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6213	1995	SWITZER, C.K.	A CASE HISTORY OF EXPLORATION ACTIVITIES IN THE IRON RANGE DISTRICT, CAPE YORK AUSTRALIA.	JAMES COOK UNIVERSITY OF NORTH QUEENSLAND, UNPUBLISHED PAPERS SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE DEGREE OF MASTERS OF SCIENCE.

Major Mining Related Events

Year Commenced	Year Completed	Comments
		Operating Mine Life: 1934 to 1942 Jack Gordon discovered the Iron Range reefs in 1934. A stamper battery was erected at Scrubby Creek at the end of 1935. An Empire Mill commenced crushing at the Gordon mine in 1936. Mining continued until 1942, when production ceased.
1951	to 1953	The Cape York Development Company acquired the deposit in 1951. After some development work and minor production, the company's funds became exhausted and operations ceased in 1953.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
IRON RANGE PROVINCE	Sefton Metamorphics / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE DEVONIAN

Comments

Gordon's Reef comprises free gold in pyritic quartz veins and, along with Johnson's Lode, forms part of the Iron Range Gold Mine. The highest grades and largest production came from Gordon's.

Transverse north-trending faulting controls the localisation of the main oreshoot, which was reported to be very irregular in size and grade. A quartz reef on the northern side of the adit assayed 109.3ppm Au.

Crushed schist and quartz on the southern side of the adit assayed 17.3ppm Au. The Iron Range mine is now within the Iron Range Resources Reserve, which is within the Iron Range National Park.

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36229 **GOVERNOR NORMAN**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 2.0KM E OF IRVINEBANK, 75KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 311286 mE 8072198 mN Latitude -17.4281 Longitude 145.2232 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Kelly Norman

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Period: 1-Jan-1903 to 31-Dec-1986 150,000 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 1,800.0 tonnes

Published Reserves/Resources

BR 6053 Published in 1999

INFERRED MINERAL RESOURCE 37,500 tonnes Ore @ 0.70 % CASSITERITE **FOR** 263 Tonnes CASSITERITE

Comments/Cut Off Factor: Probably inaccurate resource figure.

Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	Very large opencuts in hillside. ~200m diameter and >200m deep.
SHAFTS	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14741	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Mineralisation occurs as small blocks, lenses and pipes in a hydrothermal alteration zone that has a strike length of 400m, width of 40m, and trends north-north-west. It is related to a major fault structure.

Web Page

www.nqm.com.au

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45541 **GOWRIE CREEK**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 70 KM SW OF GREENVALE, 135KM W OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7959 CLARKE RIVER

Grid Reference: Zone 55 338058 mE 7863851 mN Latitude -19.3126 Longitude 145.4586 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Gowrie Creek No 1
Gowrie Creek No 2
Adventure 1
Adventure 2

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Period: 1-Jan-1973 to 31-Dec-1979 53,393 cubic metres ALLUVIUM

CASSITERITE 57.5 tonnes

Period: 1-Jan-1985 to 31-Dec-1986

CASSITERITE 47.0 tonnes

Published Reserves/Resources

BR 6053 Published in 1999 **GOWRIE CREEK**

INDICATED MINERAL RESOURCE 383,000 cubic metres Ore @ 520.00 g/m*3 CASSITERITE **FOR** 199 Tonnes CASSITERITE

Ore tonnage is in bank cubic metres and grade is in g/bank cubic metres.

BR 6053 Published in 1999 **GOWRIE CREEK**

INFERRED MINERAL RESOURCE 306,000 cubic metres Ore @ 515.00 g/m*3 CASSITERITE **FOR** 158 Tonnes CASSITERITE

Ore tonnage is in bank cubic metres and grade is in g/bank cubic metres.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1905	to	1905	Discovery
1950	to	1955	Small scale production in the 1950's by W. Cox produced ~25kg of cassiterite per week.

Mining Operations	Comments
OPEN CUT MINING	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE TERTIARY to QUATERNARY

Comments

Two distinct types of stanniferous alluvium occur in the area.
The first is Tertiary sediments consisting of weathered granite, composite quartz-tourmaline and 'billy' boulders in a matrix of gravel, sand, clay and minor fine-grained cassiterite and ilmenite.
The second consists of Quaternary alluvium forming broad flats below the Tertiary sediments and made up of fine-grained clayey silt and sand with intermittent bands of coarser sand and gravel and minor cassiterite.
The Quaternary alluvium is much lower grade than the Tertiary alluvium.

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572506 **GRAFTON RANGE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 23KM NE OF ROMA

1:100 000 sheet Number and Name: 8645 ORALLO

Grid Reference: Zone 55 690358 mE 7079218 mN Latitude -26.3944 Longitude 148.9083 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
SODIUM BICARBONATE		
SODA ASH		

Production Details

Published Reserves/Resources

BR 8494 Published in 2006

GRAFTON RANGE SODA BRINES

INFERRED MINERAL RESOURCE

14.00 mg/l SODIUM BICARBONATE **FOR** 2,200,000 Tonnes SODIUM BICARBONATE

Comments/Cut Off Factor: High salinity brines.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8494	2006	QUEENSLAND DEPARTMENT OF MINES AND ENERGY	QUEENSLAND MINING AND PETROLEUM 2006. EXPLORATION, OPERATIONS AND DEVELOPMENTS.	QUEENSLAND DEPARTMENT OF MINES AND ENERGY, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
ML 50207	100.00%	KOKSTAD MINING PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SURAT BASIN	Precipice Sandstone / EARLY JURASSIC to EARLY JURASSIC

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

Mineralisation Age

ORE

Comments

Web Page

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481346 **GRAND CENTRAL**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 109 KM NORTH NORTH EAST OF RICHMOND, 345KM WEST OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7558 MOUNT NORMAN

Grid Reference: Zone 54 750660 mE 7810036 mN Latitude -19.7895 Longitude 143.3925 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

West End

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
COPPER	VERY SMALL	<500 tonnes CU
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Published Reserves/Resources

BR 10531 Published in 2016 **GRAND CENTRAL**

INDICATED MINERAL RESOURCE 2,157,000 tonnes Ore @ 1.18 g/t GOLD **FOR** 2,545 Kilograms GOLD

Comments/Cut Off Factor: 0.4g/t Au cut-off

BR 10531 Published in 2016 **GRAND CENTRAL**

INFERRED MINERAL RESOURCE 607,000 tonnes Ore @ 1.02 g/t GOLD **FOR** 619 Kilograms GOLD

Comments/Cut Off Factor: 0.4g/t Au cutoff.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10531	2016	STRATEGIC MINERALS CORPORATION NL	ANNUAL REPORT 31 DECEMBER 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 31 MARCH 2016. STRATEGIC MINERALS CORPORATION NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9599	100.00%	STRATEGIC MINERALS CORPORATION N.L.
ML	90122	100.00%	STRATEGIC MINERALS CORPORATION N.L.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Einasleigh Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
ETHERIDGE PROVINCE	

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

The Grand Central prospect was explored by Oxiana Exploration Pty Ltd under a joint venture with tenement holder Strategic Minerals Corporation NL until Oxiana withdrew in October 2007.

Web Page

http://www.stratmin.com.au

Queensland Minerals

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482336 **GRANITE CASTLE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 88 KM NORTH-WEST OF PENTLAND, 225KM SW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7857 WHITE MOUNTAINS

Grid Reference: Zone 55 259140 mE 7776927 mN Latitude -20.0896 Longitude 144.6966 Date Recorded: 12/February/2016

Other Names for Deposit / Mine

Mount Emu Diggings
Mount Emu
Mount Emu Gold/Silver Prospect
Mount Emu Gold Prospect

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG
LEAD	SMALL	1000 - 100 000 tonnes PB
ZINC	SMALL	200 - 200 000 tonnes ZN

Production Details

Period: 1-Jan-1910 to 31-Dec-1942 896 tonnes HARD ROCK ORE (OR REEF)

GOLD	FINE	26.4 kilograms
SILVER		188.7 kilograms
COPPER	METAL	0.6 tonnes

Published Reserves/Resources

BR 10451 Published in 2016 **GRANITE CASTLE**

INDICATED MINERAL RESOURCE 250,000 tonnes Ore @

71.00 g/t SILVER **FOR** 17,750 Kilograms SILVER

3.60 g/t GOLD **FOR** 900 Kilograms GOLD

Comments/Cut Off Factor: 1 g/t Au cutoff grade

BR 10451 Published in 2016 **GRANITE CASTLE**

INFERRED MINERAL RESOURCE 403,000 tonnes Ore @

56.00 g/t SILVER **FOR** 22,568 Kilograms SILVER

2.50 g/t GOLD **FOR** 1,007 Kilograms GOLD

Comments/Cut Off Factor: 1 g/t Au cutoff grade

BR 10451 Published in 2016 **GRANITE CASTLE**

MEASURED MINERAL RESOURCE 111,000 tonnes Ore @

58.00 g/t SILVER **FOR** 6,438 Kilograms SILVER

4.30 g/t GOLD **FOR** 477 Kilograms GOLD

Comments/Cut Off Factor: 1 g/t Au cutoff grade

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10451	2016	MANTLE MINING CORPORATION LIMITED	QUARTERLY ACTIVITIES REPORT DECEMBER 2015	REPORT TO THE ASX 28-JANUARY-2016

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14179	100.00%	MANTLE MINING CORPORATION LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Upland Granodiorite / EARLY DEVONIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	POLYMETALLIC AG-PB-ZN VEINS (FELSIC INTRUSION RELATED)

Mineralisation Age

ORE	SILURIAN to EARLY DEVONIAN

Comments

Mantle Mining Corporation Ltd has acquired the Granite Castle project from Zulu Gold Mining Pty Ltd.

Mineralisation occurs within a quartz vein that is structurally controlled and shows infill textures. Reactivation of the host structure has caused brecciation.

A zone of sericitic alteration up to 4m either side of the vein contains disseminated pyrite and minor galena, sphalerite and arsenopyrite with associated low gold grades.

Sericitic alteration is overprinted by argillic alteration close to the quartz reef. Silicification is recorded locally. Brecciated granitic fragments locally host sulphides.

Web Page

www.mantlemining.com

Queensland Minerals

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44375 **GRANITE CREEK**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 7 KM EAST OF ARCHER RIVER ROADHOUSE, 450KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7471 WENLOCK

Grid Reference: Zone 54 713321 mE 8516566 mN Latitude -13.4109 Longitude 142.9701 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Tin Creek
Archer River Tinfield
Wolverton Prospect
Archer River Tin
Pannikin

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
GOLD	VERY SMALL	<0.5 tonnes AU
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Period:	1-Jan-1907	to	31-Dec-1931	
CASSITERITE				118.0 tonnes
Period:	1-Jan-1938	to	31-Dec-1940	
CASSITERITE				1.5 tonnes
Period:	1-Jan-1975	to	31-Dec-1980	
CASSITERITE				214.0 tonnes
Period:	1-Jul-2013	to	30-Jun-2014	
CASSITERITE				8.0 tonnes

Published Reserves/Resources

BR 3095 Published in 1991

INFERRED MINERAL RESOURCE 4 millions of cubic metres Ore @ 1.13 kg/m*3 CASSITERITE **FOR** 4,400 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 3095	1991	WHITE, D.	THE MINERAL WEALTH AND POTENTIAL OF CAPE YORK PENINSULA.	THE MINING REVIEW, 15(5), 2-10.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1887			Discovery (Bush, Mayers & Wilson). Area abandoned because of low tin price.
1907	to	1931	Small settlement erected and alluvial deposits worked.
1938	to	1940	Minor production.
1974	to	1980	Mining by Cook Brothers.

Mining Operations	Comments
GULLY RAKING / SLUICING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	20633	100.00%	PATERSON MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Cassiterite comprises black, ruby and amber varieties and minor wolframite and gold have also been recorded. Lumps of quartz greisen with visible cassiterite occur in the alluvium and on the surface.

The cassiterite is probably derived from the Permian Wolverton Adamellite, exposed in the headwaters of Granite Creek, or from veins associated with the granite.

Wolverton Tin calculated an inferred resource (including the Wet Creek drainage system) of 5.2Mm3 of Quaternary alluvium. Tertiary sediments contain an inferred 35Mm3 but the grades are not economic.

White (1991) reported an overall inferred resource of 4.1Mm3 at 1.13kg per cubic metre. Liberty Mining International Pty Ltd, a subsidiary of Great Australian Resources, holds EPM 15157 over the deposits but no exploration results have been reported.

Web Page

www.libertymining.com

Queensland Minerals

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478789 **GRAY CREEK SOUTH**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 26 KM SOUTH OF GREENVALE, 190KM WNW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7859 BURGES

Grid Reference: Zone 55 280515 mE 7875171 mN Latitude -19.2050 Longitude 144.9124 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
CHROMITE	SMALL	100 - 10 000 tonnes CHR

Production Details

Published Reserves/Resources

Company Report 17688 Published in 1987

INDICATED MINERAL RESOURCE

5,000 Tonnes CHROMITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GRAVEYARD CREEK SUBPROVINCE	Gray Creek Complex / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	MAFIC VOLCANIC RELATED DEPOSIT
DETAILED OREBODY MODEL	PODIFORM CHROMITE (ALPINE TYPE)

Mineralisation Age

ORE	MESOPROTEROZOIC to NEOPROTEROZOIC

Comments

The Gray Creek South deposit comprises numerous small pods of chromite. Most of the pods are on the southern end of a north-trending serpentinite ridge that is truncated by a northeast-trending fault.
Some of the chromite has been sheared and replaced by hematite.

Web Page

Queensland Minerals

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38854 **GREAT BRITAIN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 3.8KM NW OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 419459 mE 7781436 mN Latitude -20.0623 Longitude 146.2298 Date Recorded: 12/February/2016

Other Names for Deposit / Mine

New Great Britain

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1875 to 31-Dec-1910 3,259 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 90.4 kilograms

Published Reserves/Resources

BR 10451 Published in 2016 **GREAT BRITAIN**

INFERRED MINERAL RESOURCE 1,535,000 tonnes Ore @ 2.20 g/t GOLD **FOR** 3,388 Kilograms GOLD

Comments/Cut Off Factor: 1g/t Au cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10451	2016	MANTLE MINING CORPORATION LIMITED	QUARTERLY ACTIVITIES REPORT DECEMBER 2015	REPORT TO THE ASX 28-JANUARY-2016

Major Mining Related Events

Year Commenced		Year Completed	Comments
1875	to	1910	Historical mining.
1997	to	1997	Discovery of major resource.
2004			Optimisation study in August 2004 indicated a mineable reserve of 70,000 tonnes at 3.6 grams per tonne gold for 7500oz.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14388	100.00%	MANTLE MINING CORPORATION LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAPE RIVER PROVINCE	Charters Towers Metamorphics / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	
GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT	

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Both metasomatic replacement and Charters Towers style mesothermal veins have been suggested for the genesis of this mineralisation. Step out drilling undertaken during the quarter ending September 2008 confirmed wide intervals of anomalous gold within the south-western sector. A reinterpretation of the mineralisation model underlying the JORC resource is proceeding (BR 8897). Mantle Mining Corporation holds tenures on Great Britain.

Web Page

http://www.mantlemining.com

Queensland Minerals

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39827 **GREAT EASTERN**

ABANDONED MINE

Descriptive Location: 2.9 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468172 mE 7100980 mN Latitude -26.2103 Longitude 152.6814 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Gympie Great Eastern

Australasian

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1882 to 31-Dec-1915 51,300 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 2,966.7 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 50114	100.00%	GYMPIE ELDORADO MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Prior to 1893, GML 588 production was recorded under the 'Gympie Great Eastern' mine. The mine apparently operated until about 1915, but no production was recorded after 1908.

Reefs worked included the Great Eastern, Old Eastern, Orient, Diorite and Glanmire. The prospective shales were cut by the shaft between 73 and 160m depth.

The Great Eastern reef, located east of the shaft comprised 0.45 to 1.2m of solid quartz and was the richest found on the field to that time (Rands, 1889). The reef was particularly rich (averaging 280g/t Au) above a "break" that dipped 40 degrees ENE.

In 1893/94, GML 588 'Great Eastern' was owned by the Australasian Gold Mining Co. Ltd and production (at least for 1893) was recorded under the 'Australasian' mine.

Web Page

www.bukagold.com.au

Queensland Minerals

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39829 **GREAT EASTERN, NO.1 SOUTH**

ABANDONED MINE

Descriptive Location: 3.1 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468280 mE 7100894 mN Latitude -26.2111 Longitude 152.6825 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1887 to 31-Dec-1916 25,800 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,033.6 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Operations were suspended in 1916 due to problems caused by the intersection of old mine workings.

The earliest work in this mine was on the Orient and Eastern reefs. Subsequently, the No.1 South Eastern, South Glanmire, Monkland and Great Eastern reefs were brought into production.

In 1916, the mine was connected with the 'Glanmire and Monkland, South' at the 259m level. A 25mm wide auriferous reef was cut in the connecting drive.

Web Page

www.bukagold.com.au

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39833 **GREAT EASTERN, NO.2**

ABANDONED MINE

Descriptive Location: 3.4 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468281 mE 7100516 mN Latitude -26.2145 Longitude 152.6825 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Monkland, No.10

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period: 1-Jan-1891 to 31-Dec-1900 87,400 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,100.6 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

This mine was previously known as the 'Old No.10 Monkland shaft' Dunstan (1910, 1911). The upper or 'Monkland' shales were cut in the shaft at 90 to 128m depth.

The Inglewood reef, met in a crosscut at 183m, was 6.4m wide, with 1.4m of good quartz on the hanging wall, then 1.52m of 'sugar quartz'. The footwall was 'mullocky formation' with 0.6m of solid quartz. Crushings yielded 28g/t and 17g/t Au.

In 189,6 a cyaniding plant was set up to treat the tailings. At 218m depth, the Inglewood reef was 0.6 to 0.75m wide.

Web Page

www.bukagold.com.au

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39830 **GREAT EASTERN, NO.2 NORTH**

ABANDONED MINE

Descriptive Location: 2.4 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468203 mE 7101779 mN Latitude -26.2031 Longitude 152.6817 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1890 to 31-Dec-1916 20,250 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 653.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE

Comments

The No. 2 North Great Eastern Company ceased working the mine in 1904. Tributers worked it from then until 1916. This shaft was also used to work the Oriental and the Glanmire reefs in the 'No.3 North Oriental and Glanmire' lease (GML 1053).

The other two reefs were located west of the shaft at the 139m level. Annual Reports of the Department of Mines indicate that the Great Eastern, Diorite and Orient reefs were worked.

Rands (1891) described four reefs. One reef was located east of the shaft at the 174m level; it had black shale on its west wall and pebbly conglomerate on the east.

To the west of the shaft, a small reef yielded about 31kg Au bullion near where it was cut by a 'slide' (fault) striking 070 degrees and dipping 45 degrees north. The west wall of this reef was a diorite dyke.

Web Page

www.bukagold.com.au

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39414 **GREAT NORTHERN**

ABANDONED MINE

Descriptive Location: 0.7 KM E OF COEN.

1:100 000 sheet Number and Name: 7570 COEN

Grid Reference: Zone 54 738330 mE 8457116 mN Latitude -13.9462 Longitude 143.2059 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Great Northern Pc
Great Northern No.1 South
Abdalla
Victoria

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1892 to 31-Dec-1914 26,234 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 2,172.4 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1892	to	1914	Discovered in 1892. Mined as amalgamation of Great Northern PC, No.1 South, Abdalla and Victoria Claims from 1901. Abandoned in 1914.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SAVANNAH PROVINCE	Coen Metamorphic Group / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
PAMA IGNEOUS ASSOCIATION	Lankelly Granite / EARLY DEVONIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE SILURIAN to DEVONIAN

Comments

The Great Northern was the only signifcant gold producer on the Coen field. Three distinct reefs were mined but the bulk of the gold came from the main reef - a quartz breccia between Coen Metamorphics and Lankelly Adamellite.

Web Page

Queensland Minerals

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36289 **GREAT NORTHERN EAST**

ABANDONED MINE

Descriptive Location: 0.5 KM NE OF HERBERTON.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 329014 mE 8077449 mN Latitude -17.3821 Longitude 145.3905 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Herberton Hill

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

	11,600 tonnes KNOWN HISTORIC PRODUCTION
CASSITERITE	2,500.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1892	to	1892	
1901	to	1904	

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14741	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Saint Patricks Hill Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE	LATE CARBONIFEROUS

Comments

Web Page

Queensland Minerals

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36291 **GREAT NORTHERN GULLY**

ABANDONED MINE

Descriptive Location: 0.3 KM NE OF HERBERTON.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 328844 mE 8077409 mN Latitude -17.3825 Longitude 145.3889 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Herberton Hill

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
TUNGSTEN	VERY SMALL	<5 tonnes W
COPPER	VERY SMALL	<500 tonnes CU

Production Details

39,592 tonnes KNOWN HISTORIC PRODUCTION

CASSITERITE 10,974.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference	ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1883	to	1885	
1905	to	1951	
1955	to	1960	
1964	to	1964	
1967	to	1967	
1969	to	1969	
1977	to	1978	
1980	to	1980	

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14741	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Saint Patricks Hill Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Web Page

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

483644 **GREAT SOUTHERN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 19.3KM NW OF QUAMBY

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 412988 mE 7762116 mN Latitude -20.2365 Longitude 140.1670 Date Recorded: 8/February/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 10439 Published in 2015

GREAT SOUTHERN

INFERRED MINERAL RESOURCE 6,000,000 tonnes Ore @ 0.61 % COPPER **FOR** 36,600 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut off grade

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10439	2015	ALTONA MINING LIMITED	ANNUAL REPORT 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, JULY 2015. ALTONA MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90163	50.00%	ROSEBY COPPER PTY LTD
ML	90163	50.00%	ALTONA MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Mount Roseby Schist / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SEDIMENT-HOSTED CU (INCLUDES CU-SHALE)

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

This deposit forms part of Altona Mining Limited's Roseby Copper Project.
In general the oxide ore contains native copper (50 to 70%), copper in clays and micas (30 to 40%), and chalcocite (<10%), and is the result of weathering of primary stratabound sulphide deposits containing bornite and chalcopyrite.
A feasibility study for the Roseby Copper Project (which includes the Great Southern prospect) is ongoing.

Web Page

www.altonamining.com

Queensland Minerals

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36233 **GREAT SOUTHERN TIN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 2.5KM SOUTH OF IRVINEBANK, 75KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 309066 mE 8069964 mN Latitude -17.4481 Longitude 145.2022 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Period: 1-Jan-1885 to 31-Dec-1985 16,900 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 1,382.0 tonnes 8.20 percent

Published Reserves/Resources

BR 6053 Published in 1999 **GREAT SOUTHERN**

INFERRED MINERAL RESOURCE 20,000 tonnes Ore @ 1.30 % CASSITERITE **FOR** 260 Tonnes CASSITERITE

Comments/Cut Off Factor: Poorly defined resource.
Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
SHAFTS	Most shafts accessible, large open stope near machinery sheds.
ADITS	Accessible.

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	20364	75.00%	BYRNE	Graham William
ML	20364	25.00%	BYRNE	Jason
ML	20435	75.00%	BYRNE	Graham William
ML	20435	25.00%	BYRNE	Jason

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Four major oreshoots were worked.

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43466 **GREENMOUNT**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 42KM N OF MT TRACEY HOMESTEAD, 110KM ESE OF MOUNT ISA.

1:100 000 sheet Number and Name: 7055 MOUNT ANGELAY

Grid Reference: Zone 54 451129 mE 7674951 mN Latitude -21.0255 Longitude 140.5297 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
COBALT	MEDIUM	1 000 - 20 000 tonnes CO
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Published Reserves/Resources

BR 10576 Published in 2016

GREENMOUNT OXIDE

INDICATED MINERAL RESOURCE 7,700,000 tonnes Ore @

0.75 % COPPER **FOR** 57,750 Tonnes COPPER

0.06 % COBALT **FOR** 4,620 Tonnes COBALT

0.30 g/t GOLD **FOR** 2,310 Kilograms GOLD

BR 10576 Published in 2016

GREENMOUNT OXIDE

INFERRED MINERAL RESOURCE 3,800,000 tonnes Ore @

0.57 % COPPER **FOR** 21,660 Tonnes COPPER

0.04 % COBALT **FOR** 1,520 Tonnes COBALT

0.20 g/t GOLD **FOR** 760 Kilograms GOLD

BR 10576 Published in 2016

GREENMOUNT OXIDE

MEASURED MINERAL RESOURCE 1,200,000 tonnes Ore @

1.26 % COPPER **FOR** 15,120 Tonnes COPPER

0.07 % COBALT **FOR** 840 Tonnes COBALT

0.46 g/t GOLD **FOR** 552 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10576	2016	QUEENSLAND MINING CORPORATION LIMITED	ANNUAL REPORT 2016	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 21 OCTOBER 2016. QUEENSLAND MINING CORPORATION LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	Original shaft, collapsed. Reported to be 10m deep.

Tenure Type/Number		SHARE	Company Name/Surname
MDL	205	100.00%	WHITE RANGE MINES PTY LTD
ML	90134	100.00%	WHITE RANGE MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Answer Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARIMO-STAVELEY DOMAIN	Answer Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

The Greenmount deposit occurs beneath 1-3m of cover predominantly in altered black shale within the basal units of the Marimo Slate.
Queensland Mining Corporation Ltd purchased the prospect from the administrators of Matrix Metals in 2010.
In December 2016 Queensland Mining Corporation announced that they have entered into an Option and Joint Venture Agreement with Teck Australia Pty Limited on the White Range copper project, giving Teck an option to earn 70% interest by 31 March 2017.

Web Page

www.queenslandminingcorporation.com.au

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588059 **GREENSTONE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: ~2.4KM NW OF GUNPOWDER

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 329020 mE 7821540 mN Latitude -19.6941 Longitude 139.3688 Date Recorded: 22/January/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU

Production Details

Published Reserves/Resources

BR 10336 Published in 2014 **GREENSTONE**

INDICATED MINERAL RESOURCE 3,500,000 tonnes Ore @ 1.16 % COPPER **FOR** 40,368 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cut-off

BR 10336 Published in 2014 **GREENSTONE**

INFERRED MINERAL RESOURCE 420,000 tonnes Ore @ 1.38 % COPPER **FOR** 5,796 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cut-off

BR 10336 Published in 2014 **GREENSTONE**

MEASURED MINERAL RESOURCE 3,100,000 tonnes Ore @ 1.18 % COPPER **FOR** 36,580 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10336	2014	ADITYA BIRLA MINERALS LIMITED	ASX RELEASE MINERAL RESOURCE AT 31ST MARCH 2014	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 30 APRIL 2014. ADITYA BIRLA MINERALS LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	16960	100.00%	BIRLA MT GORDON PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Whitworth Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

In 2011Aditya Birla Minerals Ltd defined the dimensions of a west dipping zone of copper mineralisation along the significant Mammoth Extended Fault with several drill holes. SD498 intersected two mineralised lenses appr 80m long and down dip to
(2011 cont.) previously reported Cu intersection of 16m @ 4.73% in SD495. SD497 confirmed the continuation of the mineralised structure including 49m @ 0.18% and 14m @ 0.27% Cu (BR9942).
In September 2015 Lighthouse Minerals Holdings Pty Ltd purchased the Mount Gordon project which the company has renamed the Capricorn Copper Project.

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478963 **GREENVALE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 37.6 KM SSE OF CONJUBOY HOMESTEAD, 5KM W OF GREENVALE TOWNSHIP, 190KM WNW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7860 CONJUBOY

Grid Reference: Zone 55 281715 mE 7900970 mN Latitude -18.9721 Longitude 144.9267 Date Recorded: 17/February/2017

Other Names for Deposit / Mine

Greenvale Nickel
Three Rivers Prospect
Sconi Project

Commodities	Size	Size Definition
NICKEL	LARGE	>500 000 tonnes NI
COBALT	LARGE	>20 000 tonnes CO
CHROMITE	SMALL	100 - 10 000 tonnes CHR
SCANDIUM	SMALL	1 - 10 tonnes SC

Production Details

Period: 1-Jan-1974 to 31-Dec-1992 39,000,000 tonnes HARD ROCK ORE (OR REEF)

NICKEL	428,762.0 tonnes	1.50 percent
COBALT	35,776.0 tonnes	0.10 percent

Period: 1-Jul-1994 to 30-Jun-1995

NICKEL	7,668.0 tonnes
COBALT	680.0 tonnes

Published Reserves/Resources

BR 10566 Published in 2016

GREENVALE NI-CO RESOURCE

INDICATED MINERAL RESOURCE 10,500,000 tonnes Ore @

0.70 % NICKEL **FOR** 73,500 Tonnes NICKEL
0.05 % COBALT **FOR** 4,750 Tonnes COBALT
0.00 % SCANDIUM **FOR** 378 Tonnes SCANDIUM

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)
Iron and Magnesium are no longer reported in recent estimates.

BR 10566 Published in 2016

GREENVALE NI-CO RESOURCE

INFERRED MINERAL RESOURCE 11,500,000 tonnes Ore @

0.42 % NICKEL **FOR** 48,300 Tonnes NICKEL
0.03 % COBALT **FOR** 3,450 Tonnes COBALT
0.00 % SCANDIUM **FOR** 506 Tonnes SCANDIUM

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)
Iron and Magnesium are no longer reported in recent estimates.

BR 10566 Published in 2016

GREENVALE NI-CO RESOURCE

MEASURED MINERAL RESOURCE 5,400,000 tonnes Ore @

0.77 % NICKEL **FOR** 41,580 Tonnes NICKEL
0.06 % COBALT **FOR** 2,880 Tonnes COBALT
0.00 % SCANDIUM **FOR** 210 Tonnes SCANDIUM

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)
Iron and Magnesium are no longer reported in recent estimates.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10566	2016	METALLICA MINERALS LIMITED	ANNUAL REPORT 2016	MINING 2012; TAKING STOCK, P24; 28 OCTOBER 2016. METALLICA MINERALS LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1957	to	1957	Discovered (BMR).
1971	to	1973	Mine development began.
1974	to	1992	Production
1992	to	1996	Mine site rehabilitated.

Mining Operations	Comments
OPEN CUT MINING	

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Tenure Type/Number		SHARE	Company Name/Surname
EPM	11223	100.00%	GREENVALE OPERATIONS PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GREENVALE PROVINCE	Sandalwood Serpentinite / NEOPROTEROZOIC to EARLY CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC NICKEL

Mineralisation Age

ORE	CENOZOIC

Comments

The Greenvale deposit consists of terraced remnants of Tertiary laterite profiles developed on strongly serpentinised harzburgites intruded into Proterozoic schists of the Etheridge Province.
Typically the ore averages 7.5m in thickness and is overlain by 5 to 10m of overburden.
Straits Resources Limited and Resource Mining Corporation Ltd announced in October 2008 that they would form a joint venture over the Three Rivers Project with a ratio of 70/30.
A nickel laterite resource drilling program was completed in July 2008 by Straits and resource modeling over the Greenvale Mine has commenced. The best intersection from the drill program was 17m @ 1.81% Ni and 0.07% Co from 30m.
Nov 2010 Metallica reported phase 2 drilling results: 175 additional holes (4000m) completed in Greenvale open cut area: "Power line", "Powder Magazine", "Moonscape" & "South Edge". Assay results processed for new resource estimate for early 2011 (BR9600)
Jul 2010 Metallica reported phase 1 drilling results: 264 holes (8452m) completed in Greenvale open cut area: "Power line", "Powder Magazine","Area15", "the Edge", "Moonscape" & "South Edge". (BR9598)
Sept 2010 Metallica announces initial NorNiCo scoping study indicates robust north Qld Ni-Co & Scandium project. Positive results on technical & economic viability of NorNiCo Stage 1 Study incorporates 180000tpa heated agitated AAL plant for processing
Sept 2010 (cont) high grade Ni-Co ores (Greenvale mine site). Mining operations are simple free dig shallow open pit (max depth 50m), supplemented with Ni-Co-Sc ores from Lucknow. Suitability for tri-metal mining and processing of Ni, Co, Sc ores (BR9599)
Metallica reported in 2011 that pit optimisation studies commmenced allowing for a new larger scale ~500 000tpa HPAL operation sourcing base load Ni-Co laterite feed from Greenvale mine and trucked Ni-Co-Sc ore from Lucknow and Kokomo deposits (BR 9704).
In March 2011 Metallica re-evaluated the resource at Greenvale based on 779 reverse circulation holes. A measured, indicated and inferred resource of 8 Mt at 1.04% Ni, 0.08% Co and 33 g/t Sc (using a 0.70% NiEq cut-off grade) was reported (BR9704).
In April 2010, Metallica Minerals Limited finalised the purchase of the Greenvale Mine tenements from Straits Resources Limited. Revised resource figures were released in September 2010.
After re-tabulation of resources this deposit was grouped in the SCONI project - southern deposits, which was part if the 2012 scoping study by Metallica Minerals Limited. The scoping study was based on a 750000tpa operation, including
(2012 cont.) the combined resources from Greenvale, Luchnow and Kokomo deposits over a 20 year mine life. Metallica is persuing discussions with potential end users in the Solid Oxide Fuel Cell (SOFC) and aluminium alloy market sectors.
Australian Mines entered a joint venture agreement with Metallica Minerals (ASX: MLM) on the Sconi Project in 2016. Australian Mines can earn an 75% interest in the Sconi Project.
A Pre-Feasibility Study (PFS) completed in 2016 on the scandium ore body at Sconi confirmed it to be an economic and technically viable mining project capable of producing 50 tonnes of high purity scandium oxide (Sc203) per year over a 20-year mine life.

Web Page

www.metallicaminerals.com.au; www:australianmines.com.au

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42115 **GRIFFITHS HILL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: SE OF MUNGANA.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 224194 mE 8105189 mN Latitude -17.1212 Longitude 144.4080 Date Recorded: 12/January/2016

Other Names for Deposit / Mine

Griffiths

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
ZINC	SMALL	200 - 200 000 tonnes ZN

Production Details

Period: 1-Jan-1887 to 31-Dec-1919 3,048 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 213.0 tonnes

Published Reserves/Resources

BR 10071 Published in 2012

GRIFFITHS HILL - COPPER

INFERRED MINERAL RESOURCE 1,011,000 tonnes Ore @

3.10 % COPPER	**FOR**	31,341 Tonnes COPPER
0.40 % ZINC	**FOR**	4,044 Tonnes ZINC
0.61 g/t SILVER	**FOR**	616 Kilograms SILVER
0.60 g/t GOLD	**FOR**	606 Kilograms GOLD

BR 10071 Published in 2012

GRIFFITHS HILL - POLYMETALLIC

INFERRED MINERAL RESOURCE 58,000 tonnes Ore @

6.90 % ZINC	**FOR**	4,002 Tonnes ZINC
19.00 g/t SILVER	**FOR**	1,102 Kilograms SILVER
0.30 % COPPER	**FOR**	174 Tonnes COPPER

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10071	2012	KAGARA MINING	OPPORTUNITY TO ACQUIRE KAGARA LIMITED'S NORTH QUEENSLAND ASSETS	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 14 SEPTEMBER 2012 KAGARA MINING, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1887	to	1903	The first of two periods of mining.
1917	to	1919	Final period of historic mining activity.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	4977	100.00%	MUNGANA GOLDMINES LTD
ML	5176	100.00%	MUNGANA GOLDMINES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL REPLACEMENT DEPOSIT

DETAILED OREBODY MODEL COPPER SKARN

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

The Griffiths Hill resource is located at the contact between limestone and sandstone units at depth beneath the historic Red Dome pit.

Web Page

www.kagara.com.au

493305 GUMIGIL'S MARLBOROUGH CHRYSOPRASE

CARE AND MAINTENANCE

Descriptive Location: 15KM SOUTH OF MARLBOROUGH, 165KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8852 MARLBOROUGH

Grid Reference: Zone 55 791830 mE 7457576 mN Latitude -22.9645 Longitude 149.8461 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Gumigil

Marlborough Chrysoprase

Commodities	Size	Size Definition
CHRYSOPRASE	LARGE	>100 tonnes CHRY

Production Details

Period: 1-Jul-1996 to 30-Jun-2008

CHRYSOPRASE	5,376,316.0 australian dollars

Published Reserves/Resources

BR 5920 Published in 1998

INFERRED MINERAL RESOURCE

1,660 Tonnes CHRYSOPRASE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5920	1998	LOUTHEAN PUBLISHING PTY LTD AND MINMET AUSTRALIA PTY LTD	THE AUSTRALIAN MINES HANDBOOK 1998/99 EDITION.	

Major Mining Related Events

Year Commenced		Year Completed	Comments
1963	to	1963	Discovery.
1963	to	1978	Mining by Capricornia Minerals Development Pty Ltd.

Operating Mine Life: 1978 to 2020 Mining by Gumugil Pty Ltd. Mine life is from 2000.

Mining Operations

OPEN CUT MINING

SURFACE MINING METHODS

Comments

The mining method is mainly to rip the laterite with a bulldozer. A person walks behind the bulldozer marks exposures of chrysoprase and these are picked up by hand or dug out with a backhoe.

Tenure Type/Number		SHARE	Company Name/Surname
ML	5791	100.00%	GUMIGIL PTY LTD
ML	5792	100.00%	GUMIGIL PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARLBOROUGH PROVINCE	Princhester Serpentinite / NEOPROTEROZOIC to EARLY PALAEOZOIC

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC NICKEL

Mineralisation Age

ORE	CENOZOIC

Comments

Nickel-cobalt and chrysoprase mineralisation occur within shears at the edges of ultramafic thrust blocks. Chrysoprase occurs largely in a saprolitic zone ranging up to 70m in thickness, overlain by a ferruginous silicified cap that is 14 to 30m thick.
In a transition zone between the saprolite and the underlying serpentinite, magnesia-rich material contains nodules of chrysoprase, some of which are very good quality.
Flatly and steeply dipping veins of chrysoprase, colourless to white quartz, chalcedony and common opal form a box-like network in the saprolite zone.
Veins of gem quality chrysoprase range up to 80mm in width but form a small proportion of the total quantity of vein material.
Manganese oxides and magnesite are commonly associated with veins of good quality chrysoprase.
The friable nature of the wall rock allows the chrysoprase to be broken out free of the waste rock.
No production is recorded between 2008 and 2012

Web Page

www.gem.org.au/chryso.htm

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507632 **GURULMUNDI NORTH**

CARE AND MAINTENANCE

Descriptive Location: 1.4 KM SW OF GURULMUNDI, 29 KM NW OF MILES.

1:100 000 sheet Number and Name: 8945 GULUGUBA

Grid Reference: Zone 56 205873 mE 7073513 mN Latitude -26.4282 Longitude 150.0510 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BENTONITE	SMALL	2 000 - 200 000 tonnes BENT

Production Details

Period: 1-Jul-2005 to 30-Jun-2008

BENTONITE	93,812.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5898	100.00%	SIBELCO AUSTRALIA LIMITED
ML	5902	100.00%	SIBELCO AUSTRALIA LIMITED
ML	5905	100.00%	SIBELCO AUSTRALIA LIMITED
ML	5906	100.00%	SIBELCO AUSTRALIA LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
	Bungil Formation, Gubberamunda Sandstone, Hooray Sandstone, Kumbarilla beds, Longsight Sandstone, Mooga Sandstone, Orallo Formation, Southlands Formation / LATE JURASSIC to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	JURASSIC to CRETACEOUS

Comments

Unimin Australia Ltd produces sodium bentonite for local and export industrial and feedstock markets.

Web Page

www.unimin.com.au

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40172 **GYMPIE**

ABANDONED MINE

Descriptive Location: 3.8 KM SE OF GYMPIE P.O., 130KM NNW OF BRISBANE.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468788 mE 7100402 mN Latitude -26.2155 Longitude 152.6876 Date Recorded: 7/October/2016

Other Names for Deposit / Mine

Scottish Gympie
Gympie Gold Mines, No.1 South
G13 Zone
Peel-Off Zone
Gympie Eldorado Mine
Bas Lewis
Monkland Gold Mine
Gympie Gold Mine
Great Eastern, No 2 South
West Of Scotland
Monkland
Lewis Decline

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1886	to	31-Dec-1942		2,101,500 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	30,114.8 kilograms	
Period:	1-Jul-1994	to	30-Jun-1995		56,549 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	323.0 kilograms	
Period:	1-Jul-1995	to	30-Jun-1996		118,300 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	547.4 kilograms	
Period:	1-Jul-1996	to	30-Jun-1997			
GOLD				BULLION	100.6 kilograms	7.67 grams per tonne
Period:	1-Jul-1997	to	30-Jun-1998		111,457 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	979.8 kilograms	
Period:	1-Jul-1998	to	30-Jun-1999		134,047 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	1,049.0 kilograms	8.50 grams per tonne
Period:	1-Jul-1999	to	30-Jun-2000			
GOLD				BULLION	1,015.3 kilograms	
Period:	1-Jul-2000	to	30-Jun-2001		151,097 tonnes HARD ROCK ORE (OR REEF)	
GOLD				SPECIMEN	102.4 kilograms	
GOLD				BULLION	1,300.9 kilograms	9.01 grams per tonne
Period:	1-Jul-2001	to	30-Jun-2002		194,490 tonnes HARD ROCK ORE (OR REEF)	
GOLD				SPECIMEN	42.2 kilograms	
GOLD				BULLION	1,565.9 kilograms	8.54 grams per tonne
Period:	1-Jul-2002	to	30-Jun-2003		233,295 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	1,698.1 kilograms	7.61 grams per tonne
GOLD				ROUGH GEMSTONE	24.1 kilograms	7.61 grams per tonne
Period:	1-Jul-2003	to	30-Jun-2004			
GOLD				BULLION	1,339.5 kilograms	
Period:	1-Jul-2004	to	30-Jun-2005			
GOLD				FINE	339.2 kilograms	
SILVER					72.4 kilograms	
Period:	1-Jul-2005	to	30-Jun-2006			
GOLD				FINE	505.5 kilograms	
SILVER					127.7 kilograms	
Period:	1-Jul-2006	to	30-Jun-2007		40,345 tonnes HARD ROCK ORE (OR REEF)	
GOLD				FINE	341.4 kilograms	
SILVER					112.1 kilograms	
Period:	1-Jul-2007	to	30-Jun-2008			
GOLD				FINE	121.8 kilograms	
SILVER					29.2 kilograms	
Period:	1-Jul-2008	to	30-Sep-2008		7,172 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	44.0 kilograms	

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Published Reserves/Resources

BR 8052 Published in 2006 **BROKEN STOCKS**
PROVED ORE RESERVE 1,000 tonnes Ore @
10.00 g/t GOLD **FOR** 10 Kilograms GOLD

BR 8052 Published in 2006 **INGLEWOOD STRUCTURE**
INDICATED MINERAL RESOURCE 58,000 tonnes Ore @
8.70 g/t GOLD **FOR** 504 Kilograms GOLD

Includes probable reserves of 24100t at 10.6g/t Au.

BR 8052 Published in 2006 **INGLEWOOD STRUCTURE**
INFERRED MINERAL RESOURCE 100,600 tonnes Ore @
8.10 g/t GOLD **FOR** 814 Kilograms GOLD

BR 8052 Published in 2006 **INGLEWOOD STRUCTURE**
MEASURED MINERAL RESOURCE 1,500 tonnes Ore @
11.60 g/t GOLD **FOR** 17 Kilograms GOLD

Includes proved reserves of 1000t at 12.4g/t Au.

BR 8052 Published in 2006 **PARTRIDGE**
INFERRED MINERAL RESOURCE 21,500 tonnes Ore @
21.70 g/t GOLD **FOR** 466 Kilograms GOLD

BR 8052 Published in 2006 **SLOTS**
INDICATED MINERAL RESOURCE 11,600 tonnes Ore @
9.90 g/t GOLD **FOR** 114 Kilograms GOLD

BR 8052 Published in 2006 **SLOTS**
INFERRED MINERAL RESOURCE 53,600 tonnes Ore @
11.80 g/t GOLD **FOR** 632 Kilograms GOLD

BR 8052 Published in 2006 **SLOTS**
MEASURED MINERAL RESOURCE 700 tonnes Ore @
16.20 g/t GOLD **FOR** 11 Kilograms GOLD

Includes probable reserves of 500t at 14.0g/t Au.

BR 8052 Published in 2006 **STOCKWORKS**
INDICATED MINERAL RESOURCE 3,500 tonnes Ore @
9.80 g/t GOLD **FOR** 34 Kilograms GOLD

BR 8052 Published in 2006 **STOCKWORKS**
INFERRED MINERAL RESOURCE 19,000 tonnes Ore @
5.10 g/t GOLD **FOR** 96 Kilograms GOLD

BR 8052 Published in 2006 **STOCKWORKS**
MEASURED MINERAL RESOURCE 9,700 tonnes Ore @
11.80 g/t GOLD **FOR** 114 Kilograms GOLD

Includes proved reserves of 9200t at 11.8g/t Au. Probable reserves are 3800t at 5.8g/t Au.

BR 8052 Published in 2006 **WILMOT**
INFERRED MINERAL RESOURCE 67,800 tonnes Ore @
7.40 g/t GOLD **FOR** 501 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8052	2006	BUKA GOLD LTD	BUKA GOLD LTD ANNUAL REPORT 2006	BUKA GOLD LTD

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1886	to	1918	Biggest producer on the Gympie field with 3 large shafts. 11 mining levels developed. Workings ceased in 1918 due to low ore grades
1921	to	1923	Small amount of mining from No1 shaft along the top 'break'.
1925	to	1927	Cyanidation of the tailings.
1935	to	1942	Gold extracted from tailings by cyanidation.
2000	to	2000	Work commenced on Lewis decline in May 2000, officially opened in October 2000. This decline will access additional resources along strike and up dip from currrent workings.
2001	to	2001	Development started on Stockwork 6A orebody, underpinning the Monkland Mine at an annual average 10g/t for 3 years or more. This is one of the country's highest-grade gold mines.
2002	to	2002	Lewis Decline was connected to the Monkland Mine in December 2002.
2004	to	2004	As a result of an operational and financial review completed by Receivers and Managers, Gympie Eldorado Mines Pty Ltd was sold to Buka Gold Ltd
2006	to	2008	Mining ceased in December 2008

Mining Operations	**Comments**
UNDERGROUND MINING METHODS	
SHAFTS	
DECLINED SHAFTS/DRIVES	Lewis Decline

Tenure Type/Number		**SHARE**	**Company Name/Surname**
ML	50114	100.00%	GYMPIE ELDORADO MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GYMPIE PROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN
GYMPIE PROVINCE	

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE	EARLY TRIASSIC to MIDDLE TRIASSIC

Comments

The majority of work is within the area of the old Scottish Gympie mine which was historically the biggest producer within the Gympie Goldfield but also includes the West of Scotland.
Gold production comes from two styles of quartz veins: "Gympie vein quartz" lodes and "Inglewood" lodes. The Gympie veins were signifcant historic producers and commonly contain spectacularly high grades.
The Inglewood lodes are complex quartz veins emplaced at or near the eastern margin of a steeply-dipping series of fractionated microdiorites that were emplaced along the Inglewood Fault.
The gold within the Inglewood lodes is characterised by free gold that tends to be finer grained than in most of the Gympie quartz vein lodes. Minor amounts of copper and arsenic are associated with the gold.
The Monkland operation was famous for its spectacular specimen gold which, where possible, was selectively removed and sold as specimens and in jewellery.
In April 2007, Buka Gold announced that it would wind down mining and milling operations due to the mine being uneconomic. Most of the remaining gold resources are not economically recoverable.
Buka Gold continued underground exploration on the 18 Inglewood Block and maintained mine serviceability. Minor gold was still being produced from ore mined during work to open areas for exploratory drilling and from minor pillar recovery.
Mining ceased in the December 2008 quarter. Site clean up and rehabilitation are continuing. April 2011. Buka gold changed name to FE Limited and divest Gympie Eldorado Operations to BRI Microfine Pty Ltd.

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45590 GYMPIE GOLDFIELD ALLUVIAL GROUP

ABANDONED MINE

Descriptive Location: 0.4 KM WSW OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 465965 mE 7103065 mN Latitude -26.1914 Longitude 152.6594 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
PLATINUM	VERY SMALL	<0.5 tonnes PT

Production Details

Period: 1-Jan-1867 to 31-Dec-1918

GOLD	BULLION	2,840.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
TRENCHES	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER GOLD

Mineralisation Age

ORE	CENOZOIC

Comments

Gold was first found at Gympie by James Nash at Nash's Gully in 1867, initiating the Gympie gold rush. In the first 12 months, some 2600kg of alluvial gold was won, including the 30kg Curtis nugget (Queensland Department of Mines,1953).
Available production data, however, are considered to substantially underestimate the total alluvial production as records, particularly for the first few years when most alluvial production occurred, are incomplete.
Lees (1899) estimated that ~9128kg Au bullion came from the field in 1867-1872. Denmead (1933) believed that this was probably nearly all alluvial gold. The richest workings were on Nash's, Sailor's, White's, Walker's and Nuggety Gullies & on Deep Creek.
Several gullies and some alluvial flats were also worked in the Two Mile area (Rands, 1889). Most alluvial deposits (except the Mary River and Gympie Creek alluvium) were worked out by the end of 1868. Minor production was recorded between then and 1918.
High level surface workings located at Surface Hill and farrther north near Jane Street, some distance from significant reef outcrops (Dunstan, 1911) suggest the occurrence of older alluvial deposits unrelated to the present drainage system.
Platinum was reported from Brickfield Gully, near the boundary between the Lady Mary and Great Northern fault blocks (Dunstan, 1913a).

Web Page

www.bukagold.com.au

Queensland Minerals

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481800 **HADLEIGH CASTLE**

ABANDONED MINE

Descriptive Location: 28.9 KM W OF RAVENSWOOD, 36KM EAST OF CHARTERS TOWERS, 85KM SOUTH OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 459603 mE 7777136 mN Latitude -20.1024 Longitude 146.6136 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1874	to	31-Dec-1915		38,542 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	823.8 kilograms	21.37 grams per tonne
Period:	1-Jan-1988	to	31-Dec-1990		63,911 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	204.6 kilograms	3.20 grams per tonne
Period:	1-Jul-1992	to	30-Jun-1993			
GOLD				BULLION	814.0 kilograms	
Period:	1-Jul-1993	to	30-Jun-1995		1,432,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	2,377.1 kilograms	1.66 grams per tonne
Period:	1-Jul-1995	to	30-Jun-1998			
GOLD				BULLION	2,823.7 kilograms	
Period:	1-Jul-1998	to	30-Jun-2005		783,734 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	3,595.8 kilograms	4.59 grams per tonne

Published Reserves/Resources

BR 9343 Published in 2004 **HADLEIGH CASTLE**

INDICATED MINERAL RESOURCE 214,645 tonnes Ore @ 7.38 g/t GOLD **FOR** 1,584 Kilograms GOLD

Comments/Cut Off Factor: Cutoff Grade of 4g/t Au.
Includes probable 197,473t at 6.52g/t Au.

BR 9343 Published in 2004 **HADLEIGH CASTLE**

INFERRED MINERAL RESOURCE 220,055 tonnes Ore @ 5.83 g/t GOLD **FOR** 1,282 Kilograms GOLD

Comments/Cut Off Factor: Cutoff Grade of 4g/t Au.

BR 9343 Published in 2004 **HADLEIGH CASTLE**

MEASURED MINERAL RESOURCE 35,336 tonnes Ore @ 6.99 g/t GOLD **FOR** 246 Kilograms GOLD

Comments/Cut Off Factor: Cutoff Grade 4 g/t Au.
Includes proved 32509t at 6.18g/t Au.

BR 7702 Published in 2004 **HADLEIGH SOUTH**

MEASURED MINERAL RESOURCE 2,000 tonnes Ore @ 5.90 g/t GOLD **FOR** 11 Kilograms GOLD

Comments/Cut Off Factor: Cutoff Grade of 2g/t Au.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7702	2004	SMC GOLD LIMITED	SMC GOLD LIMITED ANNUAL REPORT 2004.	REPORT TO THE AUSTRALIAN STOCK EXCHANGE. SMC GOLD LIMITED, BRISBANE.
BR 9343	2004	SMC GOLD LIMITED	SMC GOLD LIMITED QUARTERLY REPORT ON OPERATIONS, JULY TO SEPTEMBER 2004.	REPORT TO THE AUSTRALIAN STOCK EXCHANGE. SMC GOLD LIMITED, BRISBANE.

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1874	to	1915	Main phase of historic mining activity.
1934	to	1934	Underlie shaft was reopened by Mt Coolon West NL but operations ceased after a few months.
1988	to	1990	North Queensland Resources opened a shallow pit on the main lode system.
1992	to	1995	Mine acquired by Ashton Gold (later Aurora) who extended the open cut and started underground mining in September 1993. Operations closed because of low gold grades.
1997	to	2005	SMC Resources Ltd (later SMC Gold Ltd) commenced underground development in June 1997. Mining ceased in April 2005.

Mining Operations	Comments
OPEN CUT MINING	Large open cut
UNDERGROUND MINING METHODS	Cut and fill stoping method.
SHAFTS	Obliterated by open cut mining and associated development.
DECLINED SHAFTS/DRIVES	Spiral decline from base of open cut.
INCLINED SHAFTS / DRIVES	Obliterated by open cut mining and associated development.

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Boatswain Granodiorite / LATE SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	LATE SILURIAN to EARLY DEVONIAN	206Pb/204Pb model age of 380Ma reported by Carr & others (1988). Hydromuscovite from alteration envelopes suggests gold mineralisation at 404Ma (BR 9007).

Comments

Two main styles of mineralisation (Main Lode and Hanging Wall Lode Systems) occur at Hadleigh Castle. The Main Lode System comprises a complex of sheared and tectonised siliceous sulphide rich veins occupying a set of generally south dipping structures.
Two main veins systems (01 and 02 Lodes) occur within the Main Lode System. The most northerly of these is the 01 Lode coincident with a major south dipping shear.
The 01 Lode consists of fine grained, intensely silicified sulphide vein material immediately overlying an intensely clay altered sheared and mylonitic breccia.
The 02 Lode is characterised by poddy and disrupted sheared quartz + sulphide lenses generally less than 0.5m in width.
The Hanging Wall Lode System consists of several veins systems developed in the reddened granite country rock occupying the footwall of the deposit.
These lodes display typical Charters Towers type characteristics with polyphase quartz and predominantly pyrite and sphalerite infill.
When SMC Resources commenced mining in 1997, the measured-indicated-inferred resource was 955,000t at 9.3g/t Au.
Some 55,606t of ore at 4.66g/t Au (259.3kg) was produced after the last resource figure was published in September 2004.
Ore from Hadleigh Castle was trucked to the Rishton mill for treatment. The decline was developed to 270m below surface.
Tamaya Resources Limited announced in their June quarterly report that they were intending to dispose of the Rishton tenements as they were no longer core business. The company went into voluntary administration in October 2008.
Hydromuscovite from alteration envelopes suggests gold deposition at 404Ma (BR 9007).

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507451 **HAMPDEN CONSOL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 15KM N OF MT TRACEY HOMESTEAD, 122KM ESE OF MT ISA

1:100 000 sheet Number and Name: 7055 MOUNT ANGELAY

Grid Reference: Zone 54 448612 mE 7646566 mN Latitude -21.2819 Longitude 140.5046 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1911 to 31-Dec-1958 21,761 tonnes OXIDE ORE

COPPER	METAL	1,931.6 tonnes	9.00 percent
GOLD	BULLION	35.4 kilograms	1.63 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1898	to	1915	Main mining period. Mining ceased due to fires in the undeveloped stopes, as well as industrial disputes. The Mount Elliott Company mined the Consols or Corbould orebody (ML 246). Ore was railed to Mt Elliott smelters, 28km to the south.

Mining Operations	Comments
SHAFTS	Shaft collapsed
STOPING	Collapsed

Tenure Type/Number		SHARE	Company Name/Surname
ML	90081	100.00%	WHITE RANGE MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Hampden Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	PROTEROZOIC

Comments

Web Page

www.matrixmetals.com.au

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

507440 **HAMPDEN NO.1**

ABANDONED MINE

Descriptive Location: 15KM NNW OF MT TRACEY HOMESTEAD, 122KM ESE OF MT ISA

1:100 000 sheet Number and Name: 7055 MOUNT ANGELAY

Grid Reference: Zone 54 448848 mE 7647121 mN Latitude -21.2769 Longitude 140.5069 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	31-Dec-1958		177,060 tonnes OXIDE ORE	
COPPER		METAL	12,894.0 tonnes	7.30 percent
GOLD		FINE	340.6 kilograms	1.90 grams per tonne
SILVER			173.6 kilograms	1.00 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1898	to	1920	Major mining & smelter operations were conducted from 1911 to 1920. First recorded production in 1898.
1921	to	1921	Operations ceased at Hampden due to falling copper prices and depleted high grade accessible ore.
1973	to	1976	O/cut mining & copper leaching operations. Open cut mining began near the old Hampden No 4 shaft but this opencut has since been backfilled. Another opencut between old Hampden No 3 & No6 shaft was subsequently worked until the end of 1976.

Mining Operations	Comments
SHAFTS	open
UNDERGROUND MINING METHODS	
STOPING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90081	100.00%	WHITE RANGE MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Hampden Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	PROTEROZOIC

Comments

This mine was the largest of this group of mines.The lode occurs on the eastern limb and near the nose of a pitching fold probably a south pitching syncline. The pyritic bodies are narrow and the quartz bodies much wider than those in the Hampden No.2.

Web Page

www.matrixmetals.com.au

Queensland Minerals

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38860 **HANDCUFF**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 32 KM SOUTH OF CHARTERS TOWERS PO, IN SEVENTY MILE RANGE NEAR HIGHWAY REWARD MINE, 125KM SW OF

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 417925 mE 7749070 mN Latitude -20.3546 Longitude 146.2136 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
LEAD	SMALL	1000 - 100 000 tonnes PB
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 6152 Published in 1995

INFERRED MINERAL RESOURCE 1,000,000 tonnes Ore @

7.40 % ZINC	**FOR**	74,000 Tonnes ZINC
8.80 g/t SILVER	**FOR**	8,800 Kilograms SILVER
0.40 % COPPER	**FOR**	4,000 Tonnes COPPER
0.20 % LEAD	**FOR**	2,000 Tonnes LEAD
0.20 g/t GOLD	**FOR**	200 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6152	1995	E.V. DRONSEIKA	MT WINDSOR JOINT VENTURE SUMMARY	ABERFOYLE UNPUBLISHED REPORT

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	1734	30.00%	BML HOLDINGS PTY LTD
ML	1734	70.00%	THALANGA COPPER MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
THALANGA PROVINCE	Trooper Creek Formation / EARLY ORDOVICIAN to EARLY ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE	STOCKWORK
DETAILED OREBODY MODEL	VMS - KUROKO STYLE (NORANDA, FELSIC TO INTERMED VMS TYPE)	

Mineralisation Age

ORE	ORDOVICIAN

Comments

This deposit is about 1.5km north-east of the Highway-Reward mine. Mineralisation occurs as a series of small discontinuous lenses of massive to semi-massive sulphide.

Part of the Mt. Windsor JV between BML Holdings Pty Ltd (owned by Grange Resources Limited) and Thalanga Copper Mines Pty Ltd.

Web Page

www.grangeresources.com.au

Queensland Minerals

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531906 **HARDWAY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 42.4KM EAST OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 385273 mE 7705023 mN Latitude -20.7509 Longitude 139.8980 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Rockwood

Commodities	Size	Size Definition
COPPER	VERY SMALL	<500 tonnes CU
SILICA	SMALL	1 000 - 1 000 000 t SIO
LIMESTONE	VERY SMALL	<100 000 tonnes LST
COBALT	VERY SMALL	<10 tonnes CO

Production Details

Period: 1-Jan-1966 to 31-Dec-1970 280 tonnes HARD ROCK ORE (OR REEF)

COPPER OTHER 11.8 tonnes 4.20 percent

Period: 1-Jan-1973 to 31-Dec-1976

SILICA 39,099.0 tonnes

Period: 1-Jan-1977 to 31-Dec-1977 525 tonnes HARD ROCK ORE (OR REEF)

LIMESTONE OTHER 525.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

OPEN CUT MINING

Comments

South-east opencut is 45m long x 12m wide x 8-12m deep. The north-west opencut is 40m long x 8-15m wide x 15m deep. A smaller opencut is on the northern side of the north-west opencut.

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	2760	33.00%	SMITH	Warren Reuben
ML	2760	34.00%	ULG PTY LTD	
ML	2760	14.00%	O'NEILL	BARRY JOHN
ML	2760	14.00%	SEARLE	ALAN FREDERICK
ML	2760	3.00%	PRICE	DUANE
ML	2760	1.00%	HORNBY	WAYNE ALLEN
ML	2760	1.00%	HORNBY	MICHELLE MAREE

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE PALAEOPROTEROZOIC

Comments

Soil sampling to the south of the drilled area returned up to 2200ppm Cu, 104ppm Co and 55ppb Au. The drill target has been extended for 1.5km south-east.

Goldsearch Limited drilled 6 RC holes in 2008. Intersections included 20m at 0.46% Cu from 29, (including 5m at 1.05% Cu and -.16% Co from 43m), 12m at 0.29% Cu from 12m and 49m at 0.26% Cu from 40m. Anomalous U, P and Y were also found.

GoldSearch Ltd became 100% owner of the Mary Kathleen project in the June 2009 quarter. Goldsearch entered into a farm-out and joint venture agreement with China Yunnan Copper Australia Ltd in August 2009 to explore the project area

Web Page

www.goldsearch.com.au

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38313 **HARPERS**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 9KM SE OF CHILLAGOE, 120KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7863 CHILLAGOE

Grid Reference: Zone 55 243814 mE 8096269 mN Latitude -17.2041 Longitude 144.5912 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
COPPER	VERY SMALL	<500 tonnes CU
TIN	VERY SMALL	<100 tonnes SN

Production Details

Published Reserves/Resources

BR 6205 Published in 1987

HARPERS

INFERRED MINERAL RESOURCE 830,000 tonnes Ore @ 1.90 g/t GOLD **FOR** 1,577 Kilograms GOLD

Resource to 100m depth.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6205	1987	ELDERS RESOURCES	ELDERS RESOURCES ANNUAL REPORT, 1987.	

Major Mining Related Events

Year Commenced		Year Completed	Comments
1896	to	1920	Intermittent mining. Open cut mining for flux ore commenced in 1903.
1925	to	1925	Shaft cleaned out and deepened in 1925.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15458	100.00%	MUNGANA GOLDMINES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	Almaden Granodiorite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	GOLD SKARN

Mineralisation Age

ORE CARBONIFEROUS

Comments

This deposit is part of a large skarn/fault aone that extends south-south-easterly for about 1km. The historical mine supplied copper ore to the Calcifer smelters.

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42490 **HARTOG**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 6.6KM NE OF MT GARNET.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 306114 mE 8046769 mN Latitude -17.6574 Longitude 145.1723 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Pinnacles - Hartog

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
FLUORITE	SMALL	50 - 50 000 tonnes FL
IRON	SMALL	5 000 - 5 000 000 tonnes FE
MAGNETITE	SMALL	50 000 - 500 000 tonnes MT
BERYLLIUM	VERY SMALL	<1 tonne BE

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source
BR 10409	2014	CONSOLIDATED TIN MINES LIMITED	ANNUAL REPORT 2014	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE. 13 OCTOBER 2014. CONSOLIDATED TIN MINES LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14185	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	TIN SKARN

Mineralisation Age

ORE

Comments

Three separate skarn deposits occur in wrigglite at a granite contact, overlain by siltstone and bounded by a porphyritic granite dyke. The Hartog East deposit has high F and anomalous Be (ERMS 14894).
Rock chip samples averaged 15% F and 0.1% Be (ERMS 14894). This locality has not been field checked

Web Page

www.consolidatedtinmines.com.au

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

480058 **HAVELOCK**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 2.3 KM S OF FORSAYTH.

1:100 000 sheet Number and Name: 7660 FORSAYTH

Grid Reference: Zone 54 774598 mE 7940679 mN Latitude -18.6068 Longitude 143.6022 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Sir Henry Havelock

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
COPPER	VERY SMALL	<500 tonnes CU
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period:	1-Jan-1878	to	31-Dec-1950	22,479 tonnes HARD ROCK ORE (OR REEF)
GOLD			FINE	877.8 kilograms
SILVER				483.0 kilograms
COPPER			METAL	98.2 tonnes
LEAD			METAL	0.7 tonnes
Period:	1-Jul-1996	to	30-Jun-1997	
GOLD			FINE	240.2 kilograms
SILVER				282.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
PITS	
SHAFTS	
TRENCHES	
UNDERGROUND MINING METHODS	Intensive underground mining operations.

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	3328	100.00%	TERRY	Richard Cob

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Goldsmiths Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	BASE METAL (POLYMETALLIC)

Mineralisation Age

ORE SILURIAN to DEVONIAN

Comments

The main oreshoot mined was 150m long and ranged from 0.3 to 2.1m in width, with a strike of 105 degrees and dips of 20 to 50 degrees north.

In 1986, Petrogram Pty Ltd calculated a probable reserve of 11000t at 18.4g/t Au. The reef was open cut by Union Mining NL in 1996-1997.

Web Page

Queensland Minerals

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493648 **HAWKWOOD**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 29 KM NE OF AUBURN, 274.42 KM NW OF BRISBANE.

1:100 000 sheet Number and Name: 9046 AUBURN

Grid Reference: Zone 56 286750 mE 7146000 mN Latitude -25.7886 Longitude 150.8733 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Tennent 1
Tennent 2
Thiess 1
Thiess 3

Commodities	Size	Size Definition
TITANOMAGNETITE	LARGE	>1 000 000 tonnes TITMAG
PLATINUM	VERY SMALL	<0.5 tonnes PT
PALLADIUM	VERY SMALL	<0.5 tonnes PD
COPPER	VERY SMALL	<500 tonnes CU
ILMENITE	VERY SMALL	<5 000 tonnes IM
VANADIUM OXIDE	VERY SMALL	<5 tonnes V

Production Details

Published Reserves/Resources

BR 9893 Published in 2012

INFERRED MINERAL RESOURCE 103,700,000 tonnes Ore @

13.80 % IRON **FOR** 14,310,600 Tonnes IRON

1.83 % TITANIUM **FOR** 1,897,710 Tonnes TITANIUM

0.05 % VANADIUM OXIDE **FOR** 51,850 Tonnes VANADIUM OXIDE

Comments/Cut Off Factor: At a lower cutoff of 10% DTR (Davis Tube Recovery)

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9893	2012	EASTERN IRON LIMITED	ASX ANNOUNCEMENT: 100MT MAIDEN RESOURCE FOR HAWKWOOD IRON PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 18 MAY 2012. EASTERN IRON LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
RAWBELLE BATHOLITH	Hawkwood Gabbro / LATE PERMIAN to EARLY TRIASSIC
RAWBELLE BATHOLITH	Delubra Quartz Gabbro / LATE PERMIAN to LATE PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MAFIC VOLCANIC RELATED DEPOSIT
DETAILED OREBODY MODEL	STRATIFORM MAFIC-ULTRAMAFIC FE-TI-V (BUSHVELD FE-TI-V)

Mineralisation Age

ORE	LATE PERMIAN to EARLY TRIASSIC

Comments

In 2012 Eastern Iron reported a maiden resource for Hawkwood: The Hawkwood iron (magnetite) concentrate is notably lower in titanium (TiO_2) and higher in iron than comparable titaniferous deposits as reflected in the high quality concentrate (DTR)

2012 (cont.) analysis for the resource: DTR (Davis Tube recovery) concentrate: Fe 64.6%; TiO_2 1.63%; V_2O_5 0.6%; SiO_2 3.26%; Al_2O_3 1.96% and S 0.65% (BR9893).

The Delubra/Hawkwood Gabbro is a layered intrusion with at least 40 layers varying in width from 2 to 20m. Detailed mapping indicates average dips of 20 degrees to the south. Oxidation persists to ~40m depth and lateritisation forms mesas.

Geophysical and geological modelling indicate that the contact zone between the Delubra Gabbro in the north and Hawkwood Gabbro in the south has a distinct primary layering indicated by shallow south-dipping bands of magnetite and sulphide minerals.

The elevated palladium and platinium geochemistry of the Delubra Gabbro, along with its structural setting, is similar to that observed for Alaskan-type platiniferous intrusions (Pan Australia media release).

Exploration in 1964 outlined six magnetic anomalies within a mineralised zone extending north-easterly in an area 1000m long and up to 600m wide.

In 1964, three core holes to test the magnetite-rich gabbro returned assays results of up to 0.3% Cu (1% chalcopyrite in a 0.9m interval), 350ppm Ni (1% pyrrhotite), 25% magnetite and 2% Ti.

In 1968, the Queensland Government completed 473m of drilling, intersecting several bands of magnetite up to 25m thick with 25% Fe, 2% Ti and 0.1-0.2% V. Laboratory tests suggested a 55% Fe and 4-5% Ti product was possible with wet separation.

In 1971, Theiss carried out further drilling that indicated a potential resource of 590 000t of magnetite in ore grading 23% from a pit with an ore:waste ratio of 1:0.63 to a depth of 40m.

Thin-section studies indicate that the magnetite occurs as granules and dendritic masses interstitial to plagioclase. Magnetite occurs as anhedral crystals up to 2mm with lamellae of ilmentie and hercynite. Minor chalcopyrite and pyrite.

Various estimates have been made of the potential magnetite resources, including 2.6Mt at 23% magnetite (ERMS 13371) and <500Mt at 25% magnetite, 2% Ti and 0.1-0.2% V (ERMS 32677).

In the June 2009 quarter, 119 bedrock auger holes were drilled on a 200m grid. A >500ppm Cu anomaly (with up to 1850ppm Cu) was delineated over a 1200m by 200m area. Rock chip sampling of outcropping iron mineralisation returned 24.9 to 52.1% Fe.

In February 2009, Carlyle Mining Corporation announced that it is acquiring 60% of shares in Sunland Properties Ltd, which holds the Hawkwood EPMs through subsidiary Rugby Mining Pty Ltd. Carlyle then changed its name to Rugby Mining Ltd.

A high resolution airborne magnetic survey identified a >12km long continuous highly magnetic zone, possibly indicating the presence of magnetite-rich layers in the gabbro complex. A follow-up ground magnetic survey confirmed the high intensity anomaly.

A 19 hole RC drilling program was completed in September 2010. Intersections of magnetite-bearing gabbro were up to 112m long. The ferrigabbro was estimated to contain ~20-25% vanadium-bearing titaniferouos magnetite.

Eastern Iron has estimated the exploration target tonnage at Hawkwood as 300-400Mt of gabbro with 20-25% contained magnetite.

A single composite sample from a poorly outcropping, massive magnetite layer assayed 59.5% Fe, 0.48% V, 2.13% Al_2O_3, 1.64% SiO_2 and 9.11% TiO_2, indicating direct shipping potential.

Samples of magnetite-bearing gabbro averaged 30% fe, 6.6% Al_2O_3, 28.8% SiO_2, 3.3% TiO_2 and 0.2% V, consistent with magnetic fractions of 40-45%.

Eastern Iron Ltd entered into a joint venture with Rugby Mining in January 2010 and is carrying out exploration at Hawkwood.

Web Page

www.rugbymining.com; www.easterniron.com.au

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479124 **HELIDON SANDSTONE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 2.5KM NE OF HELIDON, 85KM WEST OF BRISBANE.

1:100 000 sheet Number and Name: 9342 HELIDON

Grid Reference: Zone 56 417343 mE 6955515 mN Latitude -27.5215 Longitude 152.1630 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Wagners Sandstone
Wrights Sandstone Quarry

Commodities	Size	Size Definition
BUILDING STONE	MEDIUM	2 000 000 - 10 000 000 tonnes BLST
SANDSTONE	LARGE	>1 000 000 tonnes SST

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
MDL 151	100.00%	TARACK PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CLARENCE-MORETON BASIN	Woogaroo Subgroup / LATE TRIASSIC to EARLY JURASSIC

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

Mineralisation Age

ORE LATE TRIASSIC to EARLY JURASSIC

Comments

Sandstone has been quarried from this area for over 100 years.

Web Page

Queensland Minerals

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495648 **HERBERT CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 20 KM NORTH EAST OF MARLBOROUGH, 175KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8852 MARLBOROUGH

Grid Reference: Zone 55 805842 mE 7492082 mN Latitude -22.6507 Longitude 149.9758 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Herbert Creek Magnesite

Commodities	Size	Size Definition
MAGNESITE	LARGE	>10 000 000 tonnes MS

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
MDL 194	100.00%	MAGNESITE QUEENSLAND PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HERBERT CREEK BASIN	Kunwarara Magnesite / TERTIARY to TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	NODULAR MAGNESITE

Mineralisation Age

ORE	TERTIARY

Comments

This is a high-grade cryptocrystalline nodular magnesite deposit hosted by alluvial clays, sands and gravel and covering an area of 2 square kilometres.

Web Page

www.wonjin.co.kr

Queensland Minerals

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507669 **HERBERT CREEK EAST**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 12.7KM S OF STRATHBOGIE HOMESTEAD; 41.7KM NW OF COLLINSVILLE.

1:100 000 sheet Number and Name: 8457 BOGIE

Grid Reference: Zone 55 558695 mE 7758885 mN Latitude -20.2668 Longitude 147.5621 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Published Reserves/Resources

BR 9316 Published in 2009

HERBERT CREEK EAST

INDICATED MINERAL RESOURCE 351,000 tonnes Ore @

4.20 g/t SILVER **FOR** 1,474 Kilograms SILVER

2.17 g/t GOLD **FOR** 761 Kilograms GOLD

Comments/Cut Off Factor: ~1.2g/t Au eq.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9316	2009	CONQUEST MINING LIMITED	RESOURCE UPGRADE FOR SILVER HILL DEPOSIT AT MT CARLTON.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 22 OCTOBER 2009. CONQUEST MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
EPM 10164	100.00%	CONQUEST MINING PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BOWEN BASIN	Lizzie Creek Volcanics / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	HIGH SULPHIDATION EPITHERMAL

Mineralisation Age

ORE PERMIAN to MESOZOIC

Comments

Part of the Mount Carlton project of Conquest Mining Ltd.

Web Page

http://www.conquestmining.com.au

Queensland Minerals

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36253 **HERBERTON DEEP LEAD**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: FROM HERBERTON TO THE MILLSTREAM.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 328767 mE 8072877 mN Latitude -17.4234 Longitude 145.3878 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
GOLD	VERY SMALL	<0.5 tonnes AU
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Period: 1-Jan-1883 to 31-Dec-1988

CASSITERITE 4,000.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	3914	50.00%	ROBINSON	Herbert James
ML	3914	50.00%	ROBINSON	William James

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	DEEP LEAD PLACER SN

Mineralisation Age

ORE CENOZOIC

Comments

The Herberton Deep Lead extends from Herberton to Prairie Creek and on to the junction of the Millstream and the Wild River. The alluvium is up to 6m thick but the cassiterite-bearing wash is generally only in the bottom 1 to 2m.
The lead is overlain by up to 30m of Pleistocene olivine basalt.

Web Page

Queensland Minerals

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502858 **HERO**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 35 KM NORTH OF MOUNT ISA.

1:100 000 sheet Number and Name: 6757 KENNEDY GAP

Grid Reference: Zone 54 335720 mE 7741445 mN Latitude -20.4182 Longitude 139.4255 Date Recorded: 8/March/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
URANIUM	SMALL	100 - 10 000 tonnes U

Production Details

Published Reserves/Resources

Company Report 2228 Published in 1959 **HERO**

INFERRED MINERAL RESOURCE 40,000,000 tonnes Ore @ 0.25 % COPPER **FOR** 100,000 Tonnes COPPER

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17514	100.00%	SUMMIT RESOURCES (AUST) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Warrina Park Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Low-grade copper mineralisation has been delineated in hematitic shale breccias down to >800m depth. Rock chip samples returned 1.69lb/t U3O8. The prospective zone is about 3km long and 500m wide.

Drill intercepts reported by MM Mining Pty Ltd in late 2009 included 310m at 0.1% Cu, 181m at 0.2% Cu (including 15m at 1% Cu) from 50m, and 18m at 1.5% Cu. The leached outcrop provides a poor geochemical surface expression.

Magnetite-hematite-chalcopyrite mineralisation (Fe-Cu-Bi assemblage) occurs associated with multiphase potassic and Fe alteration in conglomerate. Minimal drilling has been carried out to test a 1500m long magenite alteration zone and 180m wide Cu zone.

Web Page

www.summitresources.com.au; www.mmmining.com.au

Queensland Minerals

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38863 **HIDDEN SECRET**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 6.8 KM S OF CHARTERS TOWERS.

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 423490 mE 7772924 mN Latitude -20.1393 Longitude 146.2680 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Eureka

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Published Reserves/Resources

BR 10151 Published in 2012

HIDDEN SECRET (E06)

INFERRED MINERAL RESOURCE 1,458,000 tonnes Ore @

13.50 g/t GOLD **FOR** 19,683 Kilograms GOLD

9.00 g/t SILVER **FOR** 13,122 Kilograms SILVER

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
MDL	251	25.00%	CHARTERS TOWERS MINES PTY LTD
MDL	251	75.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Hogsflesh Creek Granodiorite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

The Hidden Secret is an arcuate lode which changes strike northeast to east-northeast dipping south. It is located at the contact between the Hogsflesh Creek granodiorite and the Charters Towers Metamorphics.

Web Page

http://www.citigold.com

Queensland Minerals

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494058 **HIDDEN TREASURE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 36 KM NORTH-NORTH-WEST OF MOUNT CUTHBERT MINE, 110KM NE OF MT ISA.

1:100 000 sheet Number and Name: 6858 ALSACE

Grid Reference: Zone 54 375186 mE 7823716 mN Latitude -19.6779 Longitude 139.8093 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Period:	31-Dec-1958		74	tonnes HARD ROCK ORE (OR REEF)	
COPPER		OTHER	6.0 tonnes		8.00 percent
Period: 1-Jan-1962 to	31-Dec-1968		211	tonnes HARD ROCK ORE (OR REEF)	
COPPER		METAL	16.8 tonnes		8.00 percent

Published Reserves/Resources

BR 8922 Published in 2008 **HIDDEN TREASURE**

INFERRED MINERAL RESOURCE 71,000 tonnes Ore @ 0.80 % COPPER **FOR** 568 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cutoff

BR 8922 Published in 2008 **HIDDEN TREASURE**

MEASURED MINERAL RESOURCE 229,000 tonnes Ore @ 1.50 % COPPER **FOR** 3,435 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8922	2008	MATRIX METALS LIMITED	ANNUAL REPORT 2008.	MATRIX METALS LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments
1968		Mined from a 6.6m deep shaft and five 3m deep pits up until 1968. Later opened up as a single open cut.

Mining Operations	Comments
OPEN CUT MINING	60m long x 20m wide x >3m deep.
SHAFTS	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	2492	100.00%	MALACO LEICHHARDT PTY LTD
ML	2784	100.00%	MALACO LEICHHARDT PTY LTD
ML	90137	100.00%	MALACO LEICHHARDT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KALKADOON-LEICHHARDT DOMAIN	Surprise Creek Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Web Page

www.matrixmetals.com.au

Queensland Minerals

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501398 **HIDDEN VALLEY**

ABANDONED MINE

Descriptive Location: 2.1KM WSW OF MOUNT ISA

1:100 000 sheet Number and Name: 6756 MOUNT ISA

Grid Reference: Zone 54 340820 mE 7706765 mN Latitude -20.7319 Longitude 139.4712 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
SILICA	SMALL	1 000 - 1 000 000 t SIO

Production Details

LUMP SILICA	22,400.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	8058	100.00%	MOUNT ISA MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Magazine Shale / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	ROCK SILICA

Mineralisation Age

ORE	PROTEROZOIC

Comments

Web Page

www.xstrata.com

Queensland Minerals

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479168 **HIGHLAND MARY P.C.**

ABANDONED MINE

Descriptive Location: 1.3 KM SE OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 632231 mE 7985754 mN Latitude -18.2133 Longitude 142.2505 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Highland Mary United

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1887 to 31-Dec-1899 13,129 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	775.8 kilograms	59.09 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 9438	100.00%	CRATER GOLD MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

Rands (1896) reported that the reef was lost at 23m vertical depth in the underlie shaft. Later reports and drilling results indicated that the reef does continue to the east, but is offset by faulting.

Web Page

www.goldaura.com.au

Queensland Minerals

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491206 **HIGHLAND PLAINS**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 12.4KM WSW OF MUSSELBROOK MINING CAMP AREA, 255KM NW OF MT ISA.

1:100 000 sheet Number and Name: 6560 MUSSELBROOK

Grid Reference: Zone 54 185121 mE 7938165 mN Latitude -18.6238 Longitude 138.0160 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

Company Report 15312 Published in 1986 **HIGHLAND PLAINS**

INFERRED MINERAL RESOURCE 84,000,000 tonnes Ore @

13.40 % PHOSPHATE **FOR** 11,256,000 Tonnes PHOSPHATE

Comments/Cut Off Factor: >=10% P2O5 cutoff.

At an average grade of 13.4% P2O5, 4.3% Al2O3, 5.4% Fe2O3 and 1.0% CO2.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14906	100.00%	KING EAGLE RESOURCES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Border Waterhole Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	MIDDLE CAMBRIAN

Comments

Legend International Holdings Inc entered into a joint venture arrangement with Golden Cross Resources over the phosphate resources in May 2008.

Web Page

http:///www.goldencross.com.au; www.lgdi.net

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

38866 **HIGHWAY-REWARD**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 33.0KM SSW OF CHARTERS TOWERS POST OFFICE, 125KM SW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 416682 mE 7747964 mN Latitude -20.3646 Longitude 146.2017 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Reward Deeps
Conviction
B Lens
Chimney
Highway
Reward
Mount Windsor Joint Venture

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG
ZINC	SMALL	200 - 200 000 tonnes ZN
LEAD	SMALL	1000 - 100 000 tonnes PB

Production Details

Period:	1-Jan-1953	to	31-Dec-1989		120,000 tonnes HARD ROCK ORE (OR REEF)
GOLD				FINE	301.2 kilograms
SILVER					114.0 kilograms
Period:	1-Jul-1998	to	30-Jun-1999		
COPPER				METAL	52,464.0 tonnes
SILVER					6,085.7 kilograms
GOLD				METAL	537.3 kilograms
LEAD				METAL	259.0 tonnes
ZINC				METAL	868.0 tonnes
Period:	1-Jul-1999	to	30-Jun-2000		462,196 tonnes SULPHIDE ORE
GOLD				METAL	68.8 kilograms
COPPER				METAL	20,247.0 tonnes
SILVER					1,195.8 kilograms
LEAD				METAL	878.0 tonnes
ZINC				METAL	1,998.0 tonnes
Period:	1-Jul-2000	to	30-Jun-2001		
COPPER				METAL	33,572.0 tonnes
Period:	1-Jul-2001	to	30-Jun-2002		386,671 tonnes SULPHIDE ORE
COPPER				METAL	13,280.0 tonnes
GOLD				METAL	0.1 kilograms
Period:	1-Jul-2002	to	30-Jun-2003		
COPPER				METAL	13,280.0 tonnes
GOLD				METAL	33.8 kilograms
Period:	1-Jul-2003	to	30-Jun-2004		
COPPER				METAL	28,611.0 tonnes
GOLD				METAL	77.1 kilograms
Period:	1-Jul-2004	to	30-Jun-2005		297,586 tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	10,841.0 tonnes
GOLD				BULLION	29.3 kilograms
Period:	1-Jul-2005	to	30-Jun-2006		
COPPER				METAL	797.0 tonnes
GOLD				METAL	2,284.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Queensland Minerals

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1953	to	1960	Discovered in 1953 when barite and gold mineralisation was exposed in a road cutting. Initially mined from shallow underground workings and small opencut.
1986			Reward ore body discovered 1986.
1989			Mining by North Queensland Resources N.L. via an open cut to 30m depth.
1998	to	1999	Reward pit commenced on oxide resource and massive sulphide exposed in July 1998. Mining of the Reward pit completed in July 1999 reaching a depth of 155m.
1998	to	2005	Mining by Mount Windsor Joint Venture. Pre-stripping of Highway pit began in October 1998. Highway pit will operated upto October 2001 (June 2000). Underground mining ceased in June 2005
1999			Twinstar Holdings Ltd purchased the deposit from RGC Thalanga Pty Ltd in October 1999. The operating company was renamed to Thalanga Copper Mines Pty Ltd.
1999	to	2001	Highway orebody developed. Prestrip commenced Oct 1998 and completed Nov 1999 removing 12 m bcm of overburden. First ore mined Nov 1999 and mining completed Dec 2001
2001			Decline portal commenced from base of Highway pit in March 2001. Decline planned to be 3.3km in length.
2002	to	2003	Rehabilitation of Highway and Reward mine site was commenced in 2002. By the end of 2003 capping and topsoiling of waste dump had been completed. Revegetation commenced in 2003.
2002			Conviction Orebody production stoping commenced in Dec 2002.
2003	to	2004	Development and mining of Reward Deeps and conviction ore body commence May 2003. Extension of decline commenced in April 2004 to access Lower Reward Deeps resource below 1000m RL.
2005			Mining operations ceased in July 2005 in Reward Deeps and Conviction as defined resources exhausted.

Mining Operations

OPEN CUT MINING

UNDERGROUND MINING METHODS

Comments

Reward pit is 400m diameter by 155m deep. Highway open cut, which is NW of and overlaping the Reward pit, is 600m in diameter by 230m deep when completed.

Tenure Type/Number		SHARE	Company Name/Surname
ML	1571	30.00%	BML HOLDINGS PTY LTD
ML	1571	70.00%	THALANGA COPPER MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
THALANGA PROVINCE	Trooper Creek Formation / EARLY ORDOVICIAN to EARLY ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE	PIPE
DETAILED OREBODY MODEL	VMS - KUROKO STYLE (NORANDA, FELSIC TO INTERMED VMS TYPE)	

Mineralisation Age

ORE	EARLY ORDOVICIAN	Massive pyrite or semi-massive pyrite +-chalcopyrite. 206Pb/204Pb model age of 430 Ma (Carr & others, 1988).

Comments

Three main styles of mineralisation have been identified, a massive pyrite body, a supergene enriched copper ore and an inferred oxide resource. In addition massive lead-zinc barite lenses are noted.

Felsic lavas and fragmentals of rhyolite to rhyodacite composition dominate the host sequence with feldspar destructive alteration commonly present, producing assemblages dominated by feldspar and quartz.

A zone of intense chlorite-anhydrite alteration occurs immediately beneath the massive pyrite body with intense clay alteration developed at its margins.

Production stopped in 2005 after all resources were mined out. Mine is now rehabilitated.

Web Page

http://www.grangeresources.com.au

Queensland Minerals

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578290 **HOLBOURNE ISLAND**

ABANDONED MINE

Descriptive Location: 34KM ENE OF ABBOT POINT

1:100 000 sheet Number and Name: 8558 ABBOT POINT

Grid Reference: Zone 55 642200 mE 7817900 mN Latitude -19.7293 Longitude 148.3570 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	SMALL	2 000 - 200 000 tonnes PHR

Production Details

Period: 1-Jan-1918 to 31-Dec-1918		
PHOSPHATE ROCK (PHOSPHORITE)	457.2 tonnes	
Period: 1-Jan-1919 to 31-Dec-1919		
PHOSPHATE ROCK (PHOSPHORITE)	660.4 tonnes	
Period: 1-Jan-1920 to 31-Dec-1920		
PHOSPHATE ROCK (PHOSPHORITE)	863.6 tonnes	
Period: 1-Jan-1921 to 31-Dec-1921		
PHOSPHATE ROCK (PHOSPHORITE)	457.2 tonnes	
Period: 1-Jan-1922 to 31-Dec-1922		
PHOSPHATE ROCK (PHOSPHORITE)	66.1 tonnes	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference	ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1918	to	1922	Holbourne Island Phosphate Company Ltd was formed and commenced working the deposit.

Mining Operations	Comments
OPEN CUT MINING	
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL RESIDUAL DEPOSIT

Mineralisation Age

ORE CENOZOIC

Comments

Web Page

Queensland Minerals

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479171 **HOMEWARD BOUND**

ABANDONED MINE

Descriptive Location: 8.2 KM NNE OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 634921 mE 7994064 mN Latitude -18.1381 Longitude 142.2754 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1887 to 31-Dec-1940 13,990 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	515.4 kilograms	36.84 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Croydon Volcanic Group / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

The Homeward Bound reef comprises up to 2m of quartz-veined formation and quartz breccia with veins of euhedral buck quartz to 1m wide. It dips at a low angle to the east and has been worked from underlie shafts and stopes and from vertical shafts. The best quartz mined was iron-stained and crystalline. Individual ore shoots are small, but the continuity and richness of the reef has led to a production of more than 0.5t of gold bullion. Although the deepest shafts were of the order of 80m deep, most workings don't extend beyond about 30 to 40m vertical depth.

The production figures given here include production from the Homeward Bound P.C., P.A., Amalgamated, United, United Extended Block, and Nos 2 to 6, 2 Block, 1 N to 6 N, 3AN, 1S to 6S, 3 NW, 1 W to 5 W, 1 W Block, and 3 and 4 W Blocks.

Web Page

www.goldaura.com.au

Queensland Minerals

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578265 **HONEY POT**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 16KM NE OF DUKE/BATMAN

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 336600 mE 7806200 mN Latitude -19.8333 Longitude 139.4397 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Honey Pot Prospect

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U

Production Details

Published Reserves/Resources

BR 9919 Published in 2012 **HONEY POT**

INFERRED MINERAL RESOURCE 2,600,000 tonnes Ore @ 0.07 % URANIUM OXIDE **FOR** 1,820 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 250ppm U3O8 by XRF analysis.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9919	2012	PALADIN ENERGY LIMITED	ANNUAL REPORT 2012.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 30 AUGUST 2012. PALADIN ENERGY LIMITED, SUBIACO

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	12572	100.00%	FUSION RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Cromwell Metabasalt Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	STRATABOUND URANIUM-COPPER

Mineralisation Age

ORE	PROTEROZOIC

Comments

Batman and Honey Pot Prospect were acquired from Fusion Resources Ltd by Paladin Energy Ltd in 2009.

Web Page

www.fusionresources.com.au

Queensland Minerals

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45395 **HORN ISLAND GOLD MINE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 32.4 KM NNW OF BAMAGA, EAST OF THURSDAY ISLAND IN THE TORRES STRAITS

1:100 000 sheet Number and Name: 7376 THURSDAY ISLAND

Grid Reference: Zone 54 643925 mE 8827066 mN Latitude -10.6079 Longitude 142.3156 Date Recorded: 16/December/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN
MOLYBDENUM	VERY SMALL	<50 tonnes MO

Production Details

Period: 1-Jan-1894 to 31-Dec-1901

GOLD BULLION 159.9 kilograms

Period: 1-Jan-1987 to 31-Dec-1989

GOLD BULLION 1,432.0 kilograms

Published Reserves/Resources

BR 10208 Published in 1988 **HORN ISLAND**

MEASURED - INDICATED - INFERRED MINERAL RESOURCE 1,709,505 tonnes Ore @ 2.37 g/t GOLD **FOR** 4,051 Kilograms GOLD

Comments/Cut Off Factor: 1.0 g/t Au cut-off

Pre JORC; 2350000Mt @ 2.37g/t Au total resource, but 640495t were mined in 1989.

BR 10234 Published in 1990 **SOUTH EAST RESOURCE**

MEASURED - INDICATED MINERAL RESOURCE 134,000 tonnes Ore @ 3.90 g/t GOLD **FOR** 522 Kilograms GOLD

Comments/Cut Off Factor: 1.0 g/t Au cut-off

pre JORC

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10208	1988	AUGOLD N.L.	HORN ISLAND PROJECT. ANNUAL REPORT FOR 1988	REPORT SUBMITTED TO THE AUSTRALIAN STOCK EXCHANGE, BRISBANE, JUNE 1988 AUGOLD N.L., BRISBANE
BR 10234	1990	GIANT RESOURCES LIMITED	GIANT RESOURCES QUARTERLY REPORT FOR PERIOD ENDED DECEMBER 31, 1989	REPORT SUBMITTED TO THE AUSTRALIAN STOCK EXCHANGE, BRISBANE, 14 FEBRUARY 1990 GIANT RESOURCES LTD, BRISBANE

Major Mining Related Events

Year Commenced Year Completed Comments

Operating Mine Life: 1987 to 1989 Mining commenced in 1987. The first gold pour was July 1988. Operations ceased in December 1989 because of poor gold grades and the collapse of the parent company.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 25520	100.00%	KAURARU GOLD PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Torres Strait Volcanic Group / LATE CARBONIFEROUS to EARLY PERMIAN
CAPE YORK-ORIOMO INLIER	Horn Island Granite / LATE CARBONIFEROUS to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL INTRUSIVE-RELATED (PORPHYRY-RELATED)

DETAILED OREBODY MODEL PORPHYRY INTRUSION-RELATED QUARTZ VEINS & STOCKWORKS

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Gold is associated with base metal sulphides in quartz and quartz-carbonate reefs and stringer veins in a southeast-trending structural corridor in granitic rocks, close to the intrusive contact with the Torres Strait Volcanics. The order of emplacement, from oldest to youngest, is volcanics, granite, porphyritic microgranite, aplitic granite dykes and stocks, and post-mineralisation quartz-feldspar porphyry dykes. Ore-bearing veins are both steeply dipping and flat-lying. Extensive propylitic & argillic alteration are developed within the mineralised zone; the intensity of alteration decreases away from individual reefs. The main alteration minerals are sericite, chlorite and illite. Muscovite, albite and K-feldspar are locally developed.

Pyritisation of the altered granite is common. The veins are tensional features, with well-developed comb quartz, laminated quartz, and breccia textures. Much of the silica is cryptocrystalline. Gold is restricted to the veined zones; very little gold occurs in unveined granite. Individual lodes range from 0.3 to 10 m wide. Reefs mined in the opencuts include the Good Luck, Italian, Gympie, Success, Triumph, Thistle, Brilliant, Rosetta, Horn Island, Band of Hope and Welcome. Treatment at the mine was by fine grinding, flotation and carbon-in-leach. Some alluvial gold was recovered from gullies draining into Spring Creek. The mine site is now within Departmental Restricted Area 295 (for the rehabilitation of the mining operation).

In 1988 AuGOLD N.L. reported a total resource of 2.35Mt @ 2.37g/t Au (BR10208). From that resource figure 640495t of ore were mined at a lower than expected head grade of 1.59g/t (BR6081). Subtracting the two reported figures the computed remaining (cont.) resource on Horn Island is 1.709Mt. Exploratory drilling by Giant Resources reported discovery of an additional 134 000t of ore at 3.9g/t to the south of Pit 1 (BR10234). This would result in a recalculated resource of 1.84Mt @ 2.48g/t Au.

Web Page

http://alicequeen.com.au/

Queensland Minerals

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36411 **HORSE CREEK DIMBULAH**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 7.3KM ENE OF DIMBULAH, 60KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 306114 mE 8104770 mN Latitude -17.1334 Longitude 145.1775 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Published Reserves/Resources

Company Report 12563 Published in 1983 **HORSE CREEK DIMBULAH**

INFERRED MINERAL RESOURCE 750,000 cubic metres Ore @ 350.00 g/m*3 CASSITERITE **FOR** 263 Tonnes CASSITERITE

Comments/Cut Off Factor: Resource +/- 250 000 cubic metres.
Figures are +- 250 000 cu.m.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Low-grade cassiterite-bearing alluvium overlying basalt.

Web Page

Queensland Minerals

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532284 **HORSESHOE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 36.9KM SOUTH-WEST OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 425589 mE 7681670 mN Latitude -20.9639 Longitude 140.2842 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Dorothy May

Big Ben

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
COBALT	VERY SMALL	<10 tonnes CO

Production Details

Period: 1-Jan-1965 to 31-Dec-1965 4 tonnes HARD ROCK ORE (OR REEF)

COPPER OTHER 0.5 tonnes 13.80 percent

Period: 1-Jan-1969 to 31-Dec-1969 100 tonnes HARD ROCK ORE (OR REEF)

COPPER OTHER 5.8 tonnes 5.80 percent

Published Reserves/Resources

BR 10576 Published in 2016 **HORSESHOE**

INDICATED MINERAL RESOURCE 280,000 tonnes Ore @

1.40 % COPPER **FOR** 3,920 Tonnes COPPER

0.02 % COBALT **FOR** 56 Tonnes COBALT

0.10 g/t GOLD **FOR** 28 Kilograms GOLD

BR 10576 Published in 2016 **HORSESHOE**

INFERRED MINERAL RESOURCE 680,000 tonnes Ore @

1.50 % COPPER **FOR** 10,200 Tonnes COPPER

0.10 g/t GOLD **FOR** 68 Kilograms GOLD

0.01 % COBALT **FOR** 68 Tonnes COBALT

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10576	2016	QUEENSLAND MINING CORPORATION LIMITED	ANNUAL REPORT 2016	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 21 OCTOBER 2016. QUEENSLAND MINING CORPORATION LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	half filled with water (~6m to water)

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MITAKOODI DOMAIN	Cone Creek Metabasalt Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL BRECCIA-HOSTED

DETAILED OREBODY MODEL IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Web Page

http://www.qmcl.com.au/

Queensland Minerals

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38248 **HR AREA**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 15.1KM SOUTH OF WEIPA AIRSTRIP, 560KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7272 WEIPA

Grid Reference: Zone 54 603122 mE 8583167 mN Latitude -12.8146 Longitude 141.9502 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

North Coconut Project

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

Company Report 4557 Published in 1973

INFERRED MINERAL RESOURCE

14,500,000 Tonnes BAUXITE

Comments/Cut Off Factor: >35% alumina and <15% reactive silica.

Company Report 4557 Published in 1973

INFERRED MINERAL RESOURCE

7,000,000 Tonnes BAUXITE

Comments/Cut Off Factor: 44% alumina and 7.5% reactive silica

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15269	100.00%	CAPE ALUMINA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

Cape Alumina Pty Ltd, a 50%-owned subsidiary of Metallica Minerals Ltd, has applied for EPM 15269, which includes the HR area.
In 1972 Austral Pacific Mining Corporation Ltd drilled 24 holes in the HR area. An inferred resource of 21.6Mt of bauxite was estimated, of which 14.5Mt graded <15% reactive SiO2 and >35% alumina.
The average thickness of the pisolitic horizon is 2.6m and the maximum depth is 4.6m. Austral Pacific estimated that 7Mt of bauxite grading around 44% alumina and 7.5% reactive silica could be shipped after beneficiation by wet screening.

Web Page

www.capealumina.com.au; www.metallicaminerals.com.au

Queensland Minerals

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493704 **HUARABAGOO**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 23.2 KM SOUTH-WEST OF WESTMORELAND, 350KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6562 HEDLEYS CREEK

Grid Reference: Zone 54 193722 mE 8062165 mN Latitude -17.5058 Longitude 138.1158 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Huarabagoo East

Westmoreland

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 9289 Published in 2009 **HUARABAGOO**

INDICATED MINERAL RESOURCE 1,462,000 tonnes Ore @ 0.08 % URANIUM OXIDE **FOR** 1,213 Tonnes URANIUM OXIDE

NI 43-101 compliant

BR 9289 Published in 2009 **HUARABAGOO**

INFERRED MINERAL RESOURCE 2,406,000 tonnes Ore @ 0.11 % URANIUM OXIDE **FOR** 2,622 Tonnes URANIUM OXIDE

NI 43-101 compliant

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9289	2009	LARAMIDE RESOURCES LTD	LARAMIDE ANNOUNCES UPDATED NI 43-101 COMPLIANT RESOURCES REPORT ON WESTMORELAND.	ANNOUNCEMENT TO THE TOTONTO STOCK EXCHANGE, 23 APRIL 2009. LARAMIDE RESOURCES LTD, TORONTO.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
ADITS	
SHAFTS	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14558	100.00%	TACKLE RESOURCES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Westmoreland Conglomerate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
CAMOOWEAL-MURPHY DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	UNCONFORMITY-RELATED DEPOSIT
DETAILED OREBODY MODEL	UNCONFORMITY U-AU (VEIN-TYPE U)

Mineralisation Age

ORE	NEOPROTEROZOIC	Dating of nine uraniferous samples, from the Westmoreland area, indicates one major mineralising event at 812+-55Ma (Schindlmayr & Beerbaum, 1986).

Comments

Drill results for the December 2009 quarter included 25m at 0.07% U3O8 from 32m (including 9m at 0.14% U3O8 from 48m), 10m at 0.08% U3O8 from 44m and 24m at 0.07% U3O8 from 79m (including 6m at 0.13% U3O8 from 90m).

This prospect is now held by Canadian company Laramide Resources Ltd.

Web Page

www.laramide.com

Queensland Minerals

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486524 **HUMMOCK HILL ISLAND**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 25KM SE GLADSTONE.

1:100 000 sheet Number and Name: 9149 CALLIOPE

Grid Reference: Zone 56 347155 mE 7343555 mN Latitude -24.0126 Longitude 151.4972 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

West End
East End
Central

Commodities	Size	Size Definition
ILMENITE	SMALL	5 000 - 5 000 000 tonnes IM
RUTILE	SMALL	2 000 - 200 000 tonnes RUT
ZIRCON	SMALL	500 - 500 000 tonnes ZIR

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	Qhcb-YARROL/SCAG / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	SHORELINE (STRANDLINE) PLACER HEAVY MINERALS
DETAILED OREBODY MODEL	DUNE DEPOSIT HEAVY MINERALS

Mineralisation Age

ORE	CENOZOIC

Comments

Held by Bemax Resources Ltd (RZM Pty Ltd).

Web Page

www.rzm.com.au

Queensland Minerals

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45333 **HUNTER**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 105KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 289311 mE 8043254 mN Latitude -17.6877 Longitude 145.0136 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Hunter Tin

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Published Reserves/Resources

BR 6053 Published in 1999 **HUNTER TIN**

INFERRED MINERAL RESOURCE 6,615,000 cubic metres Ore @ 176.00 g/m*3 CASSITERITE **FOR** 1,164 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17623	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Web Page

Queensland Minerals

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483531 **IBIS**

ABANDONED MINE

Descriptive Location: EASTERN SEABOARD OF NORTH STRADBROKE ISLAND, 40KM EAST OF BRISBANE.

1:100 000 sheet Number and Name: 9542 BEENLEIGH

Grid Reference: Zone 56 540781 mE 6945972 mN Latitude -27.6095 Longitude 153.4133 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Ibis Alpha

North Stradbroke Island

Commodities	Size	Size Definition
RUTILE	SMALL	2 000 - 200 000 tonnes RUT
ZIRCON	SMALL	500 - 500 000 tonnes ZIR
ILMENITE	SMALL	5 000 - 5 000 000 tonnes IM
MONAZITE	VERY SMALL	<200 tonnes MZ

Production Details

Period:	1-Jul-1996	to	30-Jun-1997
RUTILE			28,408.0 tonnes
ILMENITE			42,234.0 tonnes
ZIRCON			20,480.0 tonnes
Period:	1-Jul-1997	to	30-Jun-1998
RUTILE			40,097.0 tonnes
ILMENITE			69,125.0 tonnes
ZIRCON			27,012.0 tonnes
Period:	1-Jul-1998	to	30-Jun-1999
ILMENITE			36,078.0 tonnes
ZIRCON			21,006.0 tonnes
RUTILE			30,388.0 tonnes
Period:	1-Jul-2002	to	30-Jun-2003
ILMENITE			60,357.0 tonnes
Period:	1-Jul-2003	to	30-Jun-2004
RUTILE			19,181.0 tonnes
ZIRCON			17,816.0 tonnes
ILMENITE			56,025.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1996	to	2004	Mining at Ibis commenced in December 1996 and ceased in mid-May 2004 followed by a 6 week shutdown of the dredge for upgrading. The dredge then commenced mining through a low grade zone towards the Enterprise deposit on 22 June.

Mining Operations	Comments
DREDGING	Floating dredge which uses spiral concentrators and magnetic seperation to produce concentrate of heavy minerals.

Tenure Type/Number		SHARE	Company Name/Surname
ML	1121	100.00%	STRADBROKE RUTILE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	SHORELINE PLACER
DETAILED OREBODY MODEL	SHORELINE (STRANDLINE) PLACER HEAVY MINERALS

Mineralisation Age

ORE	CENOZOIC

Comments

The Ibis deposit was mined from 1996 to mid-2004 by Consolidated Rutile Limited. The plant was shut down and upgraded to begin mining the Enterprise deposit.

Web Page

http://www.consrutile.com.au/

Queensland Minerals

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38874 **IDENTITY LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 3.8 KM ESE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 425749 mE 7778210 mN Latitude -20.0917 Longitude 146.2898 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Good Hope
New Grace Darling
Identity United
Hope
Identity P.C.
Golden Mundic
The Hit Or Miss
Star Of Hope
Irishman
United Irishman

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1875 to 31-Dec-1911 35,156 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 1,671.8 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1875	to	1911	
1940	to	1947	The Golden Mundic vein was worked during this period.

Mining Operations	Comments
INCLINED SHAFTS / DRIVES	
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
MDL 116	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

This resource forms part of the Citigold Corporation Limited's Charters Towers Gold Project.

Web Page

http://www.citigold.com.au/

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479179 **IGUANA**

ABANDONED MINE

Descriptive Location: 0.8 KM N OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 631321 mE 7987464 mN Latitude -18.1979 Longitude 142.2418 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Iguana Hill

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1887 to 31-Dec-1940 28,951 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	1,837.5 kilograms	63.47 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 5248	100.00%	BARRICK (KALGOORLIE) LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

This data sheet relates to the Iguana frontage claims on Iguana Hill. Rock chip samples collected by Picklands Mather and Company International assayed up to 121.5g/t Au. Argosy Gold Mines NL drilled 7 holes along the Iguana reef. The best intersection was 1.25m at 7.2g/t Au and 13g/t Ag (for quartz-veined pyritic breccia). The old workings have been obliterated by excavation of the Golden Butterfly Open Cut. The production figures given here include production from the Iguana P.C., No. 1A, No. 1E, No. 1AE, No. 2E, No. 3E, No. 1S, Nos 1W to 4W, and the Iguana Hill P.C.

Web Page

Queensland Minerals

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507729 **ILLAMAHTA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 34.4 KM S OF SCARTWATER HOMESTEAD

1:100 000 sheet Number and Name: 8255 SCARTWATER

Grid Reference: Zone 55 491004 mE 7633521 mN Latitude -21.4005 Longitude 146.9132 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8257	100.00%	STRAITS GOLD PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DRUMMOND BASIN	Saint Anns Formation / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE	CARBONIFEROUS to PERMIAN

Comments

Web Page

www.straits.com.au

Queensland Minerals

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38875 **IMPERIAL LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 6.6 KM SSE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 425655 mE 7774225 mN Latitude -20.1277 Longitude 146.2887 Date Recorded: 20/February/2017

Other Names for Deposit / Mine

Imperial
Lady Bird
Ladybird
West Imperial
New Imperial
Imperial Extended
Cap
New Imperial P.C.
No. 1 East Imperial
No. 1 West Imperial
Imperial No. 1 West
No. 2 West Imperial
No. 3 West Imperial
Imperial East
Imperial Success
Black Star East
Imperial Junction
Black Star Block
Imperial South
Dan'S Claim

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Period: 1-Jan-1874 to 31-Dec-1951 13,341 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 325.9 kilograms

Published Reserves/Resources

BR 10151 Published in 2012

IMPERIAL (E07)

INFERRED MINERAL RESOURCE 1,944,000 tonnes Ore @

13.50 g/t GOLD **FOR** 26,244 Kilograms GOLD

9.00 g/t SILVER **FOR** 17,496 Kilograms SILVER

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1874	to	1901	Main production between 1893 and 1896.
1905	to	1915	Worked intermittently during this period, mostly reopening and clearing out old workings.
1931	to	1940	Ladybird mine opened in 1932 unsuccessfully and t6he Imperial and No. 2 West Imperial worked intermittently.
1946	to	1951	

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	Some of these may have been underlie shafts
INCLINED SHAFTS / DRIVES	
PITS	

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Tenure Type/Number		SHARE	Company Name/Surname
ML	1490	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Hogsflesh Creek Granodiorite / ORDOVICIAN to ORDOVICIAN
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE	CAMBRIAN

Comments

Web Page

www.citigold.com

494060 **INHERITANCE**

CARE AND MAINTENANCE

Descriptive Location: 14 KM SSE OF DUCHESS, 94 KM SSE OF MT ISA.

1:100 000 sheet Number and Name: 6855 DUCHESS

Grid Reference: Zone 54 386370 mE 7624398 mN Latitude -21.4793 Longitude 139.9032 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Trekelano

Inherited

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1900 to 31-Dec-1958

COPPER	METAL	95.0 tonnes
GOLD	BULLION	2.0 kilograms

Period: 1-Jul-2006 to 30-Jun-2010

COPPER	METAL	36,047.0 tonnes
GOLD	BULLION	994.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments
2006		Barrick Gold began mining the Inheritance orebody in the fourth quarter of 2006.

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90125	100.00%	CHINOVA RESOURCES OSBORNE PTY LTD
ML	90128	100.00%	CHINOVA RESOURCES OSBORNE PTY LTD
ML	90183	100.00%	CHINOVA RESOURCES OSBORNE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL	

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Part of the Trekelano leases. Barrick Gold Ltd approved the development of Trekelano as a satellite operation in April 2006. Three open cuts are planned. The first ore reached the Osborne concentrator in October 2006. Trekelano ore contains ~5% magnetite.

Web Page

www.barrick.com

Queensland Minerals

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479822 **INTERNATIONAL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 51.2 KM ESE OF FOREST HOME HOMESTEAD.

1:100 000 sheet Number and Name: 7561 FOREST HOME

Grid Reference: Zone 54 763555 mE 7966277 mN Latitude -18.3771 Longitude 143.4943 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

International West
International East

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period:	31-Dec-1949		24,298 tonnes HARD ROCK ORE (OR REEF)
GOLD		BULLION	753.0 kilograms
SILVER			554.5 kilograms
LEAD		MATTE	285.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17989	100.00%	CENTRAL GOLD MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Forsayth Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	BASE METAL (POLYMETALLIC)

Mineralisation Age

ORE	PALAEOZOIC

Comments

The International Reef strikes 100 degrees and dips steeply north. It comprises quartz veins with disseminated pyrite and galena. Union Mining NL extracted ore in 1996 and 1997.
The deposit is within EPM 17989, which is held by Deutsche Rohstoff Australia Pty Ltd.

Web Page

http://www.rohstoff.de

Queensland Minerals

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481241 **IRON GLEN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 14.1 KM WNW OF CALCIUM.

1:100 000 sheet Number and Name: 8258 MINGELA

Grid Reference: Zone 55 469315 mE 7830270 mN Latitude -19.6224 Longitude 146.7074 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Eastern Lode

Commodities	Size	Size Definition
IRONSTONE	SMALL	5 000 - 5 000 000 tonnes FEST
MAGNETITE	VERY SMALL	<50 000 tonnes MT
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period: 1-Jan-1955 to 31-Dec-1969

IRONSTONE 36,416.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 15654	100.00%	IRON GLEN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BURDEKIN BASIN	Fanning River Group / MIDDLE DEVONIAN to MIDDLE DEVONIAN
BURDEKIN BASIN	

Deposit Model

GENERAL OREBODY MODEL	SKARN
DETAILED OREBODY MODEL	IRON SKARN

Mineralisation Age

ORE PALAEOZOIC

Comments

Web Page

www.australiangoldholdings.com

Queensland Minerals

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493456 **IRON ISLAND**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: IRON ISLAND, PART OF THE DUKE ISLANDS, 135KM SE OF MACKAY, 215KM NNW OF GLADSTONE.

1:100 000 sheet Number and Name: 8954 PERCY ISLES

Grid Reference: Zone 56 206153 mE 7566235 mN Latitude -21.9837 Longitude 150.1544 Date Recorded: 4/August/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
MAGNETITE	SMALL	50 000 - 500 000 tonnes MT

Production Details

Period: 1-Jan-1907 to 31-Dec-1921

MAGNETITE 400,090.0 tonnes

Published Reserves/Resources

BR 136 Published in 1904

INFERRED MINERAL RESOURCE

2,000,000 Tonnes MAGNETITE

1.5 MT is above the highest tide level.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 136	1904	BALL, L.C.	CERTAIN IRON ORE, MANGANESE ORE AND LIMESTONE DEPOSITS IN THE CENTRAL AND SOUTHERN DISTRICTS OF QUEENSLAND.	GEOLOGICAL SURVEY OF QUEENSLAND, PUBLICATION 194.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1907	to	1921	Mining by Mount Morgan Gold Mining Co. Ltd for Flux.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT HOLLY SUBPROVINCE	Erebus beds / SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	IRON SKARN

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Hematite and magnetite were mined on Iron Island early in the century by Mount Morgan Gold Mining Co Ltd for flux.
Iron Island is now within the Great Barier Reef Marine Park.

Web Page

Queensland Minerals

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42507 **IRONSTONE LEASES**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 9KM SW OF MT GARNET, 110KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 292714 mE 8038869 mN Latitude -17.7276 Longitude 145.0452 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Razed
Highway
Beresford

Commodities	Size	Size Definition
FLUORITE	SMALL	50 - 50 000 tonnes FL
TIN	VERY SMALL	<100 tonnes SN

Production Details

Published Reserves/Resources

Company Report 14897 Published in 1974 **BERESFORD**
INDICATED MINERAL RESOURCE 244,700 tonnes Ore @
11.00 % FLUORITE **FOR** 26,917 Tonnes FLUORITE

Company Report 14897 Published in 1974 **BERESFORD**
INFERRED MINERAL RESOURCE 150,300 tonnes Ore @
11.00 % FLUORITE **FOR** 16,533 Tonnes FLUORITE

Company Report 14897 Published in 1974 **RAZED**
INDICATED MINERAL RESOURCE 139,300 tonnes Ore @
10.50 % FLUORITE **FOR** 14,626 Tonnes FLUORITE

Company Report 14897 Published in 1974 **RAZED**
INFERRED MINERAL RESOURCE 79,000 tonnes Ore @
10.50 % FLUORITE **FOR** 8,295 Tonnes FLUORITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	4103	33.00%	WILKINS	Maxwell John
ML	4103	33.00%	WILKINS	Robert James
ML	4103	33.00%	WILKINS	Russell Ross
ML	4104	33.00%	WILKINS	Maxwell John
ML	4104	33.00%	WILKINS	Robert James
ML	4104	33.00%	WILKINS	Russell Ross

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	Hammonds Creek Granodiorite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	IRON SKARN

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

The skarn is mainly fluorite-magnetite type grading from coarse-grained skarn to a fine-grained, banded, wrigglite type.

Queensland Minerals

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36419 **ISABEL**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 2.5KM WEST OF HERBERTON, 60KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 326114 mE 8077039 mN Latitude -17.3856 Longitude 145.3632 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Isabella

Dividend

Commodities	Size	Size Definition
SILVER	SMALL	5 - 500 tonnes AG
ZINC	SMALL	200 - 200 000 tonnes ZN
LEAD	SMALL	1000 - 100 000 tonnes PB
COPPER	SMALL	500 - 50 000 tonnes CU
TIN	SMALL	100 - 1 000 tonnes SN
INDIUM	MEDIUM	5 - 50 tonnes IN
CADMIUM	VERY SMALL	<50 tonnes CD

Production Details

Period: 1-Jan-1936 to 31-Dec-1972 367 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	6.1 tonnes
LEAD	METAL	2.9 tonnes
SILVER		137.0 kilograms

Published Reserves/Resources

BR 6260 Published in 2000 **ISABEL**

MEASURED - INDICATED MINERAL RESOURCE 48,000 tonnes Ore @ 140.00 g/t INDIUM **FOR** 6,720 Kilograms INDIUM

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6260	2000	RESOURCE INFORMATION UNIT	REGISTER OF AUSTRALIAN MINING 2000/01	

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14016	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	POLYMETALLIC AG-PB-ZN VEINS (FELSIC INTRUSION RELATED)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

In this scheme, a tungsten inner zone passes outwards to a tin zone then to a copper zone and finally a lead zone (Blake and Smith, 1970). This deposit is thought to occur within the outer lead zone.

Some authors (e.g. ERMS 23451) have proposed that the mineralisation contains characteristics of volcanogenic-type massive sulphide mineralisation.

Small pods of Ag-Pb-Zn sulphides occur along a general zone of fracturing. The mineralisation of the Herberton/Mount Garnet area is thought to be characterised by a distinct zoning related to the Elizabeth Creek Granite.

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494109 **ISENS**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 36.5KM SSW OF NEBO

1:100 000 sheet Number and Name: 8654 NEBO

Grid Reference: Zone 55 658174 mE 7567719 mN Latitude -21.9878 Longitude 148.5321 Date Recorded: 14/January/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1908 to 31-Dec-1908 81 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	24.1 tonnes
GOLD	FINE	0.3 kilograms
SILVER		26.4 kilograms

Period: 1-Jan-1909 to 31-Dec-1909 7 tonnes HARD ROCK ORE (OR REEF)

COPPER	MATTE	1.5 tonnes

Published Reserves/Resources

Company Report 30706 Published in 1971 **DISCOVERER 27**

INFERRED MINERAL RESOURCE 990,600 tonnes Ore @ 0.50 % COPPER **FOR** 4,953 Tonnes COPPER

Comments/Cut Off Factor: Includes higher grade section with 60960t at 1 to 2.4% Cu.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Three underlie shafts
STOPING	
UNDERGROUND MINING METHODS	Drives along the lode at several levels
OPEN CUT MINING	
ADITS	Short adit on northern side of Perry's underlie shaft.

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BOWEN BASIN	Back Creek Group / EARLY PERMIAN to LATE PERMIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY INTRUSION-RELATED QUARTZ VEINS & STOCKWORKS

Mineralisation Age

ORE LATE PERMIAN to CRETACEOUS

Comments

The lode formation ranged from 0.46m wide in the open cuts to 0.76m in Ryan's Shaft and 1.53m in Perry's Shaft. The formation comprises Cu ore and blocks of host rock. A lode sample from Perry's Shaft assayed 11.1% Cu, 17.5% S, 1.85g/t Au and 7.97g/t Ag. Reportedly, this mine produced some 1300t of ore that was transported to Mount Morgan for treatment.

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506141 **IVANHOE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 80KM SSE OF MT ISA, 1KM WSW OF DUCHESS

1:100 000 sheet Number and Name: 6855 DUCHESS

Grid Reference: Zone 54 381401 mE 7637709 mN Latitude -21.3587 Longitude 139.8561 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 8807 Published in 2008

IVANHOE

INFERRED MINERAL RESOURCE 830,000 tonnes Ore @

1.17 % COPPER **FOR** 9,711 Tonnes COPPER

0.18 g/t GOLD **FOR** 149 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8807	2008	GOLDMINCO CORPORATION	EXPLORATION UPDATE.	ANNOUNCEMENT TO THE TORONTO STOCK EXCHANGE, 29 FEBRUARY 2008. GOLDMINCO CORPORATION, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments
1905		First exploited in 1905 when 100-150t of high grade Cu to 35% was mined; considerable work done since but no production details available. Headframe constructed at northern end and considerable mullock raised, probably in late 1960's.

Mining Operations	Comments
SHAFTS	
PITS	
UNDERGROUND MINING METHODS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 9083	100.00%	GOLDMINCO RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Mount Erle Igneous Complex / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	VEIN CALCITE +/- CU	
DETAILED OREBODY MODEL	CU +/- AG QUARTZ VEINS	

Mineralisation Age

ORE PROTEROZOIC

Comments

Web Page

www.goldminco.com; www.barrick.com

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494243 **IVENA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 26 KM NORTH OF GUNPOWDER.

1:100 000 sheet Number and Name: 6759 MOUNT OXIDE

Grid Reference: Zone 54 331569 mE 7846279 mN Latitude -19.4709 Longitude 139.3953 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1900 to 31-Dec-1960 2,200 tonnes HARD ROCK ORE (OR REEF)

COPPER	OTHER	473.0 tonnes	21.00 percent
SILVER		77.9 kilograms	
GOLD	FINE	0.1 kilograms	

Period: 1-Jul-1968 to 30-Jun-1969 1,855 tonnes HARD ROCK ORE (OR REEF)

COPPER	OTHER	120.0 tonnes

Published Reserves/Resources

Company Report 15129 Published in 1969

INDICATED MINERAL RESOURCE 2,610 tonnes Ore @
166 Tonnes COPPER

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1938	to	1938	Worked by L J Collins and party.
1968	to	1968	Five men opened up old mine.

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	
OPEN CUT MINING	8m high x 6m long x 2.5m.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10313	100.00%	MOUNT OXIDE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT OXIDE DOMAIN	Whitworth Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED	VEIN
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER	

Mineralisation Age

ORE	PALAEOPROTEROZOIC to MESOPROTEROZOIC	

Comments

Oreshoot occurs in a narrow siliceous lode that occupies a portion of the fault zone. The prospect is held by Freehold Mining Ltd, a wholly-owned subsidiary of Perilya Mines NL.

Web Page

www.perilya.com.au

Queensland Minerals

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512752 **IVY ANN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 90KM ENE OF MOUNT ISA, 5.6KM SOUTH OF QUAMBY.

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 425731 mE 7741642 mN Latitude -20.4221 Longitude 140.2881 Date Recorded: 8/February/2016

Other Names for Deposit / Mine

Cameron River
Big Ben
Ivy Ann East
Ivy Ann West
Ivy Ann North

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 10439 Published in 2015 **IVY ANN**

INDICATED MINERAL RESOURCE 5,400,000 tonnes Ore @
0.60 % COPPER **FOR** 32,400 Tonnes COPPER
0.08 g/t GOLD **FOR** 432 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cutoff grade.

BR 10439 Published in 2015 **IVY ANN**

INFERRED MINERAL RESOURCE 2,100,000 tonnes Ore @
0.49 % COPPER **FOR** 10,045 Tonnes COPPER
0.06 g/t GOLD **FOR** 123 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cutoff grade.

BR 9895 Published in 2012 **OXIDE**

INFERRED MINERAL RESOURCE 1,240,000 tonnes Ore @
0.55 % COPPER **FOR** 6,820 Tonnes COPPER
0.08 g/t GOLD **FOR** 99 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cutoff

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10439	2015	ALTONA MINING LIMITED	ANNUAL REPORT 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, JULY 2015. ALTONA MINING LIMITED, PERTH.
BR 9895	2012	ALTONA MINING LIMITED	FURTHER RESOURCE UPGRADES AT ROSEBY PROJECT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 23 APRIL 2012. ALTONA MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Open timber and metalsheet lined shaft with galvo pipe headframe.
UNDERGROUND MINING METHODS	
PITS	One pit 8m to the SSE of the shaft and the other pit (7m long x 4m wide x 1m deep) approximately 60m to SSE of the shaft.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8059	100.00%	ROSEBY COPPER PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CONSTANTINE DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

The inferred resource at the Ivy Ann deposit will be potentially used as open cut sulphide feed for the Roseby Copper operation.
Drill intersections announced for the September 2009 quarter included 4m at 4.63% Cu and 0.52g/t Au from 52m, 30m at 0.62% Cu and 0.08g/t Au from 126 (including 10m at 1.11% Cu and 0.18g/t Au from 97m) and 7m at 1.08% Cu and 0.18g/t Au from 147m.

Web Page

www.altonamining.com

42092 **JACK GOODY**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 20KM SE OF MONTO, 110KM SOUTH OF GLADSTONE.

1:100 000 sheet Number and Name: 9148 MONTO

Grid Reference: Zone 56 340405 mE 7242976 mN Latitude -24.9200 Longitude 151.4196 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Goondicum Alluvial

Commodities	Size	Size Definition
ILMENITE	MEDIUM	5 000 000 - 10 000 000 tonnes IM
GOLD	VERY SMALL	<0.5 tonnes AU
PLATINUM	VERY SMALL	<0.5 tonnes PT
PALLADIUM	VERY SMALL	<0.5 tonnes PD

Production Details

Published Reserves/Resources

BR 7019 Published in 2003 **A ALLUVIUM**

INFERRED MINERAL RESOURCE 33,000,000 cubic metres Ore @ 4.20 % ILMENITE **FOR** 2,200,000 Tonnes ILMENITE

BR 7019 Published in 2003 **B ALLUVIUM**

INFERRED MINERAL RESOURCE 14,000,000 cubic metres Ore @ 4.60 % ILMENITE **FOR** 1,200,000 Tonnes ILMENITE

BR 7019 Published in 2003 **C ALLUVIAL**

INDICATED MINERAL RESOURCE 20,000,000 cubic metres Ore @ 5.00 % ILMENITE **FOR** 1,700,000 Tonnes ILMENITE

BR 7019 Published in 2003 **C ALLUVIAL**

INFERRED MINERAL RESOURCE 48,000,000 cubic metres Ore @ 3.60 % ILMENITE **FOR** 3,030,000 Tonnes ILMENITE

BR 7019 Published in 2003 **C ALLUVIAL**

MEASURED MINERAL RESOURCE 1,900,000 cubic metres Ore @ 4.50 % ILMENITE **FOR** 150,000 Tonnes ILMENITE

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7019	2003	MONTO MINERALS NL	MONTO MINERALS ANNUAL REPORT 2003	MONTO MINERALS NL

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
EPM 9100	100.00%	GOONDICUM RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-YARROL/SCAG / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL/ELUVIAL HEAVY MINERAL ACCUMULATION

Mineralisation Age

ORE	QUATERNARY	Alluvium.

Comments

Monto Minerals decided not to proceed with a mining lease application over this alluvial heavy mineral resource and retains tenure under EPM 9100.

Web Page

www.montominerals.com

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42067 **JACKSON**

ABANDONED MINE

Descriptive Location: 10KM SW OF CHILLAGOE AND SE OF MUNGANA. ACCESSED FROM BOLWARRA ROAD.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 225814 mE 8096969 mN Latitude -17.1957 Longitude 144.4222 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
FLUORITE	SMALL	50 - 50 000 tonnes FL

Production Details

FLUORITE	1,500.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15459	100.00%	MUNGANA GOLDMINES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Nundah Granodiorite / SILURIAN to SILURIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	FLUORITE-QUARTZ VEINS

Mineralisation Age

ORE	LATE CARBONIFEROUS to EARLY PERMIAN

Comments

The main vein worked was up to 1.8m wide. Drilling intersected fluorite veins at depth, with fluorite disseminated in altered country rock. Subparallel, siliceous lode of "bony spar" occurs about 50m west. The average grade was 85% $CaFl_2$.

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569907 **JACKSON - STELLA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 41KM EAST OF FORSAYTH

1:100 000 sheet Number and Name: 7660 FORSAYTH

Grid Reference: Zone 54 815500 mE 7939600 mN Latitude -18.6108 Longitude 143.9896 Date Recorded: 9/March/2016

Other Names for Deposit / Mine

Stella

Jackson

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
LEAD	SMALL	1000 - 100 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

BR 9176 Published in 2009 **JACKSON**

INDICATED MINERAL RESOURCE 1,100,000 tonnes Ore @

78.00 g/t SILVER **FOR** 85,800 Kilograms SILVER

4.60 % ZINC **FOR** 50,600 Tonnes ZINC

2.40 % LEAD **FOR** 26,400 Tonnes LEAD

0.10 % COPPER **FOR** 1,100 Tonnes COPPER

Comments/Cut Off Factor: 3% Zn equivalent and 4m minimum width.

2010 & 2012 figures not updated since company included Chloe resources in these figures and totals did not change much.

BR 9176 Published in 2009 **JACKSON**

INFERRED MINERAL RESOURCE 400,000 tonnes Ore @

64.00 g/t SILVER **FOR** 25,600 Kilograms SILVER

4.60 % ZINC **FOR** 18,400 Tonnes ZINC

1.40 % LEAD **FOR** 5,600 Tonnes LEAD

0.20 % COPPER **FOR** 800 Tonnes COPPER

Comments/Cut Off Factor: 3% Zn equivalent and 4m minimum mining width.

2010 figures not updated since company included Chloe resources in these figures and totals did not change much.

BR 9176 Published in 2009 **STELLA**

INFERRED MINERAL RESOURCE 400,000 tonnes Ore @

51.00 g/t SILVER **FOR** 20,400 Kilograms SILVER

3.90 % ZINC **FOR** 15,600 Tonnes ZINC

1.80 % LEAD **FOR** 7,200 Tonnes LEAD

0.20 % COPPER **FOR** 800 Tonnes COPPER

Comments/Cut Off Factor: 3% Zn equivalent and 4m minimum mining width.

2010 figures not updated since company included Chloe resources in these figures and totals did not change much.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9176	2009	COPPER STRIKE LIMITED	POSITIVE FEASIBILITY RESULTS AT EINASLEIGH.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 JUNE 2009. COPPER STRIKE LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13072	100.00%	SNOW PEAK MINING PTY LTD
ML	30217	100.00%	SNOW PEAK MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Einasleigh Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (BROKEN HILL TYPE)

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

Drilling at the Jackson Prospect, 500m west of Chloe, intersected 15m at 6.4% Zn, 5.3% Pb, 194g/t Au and 0.1% Cu from 72m and 6m at 5.3% Zn, 3.7% Pb, 154g/t Ag and 0.1% Cu from 100m.

An inferred resource was announced in August 2007. It is open to the east and partly open down-dip. The deposit is sheet-like and dips 30 to 40 degrees north. Part of the resource is shallow and is potentially open-pittable.

A feasibility study over the Einasleigh Project (including the Jackson Prospect) is expected to be completed by March 2008, including updated resources at Jackson,

In June 2009 a feasibility study was completed and reported by Copper Strike. Copper Strike believe the Einasleigh Project is a valuable asset and is confident that it will be a robust development opportunity in short to medium term (BR9176).

Web Page

http://www.kagara.com.au

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478794 **JANELLE'S HOPE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 57 KM SOUTH-SOUTH-WEST OF GREENVALE, 200KM WNW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7859 BURGES

Grid Reference: Zone 55 272115 mE 7844871 mN Latitude -19.4777 Longitude 144.8290 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
ANTIMONY	VERY SMALL	<50 tonnes SB

Production Details

Period: 1-Jan-1952 to 31-Dec-1952

STIBNITE	4.3 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GRAVEYARD CREEK SUBPROVINCE	Poley Cow Formation / EARLY SILURIAN to SILURIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)	

Mineralisation Age

ORE	DEVONIAN

Comments

This deposit has been mined for antimony. Mineralisation is associated with a brecciated quartz vein emplaced along a shear/fault zone in sediments. The lode crops out intermittently for 1km in siltsone, near the boundary with conglomerate.
A rock chip sample of the vein assayed 10% antimony. In the 1980s, companies explored for stockwork gold mineralisation around the mine area. Rock chip samples returned assay results of around 1 g/t gold.
Bulk testing of allvuium near the junction of Poley Cow Creek and the Broken River returned gold grades of 0.16 to 0.34g per cubic metre.

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487009 **JASPER BLOCK**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 107 KM EAST OF MT ISA, 1.9 KM NNE OF CLONCURRY

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 449515 mE 7712221 mN Latitude -20.6887 Longitude 140.5152 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Jasper
Ma Foi
Cave Canem
Mf14
Block 14

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
COBALT	SMALL	10 - 1 000 tonnes CO

Production Details

Published Reserves/Resources

BR 8030 Published in 2006

JASPER BLOCK

INFERRED MINERAL RESOURCE 1,400,000 tonnes Ore @

1.00 % COPPER **FOR** 14,000 Tonnes COPPER

0.04 % COBALT **FOR** 490 Tonnes COBALT

Comments/Cut Off Factor: 0.5% Cu cutoff.

Drilled to a 20x15m grid pattern. The resource figures relate to the secondary copper mineralisation that may be amenable to acid leaching.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8030	2006	EXCO RESOURCES NL	ANNUAL REPORT 2006.	EXCO RESOURCES NL, WEST PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments
	1907	Ground held by Queensland Exploration Company. Two shafts to 9.1m and 4.88m depth plus 7 trenches. Three other shafts sunk later in 1907. Progress disappointing and prospecting abandoned later in the year.

Mining Operations	Comments
TRENCHES	Trenches excavated along the ridge
OPEN CUT MINING	
SHAFTS	All old workings, now not visible.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15923	100.00%	EXCO RESOURCES (QLD) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CONSTANTINE DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Now held by Exco Resources NL as part of its Cloncurry Copper Project.

Web Page

www.excoresources.com.au

Queensland Minerals

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38102 **JEANNIE RIVER**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 94KM NW OF COOKTOWN, 235KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7868 JEANNIE RIVER

Grid Reference: Zone 55 257177 mE 8364703 mN Latitude -14.7807 Longitude 144.7441 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Jeannie River Group
Jeannie River Anomaly
Jeannie River Prospect

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Published Reserves/Resources

BR 9873 Published in 2012 **JEANNIE RIVER**

INFERRED MINERAL RESOURCE 2,240,000 tonnes Ore @ 0.60 % CASSITERITE **FOR** 13,440 Tonnes CASSITERITE

Comments/Cut Off Factor: 0.2% Sn cut off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9873	2012	CONSOLIDATED TIN MINES LIMITED	2012 EXPLORATION SEASON UNDERWAY AT MOUNT GARNET TIN PROJECT WITH 3000M DRILL PROGRAM	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE. 3RD APRIL 2012. CONSOLIDATED TIN MINES LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14580	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE	PERMIAN

Comments

Major lode systems trend 135 degrees in a highly sheared and boudinaged sequence of feldspathic sandstone, siltstone and shale.
The lodes contain abundant pyrrhotite and Sn, Cu, As, Pb and Zn mineralisation.There is a metal zonation with an outer Pb + Zn zone grading inwards and at depth to Cu + As + W. Tin occurs in both zones although the best grades are in the outer zone.
Wall rock alteration is common close to the mineralised fractures with silicification, sericitisation and propylitic all occurring. Some minor tourmalinisation has been noted.
Supersorb Environmental NL acquired the project following its acquisition of Friends Exploration Pty Ltd in the third quarter of 2006.
Stream sediment sampling and geological mapping were planned for the last quarter of 2007.
In 2012 Consolidated Tin Mines Ltd announced it reached agreement with Friends Exploration Pty Ltd to purchase 100% of the Jeannie River prospect, incorporating an Inferred resource of 2.24Mt @0.6%Sn.

Web Page

http://www.consolidatedtinmines.com.au

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481672 **JOE'S DELIGHT**

ABANDONED MINE

Descriptive Location: 35.2 KM WEST OF RAVENSWOOD, 90KM SOUTH OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 453414 mE 7773970 mN Latitude -20.1308 Longitude 146.5543 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Alma No.1
Alma
Joes Delight

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1881	to	31-Dec-1936		334 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	7.3 kilograms	21.98 grams per tonne
Period:	1-Jan-1987	to	31-Dec-1990		25,762 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	68.3 kilograms	2.65 grams per tonne
Period:	1-Jul-1992	to	30-Jun-1993		128,747 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	325.7 kilograms	2.53 grams per tonne
Period:	1-Jul-2003	to	30-Sep-2003		14,606 tonnes DUMP	
GOLD				BULLION	13.3 kilograms	0.91 grams per tonne
Period:	1-Oct-2003	to	30-Sep-2004		31,432 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	110.2 kilograms	3.51 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1881	to	1936	Mined as the Alma.
1987	to	1990	Open pit mining by North Queensland Resources.
1992	to	1993	Open pit mining by Ashton Gold from November 1992 to October 1993.
2003	to	2004	Selective open cut mining by SMC Gold Ltd from October 2003 to September 2004 to suppliment ore supplies to Rishton plant.

Mining Operations	Comments
OPEN CUT MINING	
PITS	
SHAFTS	
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Boatswain Granodiorite / LATE SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

The open cut is 250m long by 100m wide and 20m deep to water. It was mined by SMC Gold Ltd in 2003 and 2004.

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38882 **JOHN BULL LODE**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 8.8 KM SSW OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 418356 mE 7772186 mN Latitude -20.1458 Longitude 146.2188 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

John Bull Reef
South Black Jack
Black Jack Block
Black Jack South

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1886	to	31-Dec-1888		569 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	34.2 kilograms
Period:	1-Jan-1951	to	31-Dec-1951		44,255 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	1,281.2 kilograms

Published Reserves/Resources

BR 6991 Published in 2000 **JOHN BULL**

INFERRED MINERAL RESOURCE 75,600 tonnes Ore @ 8.00 g/t GOLD **FOR** 604 Kilograms GOLD

Comments/Cut Off Factor: 5g/t Au

This resource is located in a fissure in the hanging wall (East) side of the Black Jack fissure

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6991	2000	CHARTERS TOWERS GOLD MINES NL	CHARTERS TOWERS GOLD MINES NL ANNUAL REPORT 2000	CHARTERS TOWERS GOLD MINES NL

Major Mining Related Events

Year Commenced		Year Completed	Comments
1886	to	1889	
1910	to	1913	Possible reopened with Black Jack Mine by the Peter and Jack Syndicate.
1934	to	1951	South Black Jack shaft was reopened and reconditioned by the Black Jack G.M. Co, with the maximum width of ore recorded around 4m (BR 1997).

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	
PITS	Mention of surface workings in BR 2548
INCLINED SHAFTS / DRIVES	South Black Jack and Black Jack Block shafts

Tenure Type/Number		SHARE	Company Name/Surname
ML	1408	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

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588067 **JOHN HILL**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: DAWES RANGE IN THE HEADWATERS OF SOUTH GREVILLEA CREEK.

1:100 000 sheet Number and Name: 9048 SCORIA

Grid Reference: Zone 56 283520 mE 7267200 mN Latitude -24.6943 Longitude 150.8603 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Ben Hur Project

Tower Prospect

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
MOLYBDENUM	MEDIUM	5 000 - 200 000 tonnes MO
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Published Reserves/Resources

BR 10398 Published in 2014

BEN HUR (JOHN HILL)

INFERRED MINERAL RESOURCE 62,000,000 tonnes Ore @

0.30 % COPPER	**FOR**	186,000 Tonnes COPPER
1.30 g/t SILVER	**FOR**	80,600 Kilograms SILVER
0.01 % MOLYBDENUM	**FOR**	7,440 Tonnes MOLYBDENUM

Comments/Cut Off Factor: 0.24% Cu cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10398	2014	AEON METALS LIMITED	AEON METALS ANNUAL REPORT 2014	ANNOUNCEMENT OT THE AUSTRALIAN SECURITIES EXCHANGE, 29 OCTOBER 2014. AEON METALS LIMITED, GOLD COAST.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14628	100.00%	AEON METALS LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
RAWBELLE BATHOLITH	Wingfield Granite / LATE PERMIAN to EARLY TRIASSIC

Deposit Model

Mineralisation Age

ORE

Comments

In 2012 Aeon Metals reported significant intersections in DD hole 55 were 494m @ 0.22% Cu 163ppm Mo and 1.0g/t Ag: RC hole 53 had 41m @ 0.31% Cu, 18ppm Mo and 0.1g/t Ag and 125m @ 0.18% Cu, 153ppm Mo and 0.9 g/t Ag (BR10001).
In May 2012 AQR reported 494m @ 0.3% Cu Equi in DDH55 and the initial metallurgical testing confirms good flotation properties: rougher flotation recovered 91% copper, 75% Molybdenum and 65% silver (BR10001).
The bulk of mineralisation occurs as a halo of disseminated sulphide and stockwork quartz veins, hosted by monzo-granodiorite marginal to quartz-feldspar porphyry (John Hill deposit core). Ben Hur has been identified as a large mineralised copper system (cont.) with the presence of an extended chalcocite supergene zone (BR10398). After a major drilling campaign in 2012, Aeon Metals announced a maiden resource for Ben Hur for the John Hill copper-silver-molybdenum deposit component only.

Web Page

http://www.aeonmetals.com.au/

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38187 **JOHNSONS**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 9.6KM NNW OF LOCKHART RIVER TOWNSHIP, 490KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7572 CAPE WEYMOUTH

Grid Reference: Zone 54 749522 mE 8593566 mN Latitude -12.7124 Longitude 143.2978 Date Recorded: 4/January/2016

Other Names for Deposit / Mine

Johnston

Glory Hole

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
IRON	VERY SMALL	<5 000 tonnes FE
MAGNETITE	VERY SMALL	<50 000 tonnes MT

Production Details

Published Reserves/Resources

BR 6213 Published in 1995

INFERRED MINERAL RESOURCE 250,000 tonnes Ore @ 2.03 g/t GOLD **FOR** 507 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6213	1995	SWITZER, C.K.	A CASE HISTORY OF EXPLORATION ACTIVITIES IN THE IRON RANGE DISTRICT, CAPE YORK AUSTRALIA.	JAMES COOK UNIVERSITY OF NORTH QUEENSLAND, UNPUBLISHED PAPERS SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE DEGREE OF MASTERS OF SCIENCE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
IRON RANGE PROVINCE	Sefton Metamorphics / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE DEVONIAN

Comments

Johnson's Lode comprises gold in a conformable siliceous and limonitic gossan (crushed iron-bearing slate and quartz). Gold grades of 10.5ppm and 3.1ppm Au were obtained from hematitic bands over 4m and 10m widths, respectively.
The mine is now within the Iron Range Resource Reserve, which is within the Iron Range National Park.

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482255 **JOSEPH**

ABANDONED MINE

Descriptive Location: 13.4 KM WNW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8259 TOWNSVILLE

Grid Reference: Zone 55 468015 mE 7875070 mN Latitude -19.2175 Longitude 146.6957 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Bohle Central

Commodities	Size	Size Definition
SILICA SAND	SMALL	1 000 - 1 000 000 tonnes SIS

Production Details

Period: 1-Jan-1972 to 31-Dec-1983

SILICA SAND	81,225.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1972	to	1983	

Mining Operations	Comments
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	PLEISTOCENE

Comments

Web Page

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571460 **JULIA CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 14.2KM ENE OF JULIA CREEK

1:100 000 sheet Number and Name: 7256 JULIA CREEK

Grid Reference: Zone 54 587540 mE 7723030 mN Latitude -20.5897 Longitude 141.8400 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
OIL SHALE	MEDIUM	10 000 000 - 1 billion barrels OSH

Production Details

Published Reserves/Resources

BR 8422 Published in 2007 **EPM 12863**

INDICATED MINERAL RESOURCE 2,050,000,000 tonnes Ore @ 70.00 l/t OIL **FOR** 850,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 40L/t Fisher Assay cutoff grade

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8422	2007	BLUE ENSIGN TECHNOLOGIES LIMITED	ANNUAL REPORT FOR THE 12 MONTHS ENDED 31 DECEMBER 2006.	BLUE ENSIGN TECHNOLOGIES LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
MDL	379	100.00%	QUEENSLAND SHALE OIL PTY LTD
MDL	380	100.00%	QUEENSLAND SHALE OIL PTY LTD
MDL	400	100.00%	QUEENSLAND SHALE OIL PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
EROMANGA BASIN	Toolebuc Formation / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	CRETACEOUS

Comments

Blue Ensign Technologies Ltd, through its subsidiary Queensland Oil Shale Ltd, intends to set up a pilot plant in Townsville to demonstrate the Rendall Process for extracting oil from oil shale (2008).
A commercial scale plant and mining operation are planned near Julia Creek.

Web Page

www.blueensigntech.com.au

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494923 **JULIA CREEK - ALISONA-RICHMOND**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 16.5KM ENE OF JULIA CREEK, 240KM EAST OF MT ISA.

1:100 000 sheet Number and Name: 7357 KILTERRY

Grid Reference: Zone 54 622167 mE 7769813 mN Latitude -20.1651 Longitude 142.1690 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Alisona
Julia Creek
Julia Creek Vanadium-Molybdenum Prospect - Alisona-Richmond

Commodities	Size	Size Definition
VANADIUM OXIDE	LARGE	>10 000 tonnes V
MOLYBDENUM	LARGE	>200 000 tonnes MO

Production Details

Published Reserves/Resources

BR 9278 Published in 2009

ALISONA - OXIDE COQUINA

INDICATED MINERAL RESOURCE 1,930,000,000 tonnes Ore @

0.16 % VANADIUM OXIDE **FOR** 3,088,000 Tonnes VANADIUM OXIDE

0.01 % MOLYBDITE **FOR** 233,530 Tonnes MOLYBDITE

BR 10254 Published in 2013

ALISONA - SOFT OXIDE SHALE

INDICATED MINERAL RESOURCE 2,890,000,000 tonnes Ore @

0.35 % VANADIUM OXIDE **FOR** 10,115,000 Tonnes VANADIUM OXIDE

0.03 % MOLYBDITE **FOR** 838,100 Tonnes MOLYBDITE

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10254	2013	INTERMIN RESOURCES LIMITED	QUARTERLY REPORT FOR THE PERIOD ENDING 31 DECEMBER 2012	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, JANUARY 2013. INTERMIN RESOURCES LIMITED, PERTH.
BR 9278	2009	INTERMIN RESOURCES LTD	QUARTERLY REPORT FOR THE PERIOD ENDING 30 JUNE 2009.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. INTERMIN RESOURCES LTD, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
EROMANGA BASIN	Toolebuc Formation / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	CRETACEOUS

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Comments

This is a large oil shale deposit that contains a world-class vanadium resource. The Julia Creek leases were relinquished by Placer Pacific Ltd in 1990. In October 1998, Fimiston picked up an option to buy the ground and applied for more land in the area. In March 1999, the resource was upgraded and metallurgical tests produced a high-grade 2% vanadium pentoxide concentrate using soft oxide coquina through a process of wet screening and follow-up hydrocylone treatment of a bulk sample. Leaching tests were unsuccessful with acid but were successful with an alkaline leaching agent at 250 degrees C. However, reagent recovery was poor, as were the project economics.

Vanadium occurs mainly in clay minerals, but also in organic compounds, pyrite and goethite. The economic resource is in the upper portion, where oxidation has enriched the vanadium content and made the limestone-clay mix soft, friable and easy to mine and beneficiate. This soft oxide coquina averages 0.25% V_2O_5. It can be concentrated to 1.4% V_2O_5 by simple scrubbing, screening and cycloning. Recoveries of 85% V_2O_5 have been achieved by an alkaline pressure leach method.

Purification by solvent extraction can produce a 99.6% V_2O_5 product. Fimiston reported that the proposed Stage 1 development would provide a 20 year life at a production rate of 5000t of V_2O_5 per annum from 4Mtpa of ore from a resource within 10km of the proposed plant site. Intermin Resources Ltd has now taken over the project.

Metallurgical testing has shown that an 80% recovery of metals from concentrates can be achieved with relatively low-cost leaching processes. The resource averages 0.37% V_2O_5 and 300g/t MoO_3 and the company plans to produce both vanadium and molybdenum.

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496579 **JULIA CREEK -SOUTH**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 25KM NNE OF JULIA CREEK, 230KM EAST OF MT ISA.

1:100 000 sheet Number and Name: 7257 WYALDRA

Grid Reference: Zone 54 580621 mE 7740166 mN Latitude -20.4351 Longitude 141.7728 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Southern Proposed Pit

Julia Creek Oil Shale

Commodities	Size	Size Definition
OIL SHALE	LARGE	> 1 000 000 000 barrels OSH

Production Details

Published Reserves/Resources

BR 8833 Published in 2008 **JULIA CREEK OIL SHALE**

INDICATED MINERAL RESOURCE

240,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: In-situ resource

BR 8833 Published in 2008 **JULIA CREEK OIL SHALE**

INFERRED MINERAL RESOURCE

1,875,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: In-situ resource

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8833	2008	XTRACT ENERGY PLC	INTERIM RESULTS FOR THE SIX MONTHS ENDED 31 DECEMBER 2007.	ANNOUNCEMENT TO THE LONDON STOCK EXCHANGE, 28 MARCH 2008. XTRACT ENERGY PLC, LONDON.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
EROMANGA BASIN	Toolebuc Formation / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL OIL SHALE

Mineralisation Age

ORE CRETACEOUS

Comments

The tenements covering the Julia Creek oil shales are held by Intermin Resources Ltd. In September 2005, Intermin assigned the rights to mine and process the shale oil to Xtract Energy Plc.

In November 2000, Fimiston Mining NL announced the results from 3 drillholes in the area known as the Southern Proposed Pit. The average oil grade from these holes was 73.18L/t with average moisture content 10.5%.

Xtract Oil, a wholly owned subsidiary of Xtract Energy Plc, are developing a method to extract the oil using solvent extraction techniques, which could double the estimated resource.

Web Page

www.xtractenergy.co.uk

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571465 **JULIA CREEK-ST ELMO-BURWOOD**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 27KM NE OF JULIA CREEK

1:100 000 sheet Number and Name: 7256 JULIA CREEK

Grid Reference: Zone 54 592220 mE 7725138 mN Latitude -20.5704 Longitude 141.8848 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Julia Creek Vanadium-Molybdenum Prospect - St Elmo-Burwood
St Elmo
Burwood
Manfred
Wyaldra
Sunny Plains

Commodities	Size	Size Definition
VANADIUM OXIDE	LARGE	>10 000 tonnes V
MOLYBDENUM	LARGE	>200 000 tonnes MO

Production Details

Published Reserves/Resources

BR 9278 Published in 2009

ST ELMO - BURWOOD COQUINA

INDICATED MINERAL RESOURCE 1,068,913,926 tonnes Ore @

0.18 % VANADIUM OXIDE **FOR** 1,924,045 Tonnes VANADIUM OXIDE

0.02 % MOLYBDITE **FOR** 165,681 Tonnes MOLYBDITE

BR 9278 Published in 2009

ST ELMO - BURWOOD SOFT OXIDE

INDICATED MINERAL RESOURCE 1,032,420,060 tonnes Ore @

0.40 % VANADIUM OXIDE **FOR** 4,129,680 Tonnes VANADIUM OXIDE

0.03 % MOLYBDITE **FOR** 321,082 Tonnes MOLYBDITE

rounded figures only in BR10254 => refered to original

BR 9278 Published in 2009

ST ELMO - BURWOOD SOFT OXIDE

INFERRED MINERAL RESOURCE 772,308,000 tonnes Ore @

0.39 % VANADIUM OXIDE **FOR** 3,012,001 Tonnes VANADIUM OXIDE

0.04 % MOLYBDITE **FOR** 297,338 Tonnes MOLYBDITE

rounded figures only in BR10254 => refered to original

BR 10254 Published in 2013

ST ELMO - BURWOOD SOFT OXIDE

MEASURED MINERAL RESOURCE 204,339,392 tonnes Ore @

0.40 % VANADIUM OXIDE **FOR** 817,357 Tonnes VANADIUM OXIDE

0.03 % MOLYBDITE **FOR** 61,301 Tonnes MOLYBDITE

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10254	2013	INTERMIN RESOURCES LIMITED	QUARTERLY REPORT FOR THE PERIOD ENDING 31 DECEMBER 2012	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, JANUARY 2013. INTERMIN RESOURCES LIMITED, PERTH.
BR 9278	2009	INTERMIN RESOURCES LTD	QUARTERLY REPORT FOR THE PERIOD ENDING 30 JUNE 2009.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. INTERMIN RESOURCES LTD, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
EROMANGA BASIN	Toolebuc Formation / EARLY CRETACEOUS to EARLY CRETACEOUS

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Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	CRETACEOUS	Oxidised coquina and calcareous oil-rich shale with high vanadium contents. Research by Fimiston indicated that the top 5 to 15m of the oil- and vanadium-rich shale has been leached of oil and enriched in vanadium.

Comments

Intermin Resources Ltd has carried out resource drilling fir the St Elmo-Burwood Zone of its Julia Creek Vanadium-Molybdenum project. Metallurgical testwork is continuing.

Lower grade Coquina mineralisation immediately overlies the Soft Oxide shale and has been estimated to contain an additional 1068.9Mt of material grading 0.18% V2O5 and 155g/t Mo.

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578078 **JULIVON CREEK**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 58.5KM S OF BOWEN

1:100 000 sheet Number and Name: 8556 URANNAH

Grid Reference: Zone 55 635450 mE 7728300 mN Latitude -20.5392 Longitude 148.2993 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Julivon Creek Prospect

Andromache Prospect

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
MOLYBDENUM	SMALL	50 - 5 000 tonnes MO

Production Details

Published Reserves/Resources

Company Report 4538 Published in 1972

INFERRED MINERAL RESOURCE 35,000,000 tonnes Ore @

0.16 % COPPER **FOR** 54,600 Tonnes COPPER

0.01 % MOLYBDENUM **FOR** 3,850 Tonnes MOLYBDENUM

To 300m depth. Extent of mineralisation poorly known.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
URANNAH BATHOLITH	Hecate Granite / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU

Mineralisation Age

ORE	CRETACEOUS

Comments

Prophyry copper-molybdenum system with fracture-controlled sulphide mineralisation associated with quartz veinlets. Extent of mineralisation poorly defined.

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36434 **JUMNA**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 3.6 KM NNE OF IRVINEBANK, 70KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 311164 mE 8075399 mN Latitude -17.3992 Longitude 145.2224 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Period: 1-Jan-1896 to 31-Dec-1983 41,857 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 468.0 tonnes

Published Reserves/Resources

BR 6053 Published in 1999 **JUMNA TAILS**

INFERRED MINERAL RESOURCE 150,000 tonnes Ore @ 0.35 % CASSITERITE **FOR** 525 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1972	to	1983	Mined by Loloma.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	20389	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Mineralisation at Jumna comprises two major cassiterite-bearing pipe-shaped orebodies localised along a single major fracture system.
Several subsidiary orebodies are associated with the main orebodies.
The mineralisation appears to have been formed partly as open space filling and partly as replacement.

Web Page

www.nqm.com.au

Queensland Minerals

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490850 **JUNNAGUNNA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 18.7KM SOUTH-WEST OF WESTMORELAND, 350KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6563 WESTMORELAND

Grid Reference: Zone 54 196721 mE 8065865 mN Latitude -17.4728 Longitude 138.1445 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U

Production Details

Published Reserves/Resources

BR 9289 Published in 2009 **JUNNAGUNNA**

INDICATED MINERAL RESOURCE 4,364,750 tonnes Ore @ 0.08 % URANIUM OXIDE **FOR** 3,535 Tonnes URANIUM OXIDE

NI 43-101 compliant

BR 9289 Published in 2009 **JUNNAGUNNA**

INFERRED MINERAL RESOURCE 2,149,500 tonnes Ore @ 0.08 % URANIUM OXIDE **FOR** 1,612 Tonnes URANIUM OXIDE

NI 43-101 compliant

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9289	2009	LARAMIDE RESOURCES LTD	LARAMIDE ANNOUNCES UPDATED NI 43-101 COMPLIANT RESOURCES REPORT ON WESTMORELAND.	ANNOUNCEMENT TO THE TOTONTO STOCK EXCHANGE, 23 APRIL 2009. LARAMIDE RESOURCES LTD, TORONTO.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14558	100.00%	TACKLE RESOURCES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Westmoreland Conglomerate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	UNCONFORMITY-RELATED DEPOSIT
DETAILED OREBODY MODEL	UNCONFORMITY U-AU (VEIN-TYPE U)

Mineralisation Age

ORE	NEOPROTEROZOIC	Dating of nine uraniferous samples from the Westmorland area indicates one mineralisation event at 812+-55Ma (Schindlmayr & Beerbaum, 1986).

Comments

This prospect discovered by Queensland Mines Ltd in 1976 from drilling of soil radon anomalies. It is now held by Canadian company Laramide Resources Ltd.

Drilling intersections announced in 2008 included 11m at 0.21% U3O8 from 52m, 10m at 0.36% U3O8 from 82m, 33m at 0.11% U3O8 from 68m, 10m at 0.39% U3O8 from 99m and 25m at 0.17% U3O8 from 24m.

The ANSTO report concluded that high recoveries were achieved from all 4 tested areas using conventional uranium processing route. (Conventional leaching conditions were 55wt% solids, 40deg C, pH 1.5, P80 of 250µm and ORP of 500mV). These conditions ...

(ANSTO cont.) yielded uranium extraction at 97% for the tested ores from Redtree and Junnagunna, with acid additions of only 18 and 14kg/t for Junnagunna and Redtree, respectively. Also the predicted pyrolusite requirements were low at 3.0kg/t for both.

Web Page

www.laramide.com

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490857 **JUNNAGUNNA SOUTH**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 19.8 KM SOUTH-WEST OF WESTMORELAND, 350KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6563 WESTMORELAND

Grid Reference: Zone 54 196021 mE 8064965 mN Latitude -17.4808 Longitude 138.1378 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U

Production Details

Published Reserves/Resources

Company Report 7086 Published in 1979 **JUNNAGUNNA SOUTH**

INFERRED MINERAL RESOURCE 545,454 tonnes Ore @ 0.06 % URANIUM OXIDE **FOR** 299 Tonnes URANIUM OXIDE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14558	100.00%	TACKLE RESOURCES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Westmoreland Conglomerate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	UNCONFORMITY-RELATED DEPOSIT
DETAILED OREBODY MODEL	UNCONFORMITY U-AU (VEIN-TYPE U)

Mineralisation Age

ORE	NEOPROTEROZOIC	Dating of nine uraniferous samples, from the Westmoreland area indicates one major mineralising event at 812+-55Ma (Schindlmayr & Beerbaum, 1986).

Comments

This prospect is held by Canadian company Laramide Resources Ltd, which has acquired Tackle Resources Pty Ltd.

Web Page

www.laramide.com; www.uic.com.au

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479628 **KAISER BILL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 6.3 KM WEST-SOUTH-WEST OF EINASLEIGH, 235KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7760 EINASLEIGH

Grid Reference: Zone 55 187120 mE 7948930 mN Latitude -18.5270 Longitude 144.0366 Date Recorded: 9/March/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG
GOLD	SMALL	0.5 - 5 tonnes AU
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Period: 1-Jan-1909 to 31-Dec-1922 37 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	2.3 tonnes
SILVER		0.8 kilograms

Published Reserves/Resources

BR 10071 Published in 2012 **KAISER BILL**

INDICATED MINERAL RESOURCE 13,500,000 tonnes Ore @

0.84 % COPPER **FOR** 113,400 Tonnes COPPER

6.00 g/t SILVER **FOR** 81,000 Kilograms SILVER

0.13 g/t GOLD **FOR** 1,755 Kilograms GOLD

Comments/Cut Off Factor: 0.4% Cu cutoff.
grade decimals from BR9578

BR 10071 Published in 2012 **KAISER BILL**

INFERRED MINERAL RESOURCE 1,500,000 tonnes Ore @

11.00 g/t SILVER **FOR** 16,500 Kilograms SILVER

0.85 % COPPER **FOR** 12,750 Tonnes COPPER

0.08 g/t GOLD **FOR** 120 Kilograms GOLD

Comments/Cut Off Factor: 0.4% Cu cutoff
grade decimals from BR9578

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10071	2012	KAGARA MINING	OPPORTUNITY TO ACQUIRE KAGARA LIMITED'S NORTH QUEENSLAND ASSETS	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 14 SEPTEMBER 2012 KAGARA MINING, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1909	to	1922	Intermittent mining.

Mining Operations	Comments
OPEN CUT MINING	
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13072	100.00%	SNOW PEAK MINING PTY LTD
ML	30211	100.00%	SNOW PEAK MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Einasleigh Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (BROKEN HILL TYPE)
DETAILED OREBODY MODEL	COPPER SKARN

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

The Einasleigh metamorphics host numerous base metal occurrences that are thought to be stratabound and/or stratiform, with some remobilisation into crosscutting shears.

In regional terms these deposits tend to be concentrated at a common stratigraphic level with the Einasleigh Metamorphics at the transition between a lower, dominantly calcareous psammitic sequence and an upper psammopelitic sequence.

The inferred-indicated resource of 15.6Mt @ 0.88% Cu, 0.13g/t Au & 7.2g/t Ag includes 0.7Mt oxide ore @ 0.66% Cu, 0.07g/t Au & 6.3g/t Ag, 0.2Mt transition ore @ 0.71% Cu, 0.08g/t Au & 6.3g/t Ag and 14.7Mt sulphide ore @ 0.89% Cu, 013g/t Au & 7.2g/t Ag.

Copper Strike believes that Kaiser Bill, which is 8km from Einasleigh, has the potential for a sizeable open cut mine.

September 2006 - Copper Strike announced infill results including 21m @ 0.95% Cu, 0.06g/t Au, 2.7g/t Ag from 24m; 31m @ 1.11% Cu, 0.13g/t Au, 3.6g/t Ag from 27m; 14m @ 1.14% Cu, 0.16g/t Au, 3.0g/t Ag from 58m; & 13m @ 1.21%Cu, 0.15g/tAu, 5.7g/t g from 34m

In February 2007, Copper Strike announced a favourable outcome from a feasibility study that would see 8.16Mt at 0.82% Cu, 0.11g/t Au and 5g/t Ag mined from an open cut at Kaiser Bill from 2009. A 1.5Mtpa processing plant will be built at Kaiser Bill.

Drilling results announced in July 2007 confirmed an increase in grades in the deeper, western part of the deposit.

Intersections announced in July 2008 included 10m at 2.82% Cu, 20g/t Ag and 0.15g/t Au from 214m and 48m at 0.88% Cu, 4g/t Ag and 0.18g/t Au from 170m. An upgraded resource figure was announced in December 2008.

In June 2010 Copper Strike reports drill hole KB107 intersecting 3 major zones of mineralisation: 14m @ 0.76% Cu, 4.3g/t Ag, & 0.07g/t Au from 300m; 15m @ 0.83% Cu, 6.5g/t Ag & 0.05g/t Au from 339m; 8m @ 0.88% Cu, 13.1g/t Ag & 0.01g/t Au from 358m (BR9577

Copper Strike Ltd has completed a feasibility study that indicates positive results for a project based on a 1.8Mtpa production facility at Kaiser Bill that initially focuses on Cu-Au-Ag production from Kaiser Bill and Einasleigh.

This will be followed by Zn-Pb-Ag open cut production when the copper ore is exhausted.

In Sept 2010 Copper Strike reports that Kaiser Bill is still open down dip and down plunge with significant results confirming extensions: KB144: 5m @ 1.22% Cu, 10.2g/t Ag & 0.01g/t Au from 196m; 2m @ 0.74% Cu, 9.4g/t Ag & 0.08g/t Au from 234m.

(Sept 2010 - cont) 7m @ 0.62% Cu, 3.4g/t Ag & 0.05g/t Au from 271m; 29m @ 0.61% Cu, 4.1g/t Ag & 0.10g/t Au from 285m; KB107 (combined intercepts: 41m @ 0.8% Cu); KB142: 2m @ 0.74% Cu, 9.5g/t Ag & 0.01g/t Au; 4m @ 0.85% Cu, 8.9g/t Ag & 0.04g/t Au; (BR9578)

Web Page

http://www.kagara.com.au

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494068 **KALKADOON**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 0.8KM N OF THE MOUNT CUTHBERT MINE

1:100 000 sheet Number and Name: 6858 ALSACE

Grid Reference: Zone 54 386416 mE 7790201 mN Latitude -19.9814 Longitude 139.9143 Date Recorded: 20/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
LIMESTONE	VERY SMALL	<100 000 tonnes LST

Production Details

Period:	31-Dec-1936			50,751	tonnes HARD ROCK ORE (OR REEF)
COPPER			OTHER	3,865.3 tonnes	7.60 percent
GOLD			BULLION	1.2 kilograms	0.02 grams per tonne
Period: 1-Jan-1956	to	31-Dec-1956		318	tonnes HARD ROCK ORE (OR REEF)
LIMESTONE			OTHER	318.0 tonnes	
Period: 1-Jan-1971	to	31-Dec-1971		8	tonnes HARD ROCK ORE (OR REEF)
COPPER			OTHER	0.5 tonnes	6.00 percent

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1912	to	1912	Main shaft to 51.82m and timbered to 50.59m. Temporary headgear erected and small winch and boiler installed. Winding gear and headframe originally came from the Good Hope gold mine at Charters Towers.
1913	to	1913	Drives put in to the north and south on the 45.72m level. Ore in the south drive assayed 17% Cu. Main shaft was now down to 86.87m and timbered to 76.2m. No water encountered.
1919	to	1919	Development of the 45.7m, 76.2m and 106.7m levels continued. Lack of explosives slowed development.
1920	to	1920	Stoping on all levels continued.

Mining Operations	Comments
OPEN CUT MINING	The original main open cut was up to 30m wide by 24.4m long by 13.7m deep. The northern open cut was 27.4m long by 15.2m wide.
SHAFTS	Main shaft has collapsed.
UNDERGROUND MINING METHODS	3 winzes sunk from drives.
STOPING	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	2747	100.00%	MALACO LEICHHARDT PTY LTD
ML	2748	100.00%	MALACO LEICHHARDT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KALKADOON-LEICHHARDT DOMAIN	Leichhardt Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	PROTEROZOIC

Comments

At the northern end, the workings (1 shaft and open cut) are in kaolinised chlorite schist. Two shafts occur in an open cut at the southern end.

In the main open cut, the lode was 15.2m wide, divided into a hanging wall and a footwall by a band of hornblende schist. The lode pinches out to 1.22m wide in the open cut. South of the main open cut, there is a promising outcrop of silica breccia.

The original workings on ML 70 consisted of 5 shafts (deepest to 18.3m) and 2 trenches.

Web Page

www.matrixmetals.com.au

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43610 **KALMAN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 36 KM NNE OF DUCHESS, 61KM SE OF MOUNT ISA.

1:100 000 sheet Number and Name: 6855 DUCHESS

Grid Reference: Zone 54 392667 mE 7672421 mN Latitude -21.0459 Longitude 139.9670 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Kalman South

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
MOLYBDENUM	MEDIUM	5 000 - 200 000 tonnes MO
GOLD	MEDIUM	5 - 50 tonnes AU
RHENIUM		
SILVER	SMALL	5 - 500 tonnes AG
URANIUM	VERY SMALL	<100 tonnes U

Production Details

Published Reserves/Resources

BR 10537 Published in 2016 **KALMAN OPEN PIT**

INDICATED MINERAL RESOURCE 7,100,000 tonnes Ore @

0.48 % COPPER	**FOR**	34,080 Tonnes COPPER
1.40 g/t SILVER	**FOR**	9,940 Kilograms SILVER
0.12 % MOLYBDENUM	**FOR**	8,520 Tonnes MOLYBDENUM
0.27 g/t GOLD	**FOR**	1,917 Kilograms GOLD
0.00 % RHENIUM	**FOR**	20 Tonnes RHENIUM

Comments/Cut Off Factor: 0.75% CuEq cut off

BR 10537 Published in 2016 **KALMAN OPEN PIT**

INFERRED MINERAL RESOURCE 6,200,000 tonnes Ore @

0.44 % COPPER	**FOR**	27,280 Tonnes COPPER
0.15 % MOLYBDENUM	**FOR**	9,300 Tonnes MOLYBDENUM
1.50 g/t SILVER	**FOR**	9,300 Kilograms SILVER
0.24 g/t GOLD	**FOR**	1,488 Kilograms GOLD
0.00 % RHENIUM	**FOR**	24 Tonnes RHENIUM

Comments/Cut Off Factor: 0.75% CuEq cut off

BR 10537 Published in 2016 **KALMAN UNDERGROUND**

INFERRED MINERAL RESOURCE 7,000,000 tonnes Ore @

0.89 % COPPER	**FOR**	62,300 Tonnes COPPER
2.90 g/t SILVER	**FOR**	20,300 Kilograms SILVER
0.16 % MOLYBDENUM	**FOR**	11,200 Tonnes MOLYBDENUM
0.50 g/t GOLD	**FOR**	3,500 Kilograms GOLD
0.00 % RHENIUM	**FOR**	31 Tonnes RHENIUM

Comments/Cut Off Factor: 1.4% CuEq cut off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10537	2016	HAMMER METALS LIMITED	ANNUAL REPORT 2016	ANNOUCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 28 OCTOBER 2016. HAMMER METALS LIMITED LTD, MT LAWLEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13870	100.00%	MT. DOCKERELL MINING PTY LTD
EPM	14232	100.00%	MT. DOCKERELL MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Drilling has intersected significant zones of pervasive Cu mineralisation associated with silicification and red-rock alteration. Zones of higher grade Cu-Au occur mainly in the hanging wall. Mo-U mineralisation occurs in the core of the structure.
Drillhole K19 intersected 329m downhole at 0.46% Cu, 0.23% molybdenite, 0.22g/t Au and 0.01% U3O8, including 48m at 0.23% Cu, 1.04% molybdenite, 0.16g/t Au and 0.03% U3O8.
Drillhole K20 intersected 339m downhole at 0.54% Cu, 0.11% molybdenite, 0.29g/t Au and 0.02% U3O8, including 73m at 0.22% Cu, 0.43% molybdenite, 0.13g/t Au and 0.09% U3O8.
Mineralisation is hosted by quartz-veined shears cutting black shale and calcsilicate of the Corella Formation along the Pilgrim Fault. A 2m wide quartz vein in outcrop quickly diffuses at depth into a 100-150m wide zone of intense silicification.
Drilling results announced in December 2008 included 90m at 0.34% Cu, 0.06g/t Au, 0.16% MoS2 and 2.8g/t Re from 490m, 54m at 0.38% Cu, 0.22g/t Au and 0.03% MoS2 from 309m, and 89m at 0.22% Cu and 0.05g/t Au from 303m. Average Re grades are 7.8g/t.
The prospect was explored by Mt Dockerell Mining Pty Ltd, a wholly-owned subsidiary of Cerro Resources NL (formerly Kings Minerals NL). In 2013 Midas Resources acquired the project. Midas because Hammer Metals Ltd in 2014.
In the September 2007 quarter, Kings Minerals identified a dextral fault at the northern end of the prospect that is interpreted to displace the mineralisation 150m to the east. The company is exploring the faulted extension.
Drillhole K-30 intersected 59m at 0.19% MoS2, 0.73% Cu and 0.67g/t Au from 173m, including 8m at 0.21% MoS2, 0.21% Cu and 0.01g/t Au from 243m.
Significant Re grades of up to 59ppm (average 1.6g/t) have been found associated with the higher Mo grades. Re only occurs in association with molybdenite and shows a strong positive correlation with Mo grades.
Drillhole K-23 intersected 190m at 0.16% MoS2, 0.39% Cu and 0.36g/t Au from 243m (including 48m at 0.48% MoS2, 0.56% Cu, 0.98g/t Au and 2.4g/t Ag from 281m and 5m at 1.48% MoS2, 2.18% Cu, 8.37g/t Au and 10.8g/t Ag from 323m).
Drillhole K-106A, announced in July 2008, intersected a massive chalcopyrite section of 7.65m at 23.4% Cu, 0.51g/t Au and 20g/t Ag from 581.65m.
Metallurgical testing continued in the June 2009 quarter when 10 samples were submitted for comminution and flotation test work.
In the Syndicated Metals Annual Report 2010 metallurgical floatation testwork completed indicated excellent recoveries of all valuable metals from samples from the two mineralsied domains (copper rich and molybdenium rich) in the deposit (BR9528).
The 2010 metallurgical testwork yielded a copper-gold concentrate and a molybdenum concentrate (BR 9528).

Web Page

http://www.hammermetals.com.au/

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40786 **KANGAROO CREEK**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 64KM SW OF MUNGANA, 185KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7762 LYNDBROOK

Grid Reference: Zone 55 185486 mE 8060316 mN Latitude -17.5213 Longitude 144.0380 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Marjorie Ellen
Blue Buck
Golden Casket
Lady Red
Lady White

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Period:	1-Jan-1980	to	31-Dec-1988	
CASSITERITE				401.3 tonnes
Period:	1-Jul-2001	to	30-Jun-2002	
CASSITERITE				2.2 tonnes
Period:	1-Jul-2004	to	30-Jun-2005	
CASSITERITE				18.4 tonnes
Period:	1-Jul-2005	to	30-Jun-2006	
CASSITERITE				0.0 tonnes

Published Reserves/Resources

KANGAROO CREEK

INFERRED MINERAL RESOURCE 1,000,000 cubic metres Ore @ 0.70 kg/m*3 CASSITERITE **FOR** 700 Tonnes CASSITERITE

Comments/Cut Off Factor: Not reported.

1 to 3 million bank cubic metres at 0.7kg/m3 cassiterite. Sourced from MINMET online database 27/3/1999.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
DREDGING	
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5115	100.00%	DRAGON METALS PTY LTD
ML	5134	100.00%	DRAGON METALS PTY LTD
ML	5135	100.00%	DRAGON METALS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	QUATERNARY

Comments

Alluvial tin has been worked extensively along a large stretch of the main channel and its northern tributaries. The Kangaroo Creek project covers Kangaroo Creek and Dickson Creek. Previous mining was of eluvium on creek margins.

The Kangaroo Creek tin mine is part of a joint venture announced in June 2008 between Republic Gold Limited and Staldor Mining Pty Ltd.

A total of 116 aircore holes were drilled in the second half of 2008 to define the extent and depths of the tin-bearing sands. Cassiterite, ilmenite, zircon, monazite and garnet were recovered.

Web Page

www.republicgold.com.au

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43995 **KASSULKE'S QUARRY**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 10.2 KM NW OF STANTHORPE, 160KM SW OF BRISBANE.

1:100 000 sheet Number and Name: 9240 STANTHORPE

Grid Reference: Zone 56 390626 mE 6838456 mN Latitude -28.5761 Longitude 151.8816 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BUILDING STONE	LARGE	>10 000 000 tonnes BLST
GRANITE	LARGE	>1 000 000 tonnes GR

Production Details

Published Reserves/Resources

BR 2525 Published in 1992

KASSULKE'S QUARRY

INFERRED MINERAL RESOURCE

10,000,000 Tonnes GRANITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 2525	1992	RAY, H., & TREZISE, D.	GRANITE DIMENSION STONE IN THE NEW ENGLAND GRANITE BELT.	IN WILLMOTT, W.F. (EDITOR): REGIONAL AND ECONOMIC GEOLOGY OF THE NEW ENGLAND DISTRICT. 1992 FIELD CONFERENCE, GEOLOGICAL SOCIETY OF AUSTRALIA, QUEENSLAND DIVISION, BRISBANE, 22-27.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NEW ENGLAND BATHOLITH	Ruby Creek Granite / EARLY TRIASSIC to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL INTRUSIVE-RELATED (PORPHYRY-RELATED)

Mineralisation Age

ORE TRIASSIC

Comments

The holocrystalline granite has a uniform, medium to coarse-grained texture, and grades from yellow to beige-pink vertically. It has a bright black mica fleck and well formed, shiny feldspar crystals in a clear quartz base.

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490602 **KAUFFMANS PROSPECT**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: WORKINGS SITUATED ON THE CREST OF LOW RIDGE SOUTH OF COOPER DOWNS HOMESTEAD.

1:100 000 sheet Number and Name: 8949 BANANA

Grid Reference: Zone 56 206004 mE 7321895 mN Latitude -24.1881 Longitude 150.1061 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Rannes
Rannes Project
Kauffman Diggings
Suloman

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG
COPPER	VERY SMALL	<500 tonnes CU
MOLYBDENUM	VERY SMALL	<50 tonnes MO

Production Details

Published Reserves/Resources

BR 10038 Published in 2012

KAUFFMANS-HOMESTEAD PROSPECT

INDICATED MINERAL RESOURCE 2,300,000 tonnes Ore @

8.60 g/t SILVER **FOR** 19,780 Kilograms SILVER

0.63 g/t GOLD **FOR** 1,449 Kilograms GOLD

Comments/Cut Off Factor: 0.3g/t Au equivalent.

BR 10038 Published in 2012

KAUFFMANS-HOMESTEAD PROSPECT

INFERRED MINERAL RESOURCE 6,200,000 tonnes Ore @

7.30 g/t SILVER **FOR** 45,260 Kilograms SILVER

0.54 g/t GOLD **FOR** 3,348 Kilograms GOLD

Comments/Cut Off Factor: 0.3g/t Au equivalent.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10038	2012	SOLGOLD PLC	RANNES RESOURCE ESTIMATE UPDATE	REPORT TO THE AUSTRALIAN STOCK EXCHANGE. 23 MAY 2012, SOLGOLD PLC

Major Mining Related Events

Year Commenced	Year Completed	Comments
1900		This area was worked for gold around the 1900's.

Mining Operations	Comments
SHAFTS	
PITS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
AUBURN SUBPROVINCE	Camboon Volcanics / LATE CARBONIFEROUS to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	

Mineralisation Age

ORE

Comments

Web Page

http://www.solomongold.com

Queensland Minerals

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504664 **KELLS GYPSUM**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 110KM SW OF WINTON, 340KM SOUTH OF MT ISA

1:100 000 sheet Number and Name: 7251 BRIGHTON DOWNS

Grid Reference: Zone 54 598447 mE 7455824 mN Latitude -23.0029 Longitude 141.9606 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Kells One

Commodities	Size	Size Definition
GYPSUM	SMALL	5 000 - 5 000 000 tonnes GYP

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	95236	100.00%	ZINABACK PTY. LTD.
ML	95509	100.00%	ZINABACK PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
	Old Cork beds / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	EVAPORITE DEPOSIT

Mineralisation Age

ORE	TERTIARY

Comments

Web Page

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489892 **KEN BROWN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 15.2KM NW OF QUAMBY

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 413445 mE 7756690 mN Latitude -20.2856 Longitude 140.1711 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

BR 7617 Published in 2004 **KEN BROWN**

INFERRED MINERAL RESOURCE 4,000,000 tonnes Ore @ 0.80 % COPPER **FOR** 32,000 Tonnes COPPER

Comments/Cut Off Factor: Cutoff of 0.5% copper

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7617	2004	UNIVERSAL RESOURCES LIMITED	UNIVERSAL RESOURCES LIMITED 2004 ANNUAL REPORT	UNIVERSAL RESOURCES LIMITED

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	Minor gouging on outcrops.

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Mount Roseby Schist / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Little open file information exists on this resource. It forms part of Altona Mining Limited's Roseby Copper Project.
The oxide ore contains native copper (50 to 70%), copper in clays and micas (30 to 40%), and chalcocite (<10%), and is the result of weathering of primary stratabound sulphide deposits containing bornite and chalcopyrite.

Web Page

www.altonamining.com

Queensland Minerals

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38279 **KENDALL RIVER**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 105KM WEST OF COEN, 460KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7369 KENDALL RIVER

Grid Reference: Zone 54 630527 mE 8451732 mN Latitude -14.0018 Longitude 142.2086 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
KAOLIN / KAOLINITE	LARGE	>20 000 000 tonnes KAO

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10179	100.00%	GULF MINERALS PTY LIMITED
EPM	10180	100.00%	GULF MINERALS PTY LIMITED
ML	20343	100.00%	GULF MINERALS PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC KAOLIN

Mineralisation Age

ORE	CENOZOIC

Comments

Kaolin deposits occur beneath bauxitic profiles in western Cape York. Kendall Resources Ltd and Sigma Resources Pty Ltd investigated the development of the Kendall River kaolin deposit, which has drilled in situ resource of 100Mt.

The kaolin has been tested in Australia, the USA and Europe. It has proved to be world-class and is suitable for a wide range of applications, including paper and pigment.

Sigma Resources Ltd withdrew from the JV in 2004 due to funding issues.

In 2005, The Queensland Department of Natural Resources, Mines and Water reported that Kendall River contains an inferred resource of 100Mt kaolinite (BR 7968). This is larger than the confidential resource reported by Gulf Minerals Pty Ltd (ERMS 30686).

Web Page

Queensland Minerals

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479629 **KIDSTON**

ABANDONED MINE

Descriptive Location: 40.7 KM SOUTH OF EINASLEIGH, 255KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7760 EINASLEIGH

Grid Reference: Zone 55 199915 mE 7910570 mN Latitude -18.8751 Longitude 144.1519 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Wise'S Hill
Wise'S Pit
North'S Knob
North Knob
Mack'S Knob
The Oaks
Eldridge

Commodities	Size	Size Definition
GOLD	LARGE	50 - 150 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG
COPPER	VERY SMALL	<500 tonnes CU
ZINC	VERY SMALL	<200 tonnes ZN
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period:	1-Jan-1915	to	31-Dec-1924		200,945 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	1,309.0 kilograms	6.50 grams per tonne
Period:	1-Jan-1985	to	30-Jun-1994			
GOLD				FINE	66,333.0 kilograms	
SILVER					36,340.0 kilograms	
Period:	1-Jul-1994	to	30-Jun-1999		32,460,110 tonnes HARD ROCK ORE (OR REEF)	
GOLD				FINE	30,589.0 kilograms	0.94 grams per tonne
SILVER					16,730.0 kilograms	0.51 grams per tonne
Period:	1-Jul-1999	to	30-Jun-2001			
GOLD				FINE	14,865.4 kilograms	
SILVER					7,417.3 kilograms	
Period:	1-Jul-2001	to	30-Jun-2002			
GOLD				FINE	708.1 kilograms	
SILVER					400.0 kilograms	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1907	to	1910	Gold discovered in late 1907 causing the last major gold rush in Queensland. Alluvial gold was detected in the area in the 1880's.
1915	to	1924	Three sizeable pits were bulk mined in the south-west portion of the orebody at Wise's Hill.
1924	to	1948	Intermitant small scale mining with last stamper battery closing in 1948.
1950	to	1963	Minor production from reprocessing of tailings and alluvial operations.
1967	to	1973	Kidston Gold Mines Ltd was formed as a private gold mining concern in which Placer held a major interest. Placer acquired full ownership of Kidston Gold Mines Ltd in 1973.
1985	to	1994	Mined by Kidston Gold Mines Ltd via initial treatment of tailings and then Wise's Hill pit. Operations in Wise's Hill pit ceased in 1994 after which it was used for tailings disposal.
1994	to	2001	Eldridge (Kidston) gold deposit was discovered in 1993 and mining commenced in 1994. Additional resources discovered in 1996. Mining ceased in March 2001 and the mine closed in July 2001.

Mining Operations	Comments
OPEN CUT MINING	Eldridge pit ~400m deep, Wises Hill pit ~340m deep. Conventional open pit truck and shovel method used.
SURFACE MINING METHODS	Initial mining concentrated on retreating tailings from historic mining activity.

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Tenure Type/Number		SHARE	Company Name/Surname
ML	3347	100.00%	KIDSTON GOLD MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Einasleigh Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
PAMA IGNEOUS ASSOCIATION	Oak River Granodiorite / SILURIAN to SILURIAN
KENNEDY IGNEOUS ASSOCIATION	Kidston breccia / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)	PIPE
DETAILED OREBODY MODEL	PORPHYRY-RELATED AURIFEROUS SUBVOLCANIC BRECCIAS AND VEINS	

Mineralisation Age

ORE	CARBONIFEROUS to PERMIAN

Comments

The Kidston gold deposit is a breccia-pipe deposit associated with Permo-Carboniferous felsic volcanism, at the contact of the Silurian-Devonian Oak River Granodiorite with rocks of the Einasleigh Metamorphics.
It lies within the north-easterly trending Gilberton Fault system. The mineralisation is believed to have developed through a complex sequence of subvolcanic intrusion, breccia development, multi-phase hydrothermal activity and sheeted quartz veining.
The breccia ranges in character from "milled" near the centre of the pipe to "collapse" nearer the margins. The highest grade gold mineralisation is found in a series of sheeted quartz veins that lie within the pipe, parallel to its margins.
Grades are particularly high where structural kink zones occur in the vein system. The bulk of the gold, however, occurs in cavity infill over a broader zone that includes the sheeted veins. Kidston's resources were mined out in 2001.
Sericite alteration associated with mineralsesd post-breccia infill has been 40Ar/39Ar dated at ~332Ma; zircon from post-mineralisation dykes has been U-Pb dated at ~332Ma (Perkins & Kennedy, 1998).

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37788 **KING VOL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 24KM NW OF MUNGANA, 150KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7764 BELLEVUE

Grid Reference: Zone 55 207047 mE 8125432 mN Latitude -16.9363 Longitude 144.2496 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ZINC	MEDIUM	200 000 - 2 000 000 tonnes ZN
LEAD	SMALL	1000 - 100 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Period: 1-Jan-1922 to 31-Dec-1925 2,200 tonnes HARD ROCK ORE (OR REEF)

LEAD	METAL	369.0 tonnes
COPPER	METAL	0.3 tonnes
SILVER		257.0 kilograms

Published Reserves/Resources

BR 10070 Published in 2011 **KING VOL**

INDICATED MINERAL RESOURCE 1,050,000 tonnes Ore @

14.70 % ZINC	**FOR**	154,350 Tonnes ZINC
36.50 g/t SILVER	**FOR**	38,325 Kilograms SILVER
0.90 % COPPER	**FOR**	9,450 Tonnes COPPER
0.70 % LEAD	**FOR**	7,350 Tonnes LEAD

Comprises Eastern Zones, Western Zones, King Vol Zone and other areas.

BR 10070 Published in 2011 **KING VOL**

INFERRED MINERAL RESOURCE 1,940,000 tonnes Ore @

10.40 % ZINC	**FOR**	201,760 Tonnes ZINC
26.40 g/t SILVER	**FOR**	51,216 Kilograms SILVER
0.70 % COPPER	**FOR**	13,580 Tonnes COPPER
0.50 % LEAD	**FOR**	9,700 Tonnes LEAD

Comprises Eastern Zones and Western Zones.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10070	2011	KAGARA MINING	QUARTERLY ACTIVITY REPORT FOR THE PERIOD ENDING 30 DECEMBER 2011.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 30 DECEMBER 2011 KAGARA MINING, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 7672	100.00%	MUNGANA GOLDMINES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	LEAD-ZINC SKARN

Mineralisation Age

ORE	CARBONIFEROUS

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Comments

King Vol is a high grade lead-copper deposit in an extensive gossan developed in the Chillagoe Formation. The surface expression is a ridge of manganiferous and limonitic chert breccia. Drilling has intersected high grade ore at depth.
Intersections included 20.8m at 9.2% Zn and 0.5% Cu, including 6.98m at 17.3% Zn and 0.7% Cu. Exploration has been suspended.
The ore is mainly developed on the hanging and footwall margins of the limestone unit with scattered internal sulphide zones.
In 2006, Kagara announced significant intersections of high-grade sulphide breccia 200m below the then known resource. Intercepts included 33.33m @ 0.4% Cu, 0.2% Pb, 5.9% Zn & 10g/t Ag from 846.7m, including 5.3m @ 0.7% Cu, 0.2% Pb, 14.7% Zn & 18g/t Ag.
In October 2006, Kagara Zinc announced a doubling of the King Vol resource to 3.3Mt at 14.0% Zn, 0.8% Cu, 1.1% Pb and 43g/t Ag.
The deposit remains open at depth and along strike but Kagara has no immediate plans to infill drill at King Vol.
As at October 2006, King Vol is the largest zinc deposit in Kagara's resource inventory. Resource upgrade drilling commenced in the December 2008 quarter.

Web Page

www.kagara.com.au

Queensland Minerals

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44676 **KINGS PLAINS**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 7.9 KM WNW OF HELENVALE, 140KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7966 HELENVALE

Grid Reference: Zone 55 302115 mE 8265170 mN Latitude -15.6838 Longitude 145.1536 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Kings Plains Prospect

Kings Plains Tin Prospect

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Published Reserves/Resources

BR 6053 Published in 1999

KINGS PLAINS

INDICATED MINERAL RESOURCE 27,550,000 cubic metres Ore @ 230.00 g/m*3 CASSITERITE **FOR** 6,337 Tonnes CASSITERITE

Bank cubic metre.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15616	100.00%	MFG PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	DEEP LEAD PLACER SN
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC	Alluvium.

Comments

This resource is a former channel of the Annan River, which once was a tributary of the Normanby River.

Web Page

Queensland Minerals

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486549 **KINGSTON**

ABANDONED MINE

Descriptive Location: QUEENS ROAD KINGSTON - TOP OF HILL NEAR BRISBANE-BEENLEIGH RD

1:100 000 sheet Number and Name: 9542 BEENLEIGH

Grid Reference: Zone 56 511855 mE 6941776 mN Latitude -27.6480 Longitude 153.1202 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Kingston Gold Mine
Mount Taylor

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1898	to	31-Dec-1898		111 tonnes OXIDE ORE	
GOLD				BULLION	1.2 kilograms	10.60 grams per tonne
Period:	1-Jan-1932	to	31-Dec-1954		149,497 tonnes OXIDE ORE	
GOLD				BULLION	612.0 kilograms	4.10 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	
OPEN CUT MINING	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BEENLEIGH SUBPROVINCE (BLOCK)	Neranleigh-Fernvale beds / DEVONIAN to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)	

Mineralisation Age

ORE	PALAEOZOIC	COMPRISES NUMEROUS QTZ VEINS AVERAGING 0.12M IN WIDTH

Comments

The site was used for many years as a dump for acid sludge from recycling used engine oil. It was rehabilitated in the 1980s following leakage of toxic waste and is now the Mt Taylor Parklands.
Gold was discovered here in 1885. Queensland Kingstone Mines and Investment Company put down two shafts in 1913. Old shafts were reopened in 1931 and open cut mines were established. The mine operated under various companies until 1955.

Web Page

www.logan.qld.gov.au/LCC/logan/thingstodo/lh/logancentral/loganhi_gold_mine.htm

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479553 **KITTY O'SHEA**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 39 KM NORTH-WEST OF MINGELLA, 60KM SSW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8158 DOTSWOOD

Grid Reference: Zone 55 430980 mE 7826174 mN Latitude -19.6584 Longitude 146.3416 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1898 to 31-Dec-1898 12 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 0.4 kilograms

Published Reserves/Resources

Company Report 12624 Published in 1983 **KITTY O'SHEA**

INFERRED MINERAL RESOURCE 1,000,000 tonnes Ore @ 1.50 g/t GOLD **FOR** 1,500 Kilograms GOLD

Resource may be as large as 2 Mt. Grade varies from 1 to 2 g/t Au.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	30m deep
TRENCHES	

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BURDEKIN BASIN	Julia Formation / LATE DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

The lode outcrops as a limonitic gossan, with minor historical production.

Web Page

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38235 **KOKIALAH AREA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 18.8KM EAST OF AURUKUN MISSION, 525KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7271 AURUKUN

Grid Reference: Zone 54 598121 mE 8524166 mN Latitude -13.3483 Longitude 141.9061 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Kokialah North
Mookie
Kokaliah South
South Watson
Dorris
Lizzie
Aurukun Bauxite Project

Commodities	Size	Size Definition
BAUXITE	MEDIUM	100 000 000 - 200 000 000 t BX

Production Details

Published Reserves/Resources

Company Report 11482 Published in 1983

INFERRED MINERAL RESOURCE 176,500,000 tonnes Ore @
176,500,000 Tonnes BAUXITE

Comments/Cut Off Factor: Grading 53.2 to 55.3% total alumina and 7.7 to 8.2% reactive silica.
Includes Kokialah North, Mookie, Kokialah South, South Watson, Dorris and Lizzie. Dry unbeneficiated in situ bauxite

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

Part of RA315: In 2006 CHALCO won right to submit final proposal for development and were granted MDL378. CHALCO planned to invest $3 billion in a 6.5MT/a bauxite mine and 2.1Mt/a alumina refinery on Qld east coast, but pulled out subsequently.
Since CHALCO pulled out the Aurukun bauxite resource has returned to Qld Government control and a developer for the bauxite deposit is being sought through a competitive expression of interest process in 2013.
Tipperary Land Corporation calculated an inferred resource of 14.5Mt at 50% alumina and 10% reactive silica, with an additional 150Mt of bauxite possible.
Aluminium Pechiney Holdings Pty Ltd was granted ML 7032 (SBML 9) in 1975 and carried out addirional exploration, including a feasibility study. This lease was cancelled in 2004.
Mineralisation is confined in extent, has a stratigraphic control, and occupies a far more varied topographic location than was first thought (ERMS 4244).

Web Page

Queensland Minerals

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501459 **KOKOMO**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 14KM NE OF VALLEY OF LAGOONS HOMESTEAD, 250KM W OF TOWNSVILLE

1:100 000 sheet Number and Name: 7960 VALLEY OF LAGOONS

Grid Reference: Zone 55 306985 mE 7947698 mN Latitude -18.5525 Longitude 145.1712 Date Recorded: 17/February/2017

Other Names for Deposit / Mine

Sconi Project

Nornico Nickel Project

Commodities	Size	Size Definition
SCANDIUM	SMALL	1 - 10 tonnes SC
COBALT	SMALL	10 - 1 000 tonnes CO
NICKEL	VERY SMALL	<250 tonnes NI
PLATINUM	VERY SMALL	<0.5 tonnes PT

Production Details

Published Reserves/Resources

BR 10566 Published in 2016

KOKOMO NICKEL-COBALT

INDICATED MINERAL RESOURCE 17,200,000 tonnes Ore @

0.56 % NICKEL **FOR** 96,320 Tonnes NICKEL

0.09 % COBALT **FOR** 15,480 Tonnes COBALT

0.00 % SCANDIUM **FOR** 842 Tonnes SCANDIUM

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)

Iron and Magnesium are no longer reported in recent estimates.

BR 10566 Published in 2016

KOKOMO NICKEL-COBALT

INFERRED MINERAL RESOURCE 10,200,000 tonnes Ore @

0.36 % NICKEL **FOR** 36,720 Tonnes NICKEL

0.04 % COBALT **FOR** 4,080 Tonnes COBALT

0.01 % SCANDIUM **FOR** 601 Tonnes SCANDIUM

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)

Iron and Magnesium are no longer reported in recent estimates.

BR 10566 Published in 2016

KOKOMO NICKEL-COBALT

MEASURED MINERAL RESOURCE 2,200,000 tonnes Ore @

0.57 % NICKEL **FOR** 12,540 Tonnes NICKEL

0.11 % COBALT **FOR** 2,420 Tonnes COBALT

0.01 % SCANDIUM **FOR** 176 Tonnes SCANDIUM

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)

Iron and Magnesium are no longer reported in recent estimates.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10566	2016	METALLICA MINERALS LIMITED	ANNUAL REPORT 2016	MINING 2012; TAKING STOCK, P24; 28 OCTOBER 2016. METALLICA MINERALS LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	10342	100.00%	NORNICO PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GREENVALE PROVINCE	Sandalwood Serpentinite / NEOPROTEROZOIC to EARLY CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL RESIDUAL DEPOSIT

DETAILED OREBODY MODEL LATERITIC NICKEL

Mineralisation Age

ORE CENOZOIC Silica boxwork and duricrust is well developed over this laterite.

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Comments

Metallurgical testwork based on heated atmospheric agitated leaching for recovery of Ni and Co produced some very positive results. Infill drilling commnced in June 2009. Better intersections have included 10m at 1.17% Ni and 0.12% Co, 11m at 0.96% Ni and 0.14% Co, 3m at 1.1% Ni and 0.44% Co and 13m at 1.93% Ni and 0.63% Co.

Part of Metallica Minerals Limited's SCONI (Sc-Co-Ni) project. In January 2009 a maiden resource for the deposit was announced based on resource drilling completed in October 2008. A re-tabulation in July 2012 saw a major increase in its resources.

In 2011 Metallica Minerals changed its development strategy from heated Atmospheric Acid Leach (AAL) processing to High Pressure Acid Leach (HPAL) processing with an acid-power plant, which will enable treatment of all iron-rich ores, particularly the

(2011: Cont.1) high scandium high iron Lucknow ores. The added scandium resources will bring a major competitive advantage for the Nornico Ni-Co & Sc "tri metal" project (BR9704).

After re-tabulation of resources this deposit was grouped in the SCONI project - southern deposits, which was part if the 2012 scoping study by Metallica Minerals Limited. The scoping study was based on a 750000tpa operation, including

(2012 cont.) the combined resources from Greenvale, Luchnow and Kokomo deposits over a 20 year mine life. Metallica is persuing discussions with potential end users in the Solid Oxide Fuel Cell (SOFC) and aluminium alloy market sectors.

Australian Mines entered a joint venture agreement with Metallica Minerals (ASX: MLM) on the Sconi Project in 2016. Australian Mines can earn an 75% interest in the Sconi Project.

A Pre-Feasibility Study (PFS) completed in 2016 on the scandium ore body at Sconi confirmed it to be an economic and technically viable mining project capable of producing 50 tonnes of high purity scandium oxide (Sc203) per year over a 20-year mine life.

Web Page

www.metallicaminerals.com.au; www:australianmines.com.au

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38432 **KOORBOORA CREEK**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 12.5KM SE OF ALMADEN, 110KM WSW OF CAIRNS.

1:100 000 sheet Number and Name: 7863 CHILLAGOE

Grid Reference: Zone 55 262571 mE 8073494 mN Latitude -17.4118 Longitude 144.7650 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Rover

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Period: 1-Jan-1900 to 31-Dec-1980

CASSITERITE	55.0 tonnes

Published Reserves/Resources

BR 6053 Published in 1999

KOORBOORA CREEK

INDICATED MINERAL RESOURCE 750,000 cubic metres Ore @ 140.00 g/m*3 CASSITERITE **FOR** 105 Tonnes CASSITERITE

Bank cubic metre.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname	Christian Name
ML 5131	100.00%	WALLACE	Ian Earl

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	QUATERNARY	Alluvium.

Comments

The location given for this resource is that of the major historical processing area. The creek drains numerous hard rock tin mines of the Koorboora area. High-grade alluvium was worked in the upper reaches and low grade deposits in the lower reaches.

Web Page

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582060 **KORELLA**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 55KM ESE OF DJARRA

1:100 000 sheet Number and Name: 6854 DAJARRA

Grid Reference: Zone 54 394200 mE 7573200 mN Latitude -21.9423 Longitude 139.9755 Date Recorded: 17/February/2017

Other Names for Deposit / Mine

Phm South

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR
YTTRIUM		
NEODYMIUM		
SCANDIUM		
DYSPROSIUM		

Production Details

Period: 1-Jul-2015 to 30-Jun-2016

PHOSPHATE ROCK (PHOSPHORITE) 20,000.0 tonnes

Published Reserves/Resources

BR 9924 Published in 2012 **KORELLA**

INFERRED MINERAL RESOURCE 7,030,000 tonnes Ore @ 930.00 g/t YTTRIUM **FOR** 6,537,900 Kilograms YTTRIUM

Comments/Cut Off Factor: cut-off +500ppm Yttrium & 20% Phosphate

Low grade resource comprises 13.72Mt @700g/t Y2O3 at +300ppm Yttrium cutoff

BR 9362 Published in 2009 **PHM SOUTH**

INFERRED MINERAL RESOURCE 19,300,000 tonnes Ore @ 19.00 % PHOSPHATE **FOR** 3,667,000 Tonnes PHOSPHATE

Comments/Cut Off Factor: 10% P2O5 cutoff. 1.8km strike length of potential 3.7km of mineralisation.

At 20% cutoff, the inferred resource is 8.3Mt at 27.3% P2O5. At 25% cutoff, the inferred resource is 5.0Mt at 30.8% P2O5.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9362	2009	KRUCIBLE METALS LTD	INCREASED PHOSPHATE RESOURCE FOR KRUCIBLE AT CORELLA BORE EPM 15572/PHM SOUTH DEPOSIT.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 17 SEPTEMBER 2009. KRUCIBLE METALS LTD, TOWNSVILLE.
BR 9924	2012	KRUCIBLE METALS LTD	ANNUAL REPORT 2012	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 30TH OCTOBER 2012. KRUCIBLE METALS LTD, TOWNSVILLE.

Major Mining Related Events

Year Commenced	Year Completed	Comments
2012		16 August 2012 granted Mining Lease (21 years)

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15572	100.00%	AUSTRALIA NEW AGRIBUSINESS & CHEMICAL GROUP LTD
ML	90209	100.00%	AUSTRALIA NEW AGRIBUSINESS & CHEMICAL GROUP LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Beetle Creek Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE MIDDLE CAMBRIAN

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Comments

Drilling by Krucible Metals Ltd in 2009 returned 9m at 32.6% P2O5 from 55m, 9m at 30.7% P2O5 from 61m, 6m at 31.9% P2O5 from 39m, 8m at 32% P2O5 from 68m, 6m at 29.5% P2O5 from 51m and 7m at 30.8% P2O5 from 26m.

2010 assaying of drillhole samples revealed a consistent blanket of yttrium enrichment lying immediately above the high-grade phosphate zone. Intersections included 7m at 0.13% Y, 3m at 0.245% Y and 16m at 0.092% Y (BR9636).

High-grade phosphate mineralisation (>25% P2O5) forms a north-trending corridor. It is in the upper portion of the Beetle Creek Formation, at depths of 20-80m below surface. The Beetle Creek Formation is overlain by clays and shales of the ?Inca Formation

Drilling by Krucible Metals Ltd in 2010/11 returned 7m @ 0.13% Y from 12m, 2m @ 0.21% Y from 24m. From existing drilling +500ppm resouce blocks (JORC compliant) were delinieated for calculation of inferred resource (BR9662).

Krucible Metals also quoted intersections for Neodymium and Dysprosium: Best intersection recorded 3m @ 927ppm Nd from 6m and 4m @ 415ppm Nd from 14m; 2m @ 294ppm Dy from 19m (BR9662).

Phosphate enrichment has been outlined over a strike length of ~3.6km, with east-west widths ranging from 200 to 500m. The eastern boundary of the phosphate zone is abruptly cut by the Mehaffey Fault. The western boundary is transitional.

2009: Resource estimates released in July 2009 indicate potential for development of direct shipping ore without need of beneficiation. A scoping study is planned (BR9362).

23 Jan 2013 Krucible accepted a non-binding offer from Daton Group Australia to buy Krucible's phosphate bearing tenements, including Korella deposit and mining lease for $12M.

2011 Krucible has defined an inferred resource for the heavy REE Yttrium, associated with the high grade phosphate deposit. Other valuable heavy REE Neodymium (Nd) & Dysprosium (Dy) are associated with the Yttrium, but are yet to be included (BR9662).

Krucible Metals Ltd sold Korella to Australia New Agribusiness & Chemical Group Ltd on 16th January, 2014. This company went into receivership in late 2016.

In August 2012 Korella Mining Lease was granted to subsidiary Korella Phosphate Pty Ltd, after a positive scoping study, initiated in 2010, was carried out successfully.

2012: Krucible Metals stated that anomalous values of other valuable HREE such as dysprosium (Dy) and neodymium (Nd) have been intersected in drilling. Drill hole 11CBRC161: 1m @ 831ppm Nd & 336ppm Sc from 13m; Drillhole 09CBRC128: 2m @ 294ppm Dy from 19m

The Australian New Agribusiness and Chemical Group Limited completed trial mining of the Korella phosphate deposit from August to September 2015. Originally 10 000 t of high-grade phosphate rock was extracted at an average grade between 32% and 37%.

A total of 20 000 t of phosphate rock production were recorded from Korella, before the mine was placed on care and maintenance in 2016.

Web Page

www.kruciblemetals.com.au (old)

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494057 **KURIDALA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 2 KM NORTH-WEST OF KURIDALA, 115KM SE OF MT ISA.

1:100 000 sheet Number and Name: 7055 MOUNT ANGELAY

Grid Reference: Zone 54 448870 mE 7647276 mN Latitude -21.2755 Longitude 140.5071 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
COBALT	MEDIUM	1 000 - 20 000 tonnes CO
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 10576 Published in 2016

KURIDALA OXIDE

INDICATED MINERAL RESOURCE 2,300,000 tonnes Ore @

1.02 % COPPER **FOR** 23,460 Tonnes COPPER

0.03 % COBALT **FOR** 690 Tonnes COBALT

0.27 g/t GOLD **FOR** 621 Kilograms GOLD

Comments/Cut Off Factor: 0.2% Cu cutoff

BR 10576 Published in 2016

KURIDALA OXIDE

INFERRED MINERAL RESOURCE 1,200,000 tonnes Ore @

0.91 % COPPER **FOR** 10,920 Tonnes COPPER

0.03 % COBALT **FOR** 510 Tonnes COBALT

0.24 g/t GOLD **FOR** 288 Kilograms GOLD

Comments/Cut Off Factor: 0.2% Cu cutoff

BR 10576 Published in 2016

KURIDALA OXIDE

MEASURED MINERAL RESOURCE 1,900,000 tonnes Ore @

1.08 % COPPER **FOR** 20,520 Tonnes COPPER

0.02 % COBALT **FOR** 500 Tonnes COBALT

0.18 g/t GOLD **FOR** 342 Kilograms GOLD

Comments/Cut Off Factor: 0.2% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10576	2016	QUEENSLAND MINING CORPORATION LIMITED	ANNUAL REPORT 2016	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 21 OCTOBER 2016. QUEENSLAND MINING CORPORATION LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	90081	100.00%	WHITE RANGE MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Hampden Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

The main mineralisation is controlled by two separate fault structures in amphibolite and is strongly developed on the footwall fault of the Hampden Fault zone.

Copper occurs in both highly altered and brecciated shear zones and less altered stockworked carbonaceous shale.

Part of Matrix Metals' White Range Project, which was purchased by Queensland Mining Corporation Ltd in 2010.

In December 2016 Queensland Mining Corporation announced that they have entered into an Option and Joint Venture Agreement with Teck Australia Pty Limited on the White Range copper project, giving Teck an option to earn 70% interest by 31 March 2017.

Web Page

www.queenslandminingcorporation.com.au

Queensland Minerals

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494251 **LADY ANNIE**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 34 KM WEST-SOUTH-WEST OF GUNPOWDER, 105KM NNW OF MT ISA, 2.5 KM W OF LADY LORETTA

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 295193 mE 7812442 mN Latitude -19.7731 Longitude 139.0452 Date Recorded: 9/February/2017

Other Names for Deposit / Mine

Lady Annie Copper Mine
Lady Annie East
La7

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU

Production Details

Period:	1-Jan-1937	to	31-Dec-1962		12,207 tonnes OXIDE ORE	
COPPER				OTHER	1,444.5 tonnes	11.80 percent
Period:	1-Jan-1963	to	31-Dec-1963		445 tonnes OXIDE ORE	
COPPER				OTHER	88.3 tonnes	20.20 percent
Period:	1-Jan-1964	to	31-Dec-1964		145 tonnes OXIDE ORE	
COPPER				OTHER	36.7 tonnes	25.30 percent
Period:	1-Jul-2007	to	30-Jun-2016			
COPPER				PLATE	77,242.8 tonnes	

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Published Reserves/Resources

BR 10433 Published in 2015 **LADY ANNIE OXIDE ORE**

INDICATED MINERAL RESOURCE 1,360,000 tonnes Ore @ 0.44 % COPPER **FOR** 5,984 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY ANNIE OXIDE ORE**

INFERRED MINERAL RESOURCE 30,000 tonnes Ore @ 0.40 % COPPER **FOR** 200 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY ANNIE OXIDE ORE**

MEASURED MINERAL RESOURCE 520,000 tonnes Ore @ 0.56 % COPPER **FOR** 2,912 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY ANNIE SULPHIDE ORE**

INDICATED MINERAL RESOURCE 3,870,000 tonnes Ore @ 0.89 % COPPER **FOR** 35,600 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY ANNIE SULPHIDE ORE**

INFERRED MINERAL RESOURCE 490,000 tonnes Ore @ 0.58 % COPPER **FOR** 2,900 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY ANNIE SULPHIDE ORE**

MEASURED MINERAL RESOURCE 560,000 tonnes Ore @ 0.92 % COPPER **FOR** 5,520 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY ANNIE TRANSITION ORE**

INDICATED MINERAL RESOURCE 3,400,000 tonnes Ore @ 0.84 % COPPER **FOR** 32,760 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY ANNIE TRANSITION ORE**

INFERRED MINERAL RESOURCE 120,000 tonnes Ore @ 0.57 % COPPER **FOR** 570 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY ANNIE TRANSITION ORE**

MEASURED MINERAL RESOURCE 2,040,000 tonnes Ore @ 0.69 % COPPER **FOR** 14,076 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.
Incorporating mining depletion to end of December 2014.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10433	2015	CST MINING GROUP LIMITED	EXPLORE THE ROAD TO SUCCESS - ANNUAL REPORT 2015	ANNOUNCEMENT TO THE STOCK EXCHANGE OF HONG KONG LIMITED, 30 DECEMBER 2015. CST MINING GROUP LIMITED, MELBOURNE.

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1937			Initial discovery of copper at Paradise Valley.
1953	to	1959	Worked by Sanderson and party
1959	to	1959	Copper Corporation of Australia Pty Ltd worked the mine
1996	to	2003	Buka minerals Ltd have completed mine feasibility study. Completed open pit design in 2003.
2005	to	2007	CopperCo began feasibility study on the area, for production to begin in late 2007.
2007	to	2010	Mining commnced at Mount Clarke in September 2007 quarter. Central SX-EW plant is at Lady Annie.
2010			CST Mining Ltd took over operations at Lady Annie, and started producing copper cathode in Nov 2010.

Mining Operations

OPEN CUT MINING

UNDERGROUND MINING METHODS

SHAFTS

Comments

BFP Consultants completed a resource estimate pit based on 2003 resource figures and 2002 resource definition drilling. Waste to ore ratio of 3.65:1.

Tenure Type/Number		SHARE	Company Name/Surname
ML	90179	100.00%	CST MINERALS LADY ANNIE PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT OXIDE DOMAIN	Paradise Creek Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE	MESOPROTEROZOIC	Supergene malachite, covellite-bornite, and primary chalcopyrite mineralisation associated with syntectonic quartz-dolomite breccia.

Comments

Copper mineralisation is hosted within the lower part of the Paradise Creek Formation. The mineralisation is thought to be confined to a SW-dipping structure with mineralisation varying from 1-2m wide zones to greater than 20m.
The solvent extraction-electrowinning plant was progressively commissioned in August and September 2007 and copper plating commenced in September.
As at January 2007, the global resource for the Lady Annie Project stands at 22.2Mt at 0.9% Cu, including total proved and probable ore reserves of 16.4Mt at 1.0% Cu.
Mining Leases were granted in January 2007. CopperCo commenced open cut mining of the Mount Clarke orebody in June 2007.
In April 2007, CopperCo announced near-mine drilling results. The LA7 prospect, on the northern side of the resource outline, returned 20m at 0.57% Cu from 1m. Lady Annie East returned 23m at 0.53% Cu from 65m.
A new high-grade sulphide copper zone discovered immediately beneath the proposed copper oxide pit floor at Lady Annie East returned intersections including 55m @ 3.3% Cu from 134m (including 27m @ 5.93% Cu from 143m and 8m @ 10.62% Cu from 155m).
Production in 2007/08 came from ore from Mount Clarke. 2.2Mt of ore grading 0.97% Cu was mined. 2Mt grading 0.96% Cu was stacked and 11,082t of copper cathode was produced (see Mount Clarke).
Mining operations commenced at Lady Annie and Flying Horse in late 2008. A new EW section was commissioned in August 2008 and the new SX plant was completed in September 2008.
CST Mining production target: Lady Annie will produce 25000 to 30000 tpa of LME grade a Cu cathode and will employ approx 200 people (BR9811&BR9813). For 2012 CST expects production of 28000 to 30000tpa of Cu cathode.
CST invested in additional leach pads, an additional agglomerator drum and an additional acid tank for the Lady Annie plant (BR9812).
CST Mining resumed mining at Lady Annie in September 2010, with first copper cathode production in November 2010. (CST is registered in the Hong Kong Exchanges: Code 985). New resources for Lady Annie and Lady Brenda reported together.
Mining at Lady Annie ceased in January 2016 due to low prices. In June 2016 the name CST Mining was changed to NetMind Financial Holdings Limited.
CopperCo went into voluntary administration in November 2008. Cape Lambert Iron Ore Ltd purchased CopperCo's assets in June 2009 and later sold them to CST Mining.
The current Mineral Ore Reserve incorporating mining depletion to end of December 2014 is 3.37Mt @ 0.63% Cu for 21kt of contained copper (total of Lady Annie and Mount Kelly reserves + ROM Stockpiles). Proven reserves of ROM total 1.41Mt @ 0.42% Cu.

Web Page
http://www.cstmining.com

494252 **LADY BRENDA**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 9.6KM SW OF THE LADY ANNIE EAST LANDING GROUND

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 294750 mE 7811750 mN Latitude -19.7793 Longitude 139.0409 Date Recorded: 9/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

BR 10433 Published in 2015 **LADY BRENDA OXIDE**

INDICATED MINERAL RESOURCE 3,340,000 tonnes Ore @ 0.43 % COPPER **FOR** 14,405 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY BRENDA OXIDE**

INFERRED MINERAL RESOURCE 160,000 tonnes Ore @ 0.35 % COPPER **FOR** 560 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY BRENDA OXIDE**

MEASURED MINERAL RESOURCE 710,000 tonnes Ore @ 0.50 % COPPER **FOR** 3,550 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY BRENDA SULPHIDE**

INDICATED MINERAL RESOURCE 450,000 tonnes Ore @ 0.56 % COPPER **FOR** 2,520 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY BRENDA SULPHIDE**

INFERRED MINERAL RESOURCE 370,000 tonnes Ore @ 0.45 % COPPER **FOR** 1,665 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY BRENDA SULPHIDE**

MEASURED MINERAL RESOURCE 20,000 tonnes Ore @ 0.42 % COPPER **FOR** 84 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY BRENDA TRANSITION**

INDICATED MINERAL RESOURCE 3,090,000 tonnes Ore @ 0.53 % COPPER **FOR** 16,377 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY BRENDA TRANSITION**

INFERRED MINERAL RESOURCE 650,000 tonnes Ore @ 0.46 % COPPER **FOR** 2,990 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY BRENDA TRANSITION**

MEASURED MINERAL RESOURCE 390,000 tonnes Ore @ 0.60 % COPPER **FOR** 2,340 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10433	2015	CST MINING GROUP LIMITED	EXPLORE THE ROAD TO SUCCESS - ANNUAL REPORT 2015	ANNOUNCEMENT TO THE STOCK EXCHANGE OF HONG KONG LIMITED, 30 DECEMBER 2015. CST MINING GROUP LIMITED, MELBOURNE.

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Major Mining Related Events

Year Commenced	Year Completed	Comments
2010		CST Mining Ltd took over mining and exploration operations in 2010. Resource added to Lady Annie

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	90179	100.00%	CST MINERALS LADY ANNIE PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT OXIDE DOMAIN	Lady Loretta Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE	PALAEOPROTEROZOIC to MESOPROTEROZOIC

Comments

Drilling by CopperCo Ltd in 2007 returned 15m at 0.44% Cu from 19m. Drill results for 2008 included 26m at 1.38% Cu from 35m, 4m at 3.91% Cu from 45m, 15m at 1.43% Cu from 75m and 30m at 0.99% Cu from 16m.

CST Mining resumed mining at Lady Annie in September 2010, with first copper cathode production in November 2010. (CST is registered in the Hong Kong Exchanges: Code 985). New resources for Lady Annie and Lady Brenda reported together in Lady Annie site.

CST Mining resumed mining at Lady Annie in September 2010, with first copper cathode production in November 2010. (CST is registered in the Hong Kong Exchanges: Code 985).

CopperCo went into voluntary administration in November 2008. Cape Lambert Iron Ore Ltd purchased CopperCo's assets in June 2009. An Initial Public Offering to form a new company to manage the Lady Annie project is planned.

In 2012 CST mining defined new resources seperate from the Lady Annie resources (BR9959)

Mining at Lady Annie ceased in January 2016 due to low prices. In June 2016 the name CST Mining was changed to NetMind Financial Holdings Limited.

Web Page

http://www.cstmining.com

Queensland Minerals

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43611 **LADY CLAYRE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 16.4KM WNW OF QUAMBY

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 409839 mE 7752565 mN Latitude -20.3227 Longitude 140.1363 Date Recorded: 8/February/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	31-Dec-1908			21	tonnes HARD ROCK ORE (OR REEF)
COPPER		METAL	2.5 tonnes		11.50 percent
Period: 1-Jan-1969 to	31-Dec-1969			503	tonnes HARD ROCK ORE (OR REEF)
COPPER		METAL	23.3 tonnes		4.60 percent
SILVER			1.5 kilograms		2.97 grams per tonne

Published Reserves/Resources

BR 10439 Published in 2015 **LADY CLAYRE**

INDICATED MINERAL RESOURCE 3,600,000 tonnes Ore @

0.60 % COPPER **FOR** 21,600 Tonnes COPPER

0.24 g/t GOLD **FOR** 864 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cut off grade

BR 10439 Published in 2015 **LADY CLAYRE**

INFERRED MINERAL RESOURCE 10,400,000 tonnes Ore @

0.54 % COPPER **FOR** 56,268 Tonnes COPPER

0.18 g/t GOLD **FOR** 1,875 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cut off grade

BR 9895 Published in 2012 **OXIDE**

INFERRED MINERAL RESOURCE 340,000 tonnes Ore @

0.51 % COPPER **FOR** 1,734 Tonnes COPPER

0.16 g/t GOLD **FOR** 54 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cut-off grade

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10439	2015	ALTONA MINING LIMITED	ANNUAL REPORT 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, JULY 2015. ALTONA MINING LIMITED, PERTH.
BR 9895	2012	ALTONA MINING LIMITED	FURTHER RESOURCE UPGRADES AT ROSEBY PROJECT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 23 APRIL 2012. ALTONA MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8506	100.00%	ROSEBY COPPER PTY LTD
ML	90162	50.00%	ROSEBY COPPER PTY LTD
ML	90162	50.00%	ALTONA MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Coocerina Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

This deposit forms part of Universal Resources Ltd's Roseby Copper Project. Seven separate zones of Cu-Au mineralisation have been identified at Lady Clayre developed as stratabound lenses in a crude basinal structure.

Drilling intersections announced by Universal Resources Ltd in March 2007 included 26m at 1.18% Cu & 1.13g/t Au from 69m (including 14m at 1.93% Cu & 1.93g/t Au from 81m), 11m at 3.37% Cu & 1.22g/t Au from 87m, and 19m at 1.63% Cu & 0.12g/t Au from 81m.

Drill intersections for the September 2009 quarter included 30m at 0.5% Cu and 0.2g/t Au from 93m (including 6m at 0.74% Cu and 0.28g/t Au from 93m and 3m at 1.1% Cu and 0.11g/t Au from 108m) and 10m at 0.68% Cu and 0.66g/t Au from 141m.

Web Page

www.altonamining.com

38733 **LADY COLLEEN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 700M W OD MOUNT CLARKE WEST PIT; NNW OF MOUNT ISA

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 304170 mE 7799795 mN Latitude -19.8882 Longitude 139.1295 Date Recorded: 9/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

BR 10433 Published in 2015 **LADY COLLEEN OXIDE**

INDICATED MINERAL RESOURCE 100,000 tonnes Ore @ 0.63 % COPPER **FOR** 630 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY COLLEEN OXIDE**

INFERRED MINERAL RESOURCE 100,000 tonnes Ore @ 0.52 % COPPER **FOR** 520 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY COLLEEN SULPHIDE**

INDICATED MINERAL RESOURCE 1,900,000 tonnes Ore @ 1.14 % COPPER **FOR** 21,660 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY COLLEEN SULPHIDE**

INFERRED MINERAL RESOURCE 3,600,000 tonnes Ore @ 0.75 % COPPER **FOR** 27,000 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY COLLEEN SULPHIDE**

MEASURED MINERAL RESOURCE 100,000 tonnes Ore @ 1.08 % COPPER **FOR** 1,080 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY COLLEEN TRANSITIONAL**

INDICATED MINERAL RESOURCE 1,300,000 tonnes Ore @ 0.84 % COPPER **FOR** 10,920 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY COLLEEN TRANSITIONAL**

INFERRED MINERAL RESOURCE 700,000 tonnes Ore @ 0.55 % COPPER **FOR** 3,850 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **LADY COLLEEN TRANSITIONAL**

MEASURED MINERAL RESOURCE 100,000 tonnes Ore @ 0.93 % COPPER **FOR** 930 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut-off
Incorporating mining depletion to end of December 2014.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10433	2015	CST MINING GROUP LIMITED	EXPLORE THE ROAD TO SUCCESS - ANNUAL REPORT 2015	ANNOUNCEMENT TO THE STOCK EXCHANGE OF HONG KONG LIMITED, 30 DECEMBER 2015. CST MINING GROUP LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

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Tenure Type/Number		SHARE	Company Name/Surname
ML	90170	100.00%	CST MINERALS LADY ANNIE PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT OXIDE DOMAIN	Paradise Creek Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE

Comments

Mining at Lady Annie ceased in January 2016 due to low prices. In June 2016 the name CST Mining was changed to NetMind Financial Holdings Limited.

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493655 **LADY ELLA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 48KM NNE OF CHATSWORTH, 141KM SE OF MT ISA.

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 447602 mE 7613486 mN Latitude -21.5807 Longitude 140.4939 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Lady Ella Mine
Mount Ella
Connie
Lady Ella Prospect

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 7038 Published in 2002

INDICATED MINERAL RESOURCE 550,000 tonnes Ore @
1.56 % COPPER **FOR** 8,580 Tonnes COPPER
1.32 g/t GOLD **FOR** 726 Kilograms GOLD

Comments/Cut Off Factor: 1% copper

BR 7038 Published in 2002

INFERRED MINERAL RESOURCE 190,000 tonnes Ore @
1.36 % COPPER **FOR** 2,584 Tonnes COPPER
1.07 g/t GOLD **FOR** 203 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7038	2002	SELWYN MINES LIMITED	SELWYN MINES LIMITED - ANNUAL REPORT 2002	SELWYN MINES LIMITED

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
PITS	
OPEN CUT MINING	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10783	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD
ML	90061	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Hampden Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Supergene ore from the Lady Ella was mined by open cut from June 2002 to February 2003 to provide supplemental mill feed.

Web Page

www.ivanhoeaustralia.com

Queensland Minerals

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43612 **LADY ETHLEEN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 54.1KM ESE OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 392273 mE 7685279 mN Latitude -20.9297 Longitude 139.9640 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
SILICA	VERY SMALL	<1 000 t SIO
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jan-1906	to	31-Dec-1959	596 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	51.8 tonnes	8.69 percent
GOLD			BULLION	0.0 kilograms	0.07 grams per tonne
Period:	1-Jan-1978	to	31-Dec-1978		
SILICA				493.0 tonnes	
Period:	1-Jan-1980	to	31-Dec-1980	252 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	8.7 tonnes	3.44 percent

Published Reserves/Resources

Company Report 15802 Published in 1967 **LADY ETHLEEN**

INFERRED MINERAL RESOURCE 123,546 tonnes Ore @ 1.52 % COPPER **FOR** 1,878 Tonnes COPPER

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1959	to	1959	J. Tuma set up a copper precipitation plant at Fountain Springs. He treated ore from Lady Ethleen and Lady Jenny but did not get past the initial trial stage.
1972	to	1973	Leichardt Exploration Ltd and Pegmin Ltd set up a vat-leaching plant at the mine. This operation was not successful.
1974	to	1975	A tribute party sank a 32.6m deep shaft near the adit portal.
1978	to	1980	Mined by Foschi Enterprises for cupriferous silica flux.

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	
ADITS	
UNDERGROUND MINING METHODS	
STOPING	
PITS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	2771	100.00%	MINING INTERNATIONAL PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

Web Page
www.matrixmetals.com.au

Queensland Minerals

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38892 **LADY FLORENCE LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 4.4 KM ESE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 426508 mE 7778472 mN Latitude -20.0893 Longitude 146.2971 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Lady Antrim
Hit Or Miss Block
Lady Florence Block
Lady Florence No. 1 West
Lady Florence No. 1 East
Lady Florence East
Lady Florence West Block
Carters Florence

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Period: 1-Jan-1876 to 31-Dec-1934 9,985 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 143.3 kilograms

Published Reserves/Resources

BR 10151 Published in 2012 **LADY FLORENCE+RUBY+IDENTITY**

INFERRED MINERAL RESOURCE 2,916,000 tonnes Ore @

13.50 g/t GOLD **FOR** 39,366 Kilograms GOLD

9.00 g/t SILVER **FOR** 26,244 Kilograms SILVER

Resource figure includes Ruby Lode and Identity resources: reported as one resource

BR 10151 Published in 2012 **RUBY (C08)**

INDICATED MINERAL RESOURCE 32,816 tonnes Ore @

5.54 g/t GOLD **FOR** 181 Kilograms GOLD

Includes probable reserve at Ruby (C08) of 36098t at 4.79g/t Au.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1876	to	1936	Worked by the Lady Antrim/Hit or Miss Block.
1893	to	1904	Worked by the Lady Florence by Frederick Shaw and later by the Lady Florence G.M. company

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	
INCLINED SHAFTS / DRIVES	

Tenure Type/Number	SHARE	Company Name/Surname
MDL 116	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL MESOTHERMAL VEINS/PIPE/STOCKWORK VEIN

DETAILED OREBODY MODEL MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Resource forms part of the Charters Towers Project of Citigold Corporation Limited.

Web Page
http://www.citigold.com/

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512531 **LADY HALL**

ABANDONED MINE

Descriptive Location: 23.4KM SSE OF GERETA HOMESTEAD.

1:100 000 sheet Number and Name: 6857 PROSPECTOR

Grid Reference: Zone 54 386283 mE 7763536 mN Latitude -20.2223 Longitude 139.9114 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Empire

Commodities	Size	Size Definition
SILICA	SMALL	1 000 - 1 000 000 t SIO
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period: 31-Dec-1970 277 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 9.4 tonnes 3.40 percent

Period: 1-Jul-1974 to 30-Jun-1975

LUMP SILICA 25,791.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	95m long x 20m wide x 10m deep.
SHAFTS	
PITS	
TRENCHES	Collapsed stopes.
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE PROTEROZOIC

Comments

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43614 **LADY JENNY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 54.3KM ESE OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 393054 mE 7686395 mN Latitude -20.9196 Longitude 139.9716 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Lady Jennie

Commodities	Size	Size Definition
COPPER	VERY SMALL	<500 tonnes CU
SILICA	SMALL	1 000 - 1 000 000 t SIO
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jan-1906	to	31-Dec-1921		348	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	24.2 tonnes	6.95 percent
GOLD				BULLION	0.1 kilograms	0.19 grams per tonne
Period:	1-Jan-1955	to	31-Dec-1957		175	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	13.7 tonnes	7.84 percent
Period:	1-Jan-1966	to	31-Dec-1970		535	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	50.5 tonnes	9.44 percent
Period:	1-Jan-1976	to	31-Dec-1981			
SILICA					93,557.0 tonnes	
Period:	1-Jul-2005	to	30-Jun-2006		3,580	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	716.0 tonnes	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1959	to	1960	A few hundred tonnes of low grade dump material was carted to a trial copper precipitation plant at Fountain Springs. This operation was unsuccessful.
1976	to	1981	Open cut mined by Foschi Enterprises Pty Ltd for cupriferous silica flux for Mount Isa Mines.

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	Collapsed
ADITS	
UNDERGROUND MINING METHODS	
STOPING	
PITS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	2701	100.00%	CORELLA VALLEY CORPORATION PTY LTD
ML	90106	100.00%	CORELLA VALLEY CORPORATION PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE PALAEOPROTEROZOIC

Comments

Spur of ridge has been open cut on two sides, leaving a small, irregular unworked section.

Web Page

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493656 **LADY LORETTA**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 32 KM WEST-SOUTH-WEST OF GUNPOWDER, 105KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 297365 mE 7812917 mN Latitude -19.7690 Longitude 139.0660 Date Recorded: 31/January/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ZINC	LARGE	2 000 000 - 5 000 000 tonnes ZN
LEAD	MEDIUM	100 000 - 2 500 000 tonnes PB
SILVER	MEDIUM	500 - 5 000 tonnes AG

Production Details

Period: 1-Jul-1996 to 30-Jun-1997

LEAD	METAL	31.9 tonnes
SILVER		41.4 kilograms
ZINC	METAL	90.4 tonnes

Period: 1-Jul-2012 to 30-Jun-2016

LEAD	METAL	70,333.0 tonnes
SILVER		76,856.1 kilograms
ZINC	METAL	199,540.0 tonnes

Published Reserves/Resources

BR 10427 Published in 2015 **LADY LORETTA**

INDICATED MINERAL RESOURCE 4,300,000 tonnes Ore @

14.00 % ZINC **FOR** 602,000 Tonnes ZINC

74.00 g/t SILVER **FOR** 318,200 Kilograms SILVER

3.80 % LEAD **FOR** 159,600 Tonnes LEAD

Comments/Cut Off Factor: US$35/t net smelter return

As at 31 Dec 2014. Resource figures from Glencore Plc website. Includes proved ore reserves of 4.2Mt at 13%Zn, 3.2%Pb and 61g/t Ag.

BR 10427 Published in 2015 **LADY LORETTA**

INFERRED MINERAL RESOURCE 1,000,000 tonnes Ore @

14.00 % ZINC **FOR** 140,000 Tonnes ZINC

80.00 g/t SILVER **FOR** 80,000 Kilograms SILVER

5.00 % LEAD **FOR** 75,000 Tonnes LEAD

Comments/Cut Off Factor: US$35/t net smelter return

As at 31 Dec 2014. Resource figures from Glencore Plc website.

BR 10427 Published in 2015 **LADY LORETTA**

MEASURED MINERAL RESOURCE 6,880,000 tonnes Ore @

16.00 % ZINC **FOR** 1,100,800 Tonnes ZINC

92.70 g/t SILVER **FOR** 637,776 Kilograms SILVER

5.96 % LEAD **FOR** 410,048 Tonnes LEAD

Comments/Cut Off Factor: US$35/t net smelter return

As at 31 Dec 2014. Resource figures from Glencore Plc website. Includes proved ore reserves of 6.79Mt at 13.1%Zn, 5.01%Pb and 77g/t Ag.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10427	2015	GLENCORE	GLENCORE RESOURCES & RESERVES AS AT 31 DECEMBER 2014.	HTTP://WWW.GLENCORE.COM/ASSETS/INVESTORS/DOC/REPORTS_AND_RESULTS/2014/GLEN-2014-RESOURCES-RESERVES-REPORT.PDF

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Pancontinental conducted a feasibility study and sank an exploration shaft to greater than 400m depth.
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 5568	100.00%	NORANDA PACIFIC PTY LIMITED

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Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT OXIDE DOMAIN	Lady Loretta Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (SEDEX ZN-PB, SHALE-HOSTED ZN-PB)

Mineralisation Age

ORE	PALAEOPROTEROZOIC to MESOPROTEROZOIC	Sphalerite-galena-barite mineralisation associated with laminated pyrite beds. 1647 +- 4 Ma. derived by Page (1997) from putative tuffs within the ore host sedimentary sequence.

Comments

The Lady Loretta mineralisation occurs as a stratiform, massive sulphide lens within carbonate-rich silts and shales, tightly folded into a basinal structure. Three main ore types are recognised: stratiform ore comprising laminated pyrite-sphalerite-galena mineralisation, high-grade ore comprising banded, recrystallised sphalerite-galena sulphides, and barite-chert sulphide comprising low-grade iron sphalerite within recrystallised bands with pyrite.

Metallurgical testing has indicated that the ore responds favourably to conventional flotation separation techniques at a grind size of 35 microns.

The project is held 75% by Xstrata Plc (following its takeover over of the merged Noranda and Falconbridge) and 25% by Cape Lambert Iron Ore Ltd (following its acquisition of CopperCo Ltd).

The Lady Loretta mine was commissioned in September 2012. Commercial-scale mining commenced in mid-2013 and the full production rate of 1.6 Mtpa is expected to be reached by the end of March 2015.

Ore is transported to Glencore's Mount Isa complex for processing where it is blended with ore from the George Fisher, Black Star and Handlebar Hill mines. The high-grade Lady Loretta ore lifts average grades and metal production.

In 2014, a review of both geological and resource models was undertaken in response to variation between modelled tonnes and reconciled tonnages and grades. Underground diamond drilling and mapping has shown a higher degree of variability and structural complexity than was previously modelled. The total Ore Reserve tonnage decreased by 0.57Mt, although 0.97Mt was mined in 2014.

Mine production totalling 0.97Mt at 12.7% Zn, 5.5% Pb and 112g/t Ag respectively were depleted from the Ore Reserves and Mineral Resources for the period January 2014 to December 2014. The LOM plan based on current Reserves extends until 2021.

Web Page

www.glencore.com

Queensland Minerals

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45363 **LADY LUCK**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 20.5 KM NORTH-NORTH-EAST OF BAMAGA, 705KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7376 THURSDAY ISLAND

Grid Reference: Zone 54 658024 mE 8814867 mN Latitude -10.7176 Longitude 142.4450 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Camp Flat

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Published Reserves/Resources

Company Report 3113 Published in 1990

INFERRED MINERAL RESOURCE 660,000 cubic metres Ore @ 0.19 kg/m*3 CASSITERITE **FOR** 127 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1955	to	1955	Unknown amount of cassiterite produced by Russell and Williams (ML 15).
1959	to	1959	A 5-man party worked the Lady Luck lease using a mobile treatment plant. A area behind the foredunes was worked.

Mining Operations	Comments
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14601	100.00%	HADLEY CASTLE PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

He also reported finding primary cassiterite mineralisation on a nearby ridge. Consolidated Mining Industries Ltd carried out auger drilling in the area and calculated an inferred resource of 0.66 Mm3 at 193 g/m3 cassiterite.

Russell and Williams applied for ML 15 'Lady Luck' in January 1955 and surrendered the lease in October 1955. According to the Annual Report of the Department of Mines, an unknown amount of alluvial cassiterite was produced.

Robertson (1959) reported that a 5-man party was working the Lady Luck lease using a mobile treatment plant. An area behind the foredune was worked. P.E. Gould reported that pits in the area returned a trace to 297 g/m3 cassiterite.

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Queensland Minerals

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38793 **LADY MARIA LODE**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 1.8 KM SW OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 421204 mE 7778577 mN Latitude -20.0882 Longitude 146.2463 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Sisters
Clark'S Gold Mine
New Hidden Treasure
Lady Maria
Maria Gully
The Sisters
Lady Maria No 1 North
Lady Maria And Hidden Treasure
Hidden Treasure
Hidden Treasure Mt Lady Maria
Pc Lady Maria
Lady Maria Pc
Hidden Treasure No. 1 South

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1888	to	31-Dec-1905		6,215	tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	74.4 kilograms	
Period:	1-Jan-1914	to	31-Dec-1924		26,417	tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	1,741.8 kilograms	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1888	to	1905	Lady Maria workings consisted of two underlie shafts, sisters mine consisted of two vertical shafts and Hidden Treasure at least one underlie.
1914	to	1924	Worked via Clark's Gold Mine Shaft and a reopened Lady Maria underlie (worked by Clark's Gold Limited).

Mining Operations	Comments
SHAFTS	At least 5 vertical shafts
UNDERGROUND MINING METHODS	
INCLINED SHAFTS / DRIVES	At least 3 vertical shafts

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15964	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Web Page

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479212 **LADY MARY**

ABANDONED MINE

Descriptive Location: 0.4 KM NE OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 631721 mE 7986964 mN Latitude -18.2024 Longitude 142.2456 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1887 to 31-Dec-1936 8,760 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	519.4 kilograms	59.29 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 9438	100.00%	CRATER GOLD MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

The first reef mined at Croydon. The outcrop has a distinct south-westerly dip, but in places the reef was exposed as a horizontal sheet of quartz and has a "basin" shape at its north-western end (Dunstan, 1907). The reef is much disturbed by faulting.

Web Page

www.goldaura.com.au

Queensland Minerals

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43615 **LADY ROSE**

ABANDONED MINE

Descriptive Location: 53.9KM ESE OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 393304 mE 7688119 mN Latitude -20.9041 Longitude 139.9741 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Rose

Commodities	Size	Size Definition
COPPER	VERY SMALL	<500 tonnes CU
SILICA	SMALL	1 000 - 1 000 000 t SIO
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	31-Dec-1942			59 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	13.4 tonnes	22.60 percent
GOLD			BULLION	0.1 kilograms	1.63 grams per tonne
Period: 1-Jan-1966	to	31-Dec-1968		76 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	6.4 tonnes	8.40 percent
Period: 1-Jan-1975	to	31-Dec-1975			
SILICA				12,639.6 tonnes	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1975	to	1975	Mined by Blumac Mining for cupriferous silica flux for Mount Isa Mines.

Mining Operations	Comments
OPEN CUT MINING	Three north-trending benches.
SHAFTS	Remains of two old shafts in side of middle bench.

Tenure Type/Number	SHARE	Company Name/Surname
EPM 11919	100.00%	CST MINERALS LADY ANNIE PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

Held by Millenium Minerals (Operations) Pty Ltd, a wholly-owned subsidiary of CopperCo Ltd.

Web Page

www.copperco.com.au

Queensland Minerals

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36452 **LANCELOT**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 8.2 KM ESE OF IRVINEBANK.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 316914 mE 8069769 mN Latitude -17.4505 Longitude 145.2760 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Pride Of The Valley
Prospectors Claim
Reibel'S Tunnel

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
LEAD	VERY SMALL	<1000 tonnes PB
SILVER	VERY SMALL	<5 tonnes AG
COPPER	VERY SMALL	<500 tonnes CU
BISMUTH	VERY SMALL	<50 tonnes BI
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Period: 1-Jan-1897 to 31-Dec-1988 22,130 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE		1,369.0 tonnes
LEAD	METAL	6.1 tonnes
SILVER		25.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1891	to	1891	Lode discovered by George Harrod, Harry Hammond and John White.
1899	to	1907	Mine purchased by a German company called Lancelot Company. A battery constructed and commenced crushing in April 1902. Company renamed to Lancelot Freehold Tin and Copper Mines Ltd in 1903. Main period of production.
1907	to	1907	Company attempted to reopen mine but failed in same year.
1911	to	1912	Mine sold to John Moffat in August 1911. Additional reserves found and mine operated profitable until 1912 when it was abandoned again.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14741	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE	LATE CARBONIFEROUS

Comments

This is one of a largest copper, lead and silver workings in the Silver Valley area. The deposit is located on high ground and near the boundary of a very large conglomerate formation.
The mineralised lode trends 125 degrees in ferruginous meta-arenite and is related to shearing.

Web Page

www.nqm.com.au

Queensland Minerals

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493657 **LANGI**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 25 KM SOUTH-WEST OF WESTMORELAND, 350KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6562 HEDLEYS CREEK

Grid Reference: Zone 54 192522 mE 8061165 mN Latitude -17.5146 Longitude 138.1043 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 5054 Published in 1987

MEASURED MINERAL RESOURCE 91,670 tonnes Ore @ 0.12 % URANIUM OXIDE **FOR** 110 Tonnes URANIUM OXIDE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5054	1987	BATTEY, G.C., MIEZITIS, Y., & MCKAY, A.D.	Australian uranium resources	Bureau of Minerals Resources, Geology and Geophysics, Australia, Resource Report 1.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14558	100.00%	TACKLE RESOURCES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Westmoreland Conglomerate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	UNCONFORMITY-RELATED DEPOSIT
DETAILED OREBODY MODEL	UNCONFORMITY U-AU (VEIN-TYPE U)

Mineralisation Age

ORE	NEOPROTEROZOIC	Dating of nine uraniferous samples from the Westmoreland area indicates one major mineralising event at 812+-55Ma (Schindlmayr & Beerbaum, 1986).

Comments

This prospect is now held by Canadian company Laramide Resources Ltd, which has acquired Tackle Resources Pty Ltd. Laramide completed a scoping study over the Westmoreland area in April 2007.

Web Page

www.laramide.com; www.uic.com.au

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45365 **LARADEENYA CREEK**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 14.4 KM NORTH-NORTH-EAST OF BAMAGA, 700KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7376 THURSDAY ISLAND

Grid Reference: Zone 54 659125 mE 8807667 mN Latitude -10.7827 Longitude 142.4554 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Paterson Grid

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
ZIRCON	VERY SMALL	<2 500 tonnes ZIR
RUTILE	VERY SMALL	<2 000 tonnes RUT

Production Details

Published Reserves/Resources

Company Report 3113 Published in 1990

INFERRED MINERAL RESOURCE 7,000,000 cubic metres Ore @ 0.20 kg/m*3 CASSITERITE **FOR** 1,372 Tonnes CASSITERITE

Includes inferred 2,200,000 cubic metres at 0.445kg cassiterite per cubic metre.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	16754	100.00%	GULF ALUMINA LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Laradeenya Creek is within the New Mapoon DOGIT.

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45366 **LARADEENYA FLATS**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 14.5 KM NORTH-NORTH-EAST OF BAMAGA, 700KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7376 THURSDAY ISLAND

Grid Reference: Zone 54 656125 mE 8809167 mN Latitude -10.7693 Longitude 142.4279 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Published Reserves/Resources

Company Report 3113 Published in 1990

INFERRED MINERAL RESOURCE 2,440,000 cubic metres Ore @ 0.45 kg/m*3 CASSITERITE **FOR** 1,103 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Matilda Minerals has applied for EPM 15224 and intends to explore for Pleistocene and Holocene strandline mineral sand deposits in the Cape York area. Laradeenya Flats is within the New Mapoon DOGIT.
Consolidated Mining Industries Ltd carried out auger drilling and calculated an inferred resource of 2.44 Mm3 at 452 g/m3 cassiterite.

Web Page

www.matildaminerals.com

Queensland Minerals

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45368 **LARADEENYA SOUTH**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 12.3 KM NNE OF BAMAGA, 700KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7376 THURSDAY ISLAND

Grid Reference: Zone 54 654825 mE 8807367 mN Latitude -10.7856 Longitude 142.4161 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Published Reserves/Resources

Company Report 3113 Published in 1990

INFERRED MINERAL RESOURCE 1,430,000 cubic metres Ore @ 0.23 kg/m*3 CASSITERITE **FOR** 329 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Matilda Minerals Ltd has applied for EPM 15224 and intends to explore for Pleistocene and Holocene strandline mineral sand deposts in the Cape York area. Laradeenya South is within the New Mapoon DOGIT.
Consolidated Mining Industries Ltd carried out auger drilling and calculated an inferred resource of 1.43 Mm3 at 230 g/m3 cassiterite.

Web Page

www.matildaminerals.com

Queensland Minerals

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493546 **LARGE LODE**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 12KM EAST OF MARLBOROUGH, WEST BANK OF PRINCHESTER CREEK, PORTION 16 PARISH PRINCHESTER, 150KM N

1:100 000 sheet Number and Name: 8952 PRINCHESTER

Grid Reference: Zone 56 194927 mE 7455596 mN Latitude -22.9800 Longitude 150.0245 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
CHROMITE	MEDIUM	10 000 - 1 000 000 tonnes CHR

Production Details

Published Reserves/Resources

BR 5661 Published in 1985 **LARGE LODE**

INFERRED MINERAL RESOURCE 86,000 tonnes Ore @ 28.00 % CHROMITE **FOR** 24,080 Tonnes CHROMITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5661	1985	PRATT, R.	AUSTRALIA'S CHROMITE RESOURCES.	AUSTRALIAN MINERAL INDUSTRY QUARTERLY, 36 (4) 1983, 117-132.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARLBOROUGH PROVINCE	Princhester Serpentinite / NEOPROTEROZOIC to EARLY PALAEOZOIC

Deposit Model

GENERAL OREBODY MODEL	MAFIC VOLCANIC RELATED DEPOSIT
DETAILED OREBODY MODEL	PODIFORM CHROMITE (ALPINE TYPE)

Mineralisation Age

ORE	PALAEOZOIC	Disseminated crystals of chromite in serpentinite. Age is emplacement age.

Comments

The deposit has been extensively costeaned and disturbed during exploration. The massive and granular chromite present in the deposit is extensively fractured and veined by a fine network of serpentinous gangue minerals.
Large Lode is located at the junction of two gullies on the western side of Princhester Creek.

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496734 **LAROONA LIME**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 80KM WEST OF TOWNSVILLE

1:100 000 sheet Number and Name: 8059 EWAN

Grid Reference: Zone 55 393358 mE 7865827 mN Latitude -19.2985 Longitude 145.9850 Date Recorded: 16/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	VERY SMALL	<100 000 tonnes LST
GYPSUM	SMALL	5 000 - 5 000 000 tonnes GYP

Production Details

Period: 1-Jul-1996 to 30-Jun-2008

LIMESTONE CRUSHED ROCK 59,835.8 tonnes

Period: 1-Jul-2001 to 30-Jun-2002

GYPSUM 15,536.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	10199	33.00%	WILKINS	Maxwell John
ML	10199	33.00%	WILKINS	Robert James
ML	10199	33.00%	WILKINS	Russell Ross
ML	10329	33.00%	WILKINS	Maxwell John
ML	10329	33.00%	WILKINS	Robert James
ML	10329	33.00%	WILKINS	Russell Ross
ML	10330	33.00%	WILKINS	Maxwell John
ML	10330	33.00%	WILKINS	Robert James
ML	10330	33.00%	WILKINS	Russell Ross

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BURDEKIN BASIN	Mount Podge Limestone / EARLY DEVONIAN to MIDDLE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL LIMESTONE DEPOSIT

Mineralisation Age

ORE DEVONIAN

Comments

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44301 **LARRADS HILL**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 27 KM NORTH-WEST OF PORTLAND ROADS, 510KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7573 TEMPLE BAY

Grid Reference: Zone 54 737822 mE 8617566 mN Latitude -12.4964 Longitude 143.1883 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
IRON	SMALL	5 000 - 5 000 000 tonnes FE
MANGANESE	SMALL	100 - 100 000 tonnes MN
MAGNETITE	VERY SMALL	<50 000 tonnes MT

Production Details

Published Reserves/Resources

Company Report 724 Published in 1962 **LARRADS HILL SCREE**

INFERRED MINERAL RESOURCE 190,000 tonnes Ore @

33.40 % IRON **FOR** 63,460 Tonnes IRON

14.30 % MANGANESE **FOR** 27,170 Tonnes MANGANESE

Comments/Cut Off Factor: Average grade 33.4% Fe, 14.3% Mn, 11.2% silica and 9.6% alumina.

Company Report 724 Published in 1962 **LARRADS-SCRUBBY-LUNCH-PIG HOLE**

INFERRED MINERAL RESOURCE 2,500,000 tonnes Ore @

47.10 % IRON **FOR** 1,177,500 Tonnes IRON

1.60 % MANGANESE **FOR** 40,000 Tonnes MANGANESE

Comments/Cut Off Factor: Average surface grade 47.1% Fe, 1.6% Mn, 23.5% silica and 9.6% alumina.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
IRON RANGE PROVINCE	Sefton Metamorphics / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY IRON FORMATION (SUPERIOR TYPE FE)

Mineralisation Age

ORE PRECAMBRIAN to CENOZOIC

Comments

Vertical lenses of magnetite-hematite quartzite occur in schists of the Sefton Metamorphics. Manganiferous iron formation, low in silica, occur as bands overlying the siliceous bodies. The magnetite content of near-surface material is highly variable.
The manganese content of the cap rocks is also highly variable. Exploration carried out by BHP in 1959 to 1962 was insufficient to calculate precise resource figures. Larrads Hill is now within the Iron Range National Park.

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480442 **LAURA JEAN**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 24.9 KM EAST OF GEORGETOWN, 240KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7661 GEORGETOWN

Grid Reference: Zone 54 794260 mE 7973346 mN Latitude -18.3092 Longitude 143.7836 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
FLUORITE	SMALL	50 - 50 000 tonnes FL
URANIUM	VERY SMALL	<100 tonnes U
MOLYBDENUM	VERY SMALL	<50 tonnes MO

Production Details

Published Reserves/Resources

Company Report 8029 Published in 1980 **LAURA JEAN**

INFERRED MINERAL RESOURCE

1,500 Tonnes FLUORITE

10 Tonnes URANIUM OXIDE

The dimensions of a cylindrical ore body were assumed when calculating the resource figure.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Routh Dacite / EARLY CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	INTRUSIVE-RELATED URANIUM

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

Mineralisation occurs within a faulted and brecciated dacite dyke zone. In the most intensely mineralised parts of the breccia, fluorite has extensively replaced earlier dacite and microgranite fragments. The fluorite breccia is highly radioactive.

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486615 **LEGEND**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 25.4KM NW OF QUAMBY

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 410411 mE 7767866 mN Latitude -20.1845 Longitude 140.1426 Date Recorded: 8/February/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

BR 9894 Published in 2012 **NATIVE COPPER**

INFERRED MINERAL RESOURCE 7,080,000 tonnes Ore @ 0.59 % COPPER **FOR** 41,772 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut off grade

2015 resources are combined figures of the 2012 detailed info, so here data not updated.

BR 9894 Published in 2012 **SULPHIDE**

INFERRED MINERAL RESOURCE 9,800,000 tonnes Ore @ 0.51 % COPPER **FOR** 49,980 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut off grade

BR 9894 Published in 2012 **TRANSITIONAL**

INFERRED MINERAL RESOURCE 550,000 tonnes Ore @ 0.54 % COPPER **FOR** 2,970 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut off grade

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9894	2012	ALTONA MINING LIMITED	FURTHER RESOURCE UPGRADE AT ROSEBY PROJECT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 22 AUGUST 2012. ALTONA MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8506	100.00%	ROSEBY COPPER PTY LTD
ML	90164	50.00%	ROSEBY COPPER PTY LTD
ML	90164	50.00%	ALTONA MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Mount Roseby Schist / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL SEDIMENT-HOSTED CU (INCLUDES CU-SHALE)

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

This deposit forms part of Altona Mining Limited's Roseby Copper Project.
The oxide ore contains native copper (50 to 70%), copper in clays and micas (30 to 40%), and chalcocite (<10%), and is the result of weathering of primary stratabound sulphide deposits containing bornite and chalcopyrite.
Drilling announced in January 2011 gave intersections of 48m @ 0.6% Cu from 56m (BCR873) and 21m @ 1.1% Cu from 88m (BCR872). These drillholes tested an easterly strike extension of the Legend resource. Mineralisation remains open in all directions.

Web Page

www.altonamining.com

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512533 **LEICHHARDT**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 63KM NE OF MOUNT ISA, 37.1KM SSE OF GERETA HOMESTEAD.

1:100 000 sheet Number and Name: 6857 PROSPECTOR

Grid Reference: Zone 54 388920 mE 7749966 mN Latitude -20.3451 Longitude 139.9358 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Prospector Prospect

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 8922 Published in 2008 **LEICHHARDT**

INDICATED MINERAL RESOURCE 894,000 tonnes Ore @ 1.00 % COPPER **FOR** 8,940 Tonnes COPPER

Comments/Cut Off Factor: Cutoff grade 0.5% copper

BR 8922 Published in 2008 **LEICHHARDT**

INFERRED MINERAL RESOURCE 241,000 tonnes Ore @ 0.90 % COPPER **FOR** 2,169 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cutoff grade

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8922	2008	MATRIX METALS LIMITED	ANNUAL REPORT 2008.	MATRIX METALS LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90066	100.00%	MALACO LEICHHARDT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Ballara Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

This deposit is a potential source of ore for the mining operation at Mount Cuthbert.
Drilling results announced in 2008 included 23m at 1.21% Cu from 11m, 9m at 1.07% Cu from 15m, 3m at 1.86% Cu from 132m and 3m at 1.23% Cu from 48m.

Web Page

www.matrixmetals.com.au

Other Names for Deposit / Mine

Mount Cuthbert Copper Project
Leichhardt Copper Project

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Period: 1-Jul-1996 to 30-Jun-2001

COPPER	PLATE	2,759.0 tonnes

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Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference	ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1996	to	2000	Operated by Murchison United NL.
2000	to	2002	Operated by Matrix Metals Ltd.

Mining Operations	Comments
OPEN CUT MINING	Open cuts at the Mount Cuthbert, Warwick Castle, Dobbyn, Crusader and Orphan deposits.

Tenure Type/Number		SHARE	Company Name/Surname
ML	2747	100.00%	MALACO LEICHHARDT PTY LTD
ML	2748	100.00%	MALACO LEICHHARDT PTY LTD
ML	90090	100.00%	MALACO LEICHHARDT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*

Deposit Model

Mineralisation Age

Comments

Murchison United NL began production from an operation in 1996. Heap leaching & solvent extraction/electrowinning were used. The mine was purchased by Matrix Metals Ltd in early 2000. Open pit mining recommenced in July 2000.

By June 2002, >1.4Mt of oxide ore from five deposits (Mount Cuthbert, Crusader, Dobbyn, Orphan and Warwick Castle) had been mined and stacked. High grade Electrostatic Precipitator (ESP) dust purchased from Mount Isa MInes is also stacked with the ore.

Copper production from the leach pads was suspended in mid-September 2002. Matrix then carried out resource drilling with a view to reopening the plant.

The new operation is based on the Mount Watson resource. Other prospects with potential to feed the plant include Leichhardt, Ned Kelly, Mighty Atom, Little Wonder, Mount Millicent, Mount Cuthbert Extended and Hidden Treasure.

In December 2006, Matrix announced that it had received final approvals to move the Mount Cuthbert plant and infrastructure from care and maintenance to operating status. The SX-EW plant was refurbished and reopened as the Leichhardt plant.

In June 2007, 30t of copper was stripped and bundled as part of the final commissioning stages. Copper cathode was produced using copper solution in the leach pads from previous stacking of material.

Copper cathode production using Mount Watson ore commenced in July 2007. A total of 140t of copper was delivered to Townsville for sale to Glencore International AG.

Commissioning of the expansion of the plant was completed in September 2008. Copper production was being ramped up from 5500tpa to 9000tpa. In Novemebr 2008, the company went into voluntary administration as a result of falling copper prices and debt.

Web Page

www.matrixmetals.com.au

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43719 **LEICHHARDT CREEK TIN MINE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 11.9 KM ESE OF MOUNT CARBINE, 65KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7964 RUMULA

Grid Reference: Zone 55 311174 mE 8164970 mN Latitude -16.5899 Longitude 145.2301 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Leichhardt Creek

Maryfarms

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Period: 1-Jan-1995 to 31-Dec-1997

CASSITERITE 94.0 tonnes

Published Reserves/Resources

BR 8651 Published in 2008

LEICHHARDT CREEK

INDICATED MINERAL RESOURCE 1,300,000 cubic metres Ore @ 393.00 g/m*3 TIN **FOR** 511 Tonnes TIN

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8651	2008	CONSOLIDATED TIN MINES LTD	THIRD QUARTER ACTIVITIES AND CASHFLOW REPORT.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 28 APRIL 2008. CONSOLIDATED TIN MINES LTD, CAIRNS.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1995	to	1997	Mining by Norminco Ltd using a 1.5million bcm/pa alluvial floating concentrator.

Mining Operations	Comments
DREDGING	

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	20416	100.00%	WALLACE	Ian Earl

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Leichhardt Creek drains the western side of Mount Lewis, which contains numerous cassiterite- and wolframite-bearing quartz and quartz greisen veinlets within the Mount Carbine Granite.

Web Page

www.consolidatedtinmines.com.au

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43620 **LILLIMAY**

ABANDONED MINE

Descriptive Location: 45.5KM S OF GERETA HOMESTEAD

1:100 000 sheet Number and Name: 6857 PROSPECTOR

Grid Reference: Zone 54 377534 mE 7740336 mN Latitude -20.4314 Longitude 139.8261 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Lillymay
Lillimay Extended
Fairth Workings
Lillimay No.1
Lillimay Extended No.1
Lillimay Royal

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jul-1953	to	30-Jun-1954		770	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	51.7 tonnes	6.70 percent
Period:	1-Jul-1956	to	30-Jun-1957		655	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	47.7 tonnes	7.30 percent
Period:	1-Jan-1967	to	31-Dec-1975		6,464	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	425.0 tonnes	6.60 percent

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1956	to	1957	Lease held by T.R. McMillan and party (Lillimay Mining Syndicate).
1971	to	1976	Angeli Mining Company reopened the eastern workings in 1971. The shaft at the western workings was cleaned out in 1975 and open cut mining commenced. The mine closed in 1976 due to a fall in the copper price.

Mining Operations	Comments
SHAFTS	
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
TRENCHES	Open stopes
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KALKADOON-LEICHHARDT DOMAIN	Leichhardt Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
KALKADOON-LEICHHARDT DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	PROTEROZOIC

Comments

Web Page

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494076 **LILY CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 86 KM NORTH-WEST OF MOUNT ISA.

1:100 000 sheet Number and Name: 6657 YELVERTOFT

Grid Reference: Zone 54 263620 mE 7744565 mN Latitude -20.3824 Longitude 138.7352 Date Recorded: 18/February/2014

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

BR 5107 Published in 1996 **LILY CREEK**

INFERRED MINERAL RESOURCE 191,000,000 tonnes Ore @ 14.90 % PHOSPHATE **FOR** 28,459,000 Tonnes PHOSPHATE

Average grade of 14.9% P2O5.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5107	1996	DRAPER, J.J.	Phosphate - Queensland Mineral Commodity Report.	Queensland Government Mining Journal, 97 (1131), 14-25.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14912	100.00%	KING EAGLE RESOURCES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Beetle Creek Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	MIDDLE CAMBRIAN

Comments

The development of this deposit appears unlikely in the short term because of the cover depth and the current development of much larger and more easily mined deposits at Phosphate Hill.
Golden Cross Resources Pty Ltd bought out King Eagle Resources Pty Ltd in May 2007 and is targeting the Lily Creek prospect for possible uranium potential.
Legend International Holdings Inc entered into a joint venture agreement with Golden Cross Resources Ltd over the phosphate resources in May 2008.
2012

Web Page

http://www.goldencross.com.au; www.lgdi.net

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585894 **LILYVALE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 40KM NW OF RICHMOND

1:100 000 sheet Number and Name: 7457 RUNNYMEDE

Grid Reference: Zone 54 687718 mE 7735546 mN Latitude -20.4693 Longitude 142.7997 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
VANADIUM OXIDE	LARGE	>10 000 tonnes V
MOLYBDENUM	MEDIUM	5 000 - 200 000 tonnes MO

Production Details

Published Reserves/Resources

BR 9452 Published in 2010 **LILYVALE**

INFERRED MINERAL RESOURCE 410,670,000 tonnes Ore @

0.44 % VANADIUM OXIDE **FOR** 1,806,948 Tonnes VANADIUM OXIDE

0.03 % MOLYBDITE **FOR** 136,342 Tonnes MOLYBDITE

Includes 87.7Mt at 0.55% V2O5 and 0.0384% MoO3.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9452	2010	INTERMIN RESOURCES LIMITED	RESOURCES UPDATE - RICHMOND, QUEENSLAND. 410 MILLION TONNES GRADING 0.44% V2O5 OUTLINED AT LILYVALE.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 12 MARCH 2010. INTERMIN RESOURCES LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
EROMANGA BASIN	Toolebuc Formation / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	CRETACEOUS

Comments

Lilyvale forms part of Intermin Resources' Julia Creek-Richmond Vanadium-Molybdenum Project. Lilyvale hosts the best grade, width and thickness in the project area.

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501291 **LIME CREEK**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 51.2 KM WEST OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 398151 mE 7718488 mN Latitude -20.6300 Longitude 140.0224 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST
COPPER	VERY SMALL	<500 tonnes CU
MOLYBDENUM	VERY SMALL	<50 tonnes MO

Production Details

Period: 1-Jan-1968 to 31-Dec-1981

LIMESTONE OTHER 225,587.4 tonnes

Period: 1-Jul-1997 to 30-Jun-1998

LIMESTONE CRUSHED ROCK 50,988.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
ML 2485	100.00%	MOUNT ISA MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL LIMESTONE DEPOSIT

Mineralisation Age

ORE PALAEOPROTEROZOIC

Comments

Cu-Mo mineralisation in calcite. The deposit has been mined for limestone flux for the Mount Isa smelters.

Web Page

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44325 **LIME PRODUCTS MARBLE QUARRY**

ABANDONED MINE

Descriptive Location: 13.8 KM NORTH-NORTH-EAST OF TEXAS, 220KM SW OF BRISBANE.

1:100 000 sheet Number and Name: 9140 TEXAS

Grid Reference: Zone 56 326855 mE 6819356 mN Latitude -28.7415 Longitude 151.2269 Date Recorded: 16/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
MARBLE	MEDIUM	100 000 - 1 000 000 tonnes MARB
LIMESTONE	MEDIUM	2 000 000 - 10 000 000 tonnes LST
BUILDING STONE	SMALL	100 000 - 2 000 000 tonnes BLST

Production Details

Period: 1-Jan-1932 to 31-Dec-1975

MARBLE 22,793.0 tonnes

Published Reserves/Resources

BR 2818 Published in 1973

INFERRED MINERAL RESOURCE

200,000 Tonnes Per Vertical Metre LIMESTONE

200 000 t per vertical metre and assuming 10m of lst.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 2818	1973	SIEMON, J.E.	LIMESTONE RESOURCES OF THE WARWICK-TEXAS AREA.	GEOLOGICAL SURVEY OF QUEENSLAND, REPORT 80.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Texas beds / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS	Marble.

Comments

There are two main outcrops on the lease. The western deposit comprises dark grey to black marble, veined in parts with calcite. The eastern deposit is blue-grey to light grey to white.

Web Page

Queensland Minerals

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494020 **LIMELIGHT**

ABANDONED MINE

Descriptive Location: 23.6 KM EAST-NORTH-EAST OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 363942 mE 7718095 mN Latitude -20.6314 Longitude 139.6941 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Barbara

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
LIMESTONE	VERY SMALL	<100 000 tonnes LST

Production Details

Period: 31-Dec-1971 167 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 17.9 tonnes 10.70 percent

Period: 1-Jan-1957 to 31-Dec-1957

LIMESTONE CRUSHED ROCK 659.0 tonnes

Published Reserves/Resources

Company Report 27465 Published in 1996 **NORTHERN AREA**

INFERRED MINERAL RESOURCE 28,000 tonnes Ore @ 2.12 % COPPER **FOR** 593 Tonnes COPPER

Comments/Cut Off Factor: 0.5%Cu cut-off. Estimate.

Company Report 27465 Published in 1996 **SOUTHERN END**

INFERRED MINERAL RESOURCE 150,000 tonnes Ore @ 2.27 % COPPER **FOR** 3,405 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cut-off. Estimate.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Both shafts open and both in the bottom of the open cuts. Shafts open out to 6 to 10m wide at the bottom.
OPEN CUT MINING	
PITS	60m to south-east
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KALKADOON-LEICHHARDT DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	VEIN CALCITE +/- CU

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

In 1957, Mr O.G. Philips supplied 659t of cupriferous limestone flux to Mount Isa Mines Ltd, most of it from the Limelight mine. The copper content of the calcite was <1% (BR 6361). Extensive malachite staining occurs on outcrops near the western open cut Resource figures for this deposit are confidential.

Web Page

www.summitresources.com.au

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45555 **LIMESTONE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 44 KM SE OF GREENVALE, 150KM W OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7959 CLARKE RIVER

Grid Reference: Zone 55 324900 mE 7884546 mN Latitude -19.1246 Longitude 145.3353 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	MEDIUM	2 000 000 - 10 000 000 tonnes LST

Production Details

Published Reserves/Resources

LIMESTONE

INFERRED MINERAL RESOURCE 3,800,000 tonnes Ore @
3,800,000 Tonnes LIMESTONE

Comments/Cut Off Factor: Resource reported to Department by David Mitchell Ltd in 1999.
Letter from Greg Cochrane (David Mitchell Limited) dated 25/10/1999.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	1360	100.00%	ZINABACK PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMEL CREEK SUBPROVINCE	Perry Creek Formation / LATE ORDOVICIAN to SILURIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	LATE ORDOVICIAN to EARLY DEVONIAN

Comments

Web Page

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44327 **LIMEVALE QUARRY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 9.9 KM NORTH OF TEXAS, 225KM SW OF BRISBANE.

1:100 000 sheet Number and Name: 9140 TEXAS

Grid Reference: Zone 56 323005 mE 6816576 mN Latitude -28.7660 Longitude 151.1870 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	LARGE	>10 000 000 tonnes LST
MARBLE	VERY SMALL	<10 000 tonnes MARB
BUILDING STONE	VERY SMALL	<100 000 tonnes BLST

Production Details

Period: 1-Jan-1939 to 31-Dec-1988

LIMESTONE OTHER 33,620.0 tonnes

Period: 1-Jul-1996 to 30-Jun-1999

LIMESTONE AGGREGATE / DECORATIVE AGGREGATE 6,771.0 tonnes

Period: 1-Jul-1998 to 30-Jun-2003

MARBLE 587.0 tonnes

Published Reserves/Resources

INFERRED MINERAL RESOURCE

15,000,000 Tonnes LIMESTONE

Comments/Cut Off Factor: Resource from correspondence from Greg Cochrane (David Mitchell Limited) dated 28/6/99

Ref: letter from Greg Cochrane, David Mitchell Limited, (28/06/1999).

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1939	to	1988	Worked by Lime Products Pty Ltd for marble and limestone chips, crushed lime and burnt lime.
1996	to	2002	Worked by David Mitchell Pty Ltd.
2002	to	2003	Worked by Unimin Lime (NSW) Pty Ltd.

Mining Operations	Comments
OPEN CUT MINING	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	50089	100.00%	SIBELCO LIME (NSW) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Texas beds / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	MARBLE DEPOSIT

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS	Limestone and marble.

Comments

This deposit has been worked for marble, limestone chips, crushed lime and burnt lime.

Web Page

http://www.unimin.com.au

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41217 **LINCOLN NO.1**

ABANDONED MINE

Descriptive Location: 50.2KM SSE OF MAYTOWN.

1:100 000 sheet Number and Name: 7765 MAYTOWN

Grid Reference: Zone 55 221415 mE 8174569 mN Latitude -16.4944 Longitude 144.3905 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ANTIMONY	SMALL	50 - 5 000 tonnes SB
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

Company Report 13423 Published in 1971 **LINCOLN NO.1**

INFERRED MINERAL RESOURCE 22,000 tonnes Ore @

3.00 % ANTIMONY **FOR** 660 Tonnes ANTIMONY

Maximum potential to 30m depth.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SIMPLE SB (QUARTZ-STIBNITE TYPE)

Mineralisation Age

ORE

Comments

This occurrence was mined by Nickelfields of Australia in 1970. Owing to the nature of the lodes which are sparsely distributed and do not increase in size with depth, mining by opencut was uneconomical. No official production figure is available.
No discrete antimony lode is exposed in this north trending opencut. However, stibnite and secondary antimony minerals are present in quartz fragments in the mullock.

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Queensland Minerals

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495459 **LINFIELD**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 35 KM NE OF JULIA CREEK, 250KM EAST OF MT ISA.

1:100 000 sheet Number and Name: 7257 WYALDRA

Grid Reference: Zone 54 601121 mE 7735166 mN Latitude -20.4793 Longitude 141.9696 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Linfield Block

Lindfield

Commodities	Size	Size Definition
VANADIUM OXIDE	LARGE	>10 000 tonnes V
MOLYBDENUM	MEDIUM	5 000 - 200 000 tonnes MO

Production Details

Published Reserves/Resources

BR 6614 Published in 1999

INFERRED MINERAL RESOURCE 170,000,000 tonnes Ore @ 0.46 % VANADIUM OXIDE **FOR** 780,000 Tonnes VANADIUM OXIDE

Oxide resource

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6614	1999	FIMISTON MINING NL	Annual Report 1999.	Fimiston Mining NL, West Perth.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CARPENTARIA BASIN	Toolebuc Formation / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	CRETACEOUS

Comments

This vanadium-bearing oil shale deposit is part of Intermin Resources Ltd's Julia Creek Vanadium-Molybdenum Project. The main exploration and mine feasibility studies have been carried out at the St Elmo Block resource, some 15km south-west of here.
Recent drilling results from the Linfield prospect - JRC0795 assayed 7m @ 0.45% V2O2, 373g/t MoO2 and drillhole JRC0797 assayed 0.44% V2O2 and 340 g/t MoO2.

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40469 **LION EXTENDED**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 5.9KM SW OF EWAN, 100KM WEST OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8059 EWAN

Grid Reference: Zone 55 373145 mE 7881660 mN Latitude -19.1542 Longitude 145.7937 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Period: 1-Jan-1965 to 621 tonnes KNOWN HISTORIC PRODUCTION

CASSITERITE 3.7 tonnes

Published Reserves/Resources

BR 1995 Published in 1971 **LION EXTENDED**

INFERRED MINERAL RESOURCE 16,000 tonnes Ore @ 1.20 % CASSITERITE **FOR** 192 Tonnes CASSITERITE

BR 1995 Published in 1971 **LION EXTENDED**

INFERRED MINERAL RESOURCE 22,550 tonnes Ore @ 1.35 % CASSITERITE **FOR** 304 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 1995	1971	LEVINGSTON, K.R.	MINERAL DEPOSITS AND MINES OF THE TOWNSVILLE 1:250 000 SHEET AREA, NORTH QUEENSLAND.	GEOLOGICAL SURVEY OF QUEENSLAND, REPORT 61.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAPE RIVER PROVINCE	Running River Metamorphics / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL INTRUSIVE-RELATED (PORPHYRY-RELATED)

DETAILED OREBODY MODEL TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

This resource comprises a moderately well defined quartz-chlorite lode in mica schist.

Web Page

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38906 **LIONTOWN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 41.9 KM SSW OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 402739 mE 7742920 mN Latitude -20.4095 Longitude 146.0678 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

New Queen
Liontown East
Olsen And Thorne

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
COPPER	SMALL	500 - 50 000 tonnes CU
LEAD	SMALL	1000 - 100 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1951 to 31-Dec-1961 9,434 tonnes HARD ROCK ORE (OR REEF)

GOLD	FINE	93.0 kilograms
SILVER		1,678.3 kilograms
LEAD	METAL	528.0 tonnes

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Published Reserves/Resources

BR 10529 Published in 2017

LIONTOWN OXIDE ORE

INDICATED MINERAL RESOURCE 36,000 tonnes Ore @

4.40 % ZINC	**FOR**	1,584 Tonnes ZINC
31.00 g/t SILVER	**FOR**	1,116 Kilograms SILVER
1.50 % LEAD	**FOR**	540 Tonnes LEAD
0.70 % COPPER	**FOR**	252 Tonnes COPPER
1.70 g/t GOLD	**FOR**	61 Kilograms GOLD

BR 10529 Published in 2017

LIONTOWN OXIDE ORE

INFERRED MINERAL RESOURCE 184,000 tonnes Ore @

4.70 % ZINC	**FOR**	8,648 Tonnes ZINC
1.30 % LEAD	**FOR**	2,392 Tonnes LEAD
12.00 g/t SILVER	**FOR**	2,208 Kilograms SILVER
1.00 % COPPER	**FOR**	1,840 Tonnes COPPER
0.80 g/t GOLD	**FOR**	147 Kilograms GOLD

BR 10529 Published in 2017

LIONTOWN PRIMARY ORE

INDICATED MINERAL RESOURCE 334,000 tonnes Ore @

4.60 % ZINC	**FOR**	15,364 Tonnes ZINC
20.00 g/t SILVER	**FOR**	6,680 Kilograms SILVER
1.90 % LEAD	**FOR**	6,346 Tonnes LEAD
0.40 % COPPER	**FOR**	1,336 Tonnes COPPER
1.20 g/t GOLD	**FOR**	400 Kilograms GOLD

BR 10529 Published in 2017

LIONTOWN PRIMARY ORE

INFERRED MINERAL RESOURCE 1,586,000 tonnes Ore @

4.60 % ZINC	**FOR**	72,956 Tonnes ZINC
28.00 g/t SILVER	**FOR**	25,480 Kilograms SILVER
1.50 % LEAD	**FOR**	23,790 Tonnes LEAD
0.50 % COPPER	**FOR**	4,550 Tonnes COPPER
0.80 g/t GOLD	**FOR**	1,268 Kilograms GOLD

BR 10529 Published in 2017

LIONTOWN TRANSITION ORE

INDICATED MINERAL RESOURCE 34,000 tonnes Ore @

4.00 % ZINC	**FOR**	1,360 Tonnes ZINC
29.00 g/t SILVER	**FOR**	986 Kilograms SILVER
1.30 % LEAD	**FOR**	442 Tonnes LEAD
0.50 % COPPER	**FOR**	170 Tonnes COPPER
1.40 g/t GOLD	**FOR**	47 Kilograms GOLD

BR 10529 Published in 2017

LIONTOWN TRANSITION ORE

INFERRED MINERAL RESOURCE 85,000 tonnes Ore @

5.40 % ZINC	**FOR**	4,590 Tonnes ZINC
1.70 % LEAD	**FOR**	1,445 Tonnes LEAD
15.00 g/t SILVER	**FOR**	1,275 Kilograms SILVER
0.70 % COPPER	**FOR**	595 Tonnes COPPER
0.40 g/t GOLD	**FOR**	34 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10529	2017	RED RIVER RESOURCES LIMITED	ASX ANNOUNCEMENT; RED RIVER INTERSECTS MULTIPLE SULPHIDE ZONES AT LIONTOWN EAST	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 31 JANUARY 2017 RED RIVER RESOURCES

Major Mining Related Events

Year Commenced	Year Completed	Comments

Operating Mine Life: 1951 to 1961 Pb-Zn lode discovered by Parsons and Jansen, worked by the New Queen and Liontown mines, among others.

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Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
INCLINED SHAFTS / DRIVES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14161	100.00%	CROMARTY RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
THALANGA PROVINCE	Trooper Creek Formation / EARLY ORDOVICIAN to EARLY ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE	
DETAILED OREBODY MODEL	VMS - KUROKO STYLE (NORANDA, FELSIC TO INTERMED VMS TYPE)	BASE METAL (POLYMETALLIC)

Mineralisation Age

ORE	EARLY ORDOVICIAN

Comments

227 m. Drilling results announced in June 2007 included 7 m at 9.7% Zn, 3.0% Pb, 0.4% Cu, 12 g/t Ag and 0.4 g/t Au from 181 m and 11 m at 5.0% Zn, 0.3% Pb, 0.2% Cu, 4.2 g/t Ag and 0.1 g/t Au from 219 m. Step-out drilling commenced along strike and down-dip. Follow-up drilling suggested a broadening of the mineralised Liontown Horizon to the west of the Liontown Resources area. There are a number of parallel lens structures.

The Liontown Horizon occurs at and below the contact of a silica-sericite-pyrite altered dacite pumice breccia unit overlying a sericite-pyritic siltstone. The Lionstone deposit consists of three stratiform base metal sulphide lodes.

Part of Liontown Resources Ltd's Mount Windsor Volcanic Project. Drilling results announced in May 2007 included 1 m at 5.6% Zn, 3.2% Pb, 0.3% Cu, 55.6 ppm Ag and 0.4 g/t from 224 m and 7 m at 8.6% Zn, 2.9% Pb, 0.6% Cu, 29.1 ppm Ag and 0.2 g/t Au from

Liontown Resources Ltd sold the Liontown deposit to Kagara Ltd in December 2009. Liontown has been acquired by Red River Resources in October 2014.

Web Page

http://www.redriveresources.com.au/

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43624 **LITTLE EVA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 28.9KM NNW OF QUAMBY

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 410672 mE 7772182 mN Latitude -20.1455 Longitude 140.1453 Date Recorded: 8/February/2016

Other Names for Deposit / Mine

Cabbage Tree

Commodities	Size	Size Definition
COPPER	LARGE	250 000 - 2 000 000 tonnes CU
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Period: 31-Dec-1958 232 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	27.4 tonnes	11.80 percent
GOLD	BULLION	0.2 kilograms	0.94 grams per tonne

Period: 1-Jan-1961 to 31-Dec-1961 9 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	1.1 tonnes	12.60 percent

Published Reserves/Resources

BR 9731 Published in 2011 **LITTLE EVA OXIDE**

INFERRED MINERAL RESOURCE 7,700,000 tonnes Ore @

0.39 % COPPER **FOR** 30,030 Tonnes COPPER

0.09 g/t GOLD **FOR** 693 Kilograms GOLD

Comments/Cut Off Factor: 0.2% Cu cutoff.

BR 10439 Published in 2015 **LITTLE EVA**

INDICATED MINERAL RESOURCE 45,000,000 tonnes Ore @

0.46 % COPPER **FOR** 207,000 Tonnes COPPER

0.08 g/t GOLD **FOR** 2,616 Kilograms GOLD

Comments/Cut Off Factor: 0.2% Cu cutoff.

BR 10439 Published in 2015 **LITTLE EVA**

INFERRED MINERAL RESOURCE 23,900,000 tonnes Ore @

0.50 % COPPER **FOR** 11,950 Tonnes COPPER

0.10 g/t GOLD **FOR** 2,390 Kilograms GOLD

Comments/Cut Off Factor: 0.2% Cu cutoff.

BR 10439 Published in 2015 **LITTLE EVA**

MEASURED MINERAL RESOURCE 37,100,000 tonnes Ore @

0.60 % COPPER **FOR** 222,600 Tonnes COPPER

0.09 g/t GOLD **FOR** 333 Kilograms GOLD

Comments/Cut Off Factor: 0.2% Cu cutoff.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10439	2015	ALTONA MINING LIMITED	ANNUAL REPORT 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, JULY 2015. ALTONA MINING LIMITED, PERTH.
BR 9731	2011	ALTONA MINING LIMITED	LITTLE EVA TURNS ONE HUNDRED	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 19 DECEMBER 2011. ALTONA MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1942	to	1942	Shaft sunk to 8m depth.

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90165	50.00%	ROSEBY COPPER PTY LTD
ML	90165	50.00%	ALTONA MINING LIMITED

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Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Feasibility study completed in 2006. Universal Resources announced that Little Eva will supply higher grade sulphide ore feedstock in the early years of the proposed operation. Proposed pre-stripping in late 2007 and copper production in late 2008.
Mining will be by open cut.
In December 2011, Altona announced an increase in the Little Eva resource to 108 million tonnes @ 0.52% Cu and 0.09% Au (BR 9737).

Web Page

www.altonamining.com

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588513 **LITTLE WIZARD**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 40 KM NE OF CHATSWORTH HOMESTEAD, 147 KM SE OF MOUNT ISA.

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 447400 mE 7604995 mN Latitude -21.6574 Longitude 140.4916 Date Recorded: 20/February/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
MOLYBDENUM	SMALL	50 - 5 000 tonnes MO
RHENIUM	SMALL	1 - 10 tonnes RHEN
COPPER	VERY SMALL	<500 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB
GOLD	VERY SMALL	<0.5 tonnes AU
COBALT	VERY SMALL	<10 tonnes CO

Production Details

Published Reserves/Resources

BR 9484 Published in 2010

LITTLE WIZARD

INDICATED MINERAL RESOURCE 15,000 tonnes Ore @

83.90 g/t RHENIUM	**FOR**	1,258 Kilograms RHENIUM
6.49 % MOLYBDENUM	**FOR**	973 Tonnes MOLYBDENUM
25.00 g/t SILVER	**FOR**	375 Kilograms SILVER
2.29 % COPPER	**FOR**	343 Tonnes COPPER
0.63 g/t GOLD	**FOR**	9 Kilograms GOLD
0.01 % LEAD	**FOR**	1 Tonnes LEAD
0.00 % COBALT	**FOR**	0 Tonnes COBALT

Comments/Cut Off Factor: 0.3% Mo cutoff
JORC 2004

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9484	2010	IVANHOE AUSTRALIA LIMITED	MOLYBDENUM MINERAL RESOURCE GRADE INCREASED 43% IN UPDATE FOR IVANHOE AUSTRALIA'S MERLIN DEPOSIT. MERLIN'S RHENIUM MINERAL RESOURCE GRADE INCREASED 49%. MOUNT DORE DEPOSIT CONTAINED COPPER INCREASED 14% IN UPDATED MINERAL RESOURCE.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 4 AUGUST 2010. IVANHOE AUSTRALIA LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
DECLINED SHAFTS/DRIVES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10783	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD
ML	2691	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Hampden Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Drill intersections at Little Wizard included 1.4m at 9.3% Mo and 103g/t Re from 96.6m, 1.8m at 12.9% Mo and 178g/t Re from 87m, 3.4m at 9.0% Mo and 109g/t Re from 90.5m and 4.3m at 15.0% Mo and 188g/t Re from 93.3m.

In 2012 the Little Wizard ore body was accessed 75m below surface within the Merlin decline. The Little Wizard orebody has an indicated resource of 15000t at 6.5% Mo and 84g/t rhenium (forms part of the Merlin Molybdenum and Rhenium Project) = worlds 2012 cont.: highest-grade molybdenum and rhenium deposit. An initial mine life of more than 10 years was estimated in the MERLIN Project Pre-Feasibility study, with an avergae steady-state production of approx. 5030t of Mo and 7.2t of rhenium per year.

The Little Wizard mineralisation appears to be the up-dip extension to the Merlin mineralisation and as such repeat pods of the Little Wizard-style mineralisation may exist for the full length of the Merlin deposit.

Given the high-grade nature of Little Wizard the potential sale of this material as Direct Shipping Ore (DSO) to generate early cash flow will be examined and could occur without the completion of the Merlin concentrator.

MDQ0276 - 1.4 m @ 9.3% Mo, 103 g/t Re from 96.6 metres; MDQ0278 - 1.8 m @ 12.9% Mo, 178 g/t Re from 87 metres; MDQ0279 - 3.4 m @ 9.0% Mo, 109 g/t Re from 90.5 metres; MDQ0280 - 4.3 m @ 15.0% Mo, 188 g/t Re from 93.3 metres (BR9311).

Web Page

www.chinova.com

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43625 **LITTLE WONDER**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 10.2KM NE OF MOUNT CUTHBERT MINE

1:100 000 sheet Number and Name: 6858 ALSACE

Grid Reference: Zone 54 394956 mE 7795116 mN Latitude -19.9375 Longitude 139.9962 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jan-1903	to	31-Dec-1959	1,735 tonnes HARD ROCK ORE (OR REEF)	
COPPER			OTHER	214.0 tonnes	12.40 percent
GOLD			BULLION	0.4 kilograms	0.24 grams per tonne
Period:	1-Jan-1969	to	31-Dec-1969	7 tonnes HARD ROCK ORE (OR REEF)	
COPPER			OTHER	0.5 tonnes	7.10 percent

Published Reserves/Resources

BR 8922 Published in 2008

LITTLE WONDER

INDICATED MINERAL RESOURCE 126,000 tonnes Ore @ 1.50 % COPPER **FOR** 1,890 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8922	2008	MATRIX METALS LIMITED	ANNUAL REPORT 2008.	MATRIX METALS LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments
	1896	Discovered
	1907	Held by the Mount Cuthbert Company
	1906	First worked

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	
TRENCHES	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90141	100.00%	MALACO LEICHHARDT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE PROTEROZOIC

Comments

Same line of lode as Trump and Mussolini. Quartz blow in middle of line of workings.

Web Page

www.matrixmetals.com.au

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42530 **LLAHSRAM**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 6KM NE OF MT GARNET.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 305714 mE 8046769 mN Latitude -17.6574 Longitude 145.1685 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Pinnacles - Llahsram

Commodities	Size	Size Definition
FLUORITE	SMALL	50 - 50 000 tonnes FL
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source
BR 10409	2014	CONSOLIDATED TIN MINES LIMITED	ANNUAL REPORT 2014	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE. 13 OCTOBER 2014. CONSOLIDATED TIN MINES LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL REPLACEMENT DEPOSIT

Mineralisation Age

ORE

Comments

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39490 **LODE CREEK**

ABANDONED MINE

Descriptive Location: 9.3 KM ESE OF STANTHORPE.

1:100 000 sheet Number and Name: 9340 DRAKE

Grid Reference: Zone 56 404605 mE 6826376 mN Latitude -28.6862 Longitude 152.0235 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Red Hill

Enterprise

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Period: 1-Jan-1884 to 31-Dec-1922 491 tonnes KNOWN HISTORIC PRODUCTION

CASSITERITE 275.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1884	to	1884	
1911	to	1916	
1921	to	1922	

Mining Operations	Comments
DREDGING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NEW ENGLAND BATHOLITH	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Web Page

Queensland Minerals

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42081 **LODE RUTILE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 14KM WEST OF MUNGANA, 150KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 208214 mE 8107769 mN Latitude -17.0960 Longitude 144.2582 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Tio Rutile

Commodities	Size	Size Definition
RUTILE	SMALL	2 000 - 200 000 tonnes RUT

Production Details

Period: 1-Jan-1953 to 31-Dec-1955 6 tonnes HARD ROCK ORE (OR REEF)

RUTILE 1.7 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	20231	100.00%	AUSTRALIAN RUTILE PTY LTD
ML	20232	100.00%	AUSTRALIAN RUTILE PTY LTD
ML	20233	100.00%	AUSTRALIAN RUTILE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Nundah Granodiorite / SILURIAN to SILURIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	RUTILE-QUARTZ VEINS

Mineralisation Age

ORE	SILURIAN

Comments

Rutile mineralisation occurs in quartz-feldspar rock and pegmatite intruding gneiss. There are large white quartz blows in the area.
Stream sediments are anomalous in niobium and tantalum.

Web Page

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486830 **LOFFS**

ABANDONED MINE

Descriptive Location: WESTLAKE NEAR BRISBANE RIVER.

1:100 000 sheet Number and Name: 9442 IPSWICH

Grid Reference: Zone 56 491643 mE 6952556 mN Latitude -27.5507 Longitude 152.9154 Date Recorded: 7/November/2007

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jul-1996 to 30-Jun-1997

BRICK CLAY 15,593.0 tonnes

Period: 1-Jul-1997 to 30-Jun-1998

BRICK CLAY 35,005.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	Now water filled and used as a lake.

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	TQa-SEQ / LATE TERTIARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE LATE TERTIARY to QUATERNARY

Comments

The area surrounding the pit has been subdivided and developed.

Web Page

Queensland Minerals

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498659 **LONE SISTER**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 22.7KM SW OF AVON DOWNS HOMESTEAD

1:100 000 sheet Number and Name: 8354 GUNJULLA

Grid Reference: Zone 55 508351 mE 7568303 mN Latitude -21.9897 Longitude 147.0809 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Twin Hills Project

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Published Reserves/Resources

BR 10019 Published in 2012 **LONE SISTER**

INDICATED MINERAL RESOURCE 280,000 tonnes Ore @

5.00 g/t GOLD **FOR** 1,400 Kilograms GOLD

3.40 g/t SILVER **FOR** 952 Kilograms SILVER

Comments/Cut Off Factor: 2.0g/t cutoff.

Silver grade was not quoted in BR10019. Grade was retained from BR9436 see resource did not change significantly.

BR 10019 Published in 2012 **LONE SISTER**

INFERRED MINERAL RESOURCE 200,000 tonnes Ore @

3.60 g/t SILVER **FOR** 723 Kilograms SILVER

2.80 g/t GOLD **FOR** 560 Kilograms GOLD

Comments/Cut Off Factor: 2.0g/t cutoff

Silver grade was not quoted in BR10019. Grade was retained from BR9436 see resource did not change significantly.

BR 10019 Published in 2012 **LONE SISTER**

MEASURED MINERAL RESOURCE 540,000 tonnes Ore @

6.10 g/t SILVER **FOR** 3,263 Kilograms SILVER

4.10 g/t GOLD **FOR** 2,193 Kilograms GOLD

Comments/Cut Off Factor: 2.0g/t cutoff.

Silver grade was not quoted in BR10019. Grade was retained from BR9436 see resource did not change significantly.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10019	2012	EVOLUTION MINING LIMITED	EVOLUTION MINING MINERAL RESOURCE STATEMENT - JUNE 2012	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 25 SEPTEMBER 2012. EVOLUTION MINING LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced Year Completed Comments

Operating Mine Life: 2005 to 2008 BMA Gold commenced mine development on this resource with a 3 year mine life as at June 2005. Ore will be hauled to Rishton plant.

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	70316	60.00%	NQM GOLD 2 PTY LTD
ML	70316	40.00%	CQT GOLD AUSTRALIA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DRUMMOND BASIN	Silver Hills Volcanics / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

This mineralisation is 6km south-south-east of the Anomaly 309 deposit and both form the Twin Hills Project being explored by BMA Gold Ltd. Average grade of deposit is 2 g/t Au.

Gold mineralisation occurs as fine, visible gold and possible electrum, within narrow irregular chalcedony and quartz veins hosted by hydrothermal breccias on the western margin of a rhyodacite dome.

In the March 2008 quarter, BMA Gold carried out RAB drilling to test a soil geochemical anomaly to the west of Lone Sister. The prospect was acquired by North Queensland Metals Ltd and Heemskirk Consolidated in the June 2009 quarter.

Web Page

www.nqm.com.au

Queensland Minerals

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486474 **LONGAMUNDI**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 17.2KM NW OF QUAMBY

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 413883 mE 7760055 mN Latitude -20.2552 Longitude 140.1754 Date Recorded: 8/February/2016

Other Names for Deposit / Mine

Two Sports

Longamundi Prospect

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Period: 1-Jan-1906 to 31-Dec-1906 15 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 6.1 tonnes 40.00 percent

Published Reserves/Resources

BR 10439 Published in 2015 **LONGAMUNDI**

INFERRED MINERAL RESOURCE 10,400,000 tonnes Ore @ 0.66 % COPPER **FOR** 68,640 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut off grade

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10439	2015	ALTONA MINING LIMITED	ANNUAL REPORT 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, JULY 2015. ALTONA MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	
PITS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90163	50.00%	ROSEBY COPPER PTY LTD
ML	90163	50.00%	ALTONA MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Mount Roseby Schist / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED CU (INCLUDES CU-SHALE)

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

This deposit forms part of Universal Resources Ltd's Roseby Copper Project.

The ore contains native copper (50 to 70%), copper in clays and micas (30 to 40%), and chalcocite (<10%), and is the result of weathering of primary stratabound sulphide deposits containing bornite and chalcopyrite.

Web Page

www.altonamining.com

Queensland Minerals

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518224 **LONGBEACH**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 19.4KM SE OF BUNDABERG, SOUTH OF COONARR CREEK DELTA

1:100 000 sheet Number and Name: 9348 BUNDABERG

Grid Reference: Zone 56 448261 mE 7236353 mN Latitude -24.9873 Longitude 152.4873 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Bundaberg Foundry Lease

Commodities	Size	Size Definition
FOUNDRY SAND	SMALL	1 000 - 1 000 000 tonnes SF
SILICA SAND	SMALL	1 000 - 1 000 000 tonnes SIS

Production Details

Period:	1-Jan-1972	to	31-Dec-1981	
FOUNDRY SAND				10,603.3 tonnes
Period:	1-Jul-1996	to	30-Jun-1997	
FOUNDRY SAND				525.0 tonnes
Period:	1-Jul-2000	to	30-Jun-2001	
FOUNDRY SAND				750.0 tonnes
Period:	1-Jul-2001	to	30-Jun-2002	
FOUNDRY SAND				1,707.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SURFACE MINING METHODS	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1211	100.00%	SAND TRALE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	PLEISTOCENE

Comments

Web Page

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41658 **LOST MINE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 34KM NW OF MOUNT MULLIGAN, 115KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7864 MOUNT MULLIGAN

Grid Reference: Zone 55 245715 mE 8154269 mN Latitude -16.6804 Longitude 144.6157 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Lost Mine Extended

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
ANTIMONY	VERY SMALL	<50 tonnes SB

Production Details

Published Reserves/Resources

Company Report 20970 Published in 1989 **LOST MINE EXTENDED**

INFERRED MINERAL RESOURCE 375,000 tonnes Ore @ 3.00 g/t GOLD **FOR** 1,125 Kilograms GOLD

The Lost Mine Extended Inferred Resource.

Company Report 20970 Published in 1989 **LOST MINE**

INFERRED MINERAL RESOURCE 125,000 tonnes Ore @ 3.00 g/t GOLD **FOR** 375 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	20452	100.00%	DUDENEYE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS

Comments

Web Page

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481349 **LOST WORLD**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 109 KM NORTH-NORTH-EAST OF RICHMOND, 11.0 KM E OF MIDDLE PARK HOMESTEAD, 345KM WEST OF TOWNSVIL

1:100 000 sheet Number and Name: 7558 MOUNT NORMAN

Grid Reference: Zone 54 750380 mE 7811110 mN Latitude -19.7798 Longitude 143.3897 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Camp Vein
Sandy Creek Epithermal
Woolgar

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
COPPER	VERY SMALL	<500 tonnes CU
ZINC	VERY SMALL	<200 tonnes ZN
URANIUM	VERY SMALL	<100 tonnes U

Production Details

Published Reserves/Resources

BR 10531 Published in 2016 **LOST WORLD/SANDY CK EPI**

INDICATED MINERAL RESOURCE 722,000 tonnes Ore @ 1.36 g/t GOLD **FOR** 981 Kilograms GOLD

Comments/Cut Off Factor: 0.8g/t Au cutoff.

BR 10531 Published in 2016 **LOST WORLD/SANDY CK EPI**

INFERRED MINERAL RESOURCE 574,000 tonnes Ore @ 1.23 g/t GOLD **FOR** 706 Kilograms GOLD

Comments/Cut Off Factor: 0.8g/t Au cutoff.

BR 10531 Published in 2016 **LOST WORLD/SANDY CK EPI**

MEASURED MINERAL RESOURCE 4,357,000 tonnes Ore @ 1.43 g/t GOLD **FOR** 6,230 Kilograms GOLD

Comments/Cut Off Factor: Cut off grade of 0.8g/t Au.
Resource defined above 150m depth.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10531	2016	STRATEGIC MINERALS CORPORATION NL	ANNUAL REPORT 31 DECEMBER 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 31 MARCH 2016. STRATEGIC MINERALS CORPORATION NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9599	100.00%	STRATEGIC MINERALS CORPORATION N.L.
ML	90044	100.00%	STRATEGIC MINERALS CORPORATION N.L.
ML	90122	100.00%	STRATEGIC MINERALS CORPORATION N.L.
ML	90123	100.00%	STRATEGIC MINERALS CORPORATION N.L.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Einasleigh Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

The Lost World consists of several generations of epithermal veins extending along strike for 1.5km with a width of 5 to 50m. The main ore zone occurs in a large dilational bend of a fault zone where it steps across the axis of a regional fold.

The prospect was being explored by Oxiana Exploration Pty Ltd under a joint venture with tenement holder Strategic Minerals Corporation NL until Oxiana withdrew from the JV in October 2007.

Web Page

http://www.stratmin.com.au/

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39434 **LOUIS TUNNEL**

ABANDONED MINE

Descriptive Location: 5.3 KM SE OF COEN.

1:100 000 sheet Number and Name: 7570 COEN

Grid Reference: Zone 54 740820 mE 8452966 mN Latitude -13.9835 Longitude 143.2293 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

Company Report 24405 Published in 1993 **FOUR OLD MINES - SEE COMMENTS**

INFERRED MINERAL RESOURCE 500,000 tonnes Ore @ 4.00 g/t GOLD **FOR** 2,000 Kilograms GOLD

Stockholm + The Bend + Louis Tunnel + Thornbury North. Hard rock gold resource estimate by Saracen.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
TRENCHES	
ADITS	
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SAVANNAH PROVINCE	Coen Metamorphic Group / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE SILURIAN to PERMIAN

Comments

Web Page

495911 LOWMEAD OIL SHALE - NORTHERN DEPOSIT

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 16.9KM SE OF MIRIAM VALE

1:100 000 sheet Number and Name: 9249 MIRIAM VALE

Grid Reference: Zone 56 365605 mE 7296375 mN Latitude -24.4403 Longitude 151.6742 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
OIL SHALE	MEDIUM	10 000 000 - 1 billion barrels OSH

Production Details

Published Reserves/Resources

BR 7037 Published in 2002

INDICATED MINERAL RESOURCE 500,000,000 tonnes Ore @ 88.00 l/t OIL **FOR** 200,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at zero % moisture.

BR 7037 Published in 2002

INFERRED MINERAL RESOURCE 1,200,000,000 tonnes Ore @ 84.00 l/t OIL **FOR** 500,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at zero % moisture.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7037	2002	SOUTHERN PACIFIC PETROLEUM NL	SOUTHERN PACIFIC PETROLEUM NL ANNUAL REPORT 2002	SOUTHERN PACIFIC PETROLEUM NL

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
MDL	188	50.00%	QUEENSLAND ENERGY RESOURCES LIMITED
MDL	188	25.00%	ESPERANCE MINERALS LIMITED
MDL	188	25.00%	GREENVALE ENERGY NL

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LOWMEAD BASIN	Lowmead Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	TERTIARY	Lamosite oil shale

Comments

Oil yields range from 40 to 370L/t (generally 54 to 90l/t). Esperance Minerals NL and Greenvale Mining NL acquired 75% ownership of MDL 188 in June 2004.

In 2004, Esperance Minerals announced a review of a proposal to selectively mine the deposit to produce cannel coal as thermal coal. The deposit was estimated to contain 615Mt of cannel coal, with 557 million barrels of shale oil for later development.

In June 2006, Greenvale Mining and Esperance Minerals announced a licensing agreement with two US companies to research the use of injecting ground oil shale into pulverised coal boiler to greatly reduce pollution from coal-fired power stations.

In June 2006, Esperance Minerals and Greenvale Mining announced an agreement with Australian Thermal Solutions Pty Ltd to apply its licensed TS technology to determine the amount of oil that could be recovered using the TS process.

Testwork carried out on the Lowmead oil shale in September 2006 returned 358 litres per ton using solvent extraction methods. These yields could increase the resource at Lowmead threefold.

Samples were sent to Idaho-Mobotec for testing in the third quarter of 2007. Global Resources Microwave technologie is also being tested. A pilot plant may be acquired for onsite testing.

Web Page

www.greenvalemining.com.au; www.qer.com.au

Queensland Minerals

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478804 **LUCKNOW**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 7 KM SOUTH OF GREENVALE, 190KM WNW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7859 BURGES

Grid Reference: Zone 55 284815 mE 7894770 mN Latitude -19.0284 Longitude 144.9555 Date Recorded: 17/February/2017

Other Names for Deposit / Mine

Sconi Project
Lady Agnes
Red Fort
Grants Gully

Commodities	Size	Size Definition
NICKEL	SMALL	250 - 25 000 tonnes NI
COBALT	MEDIUM	1 000 - 20 000 tonnes CO
SCANDIUM	LARGE	>100 tonnes SC

Production Details

Queensland Minerals

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Published Reserves/Resources

BR 10566 Published in 2016

LUCKNOW NI-CO RESOURCE

INDICATED MINERAL RESOURCE 10,600,000 tonnes Ore @

0.27 % NICKEL	**FOR**	28,620 Tonnes NICKEL
0.07 % COBALT	**FOR**	7,420 Tonnes COBALT
0.01 % SCANDIUM	**FOR**	1,356 Tonnes SCANDIUM

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)
Iron and Magnesium are no longer reported in recent estimates.

BR 10566 Published in 2016

LUCKNOW NI-CO RESOURCE

INFERRED MINERAL RESOURCE 1,500,000 tonnes Ore @

0.40 % NICKEL	**FOR**	6,000 Tonnes NICKEL
0.07 % COBALT	**FOR**	1,050 Tonnes COBALT
0.00 % SCANDIUM	**FOR**	61 Tonnes SCANDIUM

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)
Iron and Magnesium are no longer reported in recent estimates.

BR 10566 Published in 2016

LUCKNOW NI-CO RESOURCE

MEASURED MINERAL RESOURCE 1,700,000 tonnes Ore @

0.45 % NICKEL	**FOR**	7,650 Tonnes NICKEL
0.10 % COBALT	**FOR**	1,700 Tonnes COBALT
0.01 % SCANDIUM	**FOR**	175 Tonnes SCANDIUM

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)
Iron and Magnesium are no longer reported in recent estimates.

BR 9799 Published in 2012

LUCKNOW SC RESOURCE

INDICATED MINERAL RESOURCE 6,900,000 tonnes Ore @

36.40 % IRON	**FOR**	2,511,600 Tonnes IRON
1.00 % MAGNESIUM	**FOR**	69,000 Tonnes MAGNESIUM
0.16 % NICKEL	**FOR**	11,040 Tonnes NICKEL
0.02 % COBALT	**FOR**	1,380 Tonnes COBALT
0.02 % SCANDIUM	**FOR**	1,055 Tonnes SCANDIUM

Comments/Cut Off Factor: 70g/t Sc
Includes a higher grade zone with 1.77Mt at 209g/t Sc, 0.20% Ni and 0.05% Co (120g/t Sc cutoff).

BR 9799 Published in 2012

LUCKNOW SC RESOURCE

INFERRED MINERAL RESOURCE 300,000 tonnes Ore @

32.60 % IRON	**FOR**	97,800 Tonnes IRON
0.70 % MAGNESIUM	**FOR**	2,100 Tonnes MAGNESIUM
0.14 % NICKEL	**FOR**	420 Tonnes NICKEL
0.02 % COBALT	**FOR**	60 Tonnes COBALT
0.01 % SCANDIUM	**FOR**	29 Tonnes SCANDIUM

Comments/Cut Off Factor: 70g/t Sc
Includes a higher grade zone with 1.84Mt at 194g/t Sc, 0.21% Ni and 0.05% Co (120g/t Sc cutoff).

BR 9799 Published in 2012

LUCKNOW SC RESOURCE

MEASURED MINERAL RESOURCE 600,000 tonnes Ore @

31.70 % IRON	**FOR**	190,200 Tonnes IRON
1.70 % MAGNESIUM	**FOR**	10,200 Tonnes MAGNESIUM
0.17 % NICKEL	**FOR**	1,020 Tonnes NICKEL
0.02 % COBALT	**FOR**	120 Tonnes COBALT
0.02 % SCANDIUM	**FOR**	114 Tonnes SCANDIUM

Comments/Cut Off Factor: 70g/t Sc
Includes a higher grade zone with 0.51Mt at 239g/t Sc, 0.25% Ni and 0.06% Co (120g/t Sc cutoff).

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10566	2016	METALLICA MINERALS LIMITED	ANNUAL REPORT 2016	MINING 2012; TAKING STOCK, P24; 28 OCTOBER 2016. METALLICA MINERALS LIMITED, BRISBANE.
BR 9799	2012	METALLICA MINERALS LIMITED	ASX RELEASE; NORNICO - LUCKNOW DEPOSIT, NTH QLD SCANDIUM & NICKEL-COBALT RESOURCE UPGRADE.	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE 21-FEB-2012, METALLICA MINERALS

Major Mining Related Events

Year Commenced		Year Completed	Comments
1988	to	1990	This deposit was mined in conjunction with the Greenvale operations. Period of production is approximate only.

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Mining Operations **Comments**

OPEN CUT MINING

SURFACE MINING METHODS

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10680	100.00%	GREENVALE OPERATIONS PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GREENVALE PROVINCE	Gray Creek Complex / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC NICKEL

Mineralisation Age

ORE	CENOZOIC

Comments

Nickel mineralisation occurs as complex hydrated silicates in flat-lying brown lenses in lateritised serpentinite. The mineralisation is unevenly distributed in the laterite. Straits Resources was in a joint venture with Resource Mining Corporation Ltd.
Jul 2010 Metallica reported phase 2 drilling result highlights from Lucknow area: "Lady Agnes", "Grants Gully","Red Fort" (BR9598).
In 2011 Metallica Minerals changed its development strategy from heated Atmospheric Acid Leach (AAL) processing to High Pressure Acid Leach (HPAL) processing with an acid-power plant, which will enable treatment of all iron-rich ores, particularly the
(2011: Cont.1) high scandium high iron Lucknow ores. The added scandium resources will bring a major competitive advantage for the Nornico Ni-Co & Sc "tri metal" project (BR9704).
In April 2010, Metallica Minerals Limited finalised the purchase of the Greenvale tenements from Straits Resources Limited. Straits Resources retains rights to a share of scandium resources at Lucknow under a joint venture agreement.
(2012 cont.) the combined resources from Greenvale, Luchnow and Kokomo deposits over a 20 year mine life. Metallica is persuing discussions with potential end users in the Solid Oxide Fuel Cell (SOFC) and aluminium alloy market sectors.
After re-tabulation of resources this deposit was grouped in the SCONI project - southern deposits, which was part if the 2012 scoping study by Metallica Minerals Limited. The scoping study was based on a 750000tpa operation, including
Australian Mines entered a joint venture agreement with Metallica Minerals (ASX: MLM) on the Sconi Project in 2016. Australian Mines can earn an 75% interest in the Sconi Project.
A Pre-Feasibility Study (PFS) completed in 2016 on the scandium ore body at Sconi confirmed it to be an economic and technically viable mining project capable of producing 50 tonnes of high purity scandium oxide (Sc203) per year over a 20-year mine life.

Web Page

www.metallicaminerals.com.au; www:australianmines.com.au

Queensland Minerals

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36482 **M & R**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 6.7KM ESE OF IRVINEBANK, 70KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 315664 mE 8070719 mN Latitude -17.4419 Longitude 145.2643 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Period: 1-Jan-1905 to 31-Dec-1927 538 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 15.3 tonnes 1.68 percent

Published Reserves/Resources

Company Report 15116 Published in 1984 **M & R**

INFERRED MINERAL RESOURCE 18,000 tonnes Ore @ 0.90 % CASSITERITE **FOR** 162 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
SHAFTS	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14741	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Cassiterite occurs in a 1m wide, 60 degrees south dipping ferruginous shear zone in slightly kaolinised meta-arentite.

Web Page

www.nqm.com.au

Queensland Minerals

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44331 **MAGEE CREEK**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 16.0 KM NORTH-NORTH-WEST OF TEXAS, 225KM SW OF BRISBANE.

1:100 000 sheet Number and Name: 9140 TEXAS

Grid Reference: Zone 56 318045 mE 6822476 mN Latitude -28.7121 Longitude 151.1372 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Magee Creek Marble Deposit
Limevale

Commodities	Size	Size Definition
MARBLE	SMALL	10 000 - 100 000 tonnes MARB
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST
BUILDING STONE	VERY SMALL	<100 000 tonnes BLST

Production Details

Published Reserves/Resources

BR 2818 Published in 1973

INFERRED MINERAL RESOURCE

83,000 Tonnes Per Vertical Metre LIMESTONE

83 000 t per vertical metre and assuming 10m of limestone.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 2818	1973	SIEMON, J.E.	LIMESTONE RESOURCES OF THE WARWICK-TEXAS AREA.	GEOLOGICAL SURVEY OF QUEENSLAND, REPORT 80.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Texas beds / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	MARBLE DEPOSIT

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS	Marble.

Comments

The marble is grey to light grey, with thin dark grey bands. Surface colouration, giving gold, red and brown bands, is of limited extent.
The marble is of good quality and is suitable for ornamental use.

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483641 **MAGENTA**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 11KM SE OF CLERMONT, ACCESS ALONG MAGENTA ROAD, 365KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8452 CLERMONT

Grid Reference: Zone 55 577291 mE 7470314 mN Latitude -22.8732 Longitude 147.7535 Date Recorded: 28/January/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
EARTHY LIME / DOLOMITE (AGRICULTURAL)	LARGE	>1 000 000 tonnes ELIM

Production Details

Published Reserves/Resources

MAGENTA

INFERRED MINERAL RESOURCE

50,000,000 Tonnes EARTHY LIME / DOLOMITE (AGRICULTURAL)

Estimate from MDL294 application.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CLERMONT-SPRINGSURE BASALT PROVINCE	TQd\k-QLD / LATE TERTIARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	ENRICHED LIME DEPOSIT

Mineralisation Age

ORE	CENOZOIC

Comments

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43627 **MAGNET**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 13.8KM NW OF QUAMBY

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 416438 mE 7757763 mN Latitude -20.2760 Longitude 140.1998 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

The Magnet
Magnet Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
MOLYBDENUM	VERY SMALL	<50 tonnes MO

Production Details

Period: 1-Jan-1906 to 31-Dec-1940 5,945 tonnes KNOWN HISTORIC PRODUCTION

COPPER	METAL	735.9 tonnes	12.40 percent
GOLD	BULLION	6.6 kilograms	1.10 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 8506	100.00%	ROSEBY COPPER PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Boomarra Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Web Page

www.altonamining.com

Queensland Minerals

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481847 **MAGPIE**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 28.9 KM SOUTH-SOUTH-WEST OF RAVENSWOOD, 105KM SSW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 473184 mE 7752803 mN Latitude -20.3225 Longitude 146.7431 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
COPPER	SMALL	500 - 50 000 tonnes CU
LEAD	SMALL	1000 - 100 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 6152 Published in 1995

MAGPIE

INFERRED MINERAL RESOURCE 250,000 tonnes Ore @

8.30 % ZINC	**FOR**	20,750 Tonnes ZINC
37.00 g/t SILVER	**FOR**	9,250 Kilograms SILVER
1.70 % LEAD	**FOR**	4,250 Tonnes LEAD
1.20 % COPPER	**FOR**	3,000 Tonnes COPPER
0.20 g/t GOLD	**FOR**	50 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6152	1995	E.V. DRONSEIKA	MT WINDSOR JOINT VENTURE SUMMARY	ABERFOYLE UNPUBLISHED REPORT

Major Mining Related Events

Year Commenced	Year Completed	Comments
1981		Discovered by Esso Exploration & Production Pty Ltd

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	1758	30.00%	BML HOLDINGS PTY LTD
ML	1758	70.00%	THALANGA COPPER MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
THALANGA PROVINCE	Trooper Creek Formation / EARLY ORDOVICIAN to EARLY ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
DETAILED OREBODY MODEL	VMS - CYPRUS STYLE CU-ZN

Mineralisation Age

ORE	CAMBRIAN to ORDOVICIAN	Age from lead isotope data from massive sulphides (CR 26658)

Comments

Host rocks are upper amphibolite grade metamorphics with scattered andalusite, cordierite and rare garnet.

Web Page

493479 **MAIDENWELL**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 13.9KM WEST OF TARONG POWER STATION, 26.4KM SW OF NANANGO, ON A PLATEAU APPROX 6KM NNW OF MAIDE

1:100 000 sheet Number and Name: 9244 KINGAROY

Grid Reference: Zone 56 378318 mE 7035386 mN Latitude -26.7976 Longitude 151.7758 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
DIATOMITE	SMALL	2 000 - 200 000 tonnes DIAT

Production Details

Period: 1-Jul-1997 to 30-Jun-2010

DIATOMITE	33,006.5 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
MDL	293	100.00%	CLAY RESOURCES PTY LTD
ML	50118	100.00%	CLAY RESOURCES PTY LTD
ML	50222	100.00%	CLAY RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MAIN RANGE VOLCANIC SUBPROVINCE	Main Range Volcanics/s / EARLY TERTIARY to LATE TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	DIATOMITE DEPOSIT

Mineralisation Age

ORE	TERTIARY

Comments

Diatomite is associated with Tertiary sediments within basaltic flows.

Web Page

http://maidenwelldiatomiteaustraliaptyltd.vpweb.com.au

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479617 **MAITLAND**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 61 KM SOUTH-EAST OF EINASLEIGH, 245KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7760 EINASLEIGH

Grid Reference: Zone 55 226615 mE 7899771 mN Latitude -18.9763 Longitude 144.4036 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Daintree Copper Mine
Insult
Lucky Hit
Try No More
The Victory
Victory V
Try Again
Maitland Copper Prospect
Arthur'S Gully

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG
MOLYBDENUM	SMALL	50 - 5 000 tonnes MO
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1909 to 31-Dec-1944 1,808 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	293.0 tonnes
SILVER		18.0 kilograms
GOLD	BULLION	0.0 kilograms

Published Reserves/Resources

BR 10071 Published in 2012 **MAITLAND COPPER**

INDICATED MINERAL RESOURCE 1,450,000 tonnes Ore @

1.50 % COPPER	**FOR**	21,750 Tonnes COPPER
14.00 g/t SILVER	**FOR**	20,300 Kilograms SILVER
0.02 % MOLYBDENUM	**FOR**	290 Tonnes MOLYBDENUM

Comments/Cut Off Factor: 0.5% Cu cutoff. (BR9791)
Includes a 115,000t Mo indicated resource within the Cu resource, with grades of 0.8% Cu and 0.17% Mo (BR 8915). Cutoff grade of 0.04% Mo (BR8916).

BR 10071 Published in 2012 **MAITLAND COPPER**

INFERRED MINERAL RESOURCE 40,000 tonnes Ore @

1.10 % COPPER	**FOR**	440 Tonnes COPPER
0.01 % MOLYBDENUM	**FOR**	4 Tonnes MOLYBDENUM

Comments/Cut Off Factor: 0.5% Cu cutoff. (BR9791)
Figures have not changed since 2008. (BR9791 quotes Mo grades)

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10071	2012	KAGARA MINING	OPPORTUNITY TO ACQUIRE KAGARA LIMITED'S NORTH QUEENSLAND ASSETS	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 14 SEPTEMBER 2012 KAGARA MINING, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1908	to	1910	The deposit was discovered in July 1908 by Moses McLelland and Thomas Power. Between 1908-1910 the Chillagoe Company sank 6 shafts to a maximum depth of 35m, with cross cuts at 15 and 23m.
1912	to	1921	Main period of mining - mainly from the secondary enrichment zone.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	Crosscuts at 15 and 23 m depth. Max depth 35m.
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	12513	100.00%	SNOW PEAK MINING PTY LTD

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Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Einasleigh Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

The mineralisation is hosted by calc-silicate gneiss of the Einasleigh Metamorphics. The mineralised zone is sheared and mylonitic and is retrogressed to chlorite schist, mica-quartz-chlorite-schist, amphibolite gneiss and epidosite.
Mineralisation at Maitland occurs as disseminated chalcopyrite and molybdenite in two shoots that plunge south and are each up to 30m wide and 50 to 100m in strike length. The shoots are open down plunge.
High-grade molybdenite mineralisation occurs immediately above the main copper zone. A preliminary scoping study has indicated that further drilling to upgrade the resource is warranted.
A drill intersection of 57m at 2.58% Cu from 75m (including 12m at 6.39% Cu from 105m) was announced in July 2007. Significant Cu in soil anomalies have been delineated to the north and south of the Maitland prospect.
Drilling results announced in January 2008 included 35m at 2.09% Cu from 220m, confirming that Cu mineralisation continues ar depth. High grade Mo mineralisation was also intersected, including 6m at 0.39% Mo from 50m and 5m at 0.34% Mo from 108m depth.
In September 2008, Kagara Ltd announced that it had purchased the Maitland Deposit from Glengarry Resources Ltd.
In 2010 Kagara Ltd no longer quote Mo figures for this deposit in Annual report -> 2008 figures retained in data sheet (same tonnage figures).

Web Page

www.kagara.com.au

Queensland Minerals

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494258 **MAMMOTH**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 1.9 KM NORTH-WEST OF GUNPOWDER, 105KM NORTH OF MT ISA.

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 328721 mE 7821166 mN Latitude -19.6975 Longitude 139.3659 Date Recorded: 22/January/2016

Other Names for Deposit / Mine

Mount Gordon
Mammoth Extended
Kabunga
Kangaroo
Wallaroo

Commodities	Size	Size Definition
COPPER	LARGE	250 000 - 2 000 000 tonnes CU
COBALT	LARGE	>20 000 tonnes CO

Production Details

Period:	1-Jan-1927	to	31-Dec-1959		745 tonnes HARD ROCK ORE (OR REEF)	
COPPER				METAL	10.4 tonnes	14.60 percent
Period:	1-Jan-1959	to	31-Dec-1959		5,974 tonnes HARD ROCK ORE (OR REEF)	
COPPER				METAL	585.5 tonnes	9.80 percent
Period:	1-Jan-1969	to	31-Dec-1972		171,307 tonnes HARD ROCK ORE (OR REEF)	
COPPER				METAL	3,940.1 tonnes	2.30 percent
Period:	1-Jan-1972	to	31-Dec-1977		1,900,000 tonnes HARD ROCK ORE (OR REEF)	
COPPER				METAL	51,300.0 tonnes	2.70 percent
Period:	1-Jan-1978	to	31-Dec-1982			
COPPER				METAL	3,750.0 tonnes	
Period:	1-Jan-1989	to	31-Dec-1998			
COPPER				METAL	48,522.0 tonnes	
Period:	1-Jul-2003	to	30-Jun-2004			
COPPER				METAL	10,830.0 tonnes	
Period:	1-Jul-2005	to	30-Jun-2014			
COPPER				METAL	114,036.0 tonnes	
SILVER					11,673.6 kilograms	
Period:	1-Jul-2009	to	30-Jun-2010			
COPPER				CONCENTRATE	2,270.0 tonnes	

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Published Reserves/Resources

BR 10336 Published in 2014 **MAMMOTH / MOUNT GORDON**

INDICATED MINERAL RESOURCE 24,450,000 tonnes Ore @ 1.29 % COPPER **FOR** 315,405 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cutoff

BR 10336 Published in 2014 **MAMMOTH / MOUNT GORDON**

INFERRED MINERAL RESOURCE 17,220,000 tonnes Ore @ 1.34 % COPPER **FOR** 230,748 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cutoff

BR 10336 Published in 2014 **MAMMOTH / MOUNT GORDON**

MEASURED MINERAL RESOURCE 12,340,000 tonnes Ore @ 1.49 % COPPER **FOR** 183,866 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cutoff.

BR 10336 Published in 2014 **MAMMOTH DEEPS**

INFERRED MINERAL RESOURCE 1,330,000 tonnes Ore @ 1.09 % COPPER **FOR** 14,497 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cutoff

BR 10336 Published in 2014 **MAMMOTH NORTH**

INFERRED MINERAL RESOURCE 10,100,000 tonnes Ore @ 1.06 % COPPER **FOR** 107,272 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cutoff

BR 10336 Published in 2014 **MAMMOTH SOUTH**

INFERRED MINERAL RESOURCE 70,000 tonnes Ore @ 0.72 % COPPER **FOR** 504 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cutoff

BR 10336 Published in 2014 **MAMMOTH SURROUNDS**

INDICATED MINERAL RESOURCE 5,520,000 tonnes Ore @ 1.30 % COPPER **FOR** 71,760 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cutoff

BR 10336 Published in 2014 **MAMMOTH SURROUNDS**

INFERRED MINERAL RESOURCE 45,990,000 tonnes Ore @ 1.14 % COPPER **FOR** 524,286 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10336	2014	ADITYA BIRLA MINERALS LIMITED	ASX RELEASE MINERAL RESOURCE AT 31ST MARCH 2014	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 30 APRIL 2014. ADITYA BIRLA MINERALS LIMITED, PERTH.

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1923			Discovery (Shah brothers).
1927	to	1959	Small open cut mining.
1959	to	1968	Open cut mining by Foschi and Angelo.
1968	to	1971	Large scale open cut mining by Surveys & Mining Ltd.
1971	to	1971	Exploration decline excavated.
1971	to	1977	Undeground mining by Gunpowder Copper Ltd with ore treated by conventional froth flotation.
1978	to	1982	In-situ leaching and copper precipitation carried out.
1984	to	1984	Plant facilities auctioned.
1990	to	1996	In situ-leaching carried out by Adelaide Brighton Cement Ltd.
1996	to	1998	Mine sold to Aberfoyle Resources Ltd in 1996. This company used solvent extraction electrowinning in a 4500tpa plant. Acquired by Western Metals Ltd in 1998.
1997	to	1997	Underground production ceased.

Operating Mine Life: 2003 to 2009 Aditya Birla Group purchased Mount Gordon from for Western Metals Ltd in November 2003. Currently mining remnants of 2, D, 4 and B lenses.

2011	Mammoth underground operations recommenced in March 2011, after stage 1 approval of underground and processing plant commission. Full scale unrestricted mining (Stage 2) approved in May 2011.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
SHAFTS	
DECLINED SHAFTS/DRIVES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5407	100.00%	BIRLA MT GORDON PTY LTD
ML	5413	100.00%	BIRLA MT GORDON PTY LTD
ML	5419	100.00%	BIRLA MT GORDON PTY LTD
ML	5451	100.00%	BIRLA MT GORDON PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Whitworth Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Mineralisation at Mammoth consists of a number of steeply dipping sulphide matrix breccia lodes or lenses within a largely fault bounded block of quartzites and breccias of the Whitworth Quartzite.

In January 2009, Aditya announced that the underground mine was being placed on care and maintenance due to copper prices and market conditions. The mill will continue to run on stockpiled ore and Esperanza low-grade waste dump material.

The major mineralised lenses (B, C, D, E, 1, 2 and 4 lenses) occur as an en echelon set in the footwall of the Mammoth Fault. All occur in the hanging wall of the Portal Fault and are truncated by it at depth.

The mineralised lenses comprise irregular zones of hydrothermal breccia with dominant chalcocite and lesser chalcopyrite and bornite as vein filling. Aditya Birla reopened the Mammoth underground mine in late 2002.

Ore resource figures include all resources for Mammoth, Esperanza, Esperanza North and Esperanza South.

In February 2010, a trial for processing of Esperanza Low Grade (ELG) ore commenced and is ongoing.

In September 2015 Lighthouse Minerals Holdings Pty Ltd purchased the Mount Gordon project which the company has renamed the Capricorn Copper Project.

Web Page

www.adityabirlaminerals.com.au

41594 **MANTUAN DOWNS**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 135KM SW OF EMERALD.

1:100 000 sheet Number and Name: 8349 MANTUAN DOWNS

Grid Reference: Zone 55 517920 mE 7307113 mN Latitude -24.3490 Longitude 147.1767 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BENTONITE	MEDIUM	200 000 - 20 000 000 tonnes BENT

Production Details

Period: 1-Jul-2008 to 30-Jun-2010

BENTONITE 2,213.0 tonnes

Published Reserves/Resources

BR 8901 Published in 2008

MANTUAN DOWNS

INFERRED MINERAL RESOURCE

15,000,000 Tonnes BENTONITE

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8901	2008	PACIFIC ENVIROMIN LIMITED	ANNUAL PREPORT 2008	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 1 OCTOBER 2008. PACIFIC ENVIROMIN, LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	70360	100.00%	IPOH PACIFIC RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BOWEN BASIN	Black Alley Shale / LATE PERMIAN to LATE PERMIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	LATE PERMIAN

Comments

The deposit is located just below the surface soils in the area. It comprises montmorillonite clay that is capable of upgrading to bentonite by the addition of 3% soda ash in the milling process.

IPOH Pacific Resources Pty Ltd was carrying out collaborative research with CSIRO to develop commercial uses for bentonite, particularly in the areas of managing oil spills and improving soils and crop production.

Pacific Enviromin Ltd (formerly TechStar Ltd) purchased IPOH Pacific in 2005. The mining lease was approved in March 2008 and mining commenced in April. Four extraction pits were opened up.

The bentonite is dried on site for several days to reduce moisture content from 30% to ~12% before transport to Brisbane. Initial production will supply bentonite for the Government approved Waterwise program in south-east Queensland.

Direct sales of bentonite from the mine for use as a stock feed supplement are anticipated.

Web Page

www.pacenviromin.com; www.clw.csiro.au/products/

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480904 **MANUMBAR**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 36KM SE OF GOOMERI, ~2.5KM NNE OF MANUMBAR

1:100 000 sheet Number and Name: 9345 GOOMERI

Grid Reference: Zone 56 437105 mE 7083475 mN Latitude -26.3673 Longitude 152.3696 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Manumbar Extended

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jul-1996	to	30-Jun-1997		
GOLD				FINE	525.9 kilograms
SILVER					325.0 kilograms
Period:	1-Jul-1997	to	30-Jun-1998		
GOLD				FINE	357.2 kilograms
SILVER					690.0 kilograms
Period:	1-Jul-1998	to	30-Jun-1999		
GOLD				FINE	113.3 kilograms
SILVER					118.7 kilograms
Period:	1-Jul-1999	to	30-Jun-2000		
GOLD				BULLION	51.3 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Operating Mine Life: 1994 to 1999 Mining commenced in 1994. Mine owned by Cornwall Resources Corporation NL but operated by Waraluck Pty Ltd. Ore was trucked to the treatment plant at the Shamrock mine. Mining ceased in 1999 after East Extended Pit was flooded by heavy rain

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	50059	100.00%	DGR GLOBAL LIMITED
ML	50099	100.00%	DGR GLOBAL LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ESK TROUGH	Neara Volcanics / MIDDLE TRIASSIC to MIDDLE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE	TRIASSIC

Comments

The Manumbar lodes occur along a steeply dipping curvilinear shear within jointed and fractured andesite and agglomerates with bedding dipping approximately 30 degrees south-east.

The lode is predominantly calcite, with breccia clasts of andesitic material and minor quartz veining. Mineralisation is associated with the margins of altered pyritic andesite and thin quartz veinlets within the calcite veins.

High grade (>10g/t Au), flat dipping shoots plunge easterly. Mineralised breccia fragments are enveloped by quartz with calcite and chalcedony infill. Mineralisation extends below 60m depth, with 4m at 32g/t Au intersected in a drillhole at 61m.

Mining concentrated on three, en-echelon, east-trending epithermal gold lodes hosted by Triassic volcanics. Reportedly, 293,400t was mined at an average grade of 5g/t Au.

D'Aguilar Gold Ltd are actively exploring for extensions to the epithermal Manumbar lodes and for new gold vein systems in the mine environs. Several targets have been identified.

Web Page

www.daguilar.com.au

Queensland Minerals

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488357 **MANY PEAKS**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1KM SE OF MANY PEAKS TOWNSHIP. GRID REF. TAKEN AT PORTAL OF MAIN TUNNEL, 70KM SW OF GLADSTONE.

1:100 000 sheet Number and Name: 9148 MONTO

Grid Reference: Zone 56 335625 mE 7283945 mN Latitude -24.5496 Longitude 151.3771 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1909 to 31-Dec-1924 518,422 tonnes HARD ROCK ORE (OR REEF)

COPPER	CONCENTRATE	8,648.2 tonnes
GOLD	BULLION	130.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments
1898		DISCOVERED BY LYNCH & BAILEY'. TWO YEARS LATER A SYNDICATE TOOK CONTROL.
1906		MT MORGAN COMPANY TOOK AN OPTION ON THE BASIS OF PAYING ROYALTY ON THE ORE EXTRACTED AND BETWEEN 1910 & 1921 TRANSPORTED ORE TO MT MORGAN FOR USE AS A BASIC FLUX.
1911		348.5T OF ORE(7.112T CU+0.093KG AU) PURCHASED AS FLUX BY MT CHALMERS. 1445.8T(34.5T CU+0.34KG AU) PURCHASED BY PORT KEMBLA.
1918		UNDERGROUND MINING CEASED.

Mining Operations	Comments
SHAFTS	
ADITS	
UNDERGROUND MINING METHODS	
OPEN CUT MINING	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	3640	100.00%	AUSTRALIAN GEOSCIENTISTS NO2 PTY LTD
ML	3641	100.00%	AUSTRALIAN GEOSCIENTISTS NO2 PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CALLIOPE SUBPROVINCE	Calliope beds? / SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	PALAEOZOIC

Comments

In 2006/07, Norton Gold Fields Ltd completed an 11 hole reverse circulation drilling program for a total of 1120m. Continuity between the northern and southern ore pipes was confirmed.
Drill intersections included 5m at 0.65% Cu and 0.34g/t Au from 59m (including 2m at 1.1% Cu and 0.49g/t Au from 62m) and 12m at 1.37% Cu from the surface (including 6m at 2.01% Cu from the surface).

Web Page

www.nortongoldfields.com.au

Queensland Minerals

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494078 **MARAMUNGEE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 175KM ESE OF MT ISA; 35KM N OF CANNINGTON HS

1:100 000 sheet Number and Name: 7054 SELWYN

Grid Reference: Zone 54 490690 mE 7613834 mN Latitude -21.5783 Longitude 140.9101 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
LEAD	VERY SMALL	<1000 tonnes PB
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Published Reserves/Resources

Company Report 5343 Published in 1975

INFERRED MINERAL RESOURCE 1,800,000 tonnes Ore @ 4.40 % ZINC **FOR** 79,200 Tonnes ZINC

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15027	100.00%	BLACK ROCK MINERALS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Mount Norna Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (BROKEN HILL TYPE)
GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	LEAD-ZINC SKARN

Mineralisation Age

ORE	PROTEROZOIC

Comments

Broken Hill style prospect. Part of the Black Rock joint venture between Exco Resources NL and Noranda (now Xstrata Plc).

Web Page

www.excoresources.com.au

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493321 **MARBLE ISLAND**

ABANDONED MINE

Descriptive Location: MARBLE ISLAND IN DUKE ISLAND CHAIN WHICH IS PART OF THE NORTHUMBERLAND GROUP, 220KM NNW OF GLA

1:100 000 sheet Number and Name: 8954 PERCY ISLES

Grid Reference: Zone 56 205907 mE 7567376 mN Latitude -21.9734 Longitude 150.1522 Date Recorded: 12/March/2013

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST
MARBLE	VERY SMALL	<10 000 tonnes MARB

Production Details

Period: 1-Jan-1904 to 1-Jul-1904

MARBLE	3,048.0 tonnes

Published Reserves/Resources

BR 5640 Published in 1955

INFERRED MINERAL RESOURCE

121,920 Tonnes LIMESTONE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5640	1955	SHEPHERD, S.R.L.	LIMESTONE ON DUKE ISLANDS - BROAD SOUND.	QUEENSLAND GOVERNMENT MINING JOURNAL, 56, 926-931.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT HOLLY SUBPROVINCE	Erebus beds / SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT
DETAILED OREBODY MODEL	MARBLE DEPOSIT

Mineralisation Age

ORE	SILURIAN to DEVONIAN	Marble and limestone.

Comments

The limestone as a whole is not quite as pure as on Mortar Island. It varies from pink to mottled blue. In the extreme south of the deposit it resembles a conglomerate. Approximately 3000 tonnes of limestone have been barged from this site.

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486548 **MARMOR**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 400M NORTH OF MARMOR, 55KM NE GLADSTONE.

1:100 000 sheet Number and Name: 9050 BAJOOL

Grid Reference: Zone 56 266381 mE 7380098 mN Latitude -23.6729 Longitude 150.7093 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Well'S Quarry

Commodities	Size	Size Definition
LIMESTONE	MEDIUM	2 000 000 - 10 000 000 tonnes LST

Production Details

Period:	1-Jan-1906	to	31-Dec-1997	
LIMESTONE			OTHER	1,800,000.0 tonnes
Period:	1-Jul-1997	to	30-Jun-1998	
LIMESTONE			CRUSHED ROCK	884.1 tonnes
Period:	1-Jul-1998	to	30-Jun-1999	
LIMESTONE			OTHER	1,058.8 tonnes
Period:	1-Jul-1999	to	30-Jun-2000	
LIMESTONE			CRUSHED ROCK	1,119.8 tonnes
Period:	1-Jul-2000	to	30-Jun-2001	
LIMESTONE			CRUSHED ROCK	1,090.9 tonnes
Period:	1-Jul-2001	to	30-Jun-2002	
LIMESTONE			CRUSHED ROCK	1,160.8 tonnes
Period:	1-Jul-2002	to	30-Jun-2003	
LIMESTONE			CRUSHED ROCK	1,552.0 tonnes
Period:	1-Jul-2003	to	30-Jun-2004	
LIMESTONE			CRUSHED ROCK	6,603.8 tonnes
Period:	1-Jul-2004	to	30-Jun-2005	
LIMESTONE			OTHER	1,220.4 tonnes

Published Reserves/Resources

BR 3333 Published in 1990

ABOVE THE FLOOR

INFERRED MINERAL RESOURCE

5,000,000 Tonnes LIMESTONE

5mt above the current floor (1990) and 200000t/vm below that level.

BR 3333 Published in 1990

BELOW FLOOR

INFERRED MINERAL RESOURCE

200,000 Tonnes Per Vertical Metre LIMESTONE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 3333	1990	KROSCH, N.J.	QUEENSLAND MINERAL COMMODITY REPORT-LIMESTONE.	QUEENSLAND GOVERNMENT MINING JOURNAL, 91, 93-102.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1906	to	1929	Intermittently worked-initially by the Mount Morgan Mining Company.
1929	to	1948	Worked by Mount Morgan Ltd
1948	to	1997	Worked by Ambrose Lime Works Pty Ltd.
1996	to	2005	Worked by the Wells family until 2005 when acquired by Unimin.

Mining Operations	Comments
OPEN CUT MINING	
ADITS	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5763	100.00%	SIBELCO AUSTRALIA LIMITED
ML	5764	100.00%	SIBELCO AUSTRALIA LIMITED

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Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ROCKHAMPTON SUBPROVINCE	Mount Alma Formation / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS

Comments

Limestone is mined for use as road base and agricultural quick lime (calcium oxide).

Web Page

http://www.unimin.com.au/

Queensland Minerals

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569708 **MARONAN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 100KM ESE OF MOUNT ISA

1:100 000 sheet Number and Name: 7055 MOUNT ANGELAY

Grid Reference: Zone 54 490900 mE 7670150 mN Latitude -21.0695 Longitude 140.9124 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Maronan Prospect

Commodities	Size	Size Definition
SILVER	MEDIUM	500 - 5 000 tonnes AG
LEAD	MEDIUM	100 000 - 2 500 000 tonnes PB
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
GOLD	MEDIUM	5 - 50 tonnes AU
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Published Reserves/Resources

BR 10437 Published in 2015 **MARONAN (OXIDE ZONE) CU-AU**

INFERRED MINERAL RESOURCE 1,950,000 tonnes Ore @

1.02 % COPPER **FOR** 19,890 Tonnes COPPER

0.37 g/t GOLD **FOR** 721 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cut-off

Oxide Zone is refered to as "weathered" Resource valid in Oct 2016 (BR10514)

BR 10437 Published in 2015 **MARONAN (OXIDE ZONE) PB-AG**

INFERRED MINERAL RESOURCE 2,210,000 tonnes Ore @

5.25 % LEAD **FOR** 116,025 Tonnes LEAD

8.00 g/t SILVER **FOR** 17,680 Kilograms SILVER

Comments/Cut Off Factor: 3% Pb cut-off

Oxide Zone is refered to as "weathered" Resource valid in Oct 2016 (BR10514)

BR 10437 Published in 2015 **MARONAN (SULPHIDE ZONE) CU-AU**

INFERRED MINERAL RESOURCE 17,230,000 tonnes Ore @

1.27 % COPPER **FOR** 218,821 Tonnes COPPER

0.64 g/t GOLD **FOR** 11,027 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cut-off

sulphide zone termed "fresh" Resource valid in Oct 2016 (BR10514)

BR 10437 Published in 2015 **MARONAN (SULPHIDE ZONE) PB-AG**

INFERRED MINERAL RESOURCE 7,040,000 tonnes Ore @

144.00 g/t SILVER **FOR** 1,013,760 Kilograms SILVER

10.68 % LEAD **FOR** 751,872 Tonnes LEAD

Comments/Cut Off Factor: 8% Pb cut-off

sulphide zone termed "fresh" Resource valid in Oct 2016 (BR10514)

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10437	2015	RED METAL LIMITED	ASX ANNOUNCEMENT: MARONAN DEPOSIT - SUMMARY OF INFERRED RESOURCE ESTIMATES	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 27 OCTOBER 2015. RED METAL LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13368	100.00%	RED METAL LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Mount Norna Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (BROKEN HILL TYPE)

Mineralisation Age

ORE	PROTEROZOIC

Comments

Web Page
www.redmetal.com.au

Queensland Minerals

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493659 **MARY KATHLEEN**

ABANDONED MINE

Descriptive Location: 53 KM WEST OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 397120 mE 7705710 mN Latitude -20.7454 Longitude 140.0118 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
URANIUM	MEDIUM	10 000 - 40 000 tonnes U
RARE EARTH ELEMENTS	SMALL	1 - 1 000 tonnes REE
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period: 1-Jan-1958 to 31-Dec-1963 2,947,000 tonnes HARD ROCK ORE (OR REEF)

URANIUM OXIDE 4,080.0 tonnes 0.15 percent

Period: 1-Jan-1975 to 31-Dec-1982 6,300,000 tonnes HARD ROCK ORE (OR REEF)

URANIUM OXIDE 4,802.0 tonnes 0.10 percent

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1954	to	1954	Discovered on 4th July 1954 by a syndicate of eight people headed by Clem Walton and Norm McConachy. The deposit was named Mary Kathleen in memory of Norm McConachy's wife. The lease was sold to Australasian Oil Exploration Ltd.
1955	to	1956	Mary Kathleen Uranium Ltd was formed (with the majority of shares owned by Tio Tinto Mining Company of Australia Ltd). Exploration comprised costeaning, diamond drilling and the excavation of a 60m long exploratory adit.
1956	to	1958	Construction of mine, treatment plant and township.
1958	to	1963	Treatment plant commissioned in mid-1958. Uranium oxide produced for the United Kingdom Atomic Energy Commission.
1963	to	1974	On care and maintenance.
1974	to	1976	Mine, plant and township recommissioned.
1976	to	1982	Second phase of uranium production.
1982	to	1985	Mine, treatment plant and town sites rehabilitated at a cost of $19 million. The leases were relinquished and Mary Kathleen Uranium Ltd liquidated in the late 1980s.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE PROTEROZOIC

Comments

Queensland's only uranium mine. The initial "mineable reserve" was 9.483Mt at 0.13% U. The remaining resource below the open cut is 1081t U (1200t U3O8).

The ore was upgraded by radiometric sorting prior to fine grinding. 1958-1963 - treatment was by leaching with sulphuric acid, ion exchange to separate the U, and precipitation with magnesia. 1976-1982 - solvent extraction was used instead of ion exchange

Now within Restricted Area 232 - Mary Kathleen Future Developement. Constrained by listing as an historic mining site.

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41021 **MARYBOROUGH CLAY 2**

ABANDONED MINE

Descriptive Location: 7.4KM W OF MARYBOROUGH

1:100 000 sheet Number and Name: 9446 MARYBOROUGH

Grid Reference: Zone 56 461850 mE 7175965 mN Latitude -25.5330 Longitude 152.6203 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Oakhurst
Yengarie
Shale Ridge

Commodities	Size	Size Definition
BRICK CLAY	MEDIUM	200 000 - 20 000 000 tonnes BKCY

Production Details

Period: 1-Jan-1951 to 31-Dec-1965

BRICK CLAY 198,799.7 tonnes

Period: 1-Jan-1966 to 31-Dec-1969

BRICK CLAY 51,413.7 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Operating Mine Life: 1948 to 1969 The open cut was started by Maryborough Sugar Factory Pty Ltd in 1948. The clay and shale were fired in wood-burning down-draft kilns at 1000 degrees Centigrade to produce semi-dry press building bricks.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARYBOROUGH BASIN	Maryborough Formation / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE CRETACEOUS to CENOZOIC

Comments

Main open cut is 200m long by 120m wide by 30m deep and is east of Mungar Road and north of Quarry Road. There is also a small open cut east of Mungar Road and south of Quarry Road.
This abandoned clay pit is now the Shire Council's Yengarie Transfer Station.
Maryborough Sugar Factory Pty Ltd quarried clay and shale between 1948 and 1959 for brick manufacturing.

Web Page

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479839 **MAUREEN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 45 KM NORTH OF GEORGETOWN, 260KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7562 ABINGDON DOWNS

Grid Reference: Zone 54 757020 mE 8008866 mN Latitude -17.9933 Longitude 143.4272 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Main Grid

New West Grid

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U
FLUORITE	MEDIUM	50 000 - 5 000 000 tonnes FL
MOLYBDENUM	SMALL	50 - 5 000 tonnes MO
STRONTIUM		
LEAD	VERY SMALL	<1000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Published Reserves/Resources

BR 8790 Published in 2008 **MAUREEN**

INDICATED MINERAL RESOURCE 3,124,000 tonnes Ore @

0.09 % URANIUM OXIDE **FOR** 2,811 Tonnes URANIUM OXIDE

0.06 % MOLYBDENUM **FOR** 1,874 Tonnes MOLYBDENUM

Comments/Cut Off Factor: 0.55% U3O8 and 0.32% Mo grade capped. Compliant with NI43-101.

BR 8790 Published in 2008 **MAUREEN**

INFERRED MINERAL RESOURCE 154,000 tonnes Ore @

0.11 % URANIUM OXIDE **FOR** 169 Tonnes URANIUM OXIDE

0.10 % MOLYBDENUM **FOR** 154 Tonnes MOLYBDENUM

Comments/Cut Off Factor: 0.55% U3O8 and 0.32% Mo grade capped. Compliant with NI43-101.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8790	2008	MEGA URANIUM LTD	UPDATE ON GEORGETOWN URANIUM PROJECT, QUEENSLAND, AUSTRALIA.	ANNOUNCEMENT TO THE TORONTO STOCK EXCHANGE, 7 JULY 2008. MEGA URANIUM LTD, TORONTO.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8452	100.00%	MEGA GEORGETOWN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GILBERTON BASIN	Gilberton Formation / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	STRATABOUND URANIUM-COPPER
DETAILED OREBODY MODEL	UNCONFORMITY U-AU (VEIN-TYPE U)

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

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Comments

Stratabound fluorite-uranium-molybdenum mineralisation confined to relatively coarse, fluviatile arkosic sediments of the Gilberton Formation which unconformably overlies Proterozoic metamorphics and is overlain by the Maureen Volcanic Group.

Mineralisation is complex, especially in the oxidised zone with a range of hydrated oxides, phosphates, arsenates and sulphates of U, Mo, Fe and Al. Mineralisation shows both concordant and cross-cutting relationships with the host rock.

It has cross-cut some sedimentary structures, filled fractures and replaced matrix, some clasts and locally the entire rock. In some areas, mineralisation has been strongly controlled by sedimentary features and in places diagenetic features.

The Maureen project comprises a number of orebodies totalling 2.383Mt at 0.123% U3O8, 0.069% Mo and 10.7% fluorite (ERMS 7282). The main Maureen deposit comprises the Main Grid and New West orebodies.

Other orebodies forming the project resource include Far West 5, Far West 7, Catley, Far East, Camp and Shear Zone (Far West 2).

In December 2005, Mega Uranium Ltd announced an agreement to acquire 100% of Georgetown Mining Ltd's uranium properties, including Maureen and adjacent deposits. Mega commenced drilling in August 2006.

Drilling by Mega Uranium Ltd in early 2007 confirmed the previous resource estimates, intersecting 12 to 35m wide zones of >0.1% U3O8. Average Mo grades could be higher than previously reported.

Web Page

www.megauranium.com; www.uic.com.au

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42549 **MAYDAY LINE**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 9.5KM NE OF MT GARNET, 90KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 304414 mE 8052769 mN Latitude -17.6031 Longitude 145.1568 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Victory

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Published Reserves/Resources

BR 6053 Published in 1999 **MAYDAY**

INDICATED MINERAL RESOURCE 15,000 tonnes Ore @ 1.00 % CASSITERITE **FOR** 150 Tonnes CASSITERITE

Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

BR 6053 Published in 1999 **MAYDAY**

INFERRED MINERAL RESOURCE 37,500 tonnes Ore @ 0.40 % CASSITERITE **FOR** 150 Tonnes CASSITERITE

Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	4342	50.00%	BURTENSHAW	Rosemary Anne
ML	4342	50.00%	BURTENSHAW	Garry Frederick

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE	LATE CARBONIFEROUS

Comments

The workings are along a band of quartz stringers in a chlorite zone that may be a continuation of the nearby Tully Mine lode. These stringers appear barren but cassiterite may occur in the fine-grained chlorite lode.

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43560 **MCCABE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 40 KM S OF CLONCURRY; 19KM E OF MALBON; 110KM ESE OF MT ISA

1:100 000 sheet Number and Name: 6955 MALBON

Grid Reference: Zone 54 446960 mE 7670310 mN Latitude -21.0673 Longitude 140.4894 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Mccabe Central
Mccabe North
Mccabe South
Mccabe East
Mount Mccabe

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
COBALT	SMALL	10 - 1 000 tonnes CO

Production Details

Period: 31-Dec-1958 4 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 1.2 tonnes

Published Reserves/Resources

BR 10576 Published in 2016

MCCABE OXIDE AND TRANSITIONAL

INDICATED MINERAL RESOURCE 600,000 tonnes Ore @

1.10 % COPPER **FOR** 6,600 Tonnes COPPER

0.03 % COBALT **FOR** 180 Tonnes COBALT

BR 10576 Published in 2016

MCCABE OXIDE AND TRANSITIONAL

INFERRED MINERAL RESOURCE 1,000,000 tonnes Ore @

0.85 % COPPER **FOR** 8,500 Tonnes COPPER

0.01 % COBALT **FOR** 110 Tonnes COBALT

BR 10576 Published in 2016

MCCABE OXIDE AND TRANSITIONAL

MEASURED MINERAL RESOURCE 1,000,000 tonnes Ore @

1.21 % COPPER **FOR** 12,100 Tonnes COPPER

0.04 % COBALT **FOR** 400 Tonnes COBALT

Comments/Cut Off Factor: 0.2% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10576	2016	QUEENSLAND MINING CORPORATION LIMITED	ANNUAL REPORT 2016	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 21 OCTOBER 2016. QUEENSLAND MINING CORPORATION LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1906	to	1907	Several shallow pits were worked and a prospecting shaft commenced
		1990	Opencut mining, exploration and construction of haul roads up steep ridge done in the 1980s (post BMR mapping), but details not researched

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	Originally known as the Hampden and the Pearson.

Tenure Type/Number		SHARE	Company Name/Surname
ML	90082	100.00%	WHITE RANGE MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Staveley Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

This resource formed part of Matrix Metals Ltd's's White Range Project. Vein style copper mineralisation is hosted by siltstones and breccias. In September 2006, Xstrata Copper entered into a joint venture with Matrix over the McCabe deposit and EPM.
Xstrata have completed phase one of their drilling plan and downhole geophysical surveys and will release the results late 2007/early 2008. Queensland Mining Corporation Ltd acquired the prospect from Matrix Metals in 2010.

Web Page

www.queenslandminingcorporation.com.au

495861 MCFARLANE OIL SHALE

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 20KM SSE OF PROSERPINE, 220KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8656 CALEN

Grid Reference: Zone 55 669482 mE 7728463 mN Latitude -20.5350 Longitude 148.6256 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Condor

Commodities	Size	Size Definition
OIL SHALE	LARGE	> 1 000 000 000 barrels OSH

Production Details

Published Reserves/Resources

BR 7037 Published in 2002 **MCFARLANE OIL SHALE**

INDICATED MINERAL RESOURCE 100 millions of tonnes Ore @ 63.00 l/t OIL **FOR** 100,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at 8 weight % moisture.

BR 7037 Published in 2002 **MCFARLANE OIL SHALE**

MEASURED MINERAL RESOURCE 12,900 millions of tonnes Ore @ 65.00 l/t OIL **FOR** 4,800,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at 8 weight % moisture.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7037	2002	SOUTHERN PACIFIC PETROLEUM NL	SOUTHERN PACIFIC PETROLEUM NL ANNUAL REPORT 2002	SOUTHERN PACIFIC PETROLEUM NL

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	Bulk sampling test pit

Tenure Type/Number		SHARE	Company Name/Surname
EPM	3520	100.00%	QUEENSLAND ENERGY RESOURCES LIMITED
MDL	202	100.00%	QUEENSLAND ENERGY RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CONDOR BASIN	Condor Oil Shale / TERTIARY to TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	TERTIARY	Oil shale.

Comments

Condor is the largest known Tertiary oil shale deposit in Australia. In August 2008, the Queensland Government announced a 20 year moratorium on exploration and development of the deposit.

The brown oil shale unit ranges from 300 to 400m in thickness. A wedge of sandstone (the Gum Gully Member) occurs within the oil shale sequence and comprises up to 22m of sandy oil shale and fine to medium sandstone.

The Gum Gully Member overlies up to 163m of fine to very coarse sandstone with minor shaley fine sandstone. Towards the base of the main oil shale, the colour darkens to brownish black. This darker unit is 10 to 50m thick.

Web Page

www.qer.com.au

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494080 **MCLENNON'S CLAIM**

ABANDONED MINE

Descriptive Location: 79 KM NE OF MOUNT ISA, 32.6 KM NW OF QUAMBY

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 397541 mE 7764356 mN Latitude -20.2155 Longitude 140.0192 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

The General

Commodities	Size	Size Definition
TUNGSTEN	SMALL	5 - 500 tonnes W
COPPER	VERY SMALL	<500 tonnes CU

Production Details

TUNGSTEN	6.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	WOLFRAM VEINS

Mineralisation Age

ORE	PROTEROZOIC

Comments

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494259 **MCLEOD HILL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 35.0KM SW OF GUNPOWDER

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 306390 mE 7793805 mN Latitude -19.9425 Longitude 139.1501 Date Recorded: 9/February/2017

Other Names for Deposit / Mine

Mount Mcleod

Again

Commodities	Size	Size Definition
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period: 1-Jan-1942 to 31-Dec-1957 254 tonnes HARD ROCK ORE (OR REEF)

COPPER OTHER 34.9 tonnes 14.00 percent

Period: 1-Jan-1969 to 31-Dec-1972 404 tonnes HARD ROCK ORE (OR REEF)

COPPER OTHER 23.3 tonnes 6.10 percent

Published Reserves/Resources

BR 10433 Published in 2015 **MCLEOD HILL OXIDE ORE**

INFERRED MINERAL RESOURCE 480,000 tonnes Ore @ 0.35 % COPPER **FOR** 1,680 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.

BR 10433 Published in 2015 **MCLEOD HILL SULPHIDE ORE**

INFERRED MINERAL RESOURCE 390,000 tonnes Ore @ 0.56 % COPPER **FOR** 2,184 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.

BR 10433 Published in 2015 **MCLEOD HILL TRANSITION ORE**

INFERRED MINERAL RESOURCE 550,000 tonnes Ore @ 0.57 % COPPER **FOR** 3,135 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10433	2015	CST MINING GROUP LIMITED	EXPLORE THE ROAD TO SUCCESS - ANNUAL REPORT 2015	ANNOUNCEMENT TO THE STOCK EXCHANGE OF HONG KONG LIMITED, 30 DECEMBER 2015. CST MINING GROUP LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments
2010		CST Mining Ltd commenced exploration operations in 2010. A resource was reported in 2010.

Mining Operations	Comments
SHAFTS	
PITS	
TRENCHES	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5426	100.00%	CST MINERALS LADY ANNIE PTY LIMITED
ML	5474	100.00%	CST MINERALS LADY ANNIE PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT OXIDE DOMAIN	Gunpowder Creek Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL BRECCIA-HOSTED

DETAILED OREBODY MODEL BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE PALAEOPROTEROZOIC to MESOPROTEROZOIC

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Comments

CST Mining resumed mining at Lady Annie in September 2010 (CST is registered in the Hong Kong Exchanges: Code 985). New resources for Mcleod hill reported (BR9537).

In Nov 2010 CST Ming reported that 16 RC holes were drilled to follow up mineralsation intersected by earlier holes. The drilling defined a zone of mineralisation extending over 800m of strike to the north (shallow dip to west). (BR9536).

Nov 2010: The mineralisation at McLeod Hill is structurally controlled and open at depth for potential sulphide mineralisation. Significant intersepts include: MTKC0089 24m @ 0.7% Cu; MTKC0094 17m @ 0.58% Cu; MTKC0096 19m @ 1.02% Cu; MTKC0097 11m @0.51%Cu

Mining at Lady Annie ceased in January 2016 due to low prices. In June 2016 the name CST Mining was changed to NetMind Financial Holdings Limited.

Web Page

http://www.cstmining.com

Queensland Minerals

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44687 **MELODY ROCKS**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 19.8 KM WNW OF HELENVALE, 150KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7966 HELENVALE

Grid Reference: Zone 55 292095 mE 8271950 mN Latitude -15.6218 Longitude 145.0607 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	LARGE	>10 000 000 tonnes LST

Production Details

Published Reserves/Resources

Company Report 15094 Published in 1985 **MELODY ROCKS**

INDICATED MINERAL RESOURCE

100,000,000 Tonnes LIMESTONE

Analysing 55% CaO, 1% SiO2, 0.4% MgO, 0.2% Fe2O3, 0.4% Al2O3.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	20562	50.00%	DOXFORD	Clyde Ian
ML	20562	50.00%	THOMAS	Ross James

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation/am / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	DEVONIAN	Limestone.

Comments

Limestone occurs as lenses over a stratigraphic thickness of 700m and overall strike length of 2700m. The limestone is light grey, fine-grained and homogenous.

Work on five major lenses has indicated 900 000 t/vertical m's of limestone at 55% CaO, <1.0% SiO2, <0.4% MgO, <0.2% Fe2O3 and <0.4% Al2O3.

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588512 **MERLIN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 40 KM NE OF CHATSWORTH HOMESTEAD, 147 KM SE OF MOUNT ISA.

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 447547 mE 7605453 mN Latitude -21.6533 Longitude 140.4931 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
MOLYBDENUM	MEDIUM	5 000 - 200 000 tonnes MO
RHENIUM	LARGE	>100 tonnes RHEN
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG
ZINC	SMALL	200 - 200 000 tonnes ZN
LEAD	SMALL	1000 - 100 000 tonnes PB
GOLD	SMALL	0.5 - 5 tonnes AU
COBALT	SMALL	10 - 1 000 tonnes CO

Production Details

Published Reserves/Resources

BR 10322 Published in 2014 **MERLIN**

INDICATED MINERAL RESOURCE 4,200,000 tonnes Ore @

26.00 g/t RHENIUM **FOR** 109,200 Kilograms RHENIUM

1.50 % MOLYBDENUM **FOR** 63,000 Tonnes MOLYBDENUM

Comments/Cut Off Factor: Cut off grade 0.3% Mo

Only Mo and Rhen reported in this resource; Previous resource reported Cu, Ag, Au,Zn, Pb and Co values in indicated category

BR 10322 Published in 2014 **MERLIN**

INFERRED MINERAL RESOURCE 1,400,000 tonnes Ore @

24.00 g/t RHENIUM **FOR** 33,600 Kilograms RHENIUM

1.10 % MOLYBDENUM **FOR** 15,400 Tonnes MOLYBDENUM

Comments/Cut Off Factor: Cut off grade 0.3% Mo

Only Mo and Rhen reported in this resource; Previous resource reported Cu, Ag, Au,Zn, Pb and Co values in indicated category

BR 10322 Published in 2014 **MERLIN**

MEASURED MINERAL RESOURCE 800,000 tonnes Ore @

34.00 g/t RHENIUM **FOR** 27,200 Kilograms RHENIUM

2.30 % MOLYBDENUM **FOR** 18,400 Tonnes MOLYBDENUM

Comments/Cut Off Factor: Cut off grade 0.3% Mo

Only Mo and Rhen reported in this resource; Previous resource reported Cu, Ag, Au,Zn, Pb and Co values in indicated category

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10322	2014	CHINOVA RESOURCES	CHINOVA RESOURCES COMPANY PRESENTATION OCTOBER 2014 BY NEAL VALK - GENERAL MANAGER OPERATIONS (AT BRISBANE MINING 2014)	WWW.CHINOVARESOURCES.COM

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
DECLINED SHAFTS/DRIVES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10783	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD
ML	2691	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Hampden Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

The discovery of a very high-grade Mo zone, with 40m at 0.99% Mo from 162m, was announced in October 2008. The new discovery, named Merlin also contains high rhenium grades and forms a discrete ore zone at the northern end of the Mount Dore orebody.

The Merlin zone starts at the surface and dips east at 45 degrees. Sulphide mineralisation has been intersected from 100m depth to 500m down dip. The mineralised zone has a strike length of up to 900m and an apparant true thickness of 30m.

Merlin drill intersections announced by Ivanhoe Australia in December 2008 included 40m at 0.99% Mo, 26.8g/t Re and 0.2% Cu from 162m and 67m at 1.28% Mo, 29.2g/t Re and 0.13% Cu from 220m (including 10m at 6.63% Mo, 150.7g/t Re and 0.52% Cu from 230m).

The Merlin mineralisation is hosted by a sheared/fault breccia in black shale and siltstone beneath the main Mount Dore copper ore zone.

In March 2009, Ivanhoe announced that drilling had delineated two sub-zones within Merlin - a Mo-Re rich footwall zone and a separate Mo-Re-Cu-Zn rich hanging wall zone.

Intersections at Merlin included 58m at 2.25% Mo, 28.99g/t Re and 0.09% Cu from 408m (including 20m at 6.26% Mo, 81.83g/t Re and 0.14% Cu from 408m), 50m at 1.6% Mo, 24.34g/t Re and 0.12% Cu from 350m, & 38m at 1.2% Mo, 17.29g/t Re and 0.17% Cu from 246m.

The Merlin mineralisation appears to be associated with a late potassic alteration related to a phase of the the Mount Dore IOCG system.

Merlin drill intersections announced in August 2009 included 29m at 1.1% Mo and 10.1g/t Re from 385m, 15m at 1.58% Mo and 24.4g/t Re from 457m, 18m at 0.39% Mo and 7.26g/t Re from 491m, and 11m at 1.07% Mo and 9.1g/t Re from 473m.

One drillhole intersected 3.73m at 15.5% Mo, 150g/t Re, 1.4% Cu and 26g/t Au from 90.85m, including 0.6m at 6.9% Mo and 46.4g/t Re from 90.85m, 0.9m at 46.4% Mo and 446g/t Re from 91.45m and 0.5m at 22.2% Mo and 248g/t Re from 94.05m.

In 2012 the Little Wizard ore body was accessed 75m below surface within the Merlin decline. The Little Wizard orebody has an indicated resource of 15000t at 6.5% Mo and 84g/t rhenium (forms part of the Merlin Molybdenum and Rhenium Project) = worlds 2012 cont.: highest-grade molybdenum and rhenium deposit. An initial mine life of more than 10 years was estimated in the MERLIN Project Pre-Feasibility study, with an avergae steady-state production of approx. 5030t of Mo and 7.2t of rhenium per year.

Web Page

www.chinova.com

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38929 **MERRIE MONARCH**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 7 KM S OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 423269 mE 7772361 mN Latitude -20.1444 Longitude 146.2658 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Monarch Extended
Monarch Chief
Young Monarch
Same As Usual

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Period: 1-Jan-1875 to 1-Jan-1948 2,815 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 117.2 kilograms 41.00 grams per tonne

Published Reserves/Resources

BR 10151 Published in 2012 **MERRIE MONARCH (S3)**

INDICATED MINERAL RESOURCE 50,916 tonnes Ore @
3.29 g/t GOLD **FOR** 167 Kilograms GOLD

BR 10151 Published in 2012 **MERRIE MONARCH (S3)**

INFERRED MINERAL RESOURCE 972,000 tonnes Ore @
13.50 g/t GOLD **FOR** 13,122 Kilograms GOLD
9.00 g/t SILVER **FOR** 8,748 Kilograms SILVER

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
MDL	251	25.00%	CHARTERS TOWERS MINES PTY LTD
MDL	251	75.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Hogsflesh Creek Granodiorite / ORDOVICIAN to ORDOVICIAN
CAPE RIVER PROVINCE	Charters Towers Metamorphics / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

DETAILED OREBODY MODEL MESOTHERMAL VEINS, MAGMATIC-RELATED

GENERAL OREBODY MODEL MESOTHERMAL VEINS/PIPE/STOCKWORK VEIN

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Resource forms part of the Charters Towers project of Citigold Corporation Limited.

Web Page

http://www.citigold.com.au/

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38737 **MEXICAN**

ABANDONED MINE

Descriptive Location: 0.8 KM SE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 422936 mE 7779400 mN Latitude -20.0808 Longitude 146.2629 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Mexican P.C.
Mexican Lode
East Mexican
Great Eastern

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1875	to	31-Dec-1881	2,769	tonnes HARD ROCK ORE (OR REEF)
GOLD			BULLION	100.5 kilograms	
Period:	1-Jan-1885	to	31-Dec-1904	6,608	tonnes HARD ROCK ORE (OR REEF)
GOLD			BULLION	281.0 kilograms	
Period:	1-Jan-1908	to	31-Dec-1917	24,762	tonnes HARD ROCK ORE (OR REEF)
GOLD			BULLION	514.4 kilograms	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1875	to	1881	Worked by the Mexican P.C. Mines
1885	to	1904	Worked by the Mexican P.C., East Mexican and Great Eastern (barren) Mines
1908	to	1917	Worked by the East Mexican Mine and began work from 1915 on the Day Dawn Lode (though unsure if lode was mined)

Mining Operations	Comments
INCLINED SHAFTS / DRIVES	2 underlie shafts, dipping north
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	10208	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Hogsflesh Creek Granodiorite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Web Page

www.citigold.com

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36001 **MIAMBA**

MINERAL OCCURRENCE

Descriptive Location: 5.5 KM NORTH-EAST OF BONSHAW, 230KM WEST OF BRISBANE.

1:100 000 sheet Number and Name: 9139 ASHFORD

Grid Reference: Zone 56 336105 mE 6789376 mN Latitude -29.0132 Longitude 151.3172 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Miamba Limestone Deposit

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST

Production Details

Published Reserves/Resources

BR 2818 Published in 1973

INFERRED MINERAL RESOURCE

250,000 Tonnes Per Vertical Metre LIMESTONE

250000 t/vertical metre.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 2818	1973	SIEMON, J.E.	LIMESTONE RESOURCES OF THE WARWICK-TEXAS AREA.	GEOLOGICAL SURVEY OF QUEENSLAND, REPORT 80.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Texas beds / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS	Limestone.

Comments

Limestone is light to dark grey and fossiliferous, with some interbedded sediments.

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493661 **MICLERE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 28 KM NORTH-NORTH-WEST OF CLERMONT, 340KM SOUTH OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8452 CLERMONT

Grid Reference: Zone 55 555648 mE 7503783 mN Latitude -22.5717 Longitude 147.5413 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Miclere Diggings

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Published Reserves/Resources

BR 5822 Published in 1997

INFERRED MINERAL RESOURCE 1,100,000 tonnes Ore @ 7.70 g/t GOLD **FOR** 8,470 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5822	1997	SEDIMENTARY HOLDINGS	SEDIMENTARY HOLDINGS, ANNUAL REPORT 1997.	

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
ADITS	
UNDERGROUND MINING METHODS	
DECLINED SHAFTS/DRIVES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9453	100.00%	PLENTYGOLD MICLERE PTY LTD
ML	1929	100.00%	PLENTYGOLD MICLERE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MICLERE BASIN	Blair Athol Coal Measures / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	DEEP LEAD PLACER AU
GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	QUARTZ PEBBLE CONGLOMERATE AU-U

Mineralisation Age

ORE	PERMIAN

Comments

Gold is concentrated within basal conglomerates of the Miclere Basin sitting unconformably on rocks of the Anakie Metamorphic Group. The basement phyllite and schist below the unconformity commonly also contain some gold.
Gold in the conglomerates ranges from fine to very coarse, with the finer gold tending to be irregular and flat or flaky. The coarser gold is commonly rounded. Nuggets to 200g have been recorded and some 'specimen gold' occurs in quartz-rich clasts.
Thin flakes on fracture surfaces are developed in places, particularly in the basement schist. Pyrite and siderite are common in the cementing material within the conglomerate.
The genesis of the mineralisation remains controversal, with models ranging from simple deep lead to structurally-controlled epigenetic or unconformity-related fluid mixing being proposed.

Web Page

www.tasmangoldfields.com.au

Queensland Minerals

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493651 **MIDDLE ISLAND**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 33.6KM NE OF MIRIAM VALE

1:100 000 sheet Number and Name: 9249 MIRIAM VALE

Grid Reference: Zone 56 374255 mE 7335375 mN Latitude -24.0888 Longitude 151.7629 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ILMENITE	SMALL	5 000 - 5 000 000 tonnes IM
ZIRCON	SMALL	500 - 500 000 tonnes ZIR
RUTILE	SMALL	2 000 - 200 000 tonnes RUT

Production Details

Published Reserves/Resources

Company Report 277 Published in 1957

INFERRED MINERAL RESOURCE

346,032 Tonnes ILMENITE

21,085 Tonnes ZIRCON

5,271 Tonnes RUTILE

Deposits average 5.2% mixed concentrates for a total of 376,532t of concentrates.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	SHORELINE PLACER
DETAILED OREBODY MODEL	SHORELINE (STRANDLINE) PLACER HEAVY MINERALS
GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT HEAVY MINERALS

Mineralisation Age

ORE	QUATERNARY

Comments

The prospect covers areas of Quaternary sands containing strandline and dunal deposits of heavy minerals. The heavy mineral suite consists primarily of ilmenite, with minor zircon and rutile.

These deposits are held under MDL application by RZM Pty Ltd (Bemax Resources Ld).

Web Page

www.bemax.com.au

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43544 **MIGHTY ATOM**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 9.2KM NE OF MOUNT CUTHBERT MINE, 90KM NE OF MT ISA.

1:100 000 sheet Number and Name: 6858 ALSACE

Grid Reference: Zone 54 394361 mE 7794386 mN Latitude -19.9440 Longitude 139.9905 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Mighty Atom North

Mighty Atom South

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1913 to 31-Dec-1958 — 9,655 tonnes HARD ROCK ORE (OR REEF)

COPPER	OTHER	1,182.0 tonnes	12.20 percent
GOLD	BULLION	1.0 kilograms	

Period: 1-Jan-1968 to 31-Dec-1972 — 28 tonnes HARD ROCK ORE (OR REEF)

COPPER	OTHER	2.0 tonnes	7.30 percent

Published Reserves/Resources

BR 8922 Published in 2008 — **MIGHTY ATOM NORTH**

INDICATED MINERAL RESOURCE 233,000 tonnes Ore @ 1.10 % COPPER **FOR** 2,563 Tonnes COPPER

Comments/Cut Off Factor: 0.50%Cu Cut-off.

BR 8922 Published in 2008 — **MIGHTY ATOM SOUTH**

INDICATED MINERAL RESOURCE 86,000 tonnes Ore @ 1.10 % COPPER **FOR** 946 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8922	2008	MATRIX METALS LIMITED	ANNUAL REPORT 2008.	MATRIX METALS LIMITED, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1901	to	1901	Prospecting of lode commenced.
1903	to	1920	Main period of development.
1939	to	1941	Minor production.
1968	to	1972	K C Brown sank a prospecting shaft to 16m depth on the Western Lode, 70m south of the main shaft.

Mining Operations	Comments
SHAFTS	Main shaft has collapsed to 10m depth.
UNDERGROUND MINING METHODS	
STOPING	Lode stoped to the surface.
PITS	
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90141	100.00%	MALACO LEICHHARDT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Drilling in 1996/97 by Majestic Resources NL comprised 42 RC holes for a total of 2847m. Mineralisation is related to shearing and extends from 366 north to 800m south of the Mighty Atom shaft.

The Mighty Atom includes all workings from the main shaft south to and including the Mighty Atom South.

Web Page

www.matrixmetals.com.au

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494051 **MILLENNIUM**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 34.7KM WNW OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 416035 mE 7722263 mN Latitude -20.5968 Longitude 140.1943 Date Recorded: 16/February/2017

Other Names for Deposit / Mine

Mount Federal
Federal North
Federal South
Federal

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
COBALT	MEDIUM	1 000 - 20 000 tonnes CO

Production Details

Period: 1-Jan-1906 to 31-Dec-1956 — 4,223 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	992.9 tonnes	23.50 percent
GOLD	FINE	1.6 kilograms	0.37 grams per tonne
SILVER		92.7 kilograms	21.94 grams per tonne

Period: 1-Jan-1966 to 31-Dec-1974 — 780 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	42.4 tonnes	5.40 percent

Published Reserves/Resources

BR 10539 Published in 2016

MILLENNIUM

INFERRED MINERAL RESOURCE 3,070,000 tonnes Ore @

0.35 % COPPER	**FOR**	10,745 Tonnes COPPER
0.14 % COBALT	**FOR**	4,298 Tonnes COBALT
0.12 g/t GOLD	**FOR**	368 Kilograms GOLD

Comments/Cut Off Factor: 1.0 % Cu cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10539	2016	HAMMER METALS LIMITED	ASX ANNOUNCEMENT; MILLENIUM MINERAL RESOURCE ESTIMATE	ANNOUCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 06 DECEMBER 2016. HAMMER METALS LIMITED LTD, MT LAWLEY.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1904	to	1906	Federal Reward Copper Company Ltd shipped 183t of copper ore.
1910	to	1923	Shafts deepened to final depths and extensive stoping carried out.
1928	to	1930	Worked by tributers. Ore reserves exhausted.
1938	to	1956	Small parcels produced from mine dumps.
1966	to	1974	Smerdon, Moody, Briggs and Waldon (Federal Mines Syndicate) worked old dumps.

Mining Operations	Comments
SHAFTS	Most infilled
UNDERGROUND MINING METHODS	
STOPING	
TRENCHES	Infilled stopes
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	2762	100.00%	ELEMENT MINERALS AUSTRALIA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TOMMY CREEK DOMAIN	Milo beds / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

The main ore shoot of the main lode was 64m long, 0.6m wide and 132m deep. It plunged south at 60 to 70 degrees. There was a second ore shoot 91m to the north.

Web Page

http://www.hammermetals.com.au/

Queensland Minerals

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494081 **MILO**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 30.3 KM W OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 419028 mE 7704350 mN Latitude -20.7587 Longitude 140.2222 Date Recorded: 12/February/2016

Other Names for Deposit / Mine

Deeps
Gooyea
Milo North
Milo West

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU
RARE EARTH ELEMENTS	MEDIUM	1 000 - 1 000 000 tonnes REE
SILVER	SMALL	5 - 500 tonnes AG
COBALT	MEDIUM	1 000 - 20 000 tonnes CO
MOLYBDENUM	MEDIUM	5 000 - 200 000 tonnes MO

Production Details

9 tonnes HARD ROCK ORE (OR REEF)

URANIUM	0.1 tonnes	0.76 percent

Published Reserves/Resources

BR 10126 Published in 2013

MILO COPPER RESOURCE

INFERRED MINERAL RESOURCE 88,000,000 tonnes Ore @

1.60 g/t SILVER	**FOR**	140,800 Kilograms SILVER
0.11 % COPPER	**FOR**	96,800 Tonnes COPPER
0.01 % COBALT	**FOR**	11,440 Tonnes COBALT
0.01 % MOLYBDENUM	**FOR**	5,720 Tonnes MOLYBDENUM
0.01 % URANIUM	**FOR**	5,280 Tonnes URANIUM
0.04 g/t GOLD	**FOR**	3,520 Kilograms GOLD

Comments/Cut Off Factor: 0.1% Cu-equivalent cut-off

BR 10126 Published in 2013

TREEYO RESOURCE

INFERRED MINERAL RESOURCE 187,200,000 tonnes Ore @

0.03 % CERIUM OXIDE	**FOR**	48,672 Tonnes CERIUM OXIDE
0.02 % LANTHANUM OXIDE	**FOR**	28,080 Tonnes LANTHANUM OXIDE
0.01 % NEODYMIUM OXIDE	**FOR**	14,976 Tonnes NEODYMIUM OXIDE
0.01 % YTTRIUM OXIDE	**FOR**	9,734 Tonnes YTTRIUM OXIDE
0.00 % PRASEODYMIUM OXIDE	**FOR**	4,492 Tonnes PRASEODYMIUM OXIDE
0.00 % SAMARIUM OXIDE	**FOR**	2,246 Tonnes SAMARIUM OXIDE
0.00 % GADOLINIUM OXIDE	**FOR**	1,872 Tonnes GADOLINIUM OXIDE
0.00 % DYSPROSIUM OXIDE	**FOR**	1,497 Tonnes DYSPROSIUM OXIDE
0.00 % ERBIUM OXIDE	**FOR**	936 Tonnes ERBIUM OXIDE
0.00 % EUROPIUM OXIDE	**FOR**	748 Tonnes EUROPIUM OXIDE

Comments/Cut Off Factor: 300ppm cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10126	2013	GBM RESOURCES LIMITED / RM RESEARCH	GBM RESOURCES LIMITED, MILO MAIDEN CU RESOURCE STATEMENT AND "SCOPING STUDY" RELEASED	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE, 21 JANUARY 2013, GBM RESOURCES LTD.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Main shaft vertical and open to >25m depth.
ADITS	
PITS	
TRENCHES	

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Tenure Type/Number		SHARE	Company Name/Surname
EPM	14416	100.00%	ISA BRIGHTLANDS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TOMMY CREEK DOMAIN	Milo beds / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
TOMMY CREEK DOMAIN	Tommy Creek Microgranite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
TOMMY CREEK DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

In 2013 GBM Resources reported a maiden resource for the hybrid multi-commodity IOCG resource containing Cu, Au, Mo and U that has been overprinted and enveloped by widespread value adding rare earth elements and Y

In 2013 GBM chose to report a TREEYO resource sepearte from the copper resource despite 82% of the copper resource occurring within the REE resource boundary. The TREEYO resource comprises 187Mt at 610ppm for 113360t metal.

Web Page

www.gbmr.com.au

Queensland Minerals

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478925 **MINNAMOOLKA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 54 KM SOUTH OF MOUNT GARNET, 140KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7961 CASHMERE

Grid Reference: Zone 55 301627 mE 7989134 mN Latitude -18.1777 Longitude 145.1245 Date Recorded: 17/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
NICKEL	MEDIUM	25 000 - 500 000 tonnes NI
COBALT	MEDIUM	1 000 - 20 000 tonnes CO

Production Details

Published Reserves/Resources

BR 10566 Published in 2016 **MINNAMOOLKA**

INDICATED MINERAL RESOURCE 4,700,000 tonnes Ore @

0.82 % NICKEL **FOR** 38,540 Tonnes NICKEL

0.05 % COBALT **FOR** 2,350 Tonnes COBALT

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)

Iron and Magnesium are no longer reported in recent estimates.

BR 10566 Published in 2016 **MINNAMOOLKA**

INFERRED MINERAL RESOURCE 900,000 tonnes Ore @

0.78 % NICKEL **FOR** 9,048 Tonnes NICKEL

0.04 % COBALT **FOR** 360 Tonnes COBALT

Comments/Cut Off Factor: Cut-off grade NiEquiv > 0.7% (Ni + 1.5Co)

Iron and Magnesium are no longer reported in recent estimates.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10566	2016	METALLICA MINERALS LIMITED	ANNUAL REPORT 2016	MINING 2012; TAKING STOCK, P24; 28 OCTOBER 2016. METALLICA MINERALS LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
MDL 387	100.00%	NORNICO PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GREENVALE PROVINCE	Sandalwood Serpentinite / NEOPROTEROZOIC to EARLY CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL RESIDUAL DEPOSIT

DETAILED OREBODY MODEL LATERITIC NICKEL

Mineralisation Age

ORE CENOZOIC A silica rich duricrust caps this deposit.

Comments

This resource estimate is based on four separate bodies each consisting of a shallow, thin, irregular, tabular body with narrow linear zones of higher grade enrichment. This deposit is part of the Nornico project of Metallica Minerals Ltd.

Beneficiation studies of the siliceous laterite ore types have shown that by wet screening the material to 5mm it is possible to reject 46% of the mass and retain 91% of the nickel and 81% of the cobalt in an undersize concentrate.

One hundred and ninety-nine holes were drilled in the December 2007 quarter.

After re-tabulation of resources this deposit was grouped in the SCONI project - northern deposits, which was not part if the 2012 scoping study by Metallica Minerals Limited

Web Page

www.metallicaminerals.com.au

Queensland Minerals

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43746 **MINNIE MOXHAM**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 21.9 KM E OF THORNBOROUGH.

1:100 000 sheet Number and Name: 7964 RUMULA

Grid Reference: Zone 55 309854 mE 8122754 mN Latitude -16.9713 Longitude 145.2142 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Lizzie Moxham

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
ANTIMONY	VERY SMALL	<50 tonnes SB
BARITE	VERY SMALL	<50 tonnes BAR

Production Details

Period: 1-Jan-1877 to 31-Dec-1990

GOLD BULLION 810.0 kilograms

Published Reserves/Resources

MINNIE MOXHAM

INDICATED MINERAL RESOURCE 58,000 tonnes Ore @ 2.93 g/t GOLD **FOR** 170 Kilograms GOLD

Comments/Cut Off Factor: Sourced from MINMET website
From MINMET.

MINNIE MOXHAM

INFERRED MINERAL RESOURCE 15,000 tonnes Ore @ 3.00 g/t GOLD **FOR** 45 Kilograms GOLD

Comments/Cut Off Factor: Sourced from MINMET website
From MINMET.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 9869	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)

Mineralisation Age

ORE	CARBONIFEROUS	Ar/Ar age dating of muscovite indicates metamorphism and mineralisation may have occurred from around 343 to 334Ma. Orebody developed on west dipping sheared vein system.

Comments

Five holes drilled by Republic Gold Ltd in 2005 were disappointing, with no or only narrow mineralised intercepts. Rock chip samples of wall rock collected over a 300m strike length assayed 1.89 to 14.7g/t Au.

Web Page

www.republicgold.com.au

Queensland Minerals

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502868 **MIRRIOOLA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 32.1KM S OF CALTON HILLS HOMESTEAD

1:100 000 sheet Number and Name: 6757 KENNEDY GAP

Grid Reference: Zone 54 336620 mE 7739665 mN Latitude -20.4343 Longitude 139.4339 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Mirrioola North

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U
VANADIUM OXIDE	SMALL	5 - 500 tonnes V

Production Details

Published Reserves/Resources

BR 9918 Published in 2012 **MIRRIOOLA**

INFERRED MINERAL RESOURCE 2,000,000 tonnes Ore @ 0.06 % URANIUM OXIDE **FOR** 1,110 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 0.025% U3O8

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9918	2012	SUMMIT RESOURCES LIMITED	QUARTERLY REPORT FOR PERIOD ENDING - 30 JUNE 2012	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 27 JULY 2012. SUMMIT RESOURCES LIMITED, SUBIACO.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17514	100.00%	SUMMIT RESOURCES (AUST) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Cromwell Metabasalt Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	PROTEROZOIC

Comments

Summit Resources Ltd intersected multiple zones of uranium-vanadium mineralisation in hematite-K-feldspar altered sediments and tuff breccias. Grades of up to 0.51% U3O8 and 0.15% V2O5 have been intersected over 1m intervals.
Drill intersections have also included 8m at 0.11% U3O8 and 0.07% V2O5, 30m at 0.08% U3O8 and 0.08% V2O5, 18m at 0.09% U3O8 and 0.06% V2O5, and 16m at 0.12% U3O8 and 0.07% V2O5.
Summit are currently working on an updated resource for the Mirrioola deposit.

Web Page

www.summitresources.com.au

Queensland Minerals

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38453 **MISTAKE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 11.5KM SE OF PETFORD, 90KM WSW OF CAIRNS.

1:100 000 sheet Number and Name: 7863 CHILLAGOE

Grid Reference: Zone 55 287014 mE 8071969 mN Latitude -17.4280 Longitude 144.9948 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
FLUORITE	SMALL	50 - 50 000 tonnes FL
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Period: 1-Jan-1915 to 31-Dec-1972

FLUORITE 1,140.0 tonnes

Published Reserves/Resources

BR 1972 Published in 1972

INFERRED MINERAL RESOURCE 50,800 tonnes Ore @ 25.00 % FLUORITE **FOR** 12,700 Tonnes FLUORITE

to 76m depth

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 1972	1972	ARDM	ANNUAL REPORT OF THE UNDER SECRETARY FOR MINES FOR THE YEAR 1972.	DEPARTMENT OF MINES, QUEENSLAND, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
SHAFTS	
TRENCHES	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14028	100.00%	TROPICAL METALS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Elizabeth Creek Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	FLUORITE-QUARTZ VEINS

Mineralisation Age

ORE CARBONIFEROUS

Comments

The Mistake lode is a near-vertical fissure lode that has been worked intermittently for fluorite and tungsten.
The paragenesis, as seen in polished slabs, is: 1. granite brecciation and silicification, with silica flooding infill; 2. colloform quartz infill; 3. brecciation, with crystalline quartz-wolframite infill; 4. fluorite infill; 5. fracturing with fluorite-quartz infill; 6. another fracturing event with quartz-fluorite infill; 7. late-stage fracturing with crystalline fluorite on margins and brown chalcedonic quartz in the centre.

Web Page

www.qol.com.au

Queensland Minerals

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480903 **ML 108**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 18.5KM NE OF GOOMERI

1:100 000 sheet Number and Name: 9345 GOOMERI

Grid Reference: Zone 56 417459 mE 7119585 mN Latitude -26.0403 Longitude 152.1750 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
MERCURY	SMALL	3 - 30 tonnes HG

Production Details

Period: 1-Jan-1942 to 31-Dec-1942 27 tonnes HARD ROCK ORE (OR REEF)

MERCURY 68.8 kilograms

Published Reserves/Resources

BR 3550 Published in 1974

PROBABLE ORE RESERVE 7,000 tonnes Ore @ 907.00 g/t MERCURY **FOR** 6,349 Kilograms MERCURY

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 3550	1974	BROOKS, J.H., SYVRET, J.N. & SAWERS, J.D.	Mineral resources of the Kilkivan district.	Geological Survey of Queensland, Report 60.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	The face in the open cut at the main adit is about 6m high.
TRENCHES	Shallow trench about 60m uphill along strike.
ADITS	Main adit portal is open and accessible. Originally 47m long with 4 cross-cuts.
SHAFTS	Sunk to 3.9m below the floor of the open cut near the adit portal.

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NORTH D'AGUILAR SUBPROVINCE	Wongella Metamorphics / DEVONIAN to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	HOT SPRING HG (SULPHUR BANK TYPE, SULPHUROUS TYPE)	

Mineralisation Age

ORE	TRIASSIC

Comments

Denmead (1945) reported on ML 108 as lying in a zone of fracturing. Siderite, calcite and quartz have been deposited irregularly and accompanied in places by small quantities of cinnabar.

An adit was driven from the open cut for 47m and four cross-cuts were excavated. For the first 15m the ore was similar to that encountered in the open cut, but became less mineralised beyond that point.

The adit was sampled by Mr Runge and, of the 28 samples collected, one assayed 680g/t Hg, three assayed 108.5g/t Hg and the rest a trace. Denmead considered all the known payable ore to have been removed and no further development was warranted.

Sampling by Quality Earths Pty Ltd was dissapointing, with grades generally <0.05% Hg. Mined grades ranged from 107 to 735g/t . 5.21t of ore was extracted from the shaft for a recovery of 18.9kg Hg.

Web Page

Queensland Minerals

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45146 **MOBO CREEK**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 21.1 KM NNE OF MALANDA.

1:100 000 sheet Number and Name: 8063 BARTLE FRERE

Grid Reference: Zone 55 355940 mE 8100813 mN Latitude -17.1729 Longitude 145.6455 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Silkwood Brickworks

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jan-1952 to 31-Dec-1975

BRICK CLAY	17,100.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation/h / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	PALAEOZOIC

Comments

Web Page

Queensland Minerals

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494083 **MONAKOFF**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 20.8KM ENE OF CLONCURRY

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 467550 mE 7719311 mN Latitude -20.6250 Longitude 140.6885 Date Recorded: 19/January/2016

Other Names for Deposit / Mine

Monakoff East
Tinboll
Monawagh

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
URANIUM	SMALL	100 - 10 000 tonnes U
COBALT	VERY SMALL	<10 tonnes CO
MAGNETITE	VERY SMALL	<50 000 tonnes MT
LEAD	VERY SMALL	<1000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN
MOLYBDENUM	VERY SMALL	<50 tonnes MO
BISMUTH	VERY SMALL	<50 tonnes BI

Production Details

Period: 31-Dec-1958 189 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	18.6 tonnes	9.80 percent
GOLD	BULLION	0.4 kilograms	1.94 grams per tonne

Period: 1-Jul-1997 to 30-Jun-1998

COPPER	PLATE	448.0 tonnes

Published Reserves/Resources

BR 10427 Published in 2015 **MONAKOFF & MONAKOFF EAST**

INDICATED MINERAL RESOURCE 2,400,000 tonnes Ore @

0.95 % COPPER **FOR** 22,800 Tonnes COPPER

0.30 g/t GOLD **FOR** 720 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cutoff

BR 10427 Published in 2015 **MONAKOFF & MONAKOFF EAST**

INFERRED MINERAL RESOURCE 100,000 tonnes Ore @

0.80 % COPPER **FOR** 800 Tonnes COPPER

0.20 g/t GOLD **FOR** 20 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cutoff

BR 8291 Published in 2007 **MONAKOFF & MONAKOFF EAST**

INFERRED MINERAL RESOURCE 1,902,000 tonnes Ore @

0.02 % URANIUM OXIDE **FOR** 348 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: By-product uranium within 0.5% Cu cut-off envelope

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10427	2015	GLENCORE	GLENCORE RESOURCES & RESERVES AS AT 31 DECEMBER 2014.	HTTP://WWW.GLENCORE.COM/ASSETS/INVESTORS/DOC/REPORTS_AND_RESULTS/2014/GLEN-2014-RESOURCES-RESERVES-REPORT.PDF
BR 8291	2007	EXCO RESOURCES NL	INITIAL URANIUM RESOURCE.	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE, 16 JULY 2007. EXCO RESOURCES NL, PERTH.

Queensland Minerals

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1901	to	1901	Referred to as the Monawagh mine.
1908	to	1908	Held by the Monakoff Company.
1959	to	1959	Referred to as the Tinboll leases.
1997	to	1998	Mined by Cloncurry Mining Company NL for a short period from May 1997. The ore was treated at the Great Australia plant.

Mining Operations	Comments
OPEN CUT MINING	Old workings
SHAFTS	Deepest old shaft was 28m.
PITS	Old workings
TRENCHES	Old workings
UNDERGROUND MINING METHODS	Old workings
OPEN CUT MINING	450m long x 30m wide x >20m deep open cut excavated by Cloncurry Mining Company NL in 1997.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	7085	100.00%	MOUNT MARGARET MINING PTY LTD
ML	7122	100.00%	MOUNT MARGARET MINING PTY LTD
ML	90198	100.00%	MOUNT MARGARET MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Mount Norna Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Drilling results announced in January 2009 included 16m at 1.52% Cu and 0.47g/t Au from 114m, 12m at 1.36% Cu and 0.46g/t Au from 42m and 19.1m at 1.06% Cu and 0.43g/t Au from 56.9m.
Part of Exco Resources NL's Cloncurry Copper Project. Exco are currently undertaking drilling at the Monakoff deposit and at the nearby Monakoff East prospect.
Open cut mining commenced at Mount Margaret in July 2012 and the first ore production was processed at Ernest Henry in September 2012. The ore is transported to the Ernest Henry mine for processing through the existing concentrator.
In March 2010 Exco resources (BR9458) announced measured, indicated and inferred resources for Monakoff, followed in December 2010 by statement of proved and probable ore reserves based on previous resource figures (BR9547).
In June 2011, Exco Resources Ltd sold the Cloncurry Copper Project to Xstrata Limited which included the E1 Camp (now Mount Margaret) and Monakoff deposits.

Web Page

www.glencore.com

Queensland Minerals

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517153 **MONAKOFF EAST**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 23.0KM ENE OF CLONCURRY.

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 470020 mE 7719266 mN Latitude -20.6255 Longitude 140.7122 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Templar

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
URANIUM	VERY SMALL	<100 tonnes U

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14201	100.00%	MOUNT MARGARET MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Toole Creek Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	PROTEROZOIC

Comments

Drilling by Exco Resources in 2008 intersected 40m at 2.14% Cu and 0.58g/t Au from 18m and 4.8m at 1.13% Cu and 0.49g/t Au from 21.7m.

The Monakoff East deposit is located 3km to the east along strike from the Monakoff deposit, with mineralisation similar to that seen at Monakoff. Mineralisation is near surface and favourable to open cut mining methods.

Exco Resources Ltd reported an inferred resources for the Monakoff East deposit in February 2008 of 700000t @ 1.25% Cu and 0.36% Cu. Recent resource figures for the Monakoff deposit are inclusive of this figure and are on the Monakoff datasheet.

In June 2011, Exco Resources Ltd sold the Cloncurry Copper Project to Xstrata Limited which included the E1 Camp (now Mount Margaret), Monakoff and Monakoff East deposits.

Web Page

www.xstrata.com

Queensland Minerals

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507508 **MONIER TOOWOOMBA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 14.6KM N OF TOOWOOMBA.

1:100 000 sheet Number and Name: 9243 OAKEY

Grid Reference: Zone 56 396917 mE 6966154 mN Latitude -27.4240 Longitude 151.9571 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	MEDIUM	200 000 - 20 000 000 tonnes BKCY

Production Details

Period:	1-Jul-1997	to	30-Jun-1998
BRICK CLAY			34,532.0 tonnes
Period:	1-Jul-1999	to	30-Jun-2000
BRICK CLAY			26,520.0 tonnes
Period:	1-Jul-2000	to	30-Jun-2001
BRICK CLAY			12,610.0 tonnes
Period:	1-Jul-2001	to	30-Jun-2002
CLAY			4,160.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5974	100.00%	TOWN & COUNTRY PROJECT MANAGEMENT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CLARENCE-MORETON BASIN	Marburg Subgroup / EARLY JURASSIC to MIDDLE JURASSIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	JURASSIC

Comments

Web Page

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40026 **MONKLAND, NOS 2 & 3**

ABANDONED MINE

Descriptive Location: 2.8 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468015 mE 7101062 mN Latitude -26.2095 Longitude 152.6798 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1870 to 31-Dec-1886 17,300 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 814.4 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 50114	100.00%	GYMPIE ELDORADO MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Reports in the 1924 Queensland Government Mining Journal indicate that the Glanmire Syndicate attempted to recondition the shaft, but abandoned this work in favour of sinking a new shaft (the 'New Glanmire') 49m to the south.

From examination of old lease plans and maps, it appears that this location was the original 'Monkland, No. 3 South' mine. The 'Monkland, No. 2 South' may have been the unnamed shaft shown by Dunstan (1910, 1911) immediately north-west of this site. Dunstan (1910, 1911) also showed a shaft, located about 55m to the south-west, as the 'Old Nos 2 & 3 Monkland, western shaft, vertical and underlie'.

No other data on this shaft have been found. Rands (1889) recorded separate production data for the 'Monkland, No. 2 South' and 'Monkland, No. 3 South' until 1873.

Web Page

www.bukagold.com.au

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

40028 **MONKLAND, NOS 7 & 8 SOUTH**

ABANDONED MINE

Descriptive Location: 3.0 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468109 mE 7100895 mN Latitude -26.2110 Longitude 152.6808 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period: 1-Jan-1868 to 31-Dec-1935 54,000 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 2,178.2 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	50114	100.00%	GYMPIE ELDORADO MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

The 'Monkland, No.7 South' & the 'Monkland, No.8 South' both commenced operations in 1868 & by 1871 were amalgamated to form the 'Monkland, Nos 7 & 8 South' (Holthouse, 1973). Rands (1889) reported that Glanmire & Monkland reefs were worked by this mine. Both reefs were rich on the 'break' at the top of the slate at 61m depth. More than 124kg of gold came from one crushing where the reef turns down from the break. In the northern part of the claim, the Glanmire reef split into two branches 8.5m apart.
The two reefs cross but one does not appear to be dislocated by the other. The Old Eastern, Barrys, Edwards and McPhersons reefs were also worked.

Web Page

www.bukagold.com.au

Queensland Minerals

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39782 **MONKLAND, WEST**

ABANDONED MINE

Descriptive Location: 3.2 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468190 mE 7100660 mN Latitude -26.2132 Longitude 152.6816 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Glanmire And Monkland, South
Raggedy
Raggetty

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1875 to 31-Dec-1907 45,050 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 934.7 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

From 1897 onwards, the west shaft was worked intemittently by tribute parties. Rands(1889,p15;1895,p7) described the workings in considerable detail.

This mine was originally the 'Monkland, West' (GML 236) and also known as 'Raggedy' or 'Raggetty'. The earliest recorded production under the name 'Glanmire and Monkland, South' was in 1879 (Rands,1889).

This shaft (west shaft) operated as the main shaft of the 'Glanmire and Monkland, South' until about 1897 when the east shaft took over this role. (The east shaft was the old 'Great Eastern Extended, South' shaft, incorporated into GML 833 in 1892.)

The New No.2 reef (abranch of the No.2) at the 148m level comprised a mass of 12-200mm wide quartz leaders in a zone 4.6 to 9.1m wide. This stockwork was worked as one orebody; the ore, partially selected, averaged about 15.3g/t Au.

Host rock for the gold-bearing reefs in this area was the 37m thick "Monkland Slate". Mining was carried out on the Inglewood, Monkland, Old Eastern, Great Eastern (No.4), No.2 (New and Old), No.3, and No.5 reefs.

The Inglewood Reef varies from solid quartz to "mullock" with scattered blocks of quartz (Rands, 1889). A 10.7m wide diorite dyke, which strikes 000 degrees and dips steeply to the west, cuts the lease; the Great Eastern reef cuts through this dyke.

Web Page

www.bukagold.com.au

Queensland Minerals

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481506 **MONSILDALE**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 8.5 KM WEST-SOUTH-WEST OF JIMNA, 100KM NW OF BRISBANE.

1:100 000 sheet Number and Name: 9344 NANANGO

Grid Reference: Zone 56 438491 mE 7048009 mN Latitude -26.6876 Longitude 152.3818 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Golden Plover

Golden Plover Ii

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Published Reserves/Resources

Company Report 15519 Published in 1986 **MAIN LODE**

INFERRED MINERAL RESOURCE 250,000 tonnes Ore @ 2.00 g/t GOLD **FOR** 500 Kilograms GOLD

Company Report 15519 Published in 1986 **SOUTHERN LODE**

INFERRED MINERAL RESOURCE 100,000 tonnes Ore @ 2.00 g/t GOLD **FOR** 200 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference	ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1893			A small amount of work was completed by the owner of Monsildale Station prior to 1893.
1894	to	1900	Underground exploration work
1925	to	1932	Further underground exploration
1963	to	1964	Further exploration shafts

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	
TRENCHES	
OPEN CUT MINING	
ADITS	Collapsed/dozed.

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARUMBA SUBPROVINCE (BLOCK)	Marumba beds / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE PERMIAN

Comments

This deposit has been worked historically and is part of a system of polymetallic gold-bearing veins in the area. The thinness and lack of bulk tonnage have prevented the deposit from being exploited in recent times.

The deposit has a drill intersection of 3.7m at 3.6g/t Au and 69.4g/t Ag.

Web Page

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37792 **MONTE VIDEO**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 20.5KM WSW OF NYCHUM HS.

1:100 000 sheet Number and Name: 7764 BELLEVUE

Grid Reference: Zone 55 208514 mE 8124869 mN Latitude -16.9416 Longitude 144.2633 Date Recorded: 15/January/2013

Other Names for Deposit / Mine

Montevideo

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
LEAD	SMALL	1000 - 100 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Published Reserves/Resources

BR 10070 Published in 2011

MONTEVIDEO

INFERRED MINERAL RESOURCE 720,000 tonnes Ore @

7.70 % ZINC	**FOR**	55,440 Tonnes ZINC
7.20 g/t SILVER	**FOR**	5,172 Kilograms SILVER
0.20 % LEAD	**FOR**	1,436 Tonnes LEAD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10070	2011	KAGARA MINING	QUARTERLY ACTIVITY REPORT FOR THE PERIOD ENDING 30 DECEMBER 2011.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 30 DECEMBER 2011 KAGARA MINING, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	7672	100.00%	MUNGANA GOLDMINES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	SKARN
DETAILED OREBODY MODEL	BASE METAL SKARN
DETAILED OREBODY MODEL	IRON SKARN

Mineralisation Age

ORE	CARBONIFEROUS

Comments

Web Page

www.kagara.com.au

Queensland Minerals

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488437 **MONUMENT**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 3.2 KM NW OF KALPOWER

1:100 000 sheet Number and Name: 9148 MONTO

Grid Reference: Zone 56 325685 mE 7269105 mN Latitude -24.6825 Longitude 151.2771 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
MOLYBDENUM	SMALL	50 - 5 000 tonnes MO
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 7654 Published in 2005

INFERRED MINERAL RESOURCE 8,022,000 tonnes Ore @

0.40 % COPPER **FOR** 32,088 Tonnes COPPER

0.02 % MOLYBDENUM **FOR** 1,243 Tonnes MOLYBDENUM

Comments/Cut Off Factor: 0.2% Copper cutoff.

Determined from 36 drillholes.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7654	2005	QUEENSLAND ORES LIMITED	PROSPECTUS ISSUED 11 MARCH 2005.	QUEENSLAND ORES LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	3209	100.00%	MT CANNINDAH MINING PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ROCKHAMPTON SUBPROVINCE	Rockhampton Group / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	COPPER SKARN

Mineralisation Age

ORE	PALAEOZOIC

Comments

Part of Queensland Ores Limited's (now Planet Metals Ltd) Mount Cannindah Project.

Web Page

www.planetmetals.com.au

Queensland Minerals

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45371 **MOODY FLATS**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 14.9 KM NNE OF BAMAGA, 700KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7376 THURSDAY ISLAND

Grid Reference: Zone 54 657125 mE 8809267 mN Latitude -10.7683 Longitude 142.4370 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
ZIRCON	VERY SMALL	<2 500 tonnes ZIR
ILMENITE	VERY SMALL	<5 000 tonnes IM
RUTILE	VERY SMALL	<2 000 tonnes RUT

Production Details

Published Reserves/Resources

Company Report 3113 Published in 1990

INFERRED MINERAL RESOURCE 470,000 cubic metres Ore @ 0.48 kg/m*3 CASSITERITE **FOR** 226 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Matilda Minerals Ltd has applied for EPM 15224 and intends to explore for Pleistocene and Holocene strandline mineral sand deposits in the Cape York area. Moody Flats is within the New Mapoon DOGIT.
Consolidated Mining Industries Ltd carried out auger drilling in the area and calculated an inferred resource of 0.47 Mm3 at 480 g/m3 cassiterite. Jimbilly Pty Ltd collected 4 hand-dug samples from the eastern side of the Moody Flats area. Pan concentrat es contained 2.1 to 11.5 % Sn; the mineralogy of the samples was 23 to 62 % quartz, 4 to 48 % opaque oxides (mainly ilmenite), 5 to 21 % zircon, 0 to 47 % limonite, 3 to 15 % cassiterite, and a trace of rutile and tourmaline. Two bulk samples were colle cted but grades were lower than anticipated. Trenching with an excavator indicated that the alluvium is shallow; grades are lower than in Booty and Laradeenya Creeks.

Web Page

www.matildaminerals.com

Queensland Minerals

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38794 **MOONSTONE LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1.8 KM SSW OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 421480 mE 7778366 mN Latitude -20.0901 Longitude 146.2490 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Southeast Moonstone
Perseverance
New Queen Cross
Papuan
Brilliant And Victoria
No. 2 South-East Day Dawn
Brown'S Shaft
Parson'S Shaft
Moonstone No. 1 W Extended
Bowry'S Moonstone

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1884	to	31-Dec-1907	648	tonnes HARD ROCK ORE (OR REEF)
GOLD			BULLION	11.1 kilograms	
Period:	1-Jan-1911	to	31-Dec-1917	18,539	tonnes HARD ROCK ORE (OR REEF)
GOLD			BULLION	602.6 kilograms	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1870	to	1907	
1911	to	1917	Worked form the New Queen Cross Mine and the Papuran, Brilliant & Victoria mine

Mining Operations	Comments
UNDERGROUND MINING METHODS	
INCLINED SHAFTS / DRIVES	At least
SHAFTS	At least
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
MDL 116	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Web Page

Queensland Minerals

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483542 **MORETON ISLAND**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: MORETON ISLAND, 55KM NE OF BRISBANE.

1:100 000 sheet Number and Name: 9543 BRISBANE

Grid Reference: Zone 56 544205 mE 7003476 mN Latitude -27.0903 Longitude 153.4459 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
SILICA SAND	LARGE	>2 500 000 tonnes SIS
ILMENITE	VERY SMALL	<5 000 tonnes IM
RUTILE	VERY SMALL	<2 000 tonnes RUT
ZIRCON	VERY SMALL	<2 500 tonnes ZIR
MONAZITE	VERY SMALL	<200 tonnes MZ

Production Details

Published Reserves/Resources

BR 5273 Published in 1993

MORETON ISLAND

INDICATED MINERAL RESOURCE

407,000,000 Tonnes SILICA SAND

Zircon, Rutile, Ilmenite ratio 1:1:3.

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source
BR 5273	1993	COOPER, W.	QUEENSLAND MINERAL COMMODITY REPORT. SILICA SAND.	QUEENSLAND GOVERNMENT MINING JOURNAL, 94 (1102), 7-15.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1957	to	1958	Heavy minerals produced by scraping beaches.

Mining Operations	Comments
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	Qpd/1-9543 / QUATERNARY to QUATERNARY
MODERN COASTAL DEPOSITS	Qpd/2-9543 / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT HEAVY MINERALS
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	QUATERNARY	Sand.

Comments

The silica sand and heavy mineral resources of Moreton Island are now within the Moreton Island National Park.

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42149 **MORRISONS**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: NE OF MUNGANA.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 226114 mE 8110069 mN Latitude -17.0774 Longitude 144.4266 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Morrison
Queenslander Lead Shaft
Red Cap/Morrison
Morrisons Lode

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
LEAD	SMALL	1000 - 100 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG
ZINC	SMALL	200 - 200 000 tonnes ZN
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 10072 Published in 2012

MORRISONS - POLYMETALLIC

INFERRED MINERAL RESOURCE 1,930,000 tonnes Ore @

5.40 % ZINC	**FOR**	104,220 Tonnes ZINC
21.00 g/t SILVER	**FOR**	40,530 Kilograms SILVER
0.60 % COPPER	**FOR**	11,580 Tonnes COPPER
0.30 % LEAD	**FOR**	5,790 Tonnes LEAD
0.10 g/t GOLD	**FOR**	193 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10072	2012	KAGARA LIMITED (AMINISTRATORS APPOINTED) TAYLOR WOODINGS	ASX ANNOUNCEMENT/ MEDIA RELEASE BY TAYLOR WOODINGS; UPDATE: BAAL GAMMON COPPER PROJECT - NORTH QUEENSLAND	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 26 SEPTEMBER 2012 KAGARA MINING, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1895	to	1909	

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	
DREDGING	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	Redcap Volcanics / CARBONIFEROUS to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	COPPER SKARN

Mineralisation Age

ORE

Comments

Web Page

http://www.munganagoldmines.com.au/

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493333 **MORTAR ISLAND**

ABANDONED MINE

Descriptive Location: MORTAR ISLAND, DUKE ISLAND CHAIN WHICH IS PART OF THE NORTHUMBERLAND GROUP.

1:100 000 sheet Number and Name: 8954 PERCY ISLES

Grid Reference: Zone 56 206337 mE 7567707 mN Latitude -21.9705 Longitude 150.1564 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Morkar Island

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST
MARBLE	VERY SMALL	<10 000 tonnes MARB

Production Details

Period: 1-Jan-1904 to

MARBLE 300.0 tonnes

Published Reserves/Resources

BR 5640 Published in 1955

INFERRED MINERAL RESOURCE

670,560 Tonnes LIMESTONE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5640	1955	SHEPHERD, S.R.L.	LIMESTONE ON DUKE ISLANDS - BROAD SOUND.	QUEENSLAND GOVERNMENT MINING JOURNAL, 56, 926-931.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1974	to	1979	Held under ML 935 Rockhampton by Ulam Carrara Marble Quarries P/L & others.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
YARROL PROVINCE	Mount Holly beds / SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT
DETAILED OREBODY MODEL	MARBLE DEPOSIT

Mineralisation Age

ORE	EARLY DEVONIAN to SILURIAN	Limestone and marble.

Comments

A small marble and limestone quarry, from which several hundred tonnes was produced, is on the southern side of the island. The marble quarried was a bluish or creamy colour.

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569889 **MOUNT ALLISON**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 50KM W OF GLADSTONE

1:100 000 sheet Number and Name: 9049 BILOELA

Grid Reference: Zone 56 268800 mE 7343800 mN Latitude -24.0009 Longitude 150.7273 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Central Deposit
Western Deposit
Eastern Deposit
Golden Eagle

Commodities	Size	Size Definition
GARNET	MEDIUM	100 000 - 1 000 000 tonnes GN
MAGNETITE	VERY SMALL	<50 000 tonnes MT

Production Details

Published Reserves/Resources

Company Report 31783 Published in 2000 **CENTRAL DEPOSIT**
INDICATED MINERAL RESOURCE 58,330 tonnes Ore @
88.00 % GARNET **FOR** 51,330 Tonnes GARNET

Company Report 31783 Published in 2000 **CENTRAL DEPOSIT**
MEASURED MINERAL RESOURCE 341,075 tonnes Ore @
88.00 % GARNET **FOR** 300,146 Tonnes GARNET

Company Report 31783 Published in 2000 **WESTERN DEPOSIT**
INDICATED MINERAL RESOURCE 300,058 tonnes Ore @
88.00 % GARNET **FOR** 264,051 Tonnes GARNET

Company Report 31783 Published in 2000 **WESTERN DEPOSIT**
MEASURED MINERAL RESOURCE 88,703 tonnes Ore @
88.00 % GARNET **FOR** 78,058 Tonnes GARNET

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	16411	100.00%	ECONOMITE PTY LTD
ML	80135	100.00%	ECONOMITE PTY LTD
ML	80136	100.00%	ECONOMITE PTY LTD
ML	80137	100.00%	ECONOMITE PTY LTD
ML	80138	100.00%	ECONOMITE PTY LTD
ML	80139	100.00%	ECONOMITE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PERMO-TRIASSIC IGNEOUS PROVINCES	Sawnee Gabbro / LATE PERMIAN to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL SKARN

DETAILED OREBODY MODEL IRON SKARN

Mineralisation Age

ORE LATE PERMIAN to EARLY TRIASSIC

Comments

Mount Allison comprises three garnet-magnetite skarn deposits. Central Queensland Magnetite Pty Ltd investigated these as a source of abrasive garnet in the late 1990s.

Economite Pty Ltd, a Brisbane abrasives company, has been granted mining leases adjacent to Mount Allison. The company plans to commence bulk sampling for metallurgical test work in the December 2007 quarter.

Web Page

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488463 **MOUNT CANNINDAH**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 4.3 KM NORTH-WEST OF KALPOWER, 80KM SW OF GLADSTONE.

1:100 000 sheet Number and Name: 9148 MONTO

Grid Reference: Zone 56 325285 mE 7270515 mN Latitude -24.6697 Longitude 151.2734 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jul-1906	to	30-Jun-1907	
COPPER			MATTE	70.0 tonnes
Period:	1-Jan-1916	to	31-Dec-1918	
COPPER			MATTE	760.0 tonnes
GOLD			BULLION	933.1 kilograms
Period:	1-Jan-1947	to	31-Dec-1965	
COPPER			MATTE	200.0 tonnes

Published Reserves/Resources

BR 9930 Published in 2012

MOUNT CANNINDAH - SULPHIDE ORE

INDICATED MINERAL RESOURCE 2,500,000 tonnes Ore @

14.50 g/t SILVER	**FOR**	36,250 Kilograms SILVER
0.86 % COPPER	**FOR**	21,500 Tonnes COPPER
0.34 g/t GOLD	**FOR**	850 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cut-off, density of 2.7t/m3

BR 9930 Published in 2012

MOUNT CANNINDAH - SULPHIDE ORE

INFERRED MINERAL RESOURCE 1,100,000 tonnes Ore @

13.60 g/t SILVER	**FOR**	14,960 Kilograms SILVER
0.97 % COPPER	**FOR**	10,670 Tonnes COPPER
0.27 g/t GOLD	**FOR**	297 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cut-off, density of 2.7t/m3

BR 9930 Published in 2012

MOUNT CANNINDAH - SULPHIDE ORE

MEASURED MINERAL RESOURCE 1,900,000 tonnes Ore @

16.20 g/t SILVER	**FOR**	30,780 Kilograms SILVER
0.96 % COPPER	**FOR**	18,240 Tonnes COPPER
0.39 g/t GOLD	**FOR**	741 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cut-off, density of 2.7t/m3

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9930	2012	PLANET METALS LIMITED	ANNUAL REPORT 2012	PLANET METALS ANNOUCEMENT TO THE AUSTRALIAN STOCK EXCHANGE. 27 SEPTEMBER 2012.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	Recent shaft accessible from hill top.

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Tenure Type/Number		SHARE	Company Name/Surname
ML	3201	100.00%	MT CANNINDAH MINING PTY LIMITED
ML	3202	100.00%	MT CANNINDAH MINING PTY LIMITED
ML	3203	100.00%	MT CANNINDAH MINING PTY LIMITED
ML	3204	100.00%	MT CANNINDAH MINING PTY LIMITED
ML	3205	100.00%	MT CANNINDAH MINING PTY LIMITED
ML	3206	100.00%	MT CANNINDAH MINING PTY LIMITED
ML	3207	100.00%	MT CANNINDAH MINING PTY LIMITED
ML	3208	100.00%	MT CANNINDAH MINING PTY LIMITED
ML	3209	100.00%	MT CANNINDAH MINING PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ROCKHAMPTON SUBPROVINCE	Rockhampton Group / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS
PERMO-TRIASSIC IGNEOUS PROVINCES	PRg-YARROL/SCAG / LATE PERMIAN to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU

Mineralisation Age

ORE	PERMIAN to TRIASSIC

Comments

Queensland Ore Ltd plans open cut and possible future underground mining. First production is targeted for 2009.
Drilling results in July 2007 included 12m at 1.82% Cu, 0.43g/t Au and 28.8g/t Ag from 214m and 71m at 2.44% Cu, 1.01g/t Au and 47.9g/t Ag from 39m (including 9m at 6.23% Cu, 1.5g/t Au and 84.6g/t Ag from 44m).
Drill results announced in October 2007 included 12m at 2.05% Cu, 0.66g/t Au & 21.4g/t Ag from 21m, 3m at 3.8% Cu, 0.12g/t Au & 14.2g/t Ag from 13m, 2m at 0.32% Cu, 5.27g/t Au & 7.2g/t Ag from 25m, and 15m at 1.07% Cu, 0.21g/t Au & 11.7g/t Ag from 145m.
In March 2008, Queensland Ores announced that metallurgical testwork on ore samples from Mount Cannindah had identified a cost-effective processing option for the project.
In October 2010 Planet Metals reported results on new drilling: 2 holes confirmed mineralised zone to extend down-dip of existing resource: MCMDD027: 93m @ 0.61% Cu, 0.18g/t Au & 8.0g/t Ag from 282-375m (BR9613).
In July 2010 Metallica quoted 2008 resource figures from this deposit still to be current. Further RD/diamond drilling (2 holes) is planned to extend known mineralisation down-dip from mineralised envelope (BR9598 & BR9612).

Web Page

www.qol.com.au

Other Names for Deposit / Mine

East Cannindah Prospect
Cannindah East
East Cannindah

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 6215 Published in 1998

INFERRED MINERAL RESOURCE 250,000 tonnes Ore @ 2.82 g/t GOLD **FOR** 705 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6215	1998	LAURIE J.	OPTION AGREEMENT WITH NEWCREST/MT ISA MINES/CARPENTARIA GOLD.	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE, 21 DEC 1998. COOLGARDIE GOLD NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	COLLAPSED.
TRENCHES	SEVERAL.

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Tenure Type/Number		SHARE	Company Name/Surname
EPM	15261	100.00%	MT CANNINDAH MINING PTY LIMITED
ML	3204	100.00%	MT CANNINDAH MINING PTY LIMITED
ML	3205	100.00%	MT CANNINDAH MINING PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ROCKHAMPTON SUBPROVINCE	Rockhampton Group / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU
GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	PERMIAN to TRIASSIC

Comments

Small gold resource currently covered by MLs 3204 and 3205 (Mount Cannidah Mining Pty Ltd).

Web Page

www.qol.com.au

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38937 **MOUNT CENIS**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 7 KM SOUTH OF CHARTERS TOWERS PO, 105KM SW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 422339 mE 7772778 mN Latitude -20.1406 Longitude 146.2569 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Period: 1-Jan-1879 to 31-Dec-1890 123 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 3.0 kilograms 24.00 grams per tonne

Published Reserves/Resources

BR 10151 Published in 2012

MOUNT CENIS (S04)

INFERRED MINERAL RESOURCE 486,000 tonnes Ore @

13.50 g/t GOLD **FOR** 6,561 Kilograms GOLD

9.00 g/t SILVER **FOR** 4,374 Kilograms SILVER

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	UNDERLIE
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
MDL	251	25.00%	CHARTERS TOWERS MINES PTY LTD
MDL	251	75.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN
CAPE RIVER PROVINCE	Charters Towers Metamorphics / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	
GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Resource forms part of the Charters Towers Project of Citigold Corporation Limited.

Web Page

http://www.citigold.com.au/

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489229 **MOUNT CHALMERS**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1 KM EAST OF MT CHALMERS TOWNSHIP, 80KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 9051 ROCKHAMPTON

Grid Reference: Zone 56 259895 mE 7421282 mN Latitude -23.3003 Longitude 150.6523 Date Recorded: 25/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Period: 1-Jan-1860 to 31-Dec-1982 1,200,000 tonnes HARD ROCK ORE (OR REEF)

GOLD	FINE	3,619.9 kilograms
COPPER	METAL	22,624.0 tonnes
SILVER		21,751.3 kilograms
ZINC	OTHER	7,099.0 tonnes
LEAD	OTHER	19,021.0 tonnes

Published Reserves/Resources

BR 9035 Published in 2006

MOUNT CHALMERS

INDICATED MINERAL RESOURCE 2,880,000 tonnes Ore @

1.20 % COPPER	**FOR**	34,560 Tonnes COPPER
10.00 g/t SILVER	**FOR**	28,800 Kilograms SILVER
0.50 % ZINC	**FOR**	14,400 Tonnes ZINC
0.20 % LEAD	**FOR**	5,760 Tonnes LEAD
1.00 g/t GOLD	**FOR**	2,880 Kilograms GOLD

BR 9035 Published in 2006

MOUNT CHALMERS

INFERRED MINERAL RESOURCE 670,000 tonnes Ore @

1.50 % COPPER	**FOR**	10,050 Tonnes COPPER
2.00 g/t SILVER	**FOR**	1,340 Kilograms SILVER
0.20 g/t GOLD	**FOR**	134 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9035	2006	ECHO RESOURCES LIMITED	PROSPECTUS, 31 MARCH 2006.	ECHO RESOURCES LIMITED, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1860			Discovery of highly siliceous pyritic capping.
1860	to	1898	Worked as a gold mine until copper mineralisation was discovered at 15m.
1907	to	1914	Main orebody developed by Great Fitzroy Gold & Copper Mines Ltd.
1941	to	1943	Temporarily reopened by Mount Morgan Ltd.
1977	to	1979	GEOPEKO DRILLED & DEFINED THE WEST LODE IN 1977.
1979	to	1982	Open cut mining by Geopeko began in 1979 and ceased in 1982 due to low metal prices.

Mining Operations	Comments
SHAFTS	
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BERSERKER SUBPROVINCE	Chalmers Formation / EARLY PERMIAN to EARLY PERMIAN

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Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE	STOCKWORK
DETAILED OREBODY MODEL	VMS - KUROKO STYLE (NORANDA, FELSIC TO INTERMED VMS TYPE)	

Mineralisation Age

ORE	EARLY PERMIAN

Comments

Mineralisation occurs in two main orebodies (the main lode and west lode) and one minor lode (the south lode).

The main lode comprises an upper zone of pyritic massive sulphides rich in Au, Cu and Ag underlain by a more extensively silica-altered zone containing stringer sulphides with Cu and Au.

The west lode occurs as a more or less flat lying stratabound body with an upper zone of massive Cu-Au-Zn-Pb-Ag ore and a lower stringer zone of Cu-Au ore. The south lode is a thin bed of stratiform massive sulphides.

Web Page

www.echoresources.com.au

Queensland Minerals

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43465 **MOUNT CLARKE**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: NORTHWEST OF THE MT KELLY MINE

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 305461 mE 7799521 mN Latitude -19.8908 Longitude 139.1418 Date Recorded: 9/February/2017

Other Names for Deposit / Mine

Mount Clarke Extended
Mount Clark
Mount Betty
Lady Betty

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Period: 31-Dec-1967 89 tonnes OXIDE ORE
COPPER OTHER 5.7 tonnes
Period: 1-Jul-2007 to 30-Jun-2015
COPPER PLATE 22,801.7 tonnes

Published Reserves/Resources

BR 10433 Published in 2015 **MOUNT CLARKE OXIDE ORE**
INDICATED MINERAL RESOURCE 350,000 tonnes Ore @
0.43 % COPPER **FOR** 1,505 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **MOUNT CLARKE OXIDE ORE**
INFERRED MINERAL RESOURCE 20,000 tonnes Ore @
0.48 % COPPER **FOR** 96 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **MOUNT CLARKE OXIDE ORE**
MEASURED MINERAL RESOURCE 150,000 tonnes Ore @
0.46 % COPPER **FOR** 690 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff.
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **MOUNT CLARKE SULPHIDE ORE**
INDICATED MINERAL RESOURCE 690,000 tonnes Ore @
0.57 % COPPER **FOR** 3,990 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **MOUNT CLARKE SULPHIDE ORE**
INFERRED MINERAL RESOURCE 500,000 tonnes Ore @
0.55 % COPPER **FOR** 2,750 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **MOUNT CLARKE SULPHIDE ORE**
MEASURED MINERAL RESOURCE 420,000 tonnes Ore @
0.64 % COPPER **FOR** 2,688 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff
Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **MOUNT CLARKE TRANSITION ORE**
INDICATED MINERAL RESOURCE 160,000 tonnes Ore @
0.47 % COPPER **FOR** 752 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff
Incorporating mining depletion to end of December 2014.

BR 10367 Published in 2014 **MOUNT CLARKE TRANSITION ORE**
INFERRED MINERAL RESOURCE 2,000 tonnes Ore @
0.46 % COPPER **FOR** 92 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff
0.00Mt in 2015 ref

BR 10433 Published in 2015 **MOUNT CLARKE TRANSITION ORE**
MEASURED MINERAL RESOURCE 460,000 tonnes Ore @
0.59 % COPPER **FOR** 2,714 Tonnes COPPER
Comments/Cut Off Factor: 0.3% Cu cutoff
Incorporating mining depletion to end of December 2014.

Resource figures listed above are JORC compliant.

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Published Reference ID	Year	Author	Title	Source
BR 10367	2014	GOLDER ASSOCIATES	CST MINING GROUP LIMITED; LADY ANNIE RESOURCE STATEMENT FOR FEBRUARY 2014	ANNOUNCEMENT TO THE STOCK EXCHANGE OF HONG KONG LIMITED, 30 MAY 2014. CST MINING GROUP LIMITED, MELBOURNE.
BR 10433	2015	CST MINING GROUP LIMITED	EXPLORE THE ROAD TO SUCCESS - ANNUAL REPORT 2015	ANNOUNCEMENT TO THE STOCK EXCHANGE OF HONG KONG LIMITED, 30 DECEMBER 2015. CST MINING GROUP LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
2007	to	2010	CopperCo Ltd commenced open cut mining at Mount Clarke.
2010			CST Mining Ltd took over mining and exploration operations in 2010
		1956	Lease owned by J J Spreadborough but worked under tribute by M Kucsera and party.

Mining Operations	Comments
PITS	Historical workings
TRENCHES	Historical workings
OPEN CUT MINING	Current mining operation

Tenure Type/Number		SHARE	Company Name/Surname
ML	5447	100.00%	CST MINERALS LADY ANNIE PTY LIMITED
ML	5476	100.00%	CST MINERALS LADY ANNIE PTY LIMITED
ML	90168	100.00%	CST MINERALS LADY ANNIE PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT OXIDE DOMAIN	Paradise Creek Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE	PROTEROZOIC

Comments

The Mount Clarke copper oxide deposit is a subhorizontal blanket up to 80m thick, extending from the surface to a depth of around 80m over a strike length of 450m. The deposit is on a splay fault of the Mount Clarke Fault.
The Mount Clarke oxide resource is a combined figure for Mount Clarke and Mount Clarke Extended and includes proved and probable reserves of 5.749Mt at 0.8% Cu.
CopperCo commenced open cut mining at Mount Clarke in June 2007. Initial grade control tests indicated that ore grades are in line with the ore reserves and block model.
In September 2006, CopperCo announced infill RC drilling results for Mount Clarke Extended, including 27m at 3.05% Cu from 15m (including 2m at 11.8% Cu from 25m), 31m at 1.3% Cu from 35m, 47m at 1.1% Cu from 26m, and 19m at 3.1% Cu from 29m.
Drilling results also included 17m at 1.81% Cu from 25m, 23m at 1.76% Cu from 70m and 21m at 1% Cu from 58m. These high grade intersections may form the focal point for the starter pit at Mount Clarke.
CopperCo went into voluntary administration in November 2008. Cape Lambert Iron Ore Ltd purchased CopperCo's assets in June 2009.
An Initial Public Offering to form a new company to manage the Lady Annie project is planned.
Dec 2011 CST Mining reported new intersects: MTKCD010 with 15m @ 1.09% Cu and 9m @ 2.26% Cu; MTKCD017 with 34.6m @ 5100ppm Co (BR9819). MTKCD040 20m @ 2100ppm Co & 6m @ 0.51% Cu. MTKCD012 with 13m @ 0.52% Cu; 5m @ 0.59% Cu; 6m @ 0.59% Cu
Mining at Lady Annie ceased in January 2016 due to low prices. In June 2016 the name CST Mining was changed to NetMind Financial Holdings Limited.
CST Mining took control of Lady Annie Project in September 2010. (CST is registered in the Hong Kong Exchanges: Code 985). New resources reported. Mining and exploration operations commenced in Nov 2010.

Web Page

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493664 **MOUNT COBALT**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 33 KM NE OF CHATSWORTH HOMESTEAD, 153 KM SE OF MOUNT ISA

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 447564 mE 7596209 mN Latitude -21.7368 Longitude 140.4929 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COBALT	SMALL	10 - 1 000 tonnes CO
COPPER	SMALL	500 - 50 000 tonnes CU
TUNGSTEN	VERY SMALL	<5 tonnes W
URANIUM	VERY SMALL	<100 tonnes U

Production Details

Period: 1-Jan-1919 to 31-Dec-1943 1,500 tonnes HARD ROCK ORE (OR REEF)

COBALT		270.0 tonnes	18.00 percent
COPPER	CONCENTRATE	536.0 tonnes	3.25 percent

Period: 1-Jul-1996 to 30-Jun-1997

COBALT		21.5 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1919	to	1919	Deposit discovered by Mark J. Eves.
1922	to	1929	A crusher and concentrating plant commenced operation. Intense mining occurred from 1921 to 1926. Peak production years were 1923 (983t) and 1924 (1073t). Mining was limited to hand picking and high-grade ore from 1926 due to low rainfall.
1930	to	1932	Fire in the main shaft effectively stopped further mining and the mine and plant were sold in 1932.
1933	to	1934	Very little work was carried out from this periiod.

Mining Operations	Comments
SHAFTS	Main shaft sunk to 69.8m depth.
UNDERGROUND MINING METHODS	Drives at the 65m and 70m levels.
STOPING	
ADITS	
PITS	
TRENCHES	Mainly strike east-west.

Tenure Type/Number		SHARE	Company Name/Surname
ML	2466	100.00%	MOUNT COBALT MINING PTY LTD
ML	2732	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Hampden Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE PROTEROZOIC

Comments

Mount Cobalt was discovered in 1919 & worked by Mount Cobalt Mines Ltd until 1934. Electrometals Mining Ltd erected a small electrowinning plant near the Young Australia mine to process the cobalt tailings from Mount Cobalt. Production commenced in July 1996. In April 1997, the company said that the plant had not achieved the expected returns. The operation was placed on care & maintenance.

Web Page

www.ivanhoe-mines.com

Queensland Minerals

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41615 **MOUNT COOLON**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 2.7KM SE OF MOUNT COOLON, 220KM SSE OF TOWNSVILLE

1:100 000 sheet Number and Name: 8355 MOUNT COOLON

Grid Reference: Zone 55 536786 mE 7632875 mN Latitude -21.4059 Longitude 147.3549 Date Recorded: 10/March/2016

Other Names for Deposit / Mine

Koala
Mount Coolon - Koala
Hectorina Lode
Mount Coolon Lode

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1914	to	31-Dec-1934		163,061 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	3,742.6 kilograms	22.95 grams per tonne
Period:	1-Jan-1924	to	31-Dec-1934			
SILVER					756.3 kilograms	
Period:	1-Jan-1934	to	31-Dec-1939		140,347 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	1,839.1 kilograms	13.10 grams per tonne
Period:	1-Jan-1940	to	31-Dec-1942		1,090 tonnes DUMP	
GOLD				BULLION	17.2 kilograms	15.76 grams per tonne
Period:	1-Jan-1996	to	31-Dec-1996		270,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	1,461.9 kilograms	5.41 grams per tonne
Period:	1-Jul-2004	to	30-Jun-2005			
GOLD				FINE	9.9 kilograms	
SILVER					1.1 kilograms	

Published Reserves/Resources

BR 10456 Published in 2015 **HECTORINA PIT**
INDICATED MINERAL RESOURCE 15,000 tonnes Ore @ 2.60 g/t GOLD **FOR** 38 Kilograms GOLD
Comments/Cut Off Factor: No cutoff grade

BR 10456 Published in 2015 **KOALA UNDERGROUND EXTENSION**
INDICATED MINERAL RESOURCE 205,000 tonnes Ore @ 5.90 g/t GOLD **FOR** 1,209 Kilograms GOLD
Comments/Cut Off Factor: 3.0g/t Au cutoff

BR 10456 Published in 2015 **KOALA UNDERGROUND EXTENSION**
INFERRED MINERAL RESOURCE 62,000 tonnes Ore @ 5.30 g/t GOLD **FOR** 328 Kilograms GOLD
Comments/Cut Off Factor: 3.0g/t Au cutoff

BR 10456 Published in 2015 **TAILINGS**
INDICATED MINERAL RESOURCE 11,000 tonnes Ore @ 1.60 g/t GOLD **FOR** 17 Kilograms GOLD
Comments/Cut Off Factor: No cutoff grade

BR 10456 Published in 2015 **TAILINGS**
INFERRED MINERAL RESOURCE 6,000 tonnes Ore @ 1.50 g/t GOLD **FOR** 9 Kilograms GOLD
Comments/Cut Off Factor: No cutoff grade

BR 10456 Published in 2015 **TAILINGS**
MEASURED MINERAL RESOURCE 305,000 tonnes Ore @ 1.60 g/t GOLD **FOR** 488 Kilograms GOLD
Comments/Cut Off Factor: No cutoff grade

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10456	2015	GBM RESOURCES LIMITED	ASX ANNOUNCEMENT: EIGHT MAJOR GOLD SYSTEMS IDENTIFIED, MOUNT COOLON GOLD PROJECT	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE, 10-DECEMBER 2015, GBM RESOURCES.

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1913	to	1939	Historic mining was carried out along the north-west-striking Mount Coolon Lode.
1913	to	1913	Mount Coolon deposit discovered by Luke Reynolds.
1987	to	1988	Decline excavated by RGC. Terminated due to excessive water and bad ground conditions. Finished 200m short of original target of 895m.
1988	to	1988	Completion of a feasibiltiy study by RGC to exploit the Mount Coolon Lode in an open-pit style mining method. Environmental Impact Assessment and lease application submitted.
1989	to	1989	ACM Gold Ltd acquired RGC Ltd's 51% share in the Mount Coolon Joint Venture with Saracen Minerals NL. ACM reviewed feasibility study for open cut mining.
1991	to	1991	Normandy Poseidon purchased ACM Gold Ltd's 51% interest in the Mount Coolon Joint Venture.
1993	to	1993	Ross Mining NL purchased Normandy Poseidon's 51% share of the Mount Coolon Joint Venture with Saracen Minerals NL.
1995	to	1995	Ross Mining NL purchased the remaining 49% of the Mount Coolon Joint Venture from Saracen Minerals NL.
1996	to	1996	Open cut mining commenced but was abandoned later that year due to pit-wall instability.

Mining Operations	Comments
OPEN CUT MINING	Mined in 1996 by Ross Mining NL. Located at northern end of lode.
UNDERGROUND MINING METHODS	Extensive stoping, with drives, crosscuts, etc.
PITS	
SHAFTS	Down to 90m
DECLINED SHAFTS/DRIVES	Constructed by RGC in 1987-88 but failed to reach target depth.
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15902	100.00%	MT COOLON GOLD MINES PTY LTD
ML	1029	100.00%	MT COOLON GOLD MINES PTY LTD
ML	1085	100.00%	MT COOLON GOLD MINES PTY LTD
ML	1086	100.00%	MT COOLON GOLD MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DRUMMOND BASIN	Mount Coolon Andesite / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL
GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL	

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

Paragenesis of the lode: early epithermal colloform-banded quartz-adularia-sulphide-gold veining was overprinted by silica-biotite-actinolite-epidote-magnetite-pyrite during metamorphism. Late-stage sericite-pyrite alteration then formed.
Two ore types are recognised at Mount Coolon: banded ore is associated with an earlier epithermal event; and the dominant massive ore is associated with a later hydrothermal intrusive-related event.
Ore is hosted by andesitic ignimbrite of the Mount Coolon Andesite.
Drummond Gold has been assessing targets at Koala based on newly acquired IP data and interpretation of historical assessments.
Consultants are carrying out geological studies to determine structural controls on the mineralisation.
The Mount Coolon Lode consists of a single, 0.5 to 8m wide, south-east-trending vein. The Hectorina lode is a small, near-surface deposit immediately south of the mine and would appear to be an extension of the same mineralised structure.
In 2015 GBM Resources entered a binding agreement with Drummond Gold Ltd to acquire 100% interest in Mt Coolon Gold Mines Ltd, including its assets.

Web Page
www.drummondgold.com.au/ www.gbmr.com.au

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502813 **MOUNT CUTHBERT**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 93KM NE OF MOUNT ISA, 90KM NW OF CLONCURRY.

1:100 000 sheet Number and Name: 6858 ALSACE

Grid Reference: Zone 54 386401 mE 7789441 mN Latitude -19.9883 Longitude 139.9142 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Mount Cuthbert Extended

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 31-Dec-1958 61,653 tonnes HARD ROCK ORE (OR REEF)

COPPER	OTHER	4,393.0 tonnes	7.10 percent
GOLD	BULLION	4.9 kilograms	0.08 grams per tonne

Published Reserves/Resources

BR 8922 Published in 2008

MT CUTHBERT EXTENDED

INDICATED MINERAL RESOURCE 64,000 tonnes Ore @ 1.90 % COPPER **FOR** 1,216 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8922	2008	MATRIX METALS LIMITED	ANNUAL REPORT 2008.	MATRIX METALS LIMITED, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1915	to	1917	Mount Cuthbert NL carried out exploration and development. Ore was railed to the Mount Elliott smelters.
1918	to	1918	Mount Cuthbert NL had its own smelter.
1925	to	1944	Mine purchased by Mount Elliott Ltd and subsequently let to tributors.
1996	to	2000	Murchison United NL commissioned plant using ore from open cut mining. Copper extracted using heap leaching and solvent extraction/electrowinning. extraction/electrowinning.
2000	to	2002	Continued operation under the ownership of Matrix Metals who acquired the project on 10 July 2000.
		1905	Prospected and mined on a small scale up until 1905.

Prospected and mined on a small scale up until 1905.

Mining Operations	Comments
SHAFTS	Main vertical shaft was 3 chambered, with levels at 24.4m, 45.7m, 76.2m and 106.7m. Drives extended 41.2m north and 70.1m south.
OPEN CUT MINING	Current mining operation is from a single large open cut.
UNDERGROUND MINING METHODS	
TRENCHES	
STOPING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	2747	100.00%	MALACO LEICHHARDT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KALKADOON-LEICHHARDT DOMAIN	Leichhardt Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	PROTEROZOIC

Comments

The highest ore grades occured at the junction of the main shear and cross shears (ERMS 12124). The Mount Cuthbert open cut was the main source of copper ore for the Mount Cuthbert Copper Mine Project, which is currently owned by Matrix Metals Ltd.
The open cut at Mount Cuthbert was based on an indicated resource of 783,995t of oxide and transition ore at 1.63% Cu, with a 0.70% Cu cut off grade and a 4.6:1 stripping ratio.

Web Page

www.matrixmetals.com.au

Queensland Minerals

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493665 **MOUNT DORE COPPER**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 40 KM NE OF CHATSWORTH HOMESTEAD, 147 KM SE OF MOUNT ISA.

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 447600 mE 7605000 mN Latitude -21.6574 Longitude 140.4936 Date Recorded: 20/January/2016

Other Names for Deposit / Mine

Mount Dore Leachable Copper Zone
Mount Dore

Commodities	Size	Size Definition
COPPER	LARGE	250 000 - 2 000 000 tonnes CU
MOLYBDENUM	LARGE	>200 000 tonnes MO
RHENIUM	MEDIUM	10 - 100 tonnes RHEN
SILVER	MEDIUM	500 - 5 000 tonnes AG
GOLD	MEDIUM	5 - 50 tonnes AU
ZINC	MEDIUM	200 000 - 2 000 000 tonnes ZN
COBALT	MEDIUM	1 000 - 20 000 tonnes CO
LEAD	MEDIUM	100 000 - 2 500 000 tonnes PB

Production Details

Period: 31-Dec-1936 16 tonnes OXIDE ORE

COPPER METAL 6.0 tonnes 37.00 percent

Published Reserves/Resources

BR 10429 Published in 2014 **MOUNT DORE COPPER NORTH**

INDICATED MINERAL RESOURCE 25,100,000 tonnes Ore @

0.47 % ZINC **FOR** 117,970 Tonnes ZINC
0.43 % COPPER **FOR** 107,930 Tonnes COPPER
0.09 % LEAD **FOR** 22,590 Tonnes LEAD
0.10 g/t GOLD **FOR** 2,510 Kilograms GOLD

Comments/Cut Off Factor: 0.25% Cu cutoff
Includes Mount Dore North Upper, Mount Dore North Lower

BR 10429 Published in 2014 **MOUNT DORE COPPER NORTH**

INFERRED MINERAL RESOURCE 32,000,000 tonnes Ore @

0.56 % ZINC **FOR** 179,200 Tonnes ZINC
0.41 % COPPER **FOR** 131,200 Tonnes COPPER
0.11 % LEAD **FOR** 35,200 Tonnes LEAD
0.11 g/t GOLD **FOR** 6,369 Kilograms GOLD

Comments/Cut Off Factor: 0.25% Cu cutoff
Includes Mount Dore North Upper, Mount Dore North Lower

BR 10429 Published in 2014 **MOUNT DORE COPPER SOUTH**

INDICATED MINERAL RESOURCE 43,300,000 tonnes Ore @

0.69 % COPPER **FOR** 298,770 Tonnes COPPER
0.08 % ZINC **FOR** 34,640 Tonnes ZINC
0.01 % LEAD **FOR** 4,330 Tonnes LEAD
0.08 g/t GOLD **FOR** 3,464 Kilograms GOLD

Comments/Cut Off Factor: 0.25% Cu cutoff

BR 10429 Published in 2014 **MOUNT DORE COPPER SOUTH**

INFERRED MINERAL RESOURCE 10,700,000 tonnes Ore @

0.51 % COPPER **FOR** 54,570 Tonnes COPPER
0.17 % ZINC **FOR** 18,190 Tonnes ZINC
0.02 % LEAD **FOR** 2,140 Tonnes LEAD
0.10 g/t GOLD **FOR** 1,070 Kilograms GOLD

Comments/Cut Off Factor: 0.25% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10429	2014	CHINOVA RESOURCES	CHINOVA RESOURCES - MOUNT DORE COPPER DEPOSIT - RESOURCE ESTIMATE AS AT SEPTEMBER 2014	WWW.CHINOVARESOURCES.COM; RELEASED OCTOBER 2014

Major Mining Related Events

Year Commenced	Year Completed	Comments

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Mining Operations	Comments
SHAFTS	Original shaft was at least 10m deep, but now open to 20m depth.
PITS	
OPEN CUT MINING	Open cut with decline shaft dipping to the east at the bottom of the shaft.
TRENCHES	
UNDERGROUND MINING METHODS	Drive south from No 1 shaft.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10783	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD
ML	2691	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Hampden Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

In October 2009, Ivanhoe Australia announced the discovery of a small high-grade Mo-Re resource (Little Wizard) at the southern end of the Merlin deposit. This resource is 60m long by 25m wide by 3.2m thick, beneath 90m of cover.
A large fault/breccia structure contains leachable copper (malachite, chalcocite) at 100 to 200m depth. Drilling has intersected 44m at 1.1% Cu and 0.01g/t Au from 100m, 9m at 1.8% Cu and 0.22g/t Au from 124m, and 14m at 1% Cu and 0.16g/t Au from 24m.
Secondary copper (mainly chalcocite and chrysocolla) is hosted by 40 degrees east-dipping shales and siltstones overlain by granites. The sediments are locally brecciated.
The mineralised zone (0.25% Cu cutoff) is 25-50m thick at the surface and is >100m thick at depth. It has a strike length of 600m and has been defined for at least 400m down-dip.
Secondary copper mineralisation dips to the east and forms a zone that is 150m thick in true thickness. This zone is open to the north, where primary copper sulphide mineralisation occurs, along with increasing amounts of Zn, Ag, Au and Mo.
A significant extension of the sulphide zone was discovered in September 2008. Drill intersections included 152m at 0.55% Cu, 0.1g/t Au and 246ppm Co from 388m and 132m at 0.87% Cu, 0.25g/t Au, 205ppm Co, 15g/t Ag, 0.75% Zn and 0.11% Pb from 280m.
The Merlin mineralisation appears to be associated with a late potassic alteration related to a phase of the the Mount Dore IOCG system.
This resource forms part of the Ivanhoe Australia Ltd's Selwyn Project. Copper mineralisation occurs within brecciated metasediments and schists of the Kuridala Formation and is associated with dilational zones along the Mount Dore Fault zone.
The Merlin mineralisation is hosted by a sheared/fault breccia in black shale and siltstone beneath the main Mount Dore copper ore zone.

Web Page

www.chinova.com

Queensland Minerals

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588514 **MOUNT DORE POLYMETALLIC**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 40 KM NE OF CHATSWORTH HOMESTEAD, 147 KM SE OF MOUNT ISA.

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 447750 mE 7605700 mN Latitude -21.6511 Longitude 140.4950 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Mount Dore Polymetallic Zone
Mount Dore North

Commodities	Size	Size Definition
ZINC	MEDIUM	200 000 - 2 000 000 tonnes ZN
GOLD	SMALL	0.5 - 5 tonnes AU
COPPER	SMALL	500 - 50 000 tonnes CU
LEAD	SMALL	1000 - 100 000 tonnes PB
COBALT	MEDIUM	1 000 - 20 000 tonnes CO
SILVER	SMALL	5 - 500 tonnes AG
MOLYBDENUM	VERY SMALL	<50 tonnes MO

Production Details

Published Reserves/Resources

BR 9484 Published in 2010

MOUNT DORE ZINC ZONE

INFERRED MINERAL RESOURCE 35,600,000 tonnes Ore @

0.78 % ZINC	**FOR**	277,680 Tonnes ZINC
3.50 g/t SILVER	**FOR**	124,600 Kilograms SILVER
0.13 % LEAD	**FOR**	46,280 Tonnes LEAD
0.11 % COPPER	**FOR**	39,160 Tonnes COPPER
0.00 % COBALT	**FOR**	1,708 Tonnes COBALT
0.03 g/t GOLD	**FOR**	1,068 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Zn cutoff

Includes Mount Dore North Upper, Mount Dore North Lower and Mount Dore South.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9484	2010	IVANHOE AUSTRALIA LIMITED	MOLYBDENUM MINERAL RESOURCE GRADE INCREASED 43% IN UPDATE FOR IVANHOE AUSTRALIA'S MERLIN DEPOSIT. MERLIN'S RHENIUM MINERAL RESOURCE GRADE INCREASED 49%. MOUNT DORE DEPOSIT CONTAINED COPPER INCREASED 14% IN UPDATED MINERAL RESOURCE.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 4 AUGUST 2010. IVANHOE AUSTRALIA LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10783	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD
ML	2691	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Mount Dore Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

The Mount Dore Polymetallic Mineral Resource, which encapsulates the deeper sulphide mineralisation in the system, remains open at depth and to the north east and has been 'incidentally' defined during drilling of Merlin (BR9388).
The occurrence of significant Cu in some Mo zones and Zn in many Cu zones (in Mount Dore North) indicate polymetallic zomning. For modelling the primary economic minerals Mo and Cu used to drive principal domaining. Outside this the potential for Zn (cont.) and other potentially economic elements such as Pb, Ag, Au, Co and low grade Mo-Rhen have been used to define an outer polymetallic domain suitable to constrain these estimates without trying to over domain the resource by considering each (cont.2) seperately. The recovery of Zn and Pb is currently uncertain and is not considered a material aspect of the current resource estimate (2010: Golder Associates BR9562).

Web Page

www.chinova.com

Queensland Minerals

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503308 **MOUNT DROMEDARY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 23.7KM N OF COOLULLAH HOMESTEAD.

1:100 000 sheet Number and Name: 6958 COOLULLAH

Grid Reference: Zone 54 417792 mE 7830597 mN Latitude -19.6180 Longitude 140.2160 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GRAPHITE		
COPPER	VERY SMALL	<500 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 10469 Published in 2016 **HIGH GRADE (PRIMARY)**

INFERRED MINERAL RESOURCE 4,000,000 tonnes Ore @ 19.00 % GRAPHITE **FOR** 760,000 Tonnes GRAPHITE

Comments/Cut Off Factor: High grade (>10% TGC) cutoff 4% total graphitic carbon

BR 10469 Published in 2016 **HIGH GRADE (WEATH)**

INFERRED MINERAL RESOURCE 800,000 tonnes Ore @ 17.70 % GRAPHITE **FOR** 141,600 Tonnes GRAPHITE

Comments/Cut Off Factor: High grade (>10% TGC) cutoff 4% total graphitic carbon

BR 10469 Published in 2016 **MEDIUM GRADE (PRIMARY)**

INFERRED MINERAL RESOURCE 3,600,000 tonnes Ore @ 5.50 % GRAPHITE **FOR** 198,000 Tonnes GRAPHITE

Comments/Cut Off Factor: Medium grade (4 to 10% TGC) cutoff 4% total graphitic carbon

BR 10469 Published in 2016 **MEDIUM GRADE (WEATH)**

INFERRED MINERAL RESOURCE 700,000 tonnes Ore @ 5.10 % GRAPHITE **FOR** 35,700 Tonnes GRAPHITE

Comments/Cut Off Factor: Medium grade (4 to 10% TGC) cutoff 4% total graphitic carbon

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10469	2016	GRAPHITECORP	ASX ANNOUNCEMENT: ANNUAL REPORT 2016	ASX ANNOUNCEMENT BY GRAPHITECORP, 30 AUGUST 2016

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE PROTEROZOIC

Comments

Web Page

http://www.graphitecorp.com.au/

Queensland Minerals

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494085 **MOUNT ELLIOTT**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 16 KM NORTH OF SELWYN MINE, 138KM SE OF MT ISA.

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 448340 mE 7618056 mN Latitude -21.5395 Longitude 140.5011 Date Recorded: 8/March/2016

Other Names for Deposit / Mine

Corbould
Mount Elliott Deeps
Swell

Commodities	Size	Size Definition
COPPER	LARGE	250 000 - 2 000 000 tonnes CU
GOLD	MEDIUM	5 - 50 tonnes AU
MAGNETITE	VERY SMALL	<50 000 tonnes MT

Production Details

Period:	1-Jan-1907	to	31-Dec-1920	268,000 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	24,862.0 tonnes	
GOLD			BULLION	1,057.0 kilograms	
Period:	1-Jan-1993	to	31-Dec-1999	2,770,000 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	95,842.0 tonnes	3.46 percent
GOLD			BULLION	4,764.0 kilograms	1.72 grams per tonne
Period:	1-Jul-1999	to	30-Jun-2000		
COPPER			METAL	6,810.4 tonnes	
GOLD			BULLION	124.3 kilograms	
Period:	1-Jul-2000	to	30-Jun-2001	640,847 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	17,379.0 tonnes	
GOLD			BULLION	745.0 kilograms	

Published Reserves/Resources

BR 9987 Published in 2012 **MOUNT ELLIOTT OC**

INDICATED MINERAL RESOURCE 14,600,000 tonnes Ore @
1.24 % COPPER **FOR** 181,040 Tonnes COPPER
0.63 g/t GOLD **FOR** 9,198 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu equivalent.

BR 9987 Published in 2012 **MOUNT ELLIOTT OC**

INFERRED MINERAL RESOURCE 7,000,000 tonnes Ore @
0.60 % COPPER **FOR** 42,000 Tonnes COPPER
0.30 g/t GOLD **FOR** 2,100 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu equivalent.

BR 9987 Published in 2012 **OTHER AREAS PRIMARY**

INDICATED MINERAL RESOURCE 900,000 tonnes Ore @
0.42 % COPPER **FOR** 3,780 Tonnes COPPER
0.21 g/t GOLD **FOR** 189 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu equivalent.
Probably "Swell" and "Corbould" prospects - not quoted in ref

BR 9987 Published in 2012 **OTHER AREAS PRIMARY**

INFERRED MINERAL RESOURCE 55,000,000 tonnes Ore @
0.38 % COPPER **FOR** 209,000 Tonnes COPPER
0.17 g/t GOLD **FOR** 9,350 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu equivalent.
Probably "Swell" and "Corbould" prospects - not quoted in ref

BR 9987 Published in 2012 **OTHER AREAS TRANSITION**

INDICATED MINERAL RESOURCE 19,200,000 tonnes Ore @
0.34 % COPPER **FOR** 65,280 Tonnes COPPER
0.22 g/t GOLD **FOR** 4,224 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu equivalent.
Probably "Swell" and "Corbould" prospects - not quoted in ref

BR 9987 Published in 2012 **OTHER AREAS TRANSITION**

INFERRED MINERAL RESOURCE 35,900,000 tonnes Ore @
0.33 % COPPER **FOR** 118,470 Tonnes COPPER
0.19 g/t GOLD **FOR** 6,821 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu equivalent.
Probably "Swell" and "Corbould" prospects - not quoted in ref

Resource figures listed above are JORC compliant.

Queensland Minerals

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Published Reference ID	Year	Author	Title	Source
BR 9987	2012	AMC MINING CONSULTANTS (CANADA) LTD	PRELIMINARY ECONOMIC ASSESSMENT OF THE MT ELLIOTT PROJECT QUEENSLAND, AUSTRALIA	HTTP://WWW.IVANHOEAUSTRALIA.COM/S/TECHNICALREPORTS.ASP, 16 MAY 2012. IVANHOE AUSTRALIA LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1899	to	1899	Discovery
1906	to	1920	First period of mining by Mount Elliott Ltd. A smelter operated at these site between 1908 and 1919.
1956	to	1957	Joint mapping exercise by Qld Geological Survey and Bureau of Mineral Resources identified significant copper grades associated with the Selwyn ironstones.
1975	to	1975	Significant mineralisation discovered near old mine site by Cyprus Minerals. Corbould zone discovered in 1995.
1993	to	2002	Decline development by Australian Resources Ltd. First ore mined 1994. Australian Resources went into recievership in March 1999. Assets purchased by Selwyn Mines who recommenced underground mining in March 2000.

Mining Operations	Comments
DECLINED SHAFTS/DRIVES	
UNDERGROUND MINING METHODS	
STOPING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	2454	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD
ML	2736	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Hampden Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Drillhole MEQ-03-1049 intersected 109m at 1.14% Cu and 0.38g/t Au from 93m in the Swell Zone. The Swell Zone is a relatively planar, north-west-striking zone that dips steeply north-east, subparallel to and immediately south-west of the Mount Elliot Zone.

Web Page

www.ivanhoe-mines.com

Queensland Minerals

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477981 **MOUNT ETNA**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: MT ETNA QUARRY - 400M WNW OF MT ETNA PEAK, 105KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8951 RIDGELANDS

Grid Reference: Zone 56 238881 mE 7436846 mN Latitude -23.1566 Longitude 150.4497 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	LARGE	>10 000 000 tonnes LST

Production Details

Period: 1-Jul-1997 to 30-Jun-2004

LIMESTONE	CRUSHED ROCK	729,369.8 tonnes

Published Reserves/Resources

BR 5920 Published in 1998

THE CAVES AREA

INFERRED MINERAL RESOURCE

70,000,000 Tonnes LIMESTONE

Comments/Cut Off Factor: Estimation only

Estimation only.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5920	1998	LOUTHEAN PUBLISHING PTY LTD AND MINMET AUSTRALIA PTY LTD	THE AUSTRALIAN MINES HANDBOOK 1998/99 EDITION.	

Major Mining Related Events

Year Commenced		Year Completed	Comments
1966	to	1974	Operations commenced on the eastern leases in 1966.
1975	to	2004	Mining operations were relocated to the north-western area of the mining leases in 1975. Mining ceased in 2004.

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ROCKHAMPTON SUBPROVINCE	Mount Alma Formation / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	EARLY CARBONIFEROUS	Limestone.

Comments

Limestone from Mount Etna, grading up to 55% calcium carbonate, was used for the manufacture of cement and slaked lime. The limestone outcrop on Mount Etna is about 900m long, 350m wide and reached a height of 150m above the surrounding country.

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43553 **MOUNT FREDA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 133KM E OF MT ISA, 38.7KM SE OF CLONCURRY

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 472760 mE 7680194 mN Latitude -20.9786 Longitude 140.7379 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Saracenesca
Saracinesca

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
COBALT	SMALL	10 - 1 000 tonnes CO
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period:	1-Jan-1880	to	31-Dec-1945		720 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	5.6 kilograms	7.80 grams per tonne
Period:	1-Jan-1975	to	31-Dec-1987		10,500 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	73.5 kilograms	7.00 grams per tonne
Period:	1-Jan-1987	to	31-Dec-1989		140,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	238.0 kilograms	1.70 grams per tonne

Published Reserves/Resources

BR 10576 Published in 2016

MOUNT FREDA

INDICATED MINERAL RESOURCE 1,600,000 tonnes Ore @

1.70 g/t GOLD **FOR** 2,720 Kilograms GOLD

0.03 % COBALT **FOR** 464 Tonnes COBALT

Comments/Cut Off Factor: 0.5 g/t Au cutoff.

Cobalt grade retained from 2011 resource calculations (BR9629).

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10576	2016	QUEENSLAND MINING CORPORATION LIMITED	ANNUAL REPORT 2016	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 21 OCTOBER 2016. QUEENSLAND MINING CORPORATION LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1880	to	1945	MIned from 1880 to 1890 as the Saracenesca. Prospecting in 1930s and 1940s.
1975	to	1987	Small high-grade near surface ore shoots mined by prospectors.
1987	to	1989	Diversified Mineral Resources NL mined by open cut and treated ore in a CIP plant.

Mining Operations	Comments
OPEN CUT MINING	Open cut now half filled with water.
TRENCHES	Trenching done across lode.
STOPING	
UNDERGROUND MINING METHODS	
SHAFTS	Original workings consisted of 5 shafts and small open cuts. Shafts ranged from 4.6 to 40m depth.

Tenure Type/Number		SHARE	Company Name/Surname
ML	2741	100.00%	SPINIFEX MINES PTY LTD
ML	2752	100.00%	SPINIFEX MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Toole Creek Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

The east-west trending reef was richest were it was truncated by a low angle reverse cross fault. The cross fault occurs along a banded carbonate rock representing a line of weakness in the amphibolite.

In 1997/98, Amalg Resources NL drilled 5 RC/core holes beneath the open cut under an option agreement with Spinifex Mines Pty Ltd. Intersections included 2.45m at 7.01g/t Au from 158.95m, 3.5m at 11.69g/t Au from 156.2m and 2.5m at 1.7g/t Au from 176.8m. Amalg decided not to exercise the option.

Queensland Mining Corporation Limited is carryng out an economic evaluation of the Mount Freda oxide resource with a view to recommencement of mining and establishment of a heap leaching operation.

In December 2009, QMC announced that high-grade gold (2m at 11.15g/t Au from 164.65m(had been encountered in drilling. Other intercepts included 2.3m at 4.29g/t Au from 202m, 1.86m at 7.77g/t Au from 75.77m and 3.48m at 3.43g/t Au from 210.12m.

A number of gold-bearing parallel shears were intersected at up to 270m beneath the surface. Mineralisation is characterised by quartz veining, brecciation and pyrite.

Web Page

www.queenslandminingcorporation.com.au

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43554 **MOUNT FROSTY**

ABANDONED MINE

Descriptive Location: 45.3KM E OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 387881 mE 7701613 mN Latitude -20.7819 Longitude 139.9228 Date Recorded: 7/November/2006

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period: 1-Jan-1961 to 31-Dec-1967

LIMESTONE CRUSHED ROCK 164,948.0 tonnes

Period: 1-Jul-1966 to 30-Jun-1967 2,167 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 155.7 tonnes 7.19 percent

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1961	to	1966	Mined by Waltons brothers
1966	to	1967	Mined by Koolamara Mining Company

Mining Operations	Comments
OPEN CUT MINING	Oriented north-south.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14467	49.00%	MOUNT ISA MINES LIMITED
EPM	14467	51.00%	CHINALCO YUNNAN COPPER RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	do/3-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	VEIN CALCITE +/- CU

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Limestone flux from this mine was sold to Mount Isa Mines Ltd.

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44313 **MOUNT GUNYAN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 12.2 KM ENE OF TEXAS.

1:100 000 sheet Number and Name: 9140 TEXAS

Grid Reference: Zone 56 333205 mE 6809576 mN Latitude -28.8306 Longitude 151.2904 Date Recorded: 16/February/2017

Other Names for Deposit / Mine

Mt Gunyan

Beau Creek

Commodities	Size	Size Definition
SILVER	SMALL	5 - 500 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU
ZINC	VERY SMALL	<200 tonnes ZN
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Published Reserves/Resources

BR 10272 Published in 2013 **MOUNT GUNYAN**

INDICATED MINERAL RESOURCE 2,884,000 tonnes Ore @ 55.00 g/t SILVER **FOR** 158,620 Kilograms SILVER

Comments/Cut Off Factor: 30g/t Ag

BR 10272 Published in 2013 **MOUNT GUNYAN**

INFERRED MINERAL RESOURCE 302,000 tonnes Ore @ 48.00 g/t SILVER **FOR** 14,496 Kilograms SILVER

Comments/Cut Off Factor: 30g/t Ag

BR 10272 Published in 2013 **MOUNT GUNYAN**

MEASURED MINERAL RESOURCE 754,000 tonnes Ore @ 56.00 g/t SILVER **FOR** 42,224 Kilograms SILVER

Comments/Cut Off Factor: 30g/t Ag

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10272	2013	ALCYONE RESOURCES LIMITED	SEPTEMBER 2013 QUARTERLY REPORT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 31 OCTOBER 2013. ALCYONE RESOURCES LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
EPM 8854	100.00%	TEXAS SILVER MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Silver Spur beds / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Extensive primary silicification, pyritisation and stringer Pb-Zn veinlets are present in a sequence of sandstone, siltstone, mudstone and tuff. At the surface, the zones of silicification comprise areas with abundant micro and macro quartz veining.

Drilling in 2007 intersected 10m at 110g/t Ag, 0.14% Pb and 0.11% Zn from 42m (including 1m at 524g/t Ag and 0.47% Pb), 4m at 85g/t Ag and 0.21% Pb from 12m and 4m at 70g/t Ag and 0.14% Pb from 22m.

Infill and extension drilling are being carried out by Macmin Silver Ltd to ascertain whether sufficient resources are present to justify application for a mining lease and mine development.

Drill resuts from the March 2008 quarter included 10m at 133g/t Ag from 30m (including 2m at 427g/t Ag from 30m).

June 2008 quarter drilling results included 6m at 103g/t Ag and 0.12% Zn from 70m (including 2m at 235g/t Ag) and 20.35m at 102g/t Ag from 6.25m (including 2m at 541g/t Ag and 0.28g/t Au).

Results from four infill holes announced in January 2008 included 2m at 106g/t Ag and 0.16% Pb from 16m, 1m at 116g/t Ag and 3.16g/t Au from 95m and 6m at 60g/t Ag, 0.1g/t Au, 0.14% Pb and 0.11% Zn from 40m.

In November 2009 Alcyone Resources took over operations and placed over 85% of the resource into Measured and Indicated categories. Production is planned to commence at the end of 2010.

In May 2011 Alcyone updated Mt Gunyan resource estimate to 2.3Mt @ 69g/t Ag and 0.08g/t Au. Alcyone has commenced work on updating mine scoping studies for Mt Gunyan, making using of increased silver price to date. Mt Gunyan to contribute to Twin Hills (May 2011, cont.) mining operations. Company aim is to establish Mt Gunyan as a source of additional feedstock for Twin Hills processing plant and further extend the operating life of the Twin Hills Silver Leach facility (BR9695).

In October 2010 Alcyone Resources reported drilling intersections confirming expanded resource estimate: ACMTGD010 1m @ 230g/t Ag (at 46m) and 2m @ 94g/t Au (at 52m); ACMTGD014 4m @ 58g/t Ag (at 76m), 1m @ 93g/t Ag (at 82m),
(Oct 2010 cont.) 1m @ 93g/t Ag, 0.9% Pb, 3% Zn and 6.67g/t Au (at 128m); 1m @ 92g/t Ag (at 131m) and 1.6m @ 74g/t Ag (at 133.4m) (BR9541).

In September 2010 Alcyone resources reported initial significant drilling results: ACMTGD001 4m @ 93.5g/t Ag (at 16m) and 1m @ 187g/t Ag and 0.45g/t Au (at 85m) and ACMTGD002 6m @ 45.4g/t Ag (at 7m) (BR9542).

In 2013 Alcyone stated that the triangular area between Twin Hills, Mt Gunyan and Silver Spur is the primary exploration target for heap leach silver ore, incl northern extensions from Mt Gunyan in features sub-parallel to the shear zone at Twin Hills.

Web Page

http://www.alcyone.com.au

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480766 **MOUNT HOGAN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 16.5 KM ENE OF GILBERTON.

1:100 000 sheet Number and Name: 7659 GILBERTON

Grid Reference: Zone 54 794767 mE 7876801 mN Latitude -19.1807 Longitude 143.8028 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Easy Got

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
MOLYBDENUM	VERY SMALL	<50 tonnes MO
LEAD	VERY SMALL	<1000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN
URANIUM	VERY SMALL	<100 tonnes U
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period: 1-Jan-1885 to 31-Dec-1903

GOLD BULLION 11.6 kilograms

Period: 1-Jan-1992 to 31-Dec-1994 311,329 tonnes HARD ROCK ORE (OR REEF)

GOLD FINE 1,743.9 kilograms

SILVER 2,141.6 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1885	to	1903	Historical workings
1992	to	1994	Eltin Mines - underground mining ceased in October 1994 when reserves were exhausted.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Mount Hogan Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)	VEIN
DETAILED OREBODY MODEL	PORPHYRY INTRUSION-RELATED QUARTZ VEINS & STOCKWORKS	

Mineralisation Age

ORE	SILURIAN	420Ma (Morrison & Beams, 1995).

Comments

The Mount Hogan orebody comprised a series of sinusoidal quartz-sulphide veins, overlapping or stepped between two bounding faults.
The veins occur within sericite-chlorite altered Mount Hogan Granite.
Mount Hogan was mined by Eltin Mines in the early 1990s.

Web Page

http://www.newcrest.com.au

Queensland Minerals

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43751 **MOUNT HOLMES**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 10.1 KM S OF MOUNT CARBINE, 70KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7964 RUMULA

Grid Reference: Zone 55 301014 mE 8161470 mN Latitude -16.6207 Longitude 145.1346 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

True Blue

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
TUNGSTEN	MEDIUM	500 - 10 000 tonnes W

Production Details

Period: 1-Jan-1897 to 31-Dec-1985

CASSITERITE 180.0 tonnes

Published Reserves/Resources

Company Report 22194 Published in 1990 **MOUNT HOLMES**

INFERRED MINERAL RESOURCE 10,000,000 tonnes Ore @

0.07 % CASSITERITE **FOR** 7,000 Tonnes CASSITERITE

0.01 % TUNGSTIC OXIDE **FOR** 1,000 Tonnes TUNGSTIC OXIDE

Resources calculated using existing data, no new sampling taken.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1894	to	1894	Discovery of alluvial tin.
1897	to	1912	25 t Cassiterite produced.
1912	to	1912	Main adit driven.
1912	to	1931	Estimated 20-25t of Cassiterite produced.
1953	to	1953	Worked by Spurrier, Campbell & Taylor.
1961	to	1961	Worked by Spurrier, Campbell & Taylor.
1965	to	1965	Main adit cleaned out by Loloma Mining Corp.
1973	to	1973	Worked by Spurrier, Campbell & Taylor.
1983	to	1985	

Mining Operations	Comments
PITS	
SHAFTS	
TRENCHES	
ADITS	
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14871	100.00%	CARBINE TUNGSTEN LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation/m / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	GREISEN

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

This deposit comprises swarms of quartz-feldspar and pegmatite veinlets containing coarse-grained cassiterite and wolframite. The veins are similar to those at Mount Carbine.

Web Page

www.kangaroometals.com.au

Queensland Minerals

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43555 **MOUNT HOPE**

ABANDONED MINE

Descriptive Location: 59KM SE OF MT ISA; 21KM NNW OF DUCHESS

1:100 000 sheet Number and Name: 6855 DUCHESS

Grid Reference: Zone 54 376726 mE 7658378 mN Latitude -21.1717 Longitude 139.8126 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Mount Hope West

Regina

Commodities	Size	Size Definition
SILICA	SMALL	1 000 - 1 000 000 t SIO
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jan-1906	to	31-Dec-1958	1,395	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	105.1 tonnes	
GOLD			BULLION	0.1 kilograms	
Period:	1-Jan-1963	to	31-Dec-1972	4,506	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	485.5 tonnes	
LUMP SILICA				309,175.0 tonnes	
Period:	1-Jan-1967	to	31-Dec-1967	105	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	4.4 tonnes	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1906	to	1960	Worked spasmodically on a small scale
1967	to	1973	Mined for cupriferous silica flux on a substantial scale to supply Mount Isa smelters; closed when vertical walls of pit was considered unsafe.

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	destroyed by opencut

Tenure Type/Number		SHARE	Company Name/Surname
ML	5421	100.00%	INTEGRATED GLOBAL RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Magna Lynn Metabasalt / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	Bushy Park Gneiss / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL	
DETAILED OREBODY MODEL	ROCK SILICA	
DETAILED OREBODY MODEL	CU +/- AG QUARTZ VEINS	

Mineralisation Age

ORE	PROTEROZOIC

Comments

Worked historically for cupriferous silica flux.

Web Page

Queensland Minerals

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491216 **MOUNT JENNIFER**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 2.5KM SW OF LAWN HILL, 230KM NORTH OF MT ISA.

1:100 000 sheet Number and Name: 6660 LAWN HILL

Grid Reference: Zone 54 246721 mE 7942165 mN Latitude -18.5961 Longitude 138.5999 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

Company Report 15312 Published in 1986 **MOUNT JENNIFER**

INFERRED MINERAL RESOURCE 20,700,000 tonnes Ore @ 15.30 % PHOSPHATE **FOR** 3,167,100 Tonnes PHOSPHATE

At an average grade of 15.3% P_2O_5, 4.2% Al_2O_3, 8.7% Fe_2O_3, 0.8% CO_2.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Exploration/resource testing shaft.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10544	100.00%	MMG AUSTRALIA LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Border Waterhole Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	MIDDLE CAMBRIAN

Comments

Web Page

www.mmg.com

43485 MOUNT KELLY FAULT

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: PROSPECT AREA IS 0.5KM NORTHWEST OF THE MT KELLY WORKINGS, & ~300M SOUTHWEST OF THE MT CLARKE W

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 305270 mE 7799365 mN Latitude -19.8922 Longitude 139.1400 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Spinifex Fault
Spinifex Queen
Mk475

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 8017 Published in 2006

MOUNT KELLY FAULT

INFERRED MINERAL RESOURCE 160,000 tonnes Ore @

2.80 % COPPER **FOR** 4,480 Tonnes COPPER

3.00 g/t GOLD **FOR** 480 Kilograms GOLD

Comments/Cut Off Factor: 3% Cu equivalent

Within inferred 450,000t at 1.3g/t Au and 2.0% Cu at 1% Cu equivalent cutoff.

BR 8017 Published in 2006

SPINIFEX FAULT

INFERRED MINERAL RESOURCE 10,000 tonnes Ore @

3.30 % COPPER **FOR** 330 Tonnes COPPER

0.10 g/t GOLD **FOR** 1 Kilograms GOLD

Comments/Cut Off Factor: 3% Cu equivalent

Within inferred 180,000t at 1.8% Cu at 1% Cu equivalent cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8017	2006	COPPERCO LTD	ANNUAL REPORT 06.	COPPERCO LTD, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	5447	100.00%	CST MINERALS LADY ANNIE PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT OXIDE DOMAIN	Paradise Creek Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE	PALAEOPROTEROZOIC to MESOPROTEROZOIC

Comments

The Mount Kelly fault, immediately west of the Mount Clarke oxide copper deposit, has a small resource located on it called the Mount Kelly Fault sulphide deposit. This resource lies inside the Spinifex Queen mining lease.

Web Page

www.copperco.com.au

485918 **MOUNT KROOMBIT**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 11 KM SE OF KROOMBIT DAM

1:100 000 sheet Number and Name: 9049 BILOELA

Grid Reference: Zone 56 282446 mE 7290446 mN Latitude -24.4844 Longitude 150.8533 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Kroombit Freehold

Mount Kroombit Prospect

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

BR 9174 Published in 2009

KROOMBIT OXIDE ZINC

INDICATED MINERAL RESOURCE 756,000 tonnes Ore @

2.08 % ZINC **FOR** 15,724 Tonnes ZINC

0.16 % COPPER **FOR** 1,209 Tonnes COPPER

Comments/Cut Off Factor: 1% Zn

BR 9174 Published in 2009

KROOMBIT OXIDE ZINC

INFERRED MINERAL RESOURCE 70,000 tonnes Ore @

1.87 % ZINC **FOR** 1,309 Tonnes ZINC

0.08 % COPPER **FOR** 56 Tonnes COPPER

Comments/Cut Off Factor: 1% Zn

BR 9174 Published in 2009

KROOMBIT SULPHIDE COPPER

INDICATED MINERAL RESOURCE 729,000 tonnes Ore @

1.06 % COPPER **FOR** 7,727 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu

Reserve figures confirmed in 31-March 2010 Quarterly Report

BR 9174 Published in 2009

KROOMBIT SULPHIDE COPPER

INFERRED MINERAL RESOURCE 128,000 tonnes Ore @

0.91 % COPPER **FOR** 1,164 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu

BR 9174 Published in 2009

KROOMBIT SULPHIDE ZINC

INDICATED MINERAL RESOURCE 3,578,000 tonnes Ore @

1.84 % ZINC **FOR** 65,835 Tonnes ZINC

0.16 % COPPER **FOR** 5,724 Tonnes COPPER

Comments/Cut Off Factor: 1% Zn

BR 9174 Published in 2009

KROOMBIT SULPHIDE ZINC

INFERRED MINERAL RESOURCE 72,000 tonnes Ore @

1.75 % ZINC **FOR** 1,260 Tonnes ZINC

0.18 % COPPER **FOR** 129 Tonnes COPPER

Comments/Cut Off Factor: 1% Zn

BR 9174 Published in 2009

KROOMBIT TRANSITION ZINC

INDICATED MINERAL RESOURCE 653,000 tonnes Ore @

1.87 % ZINC **FOR** 12,211 Tonnes ZINC

0.12 % COPPER **FOR** 783 Tonnes COPPER

Comments/Cut Off Factor: 1% Zn

BR 9174 Published in 2009

KROOMBIT TRANSITION ZINC

INFERRED MINERAL RESOURCE 30,000 tonnes Ore @

1.70 % ZINC **FOR** 510 Tonnes ZINC

0.10 % COPPER **FOR** 30 Tonnes COPPER

Comments/Cut Off Factor: 1% Zn

Resource figures listed above are JORC compliant.

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Published Reference ID	Year	Author	Title	Source
BR 9174	2009	ARGONAUT RESOURCES NL	MAIDEN RESOURCE ESTIMATE ANNOUNCED FOR QUEENSLAND ZINC-COPPER PROJECT.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 11 JUNE 2009. ARGONAUT RESOURCES NL, SYDNEY.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1869	to	1873	ADITS DRIVEN
1898	to	1907	SPORADIC MINING - DEEPER SHAFTS WERE SUNK.

Mining Operations	Comments
ADITS	AT CREEK LEVEL IN ANDESITE (DRIVEN IN AT 140 DEGREES IN LIMESTONE).
SHAFTS	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15705	100.00%	KELARAY PTY LIMITED
ML	5631	100.00%	KELARAY PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KROOMBIT SUBPROVINCE	Marble Waterhole beds / MIDDLE DEVONIAN to MIDDLE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	SKARN
DETAILED OREBODY MODEL	BASE METAL SKARN

Mineralisation Age

ORE	PALAEOZOIC	1.5M WIDE QZ/HEM

Comments

Argonaut Resources NL holds this prospect through its subsidiary Kelaray Pty Ltd. A reverse circulation drilling program was commenced in August 2007 (BR8479).
Visible sphalerite and chalcopyrite were found associated with a quartz-hematite+/-magnetite rock and altered, recrystallised volcaniclastic mudstone. The deposit is interpreted as a distal skarn associated with bedded limestones.
Drill intersections have included 9m at 7.1% Zn from 33m, 19m at 4.26% Zn from 46m, 31m at 5.27% Zn from 33m, 14m at 6.25% Zn from 0m, 6m at 1.23% Cu from 32m, 6m at 1.48% Cu from 18m, 24m at 0.95% Cu from 67m, and 3m at 2.54% Cu from 89m.
In March 2008, Argonaut announced that bench scale flotation tests had indicated that conventional flotation cells will be able to produce Zn concentrates of ~35% Zn and Cu concentrates of ~33% Cu.
A resource drilling program commenced in the June 2008 quarter. results have included 34m at 2.0% Cu from 88m, 21m at 3.2% Cu from 78m, 11m at 2.49% Cu from 76m and 46m at 3.19% Zn from 22m.
Drilling results announced in October 2008 included 19m at 2.45% Cu from 88m (including 11m at 3.95% Cu from 95m) and 32m at 1.39% Cu from 49m (including 12m at 2.03% Cu from 49m).
Argonaut Resources announced inferred and indicated resources of 98,800t Zn and 16,800t Cu in June 2009. Results from zinc sulphide flotation tests have been highly encouraging, producing a Zn concentrate grading 58% Zn, with an 87% recovery rate (BR9174)
In March 2010 Argonaut commenced a scoping study into commercial and technical aspects of a mining operation at Kroombit (open cut mining). (BR9745). This study confirms development potential (BR9746).
Drilling results announced in November 2008 included 27m at 3.01% Cu from 89m (including 14m at 4.74% Cu from 90m), 16m at 3.92% Cu from 79m, 10m at 5.18% Zn from 5m and 30m at 3.39% Zn from 0m (BR8932).

Web Page

www.argonautresources.com

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43539 **MOUNT LES**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 113 KM NORTH-WEST OF CENTURY MINE, 3.5KM EAST OF BORDER WITH NORTHERN TERRITORY, 320KM NNW OF M

1:100 000 sheet Number and Name: 6562 HEDLEYS CREEK

Grid Reference: Zone 54 185612 mE 8022435 mN Latitude -17.8633 Longitude 138.0336 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LEAD	SMALL	1000 - 100 000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN
COPPER	VERY SMALL	<500 tonnes CU
URANIUM	VERY SMALL	<100 tonnes U

Production Details

Published Reserves/Resources

BR 5190 Published in 1975

INFERRED MINERAL RESOURCE 1,500,000 tonnes Ore @ 0.10 % LEAD **FOR** 1,500 Tonnes LEAD

Combined Pb and Zn

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5190	1975	ROSSITER, A.G.	An orientation geochemical survey in the Westmoreland area, northern Australia	Bureau of Mineral Resources, Geology and Geophysics, Australia, Record 1975/172.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Mount Les Siltstone / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
CAMOOWEAL-MURPHY DOMAIN	Walford Dolomite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (SEDEX ZN-PB, SHALE-HOSTED ZN-PB)

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

Web Page

www.mmg.com

Queensland Minerals

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493668 **MOUNT LEVIATHAN**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 3.6KM WSW OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 445559 mE 7708684 mN Latitude -20.7205 Longitude 140.4771 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Black Mountain

Commodities	Size	Size Definition
IRON	SMALL	5 000 - 5 000 000 tonnes FE
MAGNETITE	SMALL	50 000 - 500 000 tonnes MT

Production Details

Published Reserves/Resources

BR 6613 Published in 1920

INFERRED MINERAL RESOURCE 2,000,000 tonnes Ore @ 57.00 % IRON **FOR** 1,140,000 Tonnes IRON

Comments/Cut Off Factor: Includes scree. Estimated from size of deposit above surrounding country.

Includes scree. Estimated from size of deposit above surrounding country.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6613	1920	DUNSTAN, B.	Cloncurry iron ores. Mount Leviathan and Mount Philp.	Queensland Government Mining Journal, 21, 225-226.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8588	51.00%	MOUNT ISA MINES LIMITED
EPM	8588	49.00%	SOVEREIGN METALS LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MITAKOODI DOMAIN	Mitakoodi Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Only a small portion of the deposit is pure hematite. Most contains a high percentage of silica. Three samples assayed 56.5 to 62.0% Fe and 8.9 to 17.5% silica.

Web Page

http://www.sovereignmetals.com.au

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38940 **MOUNT LEYSHON**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 23.8KM SOUTH OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 423965 mE 7756170 mN Latitude -20.2907 Longitude 146.2718 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Mount Leyshon Block
Mt Leyshon No 4
Mt Leyshon No 3
Mt Leyshon No 2
Hoiles Pc

Commodities	Size	Size Definition
GOLD	LARGE	50 - 150 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Period:	1-Jan-1986	to	31-Dec-1991		15,400,000 tonnes HARD ROCK ORE (OR REEF)	
SILVER					19,300.0 kilograms	
GOLD				FINE	24,793.0 kilograms	
Period:	1-Jan-1991	to	31-Dec-1991		4,032,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				FINE	6,115.2 kilograms	
SILVER					5,100.0 kilograms	
Period:	1-Jan-1992	to	31-Dec-1992		4,626,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				FINE	6,719.1 kilograms	
SILVER					5,600.0 kilograms	
Period:	1-Jan-1993	to	31-Dec-1993		4,683,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				FINE	6,823.5 kilograms	
SILVER					5,900.0 kilograms	
Period:	1-Jan-1994	to	31-Dec-1994		5,644,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				FINE	7,263.3 kilograms	
SILVER					6,800.0 kilograms	
Period:	1-Jan-1995	to	31-Dec-1995		5,915,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				FINE	7,376.2 kilograms	
SILVER					6,900.0 kilograms	
Period:	1-Jan-1996	to	31-Dec-1996		5,070,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				FINE	5,971.7 kilograms	
SILVER					5,600.0 kilograms	
Period:	1-Jan-1997	to	31-Dec-1997		5,492,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				FINE	7,043.8 kilograms	
SILVER					6,600.0 kilograms	
Period:	1-Jan-1998	to	31-Dec-1998		5,475,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				FINE	7,620.2 kilograms	
SILVER					7,100.0 kilograms	
Period:	1-Jul-1998	to	30-Jun-1999		5,421,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	9,784.2 kilograms	2.00 grams per tonne
Period:	1-Jul-1999	to	30-Jun-2000		5,705,600 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	8,801.7 kilograms	
Period:	1-Jul-2000	to	30-Jun-2001		5,669,475 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	7,270.8 kilograms	
Period:	1-Jul-2001	to	30-Jun-2002			
GOLD				BULLION	2,087.8 kilograms	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1872	to	1916	Mosman, Clarke and Fraser discovery gold at Mount Leyshon in 1871. Mining commenced soon after with lode and alluvial operations completing by 1912.
1986	to	2002	Large low grade potential discovered in 1980s. Normandy Mt Leyshon Limited commenced mining in 1986 open cutting the site of the historical mine workings. Mining concluded in June 2001 with stockpile milling continuing until Feb 2002.

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Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	10144	100.00%	LEYSHON RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Mount Leyshon Complex / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	DIATREME OR PYROCLASTIC-RELATED DEPOSITS
DETAILED OREBODY MODEL	PORPHYRY-RELATED AURIFEROUS SUBVOLCANIC BRECCIAS AND VEINS

Mineralisation Age

ORE	EARLY PERMIAN

Comments

Mineralisation is hosted within the Mount Leyshon diatreme which straddles the boundary between Cambro-Ordovician meta sedimentary and volcanic rocks of the Seventy Mile Range Group and Ordovician-Devonian I-type granitoids of the Ravenswood Batholith.

The majority of the gold mineralisation occurs within the Mount Leyshon Breccia. Replacement, cavity fill, disseminated and vein styles of mineralisation have been recorded.

Newcrest have entered into a joint venture with the holders Echelon Resources under the terms of which Newcrest can earn 70% equity in the project contingent on exploration expenditure.

Web Page

http://www.leyshonresources.com, www.newcrestmining.com.au

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38455 **MOUNT LUCY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 3.3KM WSW OF ALMADEN.

1:100 000 sheet Number and Name: 7863 CHILLAGOE

Grid Reference: Zone 55 249113 mE 8080269 mN Latitude -17.3492 Longitude 144.6391 Date Recorded: 31/January/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
IRON	SMALL	5 000 - 5 000 000 tonnes FE
MAGNETITE	SMALL	50 000 - 500 000 tonnes MT
SILVER	VERY SMALL	<5 tonnes AG
WOLLASTONITE		

Production Details

Period: 1-Jan-1903 to 31-Dec-1942

IRONSTONE 45,344.0 tonnes

Published Reserves/Resources

BR 9518 Published in 2010

MOUNT LUCY

INFERRED MINERAL RESOURCE 3,000,000 tonnes Ore @ 60.00 % IRON **FOR** 1,800,000 Tonnes IRON

Estimated resources are >3Mt at >60% iron ore

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9518	2010	INTERMET RESOURCES LIMITED	FINANCIAL REPORT FOR THE PERIOD ENDED 31 JANUARY 2010.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. INTERMET RESOURCES LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
DREDGING	
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	20488	100.00%	L & P MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	Lucy Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	IRON SKARN

Mineralisation Age

ORE	CARBONIFEROUS

Comments

Web Page

http://tablelandsmining.com.au/

493551 MOUNT MACKENZIE

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 60KM SSW OF ST LAWRENCE, EAST OF MACKENZIE RIVER, BROADSOUND RANGE, 205KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8752 MOUNT BLUFFKIN

Grid Reference: Zone 55 749714 mE 7469505 mN Latitude -22.8636 Longitude 149.4337 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Instinct

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 5830 Published in 1995 **HOLE 355**

INFERRED MINERAL RESOURCE 3,338 tonnes Ore @ 15.86 g/t GOLD **FOR** 53 Kilograms GOLD

BR 5830 Published in 1995 **NORTH KNOLL (OXIDE)**

MEASURED - INDICATED - INFERRED MINERAL RESOURCE 531,000 tonnes Ore @ 1.08 g/t GOLD **FOR** 573 Kilograms GOLD

BR 5830 Published in 1995 **NORTH KNOLL (SULPHIDE)**

MEASURED - INDICATED - INFERRED MINERAL RESOURCE 1,140,000 tonnes Ore @ 0.95 g/t GOLD **FOR** 1,083 Kilograms GOLD

BR 5830 Published in 1995 **SOUTHWEST SLOPES (OXIDE)**

MEASURED - INDICATED - INFERRED MINERAL RESOURCE 402,000 tonnes Ore @ 1.51 g/t GOLD **FOR** 607 Kilograms GOLD

BR 5830 Published in 1995 **SOUTHWEST SLOPES (SULPHIDE)**

MEASURED - INDICATED - INFERRED MINERAL RESOURCE 855,000 tonnes Ore @ 1.02 g/t GOLD **FOR** 872 Kilograms GOLD

BR 5829 Published in 1994 **WATERBORE**

INDICATED MINERAL RESOURCE 19,650 tonnes Ore @ 2.71 g/t GOLD **FOR** 53 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5829	1994	MARLBOROUGH GOLD MINES LTD	MARLBOROUGH GOLD MINES LTD, QUARTERLY REPORT JUNE 1994.	
BR 5830	1995	MARLBOROUGH GOLD MINES LTD	MARLBOROUGH GOLD MINES LTD, QUARTERLY REPORT DECEMBER 1995.	

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10006	100.00%	MOUNT MACKENZIE MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CONNORS SUBPROVINCE	Mount Benmore Volcanics / EARLY PERMIAN to EARLY PERMIAN

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Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	HIGH SULPHIDATION EPITHERMAL
GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)	
DETAILED OREBODY MODEL	PORPHYRY-RELATED AURIFEROUS SUBVOLCANIC BRECCIAS AND VEINS	

Mineralisation Age

ORE	LATE CARBONIFEROUS	300 +- 3 Ma from Beams, Harvey and Laurie (2000), technique not described.

Comments

A typical zonal alteration style with decreasing intensity outwards from mineralised silica-pyrite to quartz alunite (very low pH), pyrophyllite (low pH), illite (moderately low pH) and smectite (~ neutral pH).
Gold grades are associated with silica and quartz-alunite zones. Exploration in 2002 identified a high IP and low resistivity anomaly on the SW side of Mount Mackenzie that was interpreted as a sulphide-rich intrusive system.
Exploration by Smarttrans Holdings has delineated large polymetallic breccia zones within an extensive advanced argillic alteration zone.
In April 2008, Australia Oriental Minerals NL and Smarttrans Holdings Limited (Connors Arch JV) announced they had accepted an offer from Newcrest Operations Limited for a JV over the Mount Mackenzie prospect, known as the Broadsount Joint Venture.
The results of deep core drilling in the December 2008 quarter included 8.4m at 0.67g/t Au from 615m (including 1m at 3.8g/t Au from 616m).

Web Page

www.smarttrans.com.au; www.aominerals.com.au; www.newcrest.com.au

Queensland Minerals

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486886 **MOUNT MANGANESE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 116 KM SOUTH-WEST OF SPRINGSURE IN THE HEADWATERS OF THE WARREGO RIVER, 390KM WEST OF GLADSTON

1:100 000 sheet Number and Name: 8447 WARRONG

Grid Reference: Zone 55 558235 mE 7228657 mN Latitude -25.0566 Longitude 147.5774 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Mount Tabor

Commodities	Size	Size Definition
COBALT	SMALL	10 - 1 000 tonnes CO
MANGANESE	VERY SMALL	<100 tonnes MN

Production Details

Published Reserves/Resources

BR 6328 Published in 2000 **OXIDE ORE**

INFERRED MINERAL RESOURCE 115,000 tonnes Ore @ 0.18 % COBALT **FOR** 207 Tonnes COBALT

Comments/Cut Off Factor: Cutoff of 0.03% Co to 50m depth.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6328	2000	GUNSON RESOURCES LIMITED	ANNUAL REPORT 2000.	GUNSON RESOURCES LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
EROMANGA BASIN	Evergreen Formation / EARLY JURASSIC to EARLY JURASSIC

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	SUPERGENE-ENRICHED MANGANESE OXIDE DEPOSITS

Mineralisation Age

ORE	TERTIARY

Comments

Cobalt mineralisation occurs as massive manganese wad and as manganiferous matrix in coarse sandstone and grits associated with Jurrassic sediments of the Eromanga Basin.

The manganese-cobalt mineralisation is confined to joint-bounded, diatreme-like structures containing brecciated coarse sandstone blocks.

Interaction of hydrothermal fluids generated from gabbro/basaltic intrusives scavanged Mn and Co from Evergreen Formation sediments and deposited them in the joint/breccia zones. Later Tertiary weathering enriched this mineralisation.

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497095 **MOUNT MARGARET**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 9 KM EAST-SOUTH-EAST OF ERNEST HENRY, 34KM NORTH-EAST OF CLONCURRY, 135KM EAST OF MT ISA.

1:100 000 sheet Number and Name: 7057 CLONAGH

Grid Reference: Zone 54 477355 mE 7739544 mN Latitude -20.4423 Longitude 140.7829 Date Recorded: 8/March/2016

Other Names for Deposit / Mine

E1 Camp
Burke And Wills Prospect
E1 Central
E1 East
Eliza Creek
E1 North
E1 Prospect
E1 South

Commodities	Size	Size Definition
COPPER	LARGE	250 000 - 2 000 000 tonnes CU
GOLD	MEDIUM	5 - 50 tonnes AU
URANIUM	SMALL	100 - 10 000 tonnes U
MAGNETITE	VERY SMALL	<50 000 tonnes MT
LEAD	VERY SMALL	<1000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN
COBALT	VERY SMALL	<10 tonnes CO

Production Details

Period: 1-Jul-2012 to 30-Jun-2013 4,983,538 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 45,296.0 tonnes

Published Reserves/Resources

BR 10427 Published in 2015 **E1 CAMP**

INDICATED MINERAL RESOURCE 5,500,000 tonnes Ore @

0.75 % COPPER **FOR** 41,250 Tonnes COPPER

0.23 g/t GOLD **FOR** 1,288 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cut-off.

BR 10427 Published in 2015 **E1 CAMP**

INFERRED MINERAL RESOURCE 400,000 tonnes Ore @

0.90 % COPPER **FOR** 3,600 Tonnes COPPER

0.30 g/t GOLD **FOR** 120 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cut-off.

BR 10427 Published in 2015 **E1 CAMP**

MEASURED MINERAL RESOURCE 4,600,000 tonnes Ore @

0.70 % COPPER **FOR** 32,200 Tonnes COPPER

0.20 g/t GOLD **FOR** 920 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cut-off.

BR 8291 Published in 2007 **E1 EAST URANIUM**

INFERRED MINERAL RESOURCE 8,000,000 tonnes Ore @

0.01 % URANIUM OXIDE **FOR** 904 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: By-product uranium within 0.5% Cu cut-off envelope.

BR 8291 Published in 2007 **E1 NORTH URANIUM**

INFERRED MINERAL RESOURCE 7,930,000 tonnes Ore @

0.02 % URANIUM OXIDE **FOR** 1,197 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: By-product uranium within 0.5% Cu cut-off envelope.

BR 8291 Published in 2007 **E1 SOUTH URANIUM**

INFERRED MINERAL RESOURCE 10,300,000 tonnes Ore @

0.01 % URANIUM OXIDE **FOR** 1,019 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: By-product uranium within 0.5% Cu cut-off envelope.

Resource figures listed above are JORC compliant.

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Published Reference ID	Year	Author	Title	Source
BR 10427	2015	GLENCORE	GLENCORE RESOURCES & RESERVES AS AT 31 DECEMBER 2014.	HTTP://WWW.GLENCORE.COM/ASSETS/INVESTORS/DOC/REPORTS_AND_RESULTS/2014/GLEN-2014-RESOURCES-RESERVES-REPORT.PDF
BR 8291	2007	EXCO RESOURCES NL	INITIAL URANIUM RESOURCE.	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE, 16 JULY 2007. EXCO RESOURCES NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8609	100.00%	MOUNT MARGARET MINING PTY LTD
ML	90157	100.00%	MOUNT MARGARET MINING PTY LTD
ML	90199	100.00%	MOUNT MARGARET MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CONSTANTINE DOMAIN	Mount Fort Constantine Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC	Mineralisation appears to be mineralogically similar to Ernest Henry.

Comments

The E1 (Mount Margaret) prospect comprises copper orebodies at E1 North, E1 East and E1 South. Mineralisation is similar to Ernest Henry and occurs beneath ~25m of sedimentary cover. E1 South was a greenfields discovery by WMC in the early 1990s.
Drill intersections announced in January 2009 included 34m @ 0.79% Cu & 0.28g/t Au from 332m (including 14m @ 1.38% Cu & 0.4g/t Au), 32m @ 0.8% Cu & 0.23g/t Au from 118m (including 18m @ 1.05% Cu & 0.3g/t Au) and 62m @ 1.06% Cu & 0.37g/t Au from 46m.
BHP acquired the project from WMC in the late 1990s. The project was subsequently acquired by Exco Resources NL. Drilling has identified significant Cu-Au resources at E1 North and E1 South.
In March 2010 Exco resources (BR9458) announced measured, indicated and inferred resources for E1, followed in December 2010 by statement of proved and probable ore reserves based on previous resource figures (BR9547).
Recent drilling at E1 East has confirmed significant resource potential, with an intersection of 45m at 0.87% Cu, including 24m at 1.1% Cu. Other intersections include 120m at 0.54% Cu and 0.18g/t Au, including 48m at 0.78% Cu and 0.23g/t Au.
A Mining Lease has been granted over the E1 North deposit and ML applications are being prepared for E1 South and E1 East. Exco Resources Ltd completed a scoping study in March 2007.
In February 2008, Exco announced that infill drilling at E1 South had returned wider zones and higher grades than expected. Significant intersections included 27m at 0.81% Cu and 0.24g/t Au from 214m and 22.7m at 0.89% Cu and 0.24g/t Au from 30.3m.
A pre-feasibility study on the Cloncurry Copper Project (including the E1 resources) was well advanced in early 2008, with completion expected in the second quarter.
In August 2008, Exco announced that drilling had indicated that E1 North occurs in a folded (antiform) structure, with the eastern limb extending towards E1 South. E1 South is itself hosted in a synform structure.
Drilling on the eastern limb of E1 North intersected 78m at 1.27% Cu and 0.43g/t Au from 156m, 74m at 1.68% Cu and 0.47g/t Au from 34m, 18m at 2.38% Cu and 0.13g/t Au from 68m, and 36m at 1.08% Cu and 0.17g/t Au from 86m.
Infill drilling was completed by the end of 2008. A definitive feasibility study on the Cloncurry Copper Project is on track for completion in early 2009.
Xstrata commenced open cut mining at Mount Margaret in July 2012 and the first ore production was processed at Ernest Henry in September 2012. The ore is transported to the Ernest Henry mine for processing through the existing concentrator.
In June 2011, Exco Resources Ltd sold the Cloncurry Copper Project to Xstrata Limited which included the E1 Camp (now Mount Margaret) and Monakoff deposits.
Following the merger of Glencore and Xstrata to create Glencore Xstrata Plc (now known as Glencore Plc) Glencore suspended magnetite production in July 2013 and closed some of the Mount Margaret (E1) pits (BR10304).
(2014) Following an extensive review of the E1 complex Glencore have excluded E1 South and East from the current ore reserves. The expiry of relevant tenements for E1 is 31 December 2032.

Web Page

www.glencore.com

Queensland Minerals

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43559 **MOUNT MASCOTTE**

ABANDONED MINE

Descriptive Location: 63KM SE OF MT ISA; 20KM N OF DUCHESS

1:100 000 sheet Number and Name: 6855 DUCHESS

Grid Reference: Zone 54 381226 mE 7657585 mN Latitude -21.1792 Longitude 139.8558 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jan-1914	to	31-Dec-1928	4,912 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	890.0 tonnes	
GOLD			BULLION	7.7 kilograms	
Period:	1-Jan-1967	to	31-Dec-1970	254 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	9.7 tonnes	3.80 percent

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
OPEN CUT MINING	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13870	100.00%	MT. DOCKERELL MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL	

Mineralisation Age

ORE	PROTEROZOIC

Comments

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43561 **MOUNT MCNAMARA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 25.8KM SSW OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 439739 mE 7686284 mN Latitude -20.9228 Longitude 140.4205 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Mcnamara

Mount Macnamara

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jan-1915	to	31-Dec-1958	4,927	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	619.0 tonnes	12.60 percent
GOLD			BULLION	4.3 kilograms	0.86 grams per tonne
Period:	1-Jan-1969	to	31-Dec-1969	90	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	3.7 tonnes	4.10 percent
Period:	1-Jan-1980	to	31-Dec-1980	301	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	3.0 tonnes	1.00 percent

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1915	to	1918	Discovered in 1915. Purchased by the Hampden Company in 1918. This company excavated the main adit and 3 shafts up to 45m deep and carried out extensive underground development.

Mining Operations	Comments
SHAFTS	
OPEN CUT MINING	Along lode - open stopes.
ADITS	Main (northern) adit was 140m long.
UNDERGROUND MINING METHODS	
STOPING	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90149	100.00%	NORTH QUEENSLAND MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Answer Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Web Page

www.queenslandminingcorporation.com.au

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486426 **MOUNT MILLER**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 6 KM SW OF GLADSTONE POWER STATION

1:100 000 sheet Number and Name: 9150 GLADSTONE

Grid Reference: Zone 56 314281 mE 7356816 mN Latitude -23.8894 Longitude 151.1758 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
MANGANESE	SMALL	100 - 100 000 tonnes MN
LUMP SILICA	VERY SMALL	<1 000 tonnes SIL

Production Details

Period: 1-Jan-1895 to 31-Dec-1960

MANGANESE OXIDES	21,785.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1895			DISCOVERED
1901	to	1904	WORKED BY MOUNT MILLER MINING CO.
1913	to	1915	
1958	to	1960	

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 15771	100.00%	GENESIS RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
WANDILLA PROVINCE	Doonside Formation / DEVONIAN to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EXHALATIVE-RELATED DEPOSIT
DETAILED OREBODY MODEL	VOLCANOGENIC MN

Mineralisation Age

ORE	PALAEOZOIC

Comments

Web Page

www.westerndesertresources.com.au

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503313 **MOUNT MILLICENT**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 8.6KM ENE OF MOUNT CUTHBERT MINE.

1:100 000 sheet Number and Name: 6858 ALSACE

Grid Reference: Zone 54 394318 mE 7792881 mN Latitude -19.9576 Longitude 139.9900 Date Recorded: 18/November/2008

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1936 to 31-Dec-1936 36 tonnes OXIDE ORE

COPPER	OTHER	2.4 tonnes	20.00 percent
GOLD	BULLION	0.0 kilograms	0.56 grams per tonne

Published Reserves/Resources

BR 8922 Published in 2008 **MOUNT MILLICENT**

INDICATED MINERAL RESOURCE 231,000 tonnes Ore @ 1.00 % COPPER **FOR** 2,310 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8922	2008	MATRIX METALS LIMITED	ANNUAL REPORT 2008.	MATRIX METALS LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments
	1908	On ML 663, the lease originally worked by 3 trenches. 18.5t of ore shipped averaging 30% Cu; 2.54t from the northern trench and 15.5t from the southern trench. On ML664, the workings of 1shaft, 1 opencut and a trench were in the north.

Mining Operations	Comments
SHAFTS	Main shaft (northern most) inclined to the east.
UNDERGROUND MINING METHODS	
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90141	100.00%	MALACO LEICHHARDT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	PROTEROZOIC

Comments

Web Page

www.matrixmetals.com.au

Queensland Minerals

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43753 **MOUNT MOLLOY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 3.0 KM S OF MOUNT MOLLOY.

1:100 000 sheet Number and Name: 7964 RUMULA

Grid Reference: Zone 55 322481 mE 8152450 mN Latitude -16.7039 Longitude 145.3351 Date Recorded: 26/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Period: 1-Jan-1903 to 31-Dec-1941 43,600 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 3,863.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
SHAFTS	
TRENCHES	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 4831	100.00%	OZMIN RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
DETAILED OREBODY MODEL	VMS - BESSHI/KIESLAGER STYLE CU-ZN
DETAILED OREBODY MODEL	VMS - BESSHI/KIESLAGER STYLE CU-ZN

Mineralisation Age

ORE DEVONIAN

Comments

The Mount Molloy VMS deposit comprises two main stratiform mineralised lenses, separated by a body of porphyry, in carbonaceous and pyritic shale. The lenses are underlain by a narrow stockwork of quartz-sericite-pyrite veining.
One lens comprises chalcopyrite-pyrite in a siliceous gangue; the other contains banded sphalerite-chalcopyrite-pyrite in a quartz-carbonate gangue. The lease is held by Ozmin Resources Pty Ltd, a subsidiary of Axiom Mining Ltd.
In late 2007, a 1025.2m, five hole core drilling program was completed in the mining lease to test the lateral and down-plunge extensions to the orebody. Visible chalcopyrite and sphalerite were intersected in all holes.
Better intersections included 43m at 0.4% Cu and 0.23% Zn from 40m (including 6m at 1.1% Cu and 0.22% Zn from 64m) and 14m at 0.16% Cu from 93m.

Web Page

www.axiom-mining.com

Queensland Minerals

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494270 **MOUNT MORGAN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 36 KM SOUTH-WEST OF ROCKHAMPTON, 90KM WNW OF GLADSTONE.

1:100 000 sheet Number and Name: 8950 MOUNT MORGAN

Grid Reference: Zone 56 231606 mE 7383475 mN Latitude -23.6371 Longitude 150.3692 Date Recorded: 23/September/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	GIANT	>150 tonnes AU
COPPER	LARGE	250 000 - 2 000 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG
PYRITE		

Production Details

Period:	1-Jan-1884	to	31-Dec-1886			
GOLD				BULLION	1,835.0 kilograms	
Period:	1-Jan-1887	to	31-Dec-1927		8,600,000 tonnes SULPHIDE ORE	
GOLD				BULLION	157,273.0 kilograms	
COPPER				MATTE	116,175.0 tonnes	
Period:	1-Jan-1929	to	31-Dec-1982		41,400,000 tonnes SULPHIDE ORE	
GOLD				FINE	78,788.0 kilograms	
COPPER				MATTE	244,441.0 tonnes	
SILVER					36,842.0 kilograms	
PYRITE					568,000.0 tonnes	
Period:	1-Jan-1983	to	31-Dec-1990		52,000,000 tonnes DUMP	
GOLD				BULLION	56,160.0 kilograms	1.08 grams per tonne

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Published Reserves/Resources

BR 8356 Published in 2007

B & K DUMP MULLOCK

MEASURED MINERAL RESOURCE 210,000 tonnes Ore @
1.82 g/t GOLD **FOR** 382 Kilograms GOLD

BR 9201 Published in 2009

MUNDIC TAILINGS

INDICATED MINERAL RESOURCE 833,000 tonnes Ore @
1.93 g/t GOLD **FOR** 1,607 Kilograms GOLD

BR 9201 Published in 2009

MUNDIC TAILINGS

INFERRED MINERAL RESOURCE 357,000 tonnes Ore @
1.82 g/t GOLD **FOR** 649 Kilograms GOLD

BR 9201 Published in 2009

NO.2 MILL TAILINGS

INDICATED MINERAL RESOURCE 1,264,000 tonnes Ore @
1.16 g/t GOLD **FOR** 1,466 Kilograms GOLD

BR 9201 Published in 2009

NO.2 MILL TAILINGS

INFERRED MINERAL RESOURCE 1,099,000 tonnes Ore @
1.17 g/t GOLD **FOR** 1,285 Kilograms GOLD

BR 8356 Published in 2007

Q DUMP MULLOCK

MEASURED MINERAL RESOURCE 135,000 tonnes Ore @
1.90 g/t GOLD **FOR** 256 Kilograms GOLD

BR 9201 Published in 2009

RED OXIDE TAILINGS

INDICATED MINERAL RESOURCE 390,000 tonnes Ore @
2.23 g/t GOLD **FOR** 869 Kilograms GOLD

BR 9201 Published in 2009

RED OXIDE TAILINGS

INFERRED MINERAL RESOURCE 445,000 tonnes Ore @
2.15 g/t GOLD **FOR** 956 Kilograms GOLD

BR 9201 Published in 2009

SHEPHERDS TAILINGS

INDICATED MINERAL RESOURCE 3,960,000 tonnes Ore @
0.86 g/t GOLD **FOR** 3,405 Kilograms GOLD

BR 8356 Published in 2007

SLAG

INFERRED MINERAL RESOURCE 6,000,000 tonnes Ore @
0.34 % COPPER **FOR** 20,400 Tonnes COPPER
1.00 g/t GOLD **FOR** 6,000 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8356	2007	NORTON GOLD FIELDS LIMITED	2007 ANNUAL REPORT.	NORTON GOLD FIELDS LIMITED, BRISBANE.
BR 9201	2009	NORTON GOLD FIELDS LIMITED	QUARTERLY REPORT: JUNE 2009.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. NORTON GOLD FIELDS LIMITED, BRISBANE.

Queensland Minerals

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1882	to	1903	Mining by a variety of owners the most famous being W.K.D'Arcy who with the wealth generated from Mount Morgan went on to discover oil in Iran (Persia) and formed British Petroleum.
1882			Discovery
1903			First smelter built and mining focused on the copper ore.
1925	to	1927	Mine workings devastated by fire in 1925 and in conjunction with worker unrest mine closed in 1927
1929	to	1968	Mine reopen using opencut mining techniques.
1968	to	1981	Peko-Wallsend purchased the mine and continued mining operations until July 1981.
1981	to	1990	Tailings retreated by Mount Morgan Ltd.

Mining Operations	Comments
OPEN CUT MINING	
ADITS	
DECLINED SHAFTS/DRIVES	
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5589	100.00%	NORTON GOLD FIELDS LIMITED
ML	5602	100.00%	NORTON GOLD FIELDS LIMITED
ML	5608	100.00%	NORTON GOLD FIELDS LIMITED
ML	5609	100.00%	NORTON GOLD FIELDS LIMITED
ML	5612	100.00%	NORTON GOLD FIELDS LIMITED
ML	5613	100.00%	NORTON GOLD FIELDS LIMITED
ML	5616	100.00%	NORTON GOLD FIELDS LIMITED
ML	5618	100.00%	NORTON GOLD FIELDS LIMITED
ML	5620	100.00%	NORTON GOLD FIELDS LIMITED
ML	5623	100.00%	NORTON GOLD FIELDS LIMITED
ML	5624	100.00%	NORTON GOLD FIELDS LIMITED
ML	5625	100.00%	NORTON GOLD FIELDS LIMITED
ML	5633	100.00%	NORTON GOLD FIELDS LIMITED
ML	5634	100.00%	NORTON GOLD FIELDS LIMITED
ML	5659	100.00%	NORTON GOLD FIELDS LIMITED
ML	5660	100.00%	NORTON GOLD FIELDS LIMITED
ML	6692	100.00%	NORTON GOLD FIELDS LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT MORGAN SUBPROVINCE	Mount Warner Volcanics/q / MIDDLE DEVONIAN to MIDDLE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	VMS - KUROKO STYLE (NORANDA, FELSIC TO INTERMED VMS TYPE)

Mineralisation Age

ORE	MIDDLE DEVONIAN

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

Comments

Mount Morgan was the largest single lode gold orebody in Australia and produced ~8Moz of gold and 350,000t of copper over a mine life of about 108 years. The deposit occurs within a thick pile of acid pyroclastics of sodic rhyolite or dacite composition.

The orebody is described as a pipe-like body that transgresses the stratigraphic sequence. The two main ore types recognised are massive pyrite-silica mineralisation (Main Pipe Orebody) and siliceous stringer mineralisation (Sugarloaf Orebody).

The Main Pipe and Sugarloaf orebodies were recorded as being continuous, with a gradation observed in the lower part of the Main Pipe from massive pyritic ore through semi-massive siliceous sulphides to siliceous stringer mineralisation.

In January 2007, Norton Gold Field Ltd announced that it had entered into an agreement to acquire the Mount Morgan mine tenements. Norton intends to develop a tailings re-treatment project on the site.

Norton plans to build a 1Mtpa plant to produce 30,000 to 35,000 oz per annum of gold from tailings over 12 years. This 2 stage project will ultimately produce 200,000tpa of pyrite and 1000tpa of Cu in concentrate also.

Norton plans to treat an initial 4Mt of tailings and mullock to recover 180,000 to 200,000 ounces of gold over 4 years. The 750,000tpa Kundana gold processing plant will be relocated from Kalgoorlie to Mount Morgan.

A feasibility study has been commissioned and a drilling program to improve the resource has been completed. A draft feasibility paper was presented to the board in July 2008. The Kundana plant is being dismantled and refurbished.

In 2011 Norton reported figures for a 12-year project, based on a JORC indicated resource of 2.49Mt @ 1.60g/t Au and an inferred resource of 5.68Mt Au. An additional mineral inventory of over 4Mt is expected to be sourced from former mine waste (BR9706).

Web Page

http://www.carbineresources.com.au/

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

493670 **MOUNT NORMA**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 30.7KM SE OF CLONCURRY

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 468580 mE 7687032 mN Latitude -20.9167 Longitude 140.6978 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Mount Norma No.2
Mount Norna
Mountain Home

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jul-1906	to	30-Jun-1907		61	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	18.2 tonnes	30.00 percent
Period:	1-Jan-1932	to	31-Dec-1932		2	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	0.5 tonnes	24.70 percent
Period:	1-Jan-1938	to	31-Dec-1948		134	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	21.8 tonnes	16.30 percent
Period:	1-Jan-1943	to	31-Dec-1943		37	tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	0.0 kilograms	0.21 grams per tonne
Period:	1-Jan-1968	to	31-Dec-1970		60	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	5.3 tonnes	8.80 percent
SILVER					3.9 kilograms	64.85 grams per tonne
COPPER				METAL	569.0 tonnes	6.10 percent
SILVER					247.6 kilograms	26.70 grams per tonne
Period:	1-Jan-1976	to	31-Dec-1976		23	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	1.2 tonnes	5.20 percent
Period:	1-Jan-1977	to	31-Dec-1979		957	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	35.5 tonnes	3.70 percent
SILVER					64.0 kilograms	66.90 grams per tonne
Period:	1-Jul-2004	to	30-Jun-2008			
COPPER				PRECIPITATE	1,596.2 tonnes	

Published Reserves/Resources

INFERRED MINERAL RESOURCE 1,600,000 tonnes Ore @ 4.00 % COPPER **FOR** 64,000 Tonnes COPPER

Comments/Cut Off Factor: Currently mining block of 0.3Mt at >4% Cu. Resource figures sourced from CuDeco Ltd website (2006). From CuDeco Ltd website.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1904	to	1907	Mine worked.
1932	to	1932	Limited mining carried out.
1968	to	1972	Worked by B. Farr and A. Moroney.
1973	to	1979	Worked under tribute by Buckley and Ah Wing. Last worked in 1979 by A.B. and F. King. Mine workings declared unsafe in 1979.
2003			First 2 test leach vats completed in 2003. Production of copper sulphate pentahydrate by CuDeco Ltd commenced November 2004.
		1881	Discovery date not known but the lode was described by R.L. Jack in 1881.

Queensland Minerals

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Mining Operations	Comments
SHAFTS	
OPEN CUT MINING	Includes a "glory hole".
UNDERGROUND MINING METHODS	
STOPING	
ADITS	
PITS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15879	100.00%	MT NORMA MINING COMPANY PTY LIMITED
ML	2506	100.00%	MT NORMA MINING COMPANY PTY LIMITED
ML	2550	100.00%	MT NORMA MINING COMPANY PTY LIMITED
ML	2551	100.00%	MT NORMA MINING COMPANY PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Mount Norna Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

CuDeco Ltd (previously Australian Mining Investments) had been producing copper sulphate pentahydrate at Mount Norma since 2004 at a rate of about 2.75 million kilograms per annum.

Oxide ore is soaked in sulphuric acid in leach vats and the solution is stored in a 1ML storage pond. The solution is treated via SX colums and chilling to form Cu sulphate crystals. The Cu sulphate slurry is then dewatered, dried and bagged for shipment.

CuDeco planned to reprocess a portion of the copper sulphate product to produce high quality copper fungicides.

In March 2007, CuDeco announced that it had entered into a conditional agreement to sell the Mount Norma mine and other non-core leases to Queensland Mining Corporation Ltd for $7.9 million.

Drilling results announced by Queensland Mining Corp in October 2008 included 18m @ 5.06% Cu & 32.9g/t Ag from 76m (including 8m @ 9.1% Cu & 58.8g/t Ag from 84m) & 16m @ 1.87% Cu & 12.4g/t Ag from 56m (including 3m @ 4.45% Cu & 16.4g/t Ag from 56m).

In 2007/08. Queensland Mining Corporation constructed a 250,000t "super vat" to increase copper sulphate production and replaced 5 old vats with one 60,000t vat.

Web Page

www.queenslandminingcorporation.com.au; www.cudeco.com.au

Queensland Minerals

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491239 **MOUNT O'CONNOR**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 32 KM NORTH-WEST OF CENTURY MINE, 235KM NORTH OF MT ISA.

1:100 000 sheet Number and Name: 6560 MUSSELBROOK

Grid Reference: Zone 54 216321 mE 7935165 mN Latitude -18.6554 Longitude 138.3110 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

Company Report 15312 Published in 1986 **MOUNT O'CONNOR**

INFERRED MINERAL RESOURCE 15,000,000 tonnes Ore @ 17.40 % PHOSPHATE **FOR** 2,610,000 Tonnes PHOSPHATE

Comments/Cut Off Factor: 10% P2O5 cutoff.

At an average grade of 17.4% P2O5, 3.3% Al2O3, 12.9% Fe2O3 and 0.5% CO2.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Border Waterhole Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	MIDDLE CAMBRIAN

Comments

This phosphate resource is now within the Lawn Hill National Park.

Web Page

Queensland Minerals

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36543 **MOUNT ORMONDE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 4.9KM EAST OF IRVINEBANK, 70KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 314246 mE 8072847 mN Latitude -17.4225 Longitude 145.2512 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
COPPER	VERY SMALL	<500 tonnes CU
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Period: 1-Jan-1907 to 31-Dec-1979 1,889 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 27.8 tonnes

Published Reserves/Resources

Company Report 14483 Published in 1982 **MOUNT ORMONDE**

PROBABLE ORE RESERVE 10,000 tonnes Ore @ 0.65 % CASSITERITE **FOR** 65 Tonnes CASSITERITE

Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

Company Report 14483 Published in 1982 **MOUNT ORMONDE**

PROVED ORE RESERVE 11,500 tonnes Ore @ 0.59 % CASSITERITE **FOR** 68 Tonnes CASSITERITE

Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
ADITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14741	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

The main orebodies are concentrated at the intersection of two faults. Milled breccia is evident in the shear zones, with rounded, spherical sandstone clasts.

Web Page

www.nqm.com.au

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43469 **MOUNT OXIDE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 25 KM NORTH OF GUNPOWDER, 125KM N OF MT ISA.

1:100 000 sheet Number and Name: 6759 MOUNT OXIDE

Grid Reference: Zone 54 330842 mE 7845409 mN Latitude -19.4787 Longitude 139.3883 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
COBALT	MEDIUM	1 000 - 20 000 tonnes CO
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Period:	1-Jan-1927	to	31-Dec-1960		50,247 tonnes OXIDE ORE	
COPPER				METAL	10,438.0 tonnes	20.80 percent
GOLD				FINE	4.5 kilograms	
SILVER					893.4 kilograms	
Period:	1-Jan-1967	to	31-Dec-1970		28,976 tonnes OXIDE ORE	
COPPER				METAL	2,134.3 tonnes	7.40 percent
Period:	1-Jul-1970	to	30-Jun-1971		355,000 tonnes OXIDE ORE	
COPPER				METAL	8,875.0 tonnes	2.50 percent
Period:	1-Jan-1972	to	31-Dec-1982			
COPPER				METAL	1,369.0 tonnes	

Published Reserves/Resources

BR 9680 Published in 2011 **MOUNT OXIDE**

INDICATED MINERAL RESOURCE 11,100,000 tonnes Ore @

1.60 % COPPER **FOR** 177,600 Tonnes COPPER

9.60 g/t SILVER **FOR** 106,560 Kilograms SILVER

Comments/Cut Off Factor: 0.5% Cu cutoff

Old mine with deep resource below open cut.

BR 9680 Published in 2011 **MOUNT OXIDE**

INFERRED MINERAL RESOURCE 4,800,000 tonnes Ore @

1.00 % COPPER **FOR** 48,000 Tonnes COPPER

5.20 g/t SILVER **FOR** 24,960 Kilograms SILVER

Comments/Cut Off Factor: 0.5% Cu cutoff

BR 9680 Published in 2011 **MOUNT OXIDE**

INFERRED MINERAL RESOURCE 4,500,000 tonnes Ore @

0.14 % COBALT **FOR** 6,300 Tonnes COBALT

Comments/Cut Off Factor: 0.1% Co cutoff

Within the Cu-Ag resource area.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9680	2011	PERILYA LIMITED	MOUNT OXIDE MINERAL RESOURCE INCREASE AND DEVELOPMENT STUDY UPDATE.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 28 APRIL 2011. PERILYA LIMITED, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1882			Found by Ernest Henry
1905	to	1920	Some production took place.
1927	to	1943	Higher grade ore was worked by underground methods and adit access.
1955	to	1960	Higher grade ore was worked by underground methods and adit access.
1967	to	1971	Lower grade envelope and high grade ore remnants were bulk mined by open cut. In 1971, the mining leases were taken over by Gunpowder Copper Pty Ltd.
1972	to	1982	Leaching and copper precipitation.

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Mining Operations	Comments
OPEN CUT MINING	Old workings now consumed by open cut.
SHAFTS	
ADITS	
UNDERGROUND MINING METHODS	
STOPING	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10313	100.00%	MOUNT OXIDE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT OXIDE DOMAIN	Paradise Creek Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

This deposit lies in the Mount Gordon Fault Zone. The mineralisation occurs in carbonaceous shale at the top of the Gunpowder Creek Formation and underlying the Mount Oxide Chert Member at the base of the Paradise Creek Formation.
Perilya Ltd has reinterpreted historical and current exploration results to produce a 3-D model that shows the deposit to be a series of eight stacked lenses.
A large zone of sandstone breccia with visible copper mineralisation, immediately north of the Mount Oxide mine, is a potential Mount Gordon (Mammoth) style target.
The tenement is held by Freehold Mining Ltd, a wholly-owned subsidiary of Perilya Mines NL.
Perilya calculated a 112,000t Cu resource. Drilling results announced in July 2007 included 30.4m at 5.2% Cu, 48ppm Ag and 426ppm Co from 192.6m and 4m at 5.5% Cu, 62g/t Ag and 670ppm Co from 156m.
Drilling results announced in November 2007 included 26.6m at 1.7% Cu and 18m at 2.6% Cu from 111m. The resources at Mount Oxide were upgraded in early 2008. A feasibility study is under way.
Drilling results announced in June 2008 included 22m at 6.3% Cu and 0.3% Co from 258m, 19m at 3.7% Cu from 315m, 31m at 6.2% Cu from 346m and 23m at 8.9% Cu from 395m. These high grade intercepts were in one hole, between 258m and 418m downhole.
Driiling results announced in August 2008 included 17m at 4.2% Cu from 248m, 32m at 4.5% Cu from 287m and 12m at 15.3% Cu and 161g/t Ag from 345m. These intersections are from below the current resource outline.

Web Page

www.perilya.com.au

Queensland Minerals

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37935 **MOUNT PADDY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 12KM W OF MOUNT GARNET; SE OF MUNDERRA HOMESTEAD.

1:100 000 sheet Number and Name: 7862 BULLOCK CREEK

Grid Reference: Zone 55 287524 mE 8044520 mN Latitude -17.6760 Longitude 144.9969 Date Recorded: 31/January/2017

Other Names for Deposit / Mine

Paddy
Paddy Lease
Mt Paddy

Commodities	Size	Size Definition
IRON	SMALL	5 000 - 5 000 000 tonnes FE
MAGNETITE	VERY SMALL	<50 000 tonnes MT
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 685 Published in 1955

PADDY

PROBABLE ORE RESERVE 100,000 tonnes Ore @ 58.40 % IRON **FOR** 58,400 Tonnes IRON

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 685	1955	CONNAH, T.H.	IRON DEPOSIT, MOUNT GARNET.	GEOLOGICAL SURVEY OF QUEENSLAND, UNPUBLISHED REPORT.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	20701	100.00%	L & P MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	IRON SKARN

Mineralisation Age

ORE

Comments

Metallurgical test results for a 300kg bulk sample of Paddy magnetite ore indicated good recoveries at a coarse grind size, high grades (65.46 to 66.29% Fe) and extremely low levels of impurities (<0.01% P).
Drilling completed in the second half of 2008 over the Paddy prospect gave intersections of 45m of continuous iron mineralisation, including 19m @ 51.28% Fe from 19m and 5m @ 48.48% Fe from 34m.
The interpreted zone of iron mineralisation is 1km long and 0.5km wide. A bulk sample has been submitted for metallurgical testing.

Web Page

www.tablelandsmining.com.au/

Queensland Minerals

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41040 **MOUNT PERRY**

ABANDONED MINE

Descriptive Location: 1.0KM SW OF MOUNT PERRY

1:100 000 sheet Number and Name: 9247 MOUNT PERRY

Grid Reference: Zone 56 362453 mE 7214349 mN Latitude -25.1806 Longitude 151.6350 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Mount Perry Copper Mine
Georges
Milne
Kennedy
Mount Perry Lode

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jan-1873	to	31-Dec-1884		
COPPER			METAL	4,907.3 tonnes	
Period:	1-Jan-1902	to	31-Dec-1917	32,120 tonnes HARD ROCK ORE (OR REEF)	
COPPER			METAL	4,306.2 tonnes	13.40 percent
GOLD			FINE	33.7 kilograms	1.05 grams per tonne
SILVER				4,845.4 kilograms	150.80 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1867	to	1871	Discovered by Henry Dingle in 1867 or 1869. Minor prospecting and development at Ebenezer workings.
1871	to	1877	Acquired by Mount Perry Copper Company, with Captain Osborne as mine manager. Reverberatory furnaces commissioned in 1873 and Georges Shaft excavated. The mine was shut down and the company liquidated in 1877.
1877	to	1890	Purchased by Sir Thomas McIlwraith, with Israel Bennett as mine manager. Mining languished, with brief revivals in 1884 and 1887 to 1889. The railway was completed in 1884. The smelters closed in 1890.
1901	to	1908	The Queensland Copper Company Ltd purchased the property in 1901. The old furnaces were demolished and new water-jacket furnaces were commissioned in 1902. The Georges and Kennedy shafts were worked, with Alan Gibb as mine manager.
1909	to	1911	The Milne became the main working shaft in 1909. A small concentrating plant was erected in 1910. Mining and smelting stopped temporarily in 1911 when the company was wound up and reconstituted as the New Queensland Copper Company Ltd.
1911	to	1913	A 3000 pounds grant from the Mines Department allowed development work to continue. Prices improved in 1912 and production and smelting recommenced in July. The company was forced into liquidation at the end of 1913.
1914	to	1919	The Milne Shaft was worked by tributers from 1914 to 1917, when the workings were abandoned and flooded. The buildings and machinery were sold in 1919.
1990	to	1990	The Queensland Copper Company Pty Ltd was treating dump material from the Ebenezer workings to recover copper sulphides.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	
TRENCHES	Collapsed stopes
STOPING	
ADITS	

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Tenure Type/Number		SHARE	Company Name/Surname
ML	1258	100.00%	BELANDA PTY LTD
ML	50029	100.00%	BELANDA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Tenningering Granodiorite / LATE PERMIAN to LATE PERMIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY INTRUSION-RELATED QUARTZ VEINS & STOCKWORKS

Mineralisation Age

ORE	PERMIAN to TRIASSIC

Comments

The high grade copper at Mount Perry was largely worked around the turn of the century, with grades averaging 25%. Mineralisation is hosted by quartz-rich veins within a multiphase biotite granodiorite intrusion.

Web Page

41117 MOUNT PERRY RUTILE

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 6.4KM E OF MOUNT PERRY

1:100 000 sheet Number and Name: 9247 MOUNT PERRY

Grid Reference: Zone 56 369290 mE 7213771 mN Latitude -25.1864 Longitude 151.7028 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Mount Perry Rutile Prospect

Commodities	Size	Size Definition
RUTILE	LARGE	>500 000 tonnes RUT
ZIRCON	SMALL	500 - 500 000 tonnes ZIR

Production Details

Published Reserves/Resources

Company Report 23245 Published in 1991 **AREA A**

INFERRED MINERAL RESOURCE 9,000,000 tonnes Ore @ 1.50 % RUTILE **FOR** 135,000 Tonnes RUTILE

Comments/Cut Off Factor: Estimate only. Includes high-grade zones with 2.3Mt at 1.8% rutile. Includes high grade zones with 2.3Mt at 1.8% rutile.

Company Report 23245 Published in 1991 **AREA C**

INFERRED MINERAL RESOURCE 43,000,000 tonnes Ore @ 1.75 % RUTILE **FOR** 752,500 Tonnes RUTILE

Comments/Cut Off Factor: Estimate only. Includes high-garde zones with 12Mt at 2.4% rutile. Includes high grade zones with 12Mt at 2.4% rutile

Company Report 23245 Published in 1991 **AREA D**

INFERRED MINERAL RESOURCE 62,000,000 tonnes Ore @ 1.00 % RUTILE **FOR** 620,000 Tonnes RUTILE

Comments/Cut Off Factor: Estimate only Estimate only.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	12m deep
OPEN CUT MINING	
PITS	
TRENCHES	Numerous shallow costeans

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10566	100.00%	MT RAWDON OPERATIONS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Aranbanga Volcanic Group / MIDDLE TRIASSIC to LATE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	RUTILE-QUARTZ VEINS

Mineralisation Age

ORE	TRIASSIC

Comments

Disseminated rutile occurs as veins, as interstitial grains and as inclusions in quartz grains in quartzite and altered acid volcanics.

Web Page

www.lglgold.com

Queensland Minerals

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43754 **MOUNT PERSEVERANCE**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 14.4 KM NORTH OF MOUNT MOLLOY.

1:100 000 sheet Number and Name: 7964 RUMULA

Grid Reference: Zone 55 323284 mE 8169769 mN Latitude -16.5475 Longitude 145.3439 Date Recorded: 13/September/2013

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TUNGSTEN	MEDIUM	500 - 10 000 tonnes W
TIN	VERY SMALL	<100 tonnes SN

Production Details

Period: 1-Jan-1917 to 31-Dec-1974

WOLFRAMITE	130.0 tonnes
CASSITERITE	1.7 tonnes

Published Reserves/Resources

Company Report 6886 Published in 1979 **MOUNT PERSEVERANCE**

INFERRED MINERAL RESOURCE 13,000,000 tonnes Ore @ 0.03 % TUNGSTIC OXIDE **FOR** 3,900 Tonnes TUNGSTIC OXIDE

Comments/Cut Off Factor: Grades 0.025 to 0.035% WO3 - estimate only.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	WOLFRAM VEINS
DETAILED OREBODY MODEL	WOLFRAM VEINS

Mineralisation Age

ORE	PALAEOZOIC

Comments

Wolframite occurs in quartz-veined sediments of the Hodgkinson Formation with feldspar and mica selvedges. Mineralsiation is similar to Mount Carbine. Cassiterite occurs in alluvium.

Web Page

494087 **MOUNT PHILP**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 54.5KM ESE OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 389720 mE 7679465 mN Latitude -20.9820 Longitude 139.9391 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
IRON	MEDIUM	5 000 000 - 100 000 000 tonnes FE
MAGNETITE	SMALL	50 000 - 500 000 tonnes MT

Production Details

Published Reserves/Resources

BR 10262 Published in 2013 **HAEMATITIC IRONSTONE**

INDICATED MINERAL RESOURCE 12,780,000 tonnes Ore @ 48.82 % IRON **FOR** 6,239,196 Tonnes IRON

Comments/Cut Off Factor: zero cutoff grade

Original source Cerro Resources Scheme booklet 22/03/2013.

BR 10262 Published in 2013 **HAEMATITIC IRONSTONE**

INFERRED MINERAL RESOURCE 4,630,000 tonnes Ore @ 47.48 % IRON **FOR** 2,198,324 Tonnes IRON

Comments/Cut Off Factor: zero cutoff grade

BR 10262 Published in 2013 **SILICEOUS IRONSTONE**

INDICATED MINERAL RESOURCE 6,330,000 tonnes Ore @ 26.47 % IRON **FOR** 1,675,551 Tonnes IRON

Comments/Cut Off Factor: zero cutoff grade

BR 10262 Published in 2013 **SILICEOUS IRONSTONE**

INFERRED MINERAL RESOURCE 6,770,000 tonnes Ore @ 24.47 % IRON **FOR** 1,656,619 Tonnes IRON

Comments/Cut Off Factor: zero cutoff grade

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10262	2013	MIDAS RESOURCES LIMITED	ASX ANNOUNCEMENT: MIDAS RESOURCES SEPTEMBER QUARTER 2013 ACTIVITIES REPORT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 31 OCTOBER 2013, MIDAS RESOURCES LTD, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	Three small test pits.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14232	100.00%	MT. DOCKERELL MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	He-MI / PROTEROZOIC to PROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	PROTEROZOIC

Comments

Sixteen samples averaged 52.6% Fe, 19.5% SiO_2, 0.7% Al_2O_3, <0.3% MnO_2 and traces of MgO, CaO, P_2O_5 and S (BR 6613). Rock chip sampling gave 5.5 to 72.8m at 25.3 to 62.5% Fe and 9.0 to 61.4% SiO_2.

Mount Dockerell Mining Pty Ltd, a subsidiary of Cerro Resources NL, is currently investigating the Mount Philp prospect to test the depth of hematite mineralisation that currently continues along strike for 4.5km.

2011 Cerro completed detailed program of geologic mapping, surface rock-chip sampling and partial drill testing of Mt Philp, with a total of 27 DDH and RC holes (100m spacing) establishing a resource over a total of 2.7km length (BR9720).

In 2010 preliminary metallurgical testwork from inferred resource, indicated ability to produce a high grade (68% iron) product using the well proven flotation method to remove silica. Flotation sighter tests on sa,ples with varying silica content

(2010 cont.) indicated that the production of a final iron ore grade product is achievable from high silica content material. Average product: 68% iron product at 77% iron recovery and 1.5% silica content. Individual iron grades bary from 18 to 63%.

Analysis of rock chip sampling results has delineated three zones, classified by varying silica content (pre 2007).

Initial metallurgical testwork indicated that flotation can produce final products grading 67.5-68% Fe amd 1.5% silica and recovering 68.6-79.6% of the iron.

Zone 1 final product grading 68.0% Fe and 1.5% Silica and recovering 79.6% of the Fe

Zone 2 final product grading 67.7% Fe and 1.5% Silica and recovering 82.6% of the Fe

Zone 3 final product grading 67.5% Fe and 1.5% Silica and recovering 68.6% of the Fe

In 2013 Midas Resources (now Hammer Metals Ltd) acquired this deposit and released a resource estimate produced by Cerro. This resource complies with JORC (2004), it is constrained by geologic boundaries and is open at depth.

Web Page

www.hammermetals.com.au

Queensland Minerals

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481981 **MOUNT RAMSAY NEPHELINE SYENITE**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 11KM SE OF BARALABA

1:100 000 sheet Number and Name: 8849 BARALABA

Grid Reference: Zone 55 793292 mE 7313928 mN Latitude -24.2601 Longitude 149.8886 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Mount Ramsay

Commodities	Size	Size Definition
NEPHELINE		

Production Details

Published Reserves/Resources

Company Report 4338 Published in 1972 **MOUNT RAMSAY**

INFERRED MINERAL RESOURCE

500,000,000 Tonnes NEPHELINE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
YARROL PROVINCE	

Deposit Model

Mineralisation Age

ORE

Comments

Mount Ramsay rises steeply from a flat plain. It is about 3km long and 1km wide and is almost exclusively nepheline syenite. It rises to a height of just over 300m above the plain and has a ridge 270m above the natural surface for about half its length.

This is an alkaline undersaturated intrusive rock, derived from a deep seated magma. Some of the commercial uses of nepheline include road aggregate and ceramic products.

The nepheline-bearing microsyenite of upper Cretaceous to Tertiary age has intruded the Permian fossiliferous Gyranda formation as massive outcrop at Mount Ramsay.

This syenite correlates with some dyke rocks 5km north and with a nepheline trachyte sill found in the Moura underground workings 34km to the south.

Valley Exploration Pty Ltd explored the deposit in 1972 with a view to production of caustic soda for alumina refining. The process envisaged involved desilicification of the syenite by sintering with limestone.

Products would have included caustic soda, potash chemicals and alumina.

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531983 **MOUNT RHONDA**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 52.5KM EAST-NORTH-EAST OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 390655 mE 7729305 mN Latitude -20.5318 Longitude 139.9512 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
SILICA	SMALL	1 000 - 1 000 000 t SIO
LIMESTONE	VERY SMALL	<100 000 tonnes LST

Production Details

Period: 1-Jan-1979 to 31-Dec-1979

SILICA	3,398.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	ROCK SILICA

Mineralisation Age

ORE	PROTEROZOIC

Comments

The lease was held by Croft and Mayers and worked on tribute by Shaw. Silica was mined initially, followed by limestone. Mount Isa Mines indicated that the lease contained a significant lime-flux prospect.

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41048 **MOUNT SHAMROCK**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 40.7KM SE OF MOUNT PERRY

1:100 000 sheet Number and Name: 9247 MOUNT PERRY

Grid Reference: Zone 56 392008 mE 7186664 mN Latitude -25.4330 Longitude 151.9261 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Mount Shamrock P.C.
Mount Shamrock Extended

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
BISMUTH	VERY SMALL	<50 tonnes BI
COPPER	VERY SMALL	<500 tonnes CU
ZINC	VERY SMALL	<200 tonnes ZN
MOLYBDENUM	VERY SMALL	<50 tonnes MO
TELLURIUM		

Production Details

Period:	1-Jan-1886	to	31-Dec-1889		24,109 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	399.1 kilograms	16.55 grams per tonne
GOLD				BULLION	248.9 kilograms	
Period:	1-Jan-1887	to	31-Dec-1887			
BISMUTH					4.1 tonnes	
Period:	1-Jan-1890	to	31-Dec-1900		8,945 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	132.7 kilograms	14.84 grams per tonne
GOLD				BULLION	0.2 kilograms	
Period:	1-Jan-1902	to	31-Dec-1903		1,708 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	17.9 kilograms	10.50 grams per tonne
GOLD				BULLION	104.0 kilograms	
Period:	1-Jan-1916	to	31-Dec-1917			
GOLD				BULLION	8.3 kilograms	
GOLD				FINE	3.4 kilograms	
SILVER					0.2 kilograms	
Period:	1-Jan-1923	to	31-Dec-1925		91 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	0.8 kilograms	9.28 grams per tonne
GOLD				BULLION	2.6 kilograms	
Period:	1-Jan-1933	to	31-Dec-1934		471 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	0.7 kilograms	1.48 grams per tonne
GOLD				FINE	0.3 kilograms	
SILVER					0.2 kilograms	
Period:	1-Jan-1947	to	31-Dec-1947			
GOLD				BULLION	0.7 kilograms	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1886	to	1886	Gold was discovered in 1886 and 10 claims were taken up. Gold was only found on the P.C. and Kents Knob. The other claims were abandoned in 1889.
1887	to	1894	Mount Shamrock Gold Mining Company bought the PC & expended large sums on development. A 20-head stamper was erected, along with a chlorination works & small roasting furnace to recover Bi oxide. The company ceased working the mine in 1894.
1895	to	1900	The mine was let on tribute. In 1896, it passed into the hands of an Englishman from whom the Mount Shamrock company had borrowed money. The battery recommenced operations in 1897 and the mine was worked on tribute until 1900.
1901	to	1908	The Mount Shamrock Syndicate erected a cyaniding plant in 1901 and sold off the old machinery. A 10-head battery was erected in 1903. Hard rock ore and tailings were treated up until 1908.
1909	to	1919	The mine was under exemption until 1911, when prospecting work commenced and the plant was repaired. Gold was produced from hard rock ore and by cyaniding tailings up until 1919, when all mining ceased.
1923	to	1925	C Martin commenced operations in 1923 and overhauled the machinery and erected a slimes plant. He treated slimes and crushed surface stone from in and around the mill. The shaft was dewatered down to the winze at the 79.2m level.
1932	to	1933	The mine was dewatered in 1932 to sample the 76.2m level. Mount Shamrock Gold Mines Ltd commenced operations in July 1933. The old crushing plant was removed and a boiler engine, Empire Mill, lighting plant and 5 cyanide vats were erected.
1933	to	1933	Cyaniding of the old tailings commenced in October 1933. The mine was acquired by Commonwealth Gold Development Ltd in November.
1934	to	1936	The mine was dewatered to its lowest level and old stopes were mined. The mine closed in November 1934 pending geological investigations. No work was done after an inspection by JH Reid in 1935.
1947	to	1947	Palmer and Goronszy treated tailings on the Try Again and Same Again claims.

Mining Operations	Comments
OPEN CUT MINING	Glory hole (old PC shaft)
SHAFTS	Main shaft - three compartments, vertical, Capped, with crane set up overhead for hoisting.
ADITS	61m and 86.9m long
UNDERGROUND MINING METHODS	Extensive interconnected workings
STOPING	Stoped above 79.2m level.

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	50026	100.00%	VELLA	Edwin John

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
WANDILLA PROVINCE	Good Night beds / LATE CARBONIFEROUS to LATE CARBONIFEROUS
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Aranbanga Volcanic Group / MIDDLE TRIASSIC to LATE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY-RELATED AURIFEROUS SUBVOLCANIC BRECCIAS AND VEINS

Mineralisation Age

ORE	LATE TRIASSIC

Comments

The old workings are in the north-west corner of the breccia pipe. The south-east wall of the pipe was never intersected.
Sovereign Mining Pty Ltd estimated the remaining resource to be 20,100 to 119,000t at 8 to 12g/t Au.

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486758 **MOUNT TAMBORINE**

ABANDONED MINE

Descriptive Location: NORTH TAMBORINE, WESTS LANE, GNEISSMANN'S QUARRY, PORTION 82, WSTN NORTH TAMBORINE VILLAGE

1:100 000 sheet Number and Name: 9542 BEENLEIGH

Grid Reference: Zone 56 517905 mE 6911276 mN Latitude -27.9232 Longitude 153.1820 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

Mount Tamborine Bauxite Deposit
Geissmann'S Quarry

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Period: 1-Jan-1941 to 31-Dec-1967

BAUXITE 24,172.7 tonnes

Published Reserves/Resources

BR 5474 Published in 1954

MOUNT TAMBORINE

INFERRED MINERAL RESOURCE 1,540,000 tonnes Ore @
1,540,000 Tonnes BAUXITE

Grades 35-41% soluble alumina.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5474	1954	OWEN, H.B.	BAUXITE IN AUSTRALIA.	BUREAU OF MINERAL RESOURCES, BULLETIN NO 24, 15-23.

Major Mining Related Events

Year Commenced Year Completed Comments

Operating Mine Life: 1941 to 1967 BAUXITE MINED TO PRODUCE ALUMINIUM SULPHATE FOR WATER CLARIFICATION.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LAMINGTON VOLCANIC SUBPROVINCE	Beechmont Basalt / EARLY TERTIARY to LATE TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE

Comments

Nodular bauxite consisting of irregular rounded masses of hard bauxite up to several inches across is set in a loose earthy matrix. Nodules have a finely granular texture internally and poor concentric banding.
Bluish grey clay underlies the bauxite and is believed to be of secondary origin. Basalt underlies the bauxite units (Owen 1954). The Tamborine bauxite occurs on the north-west portion of the mountain and occupies the more elevated areas.

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40866 **MOUNT VICTORY**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 28KM NNE OF LYNDBROOK SIDING, 145KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7762 LYNDBROOK

Grid Reference: Zone 55 231513 mE 8054069 mN Latitude -17.5837 Longitude 144.4704 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Victory

Commodities	Size	Size Definition
FLUORITE	SMALL	50 - 50 000 tonnes FL

Production Details

Period: 1-Jan-1922 to 31-Dec-1950

FLUORITE	210.0 tonnes

Published Reserves/Resources

BR 2626 Published in 1945

INFERRED MINERAL RESOURCE

3,000 Tonnes FLUORITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 2626	1945	RIDGWAY, J.E.	FLUORSPAR DEPOSITS, EMUFORD, ALMADEN AND CHILLAGOE DISTRICTS.	QUEENSLAND GOVERNMENT MINING JOURNAL, 46, 326-333.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 15617	100.00%	DIANNE MINING CORPORATION PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Rices Creek Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)	VEIN
DETAILED OREBODY MODEL	FLUORITE-QUARTZ VEINS	

Mineralisation Age

ORE	CARBONIFEROUS

Comments

Multiple phases of purple and clear transluncent fluorite occur as infillings in vughy quartz veins and as replacement of granite fragments in a brecciated granite zone.

The main lode is up to 2m wide and comprises fluorite with brecciated granite clasts.

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38942 **MOUNTAIN MAID**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1.1KM SE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 421470 mE 7779326 mN Latitude -20.0814 Longitude 146.2489 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Central 13 (Mountain Maid)

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1885 to 31-Dec-1905 246 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 3.5 kilograms

Published Reserves/Resources

BR 10151 Published in 2012

MOUNTAIN MAID (C13)

INDICATED MINERAL RESOURCE 247,881 tonnes Ore @ 5.81 g/t GOLD **FOR** 1,440 Kilograms GOLD

Includes probable reserve of 272669t at 5.02g/t Au.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1885	to	1905	

Mining Operations	Comments
SHAFTS	At least 3 shafts
INCLINED SHAFTS / DRIVES	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	10208	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

This resource forms part of the Charters Towers project of Charters Towers Gold Mines N.L. In 2005. However, a review of the Charters Towers project resources failed to mention this resource.

Web Page

http://www.citigold.com.au/

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
COPPER	VERY SMALL	<500 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

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Published Reserves/Resources

BR 9627 Published in 2010

MOUNTAIN MAID

INFERRED MINERAL RESOURCE 72,000,000 tonnes Ore @ 0.23 g/t GOLD **FOR** 16,560 Kilograms GOLD

Comments/Cut Off Factor: 0.1 g/t Au cutoff

Resource calculated over ~680m strike length and to 200m depth

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9627	2010	AXIOM MINING LIMITED	INITIAL MOUNTAIN MAID JORC RESOURCE ESTIMATE.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 10 DECEMBER 2010. AXIOM MINING LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1907	to	1909	

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	
DREDGING	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Nundah Granodiorite / SILURIAN to SILURIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY INTRUSION-RELATED QUARTZ VEINS & STOCKWORKS

Mineralisation Age

ORE LATE CARBONIFEROUS to EARLY PERMIAN

Comments

The geochemical and alteration signature associated with Au mineralisation at Mountain Maid has characteristics comparable to intrusion-related Au systems. There is a spatial link with an interpreted Permo-Carboniferous monzonite porphyry stock (BR 8739).
Drilling results announced in January 2010 confirmed that disseminated gold occurs in felsic porphyry intrusive dykes or stocks and well into the adjacent sericite-quartz altered granodiorite host (BR9451).
Contiguous and significant gold mineralisation has been intersected from surface to vertical depths of at least 250m and for ~600m along strike. Intersections included 83m at 0.47g/t Au, 79m at 0.53g/t Au, 34m at 0.5g/t Au and 39m at 0.49g/t Au.
Drilling results reported by Axiom October 2010: 53 RC holes drilled, 35 holes reported - all 35 holes intersected contiguous and economically significant Au mineralisation from surface to vertical depths of min 250m & along strike for ~800m (BR9573).
March 2010 Axiom announced success in its leach test program for heap leach processing. Intermittet bottle roll tests consisted of 9 composite samples from 5 drill holes selected to be representative of all gold mineralisation types encountered (BR9755).
December 2010 Axiom reported initial inferred resource at Mountain Maid with scoping study underway (BR9757).

Web Page

www.axiom-mining.com

Queensland Minerals

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45165 **MOURILYAN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 67.8 KM SOUTH-EAST OF MALANDA, 90KM SOUTH OF CAIRNS.

1:100 000 sheet Number and Name: 8162 INNISFAIL

Grid Reference: Zone 55 402700 mE 8038403 mN Latitude -17.7394 Longitude 146.0823 Date Recorded: 7/February/2017

Other Names for Deposit / Mine

Mourilyan Silica Sand

Commodities	Size	Size Definition
SILICA SAND	LARGE	>2 500 000 tonnes SIS

Production Details

Published Reserves/Resources

BR 736 Published in 1993

INDICATED MINERAL RESOURCE

99.00 % SILICA SAND **FOR** 10,739,500 Tonnes SILICA SAND

Resource is to a depth of 0.5m and grades >99% Silica.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 736	1993	COOPER, W.	SILICA SAND. QUEENSLAND MINERAL COMMODITY REPORT.	QUEENSLAND GOVERNMENT MINING JOURNAL, 94, 7-15.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17467	100.00%	SOLAR SILICON RESOURCES GROUP PTE LTD
ML	20378	100.00%	MOURILYAN SILICA RESOURCES PTY LTD
ML	20695	100.00%	SOLAR SILICON RESOURCES GROUP PTE. LTD.
ML	20696	100.00%	SOLAR SILICON RESOURCES GROUP PTE. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	PLEISTOCENE to HOLOCENE	Silica sand.

Comments

This deposit extends for 22km over a coast sand plain from Kurrimine in the south to Mourilyan Harbour in the north. It is being investigated by Mourilyan Silica Resources.

Web Page

http://msresources.com.au/index.html

Queensland Minerals

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501293 **MUNDUBBERA GRANITE**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 43.43 KM NE OF AUBURN, 269.86 KM NW OF BRISBANE.

1:100 000 sheet Number and Name: 9046 AUBURN

Grid Reference: Zone 56 296861 mE 7154532 mN Latitude -25.7130 Longitude 150.9754 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Mundubbera

Commodities	Size	Size Definition
BUILDING STONE	LARGE	>10 000 000 tonnes BLST
GRANITE	LARGE	>1 000 000 tonnes GR

Production Details

Published Reserves/Resources

Company Report 29819 Published in 1998 **MUNDUBBERA GRANITE**

INFERRED MINERAL RESOURCE

1,050,000,000 Tonnes GRANITE

350M Cu Metres, pers. com. Mike Charlesworth (Mine Manager) 13/04/2000.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	Worked on three benches by drilling sides of ~20 tonne blocks and lifting out with an excavator.

Tenure Type/Number		SHARE	Company Name/Surname
ML	80054	100.00%	EASTERN STONE & MINERALS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
RAWBELLE BATHOLITH	Delubra Quartz Gabbro / LATE PERMIAN to LATE PERMIAN

Deposit Model

GENERAL OREBODY MODEL INTRUSIVE-RELATED (PORPHYRY-RELATED)

Mineralisation Age

ORE LATE PERMIAN

Comments

Black equigranular gabbro (black granite) is used mainly for ornamental facings, gravestones and bench tops. This deposit has persistant natural fractures that reduce the quality and size of stones able to be extracted.

Mined by close-spaced drilling the back and bottom of blocks and cuttingsides with diamond wire. Black powder was then used to lift and free block before moving with heavy machinery. In May 2000 best quality material was still to be accessed 12m below pit

The best quality blocks sold for $1500 to $2000 per cubic metre. Eighty percent of the material mined was unusable and wasted accessing and removing the gabbro blocks.

Web Page

Queensland Minerals

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42125 **MUNGANA**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 300M SSW OF MUNGANA RLWY HEAD, 140KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 222214 mE 8106769 mN Latitude -17.1067 Longitude 144.3896 Date Recorded: 8/March/2016

Other Names for Deposit / Mine

Northwest Mungana

Mungana Deep Prospect

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	MEDIUM	500 - 5 000 tonnes AG
ZINC	MEDIUM	200 000 - 2 000 000 tonnes ZN
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
LEAD	SMALL	1000 - 100 000 tonnes PB
MOLYBDENUM	SMALL	50 - 5 000 tonnes MO
TUNGSTEN	SMALL	5 - 500 tonnes W

Production Details

Published Reserves/Resources

BR 10071 Published in 2012

MUNGANA (ZINC RESERVE)

INDICATED MINERAL RESOURCE 44,000 tonnes Ore @

124.00 g/t SILVER	**FOR**	5,456 Kilograms SILVER
10.50 % ZINC	**FOR**	4,620 Tonnes ZINC
1.90 % COPPER	**FOR**	836 Tonnes COPPER
0.90 g/t GOLD	**FOR**	228 Kilograms GOLD
0.10 % LEAD	**FOR**	44 Tonnes LEAD

not mined currently

BR 9792 Published in 2011

MUNGANA GOLD

INDICATED MINERAL RESOURCE 19,300,000 tonnes Ore @

10.30 g/t SILVER	**FOR**	198,790 Kilograms SILVER
0.15 % COPPER	**FOR**	28,950 Tonnes COPPER
0.68 g/t GOLD	**FOR**	13,124 Kilograms GOLD

Comments/Cut Off Factor: (AuEq = Au g/t + (Cu% *1.96) + (Ag g/t * 0.0158)

BR 9792 Published in 2011

MUNGANA GOLD

INFERRED MINERAL RESOURCE 13,800,000 tonnes Ore @

8.00 g/t SILVER	**FOR**	110,400 Kilograms SILVER
0.14 % COPPER	**FOR**	19,320 Tonnes COPPER
0.54 g/t GOLD	**FOR**	7,452 Kilograms GOLD

Comments/Cut Off Factor: AuEq = Au g/t + (Cu% *1.96) + (Ag g/t * 0.0158)

BR 9792 Published in 2011

MUNGANA GOLD

MEASURED MINERAL RESOURCE 15,600,000 tonnes Ore @

21.60 g/t SILVER	**FOR**	336,960 Kilograms SILVER
0.29 % COPPER	**FOR**	45,240 Tonnes COPPER
0.87 g/t GOLD	**FOR**	13,572 Kilograms GOLD

Comments/Cut Off Factor: AuEq = Au g/t + (Cu% *1.96) + (Ag g/t * 0.0158)

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10071	2012	KAGARA MINING	OPPORTUNITY TO ACQUIRE KAGARA LIMITED'S NORTH QUEENSLAND ASSETS	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 14 SEPTEMBER 2012 KAGARA MINING, PERTH.
BR 9792	2011	MUNGANA GOLDMINES LTD	ANNUAL REPORT 2011	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 17 OCTOBER 2011. MUNGANA GOLDMINES LTD, BRISBANE.

Queensland Minerals

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1982	to	1985	Amoco Minerals Australia Company obtained anomalous rock chip samples and defined the main anomalous area with soil sampling, magnetics and RAB drilling.
1986	to	1990	RC drilling by Elders Resources Ltd gave mediocre results and a small resource definition.
1992	to	1996	Niugini Mining Ltd drilled 113 diamond and RC holes after reinterpretation of the mineralisation genesis by Nethery. This defined the initial economic resource.
2002	to	2002	Deposit acquired by Kagara Zinc Ltd along with the Red Dome assets. This deposit was the main objective of the Kagara acquisition.
2005			Kagara announce they will develop an exploration decline to the upper levels of the orebody. Excavation commenced in March 2006.

Mining Operations	Comments
DECLINED SHAFTS/DRIVES	Spiral decline commenced by Kagara Zinc in March 2006 to access deeper resources. Portal located at Grid Reference 221847mE 8106305mN.

Tenure Type/Number		SHARE	Company Name/Surname
ML	5176	100.00%	MUNGANA GOLDMINES LTD
ML	5319	100.00%	MUNGANA GOLDMINES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU
GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	BASE METAL SKARN

Mineralisation Age

ORE	LATE CARBONIFEROUS to EARLY PERMIAN	40AR/39Ar date on sericite alteration of ~308Ma (Perkins & Kennedy, 1998). The mineralisation developed from multiple events over the period 320MA to 280Ma (Nethery and Barr, 1996).

Comments

Niugini Mining Ltd originally delineated this prospect, 2.6km north-west of the Red Dome pit. The deposit included a resource amenable to open pit extraction and the Mungana Deep resource, which is below that amenable to open pit extraction.

The project was considered to be only marginally economic by Niugini Mining Ltd, which noted that the complex metallurgy detracted from the marketability of the gold-copper and lead-zinc concentrates that would be produced.

Stoping of the polymetallic ore commenced in the December 2008 quarter. Construction of the Mungana base metal plant was deferred and all ore mined was transported to Mount Garnet for processing.

The Mungana deposit can be categorised as a low sulphidation porphyry Cu-Au skarn deposit developed within carbonate host rocks. The mineralising system is highly telescoped and multiphased, with separate hydrothermal events spanning ~35My. The final overprinting hydrothermal phase can be categorised as a structurally-controlled high sulphidation system (MSc M. Barr)

By December 2007, the decline was 2417m from the portal. A second raise bore, power reticulation and a rising main were also completed. Production from Mungana began in the September quarter, with the polymetallic ore mined during level development.

Kagara Zinc Ltd commenced excavation of an exploration decline to access the upper levels of the high-grade BM1 resource in March 2006. The decline had reached 448m by the end of September 2006.

The decline face was 2988m from the portal by September 2008, with bulk stoping planned for January 2009. The Mungana treatment plant will be put on hold part way through construction in December 2008. The ore will continue to be trucked to Mount Garnet.

In March 2009, Kagara announced that the gold resource contains a probable reserve of 3.2Mt at 1.58g/t Au, 54g/t Ag and 0.48% Cu that is potentially mineable by open cut at a cost of A$300 per ounce.

By the end of the June 2009 quarter, the decline had advanced 3552.2m from the portal and was ~500m below surface. A 12 hole drilling program for further metallurgical test work on the open pit Au-Cu reserve commenced in July 2009.

In January 2011 Mungana Gold Mines released a significant update on resource figures: Total resource at 48.7Mt @ 0.70g/t Au, 0.19% Cu, 13g/t Ag for 1.09Moz Au, 91.8kt Cu, 20.8Moz Ag (BR9603).

In the Annual Report 2009 Kagara reported 46667 tonnes grading 1.65 grams per tonne gold being stockpiled from crosscut development (Mungana underground mine) for future processing through the partially completed gold plant (BR 9353).

In 2009 ore from the Mungana operations is trucked to Mount Garnet where it is blended with ore from the Mt Garnet operation (BR 9353). Mungana Goldmines Lt d was listed in June 2010 to house the gold assets of Kagara Ltd.

In Annual report 2010 Kagara Ltd report early significant drilling results: Hole 995: 69.8m @ 2.39g/t Au, 0.08% Cu & 7g/t Ag from 467m; Hole 992: 41.5m @ 1.35g/t Au, 0.07% Cu & 1g/t Ag from 573m; Hole 993: 10.4m @ 6.5% Cu, 0.89g/t Au & 179g/t Ag from 297m

Mungana Goldmines Ltd changed its name to Atherton Resources Ltd and was delisted following the takeover by Auctus Chillagoe Pty Ltd at the end of 2015.

Web Page

www.munganagoldmines.com.au

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44767 **MUNGUMBY CREEK FLAT**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 2.8 KM EAST OF HELENVALE, 130KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7966 HELENVALE

Grid Reference: Zone 55 312415 mE 8262670 mN Latitude -15.7072 Longitude 145.2495 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Green Ant D.C.

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Published Reserves/Resources

Company Report 10851 Published in 1982

INDICATED MINERAL RESOURCE 434,760 cubic metres Ore @ 0.40 kg/m*3 CASSITERITE **FOR** 174 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Higher grade alluvium occurs along the southern bank of Mungumby Creek, between the creek and high terraces.

Web Page

Queensland Minerals

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487855 **MUNRO HILL**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 15KM WSW OF TULLY.

1:100 000 sheet Number and Name: 8062 TULLY

Grid Reference: Zone 55 373123 mE 8012436 mN Latitude -17.9725 Longitude 145.8018 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BUILDING STONE	LARGE	>10 000 000 tonnes BLST
GRANITE	LARGE	>1 000 000 tonnes GR

Production Details

Published Reserves/Resources

Company Report 25763 Published in 1991 **MUNRO HILL**

INFERRED MINERAL RESOURCE

43,000,000 Tonnes GRANITE

Resource is above the 40m RL where least weathering profile is preserved.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Ingham Granite Complex / LATE CARBONIFEROUS to EARLY PERMIAN

Deposit Model

Mineralisation Age

ORE

Comments

Web Page

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588520 **MUSGRAVE**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 72KM NNE OF WEIPA, 3KM E OF MUSGRAVE BAY (SOUTH BANK OF DUCIE RIVER)

1:100 000 sheet Number and Name: 7373 AGNEW

Grid Reference: Zone 54 614372 mE 8667472 mN Latitude -12.0520 Longitude 142.0508 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

BR 10403 Published in 2014 **MUSGRAVE**

INDICATED MINERAL RESOURCE 2,200,000 tonnes Ore @
1,600,000 Tonnes BAUXITE

Comments/Cut Off Factor: average grade of 52.8% (Al_2O_3), 11.2% (SiO_2), and 6.4% RxSi at 150 degrees celsius.
In-situ dry tonnes; beneficiated ore in resource commodity figure

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10403	2014	CAPE ALUMINA PTY LTD	2014 ANNUAL REPORT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 24 OCTOBER 2014. CAPE ALUMINA PTY LTD, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
EPM 15984	100.00%	CAPE ALUMINA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

Mineralisation Age

BAUXITE

Comments

Web Page

http://www.capealumina.com.au/

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487169 **MYORA**

CARE AND MAINTENANCE

Descriptive Location: 2KM N OF DUNWICH, NORTH STRADBROKE ISLAND, 40KM EAST OF BRISBANE.

1:100 000 sheet Number and Name: 9543 BRISBANE

Grid Reference: Zone 56 543740 mE 6960748 mN Latitude -27.4760 Longitude 153.4427 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
SILICA SAND	LARGE	>2 500 000 tonnes SIS
RUTILE	SMALL	2 000 - 200 000 tonnes RUT
ILMENITE	VERY SMALL	<5 000 tonnes IM

Production Details

Period: 1-Jul-1996 to 30-Jun-2010

SILICA SAND	5,620,963.5 tonnes
RUTILE	5,595.4 tonnes
ILMENITE	3,548.0 tonnes

Published Reserves/Resources

ML 7065

INFERRED MINERAL RESOURCE

10,000,000 Tonnes SILICA SAND

David Carmichael, DME, personal communication.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1124	100.00%	ACI OPERATIONS PTY LTD
ML	7064	100.00%	ACI OPERATIONS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE PLEISTOCENE to HOLOCENE

Comments

The Myora mine is currently owned by ACI Operations Pty Ltd and is producing silica sand used for glass manufacturing. The mine has not produced since 2010.

Web Page

http://www.aci.com.au/aciwww.nsf/

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495853 **NAGOORIN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 55KM SW GLADSTONE

1:100 000 sheet Number and Name: 9149 CALLIOPE

Grid Reference: Zone 56 330160 mE 7303702 mN Latitude -24.3707 Longitude 151.3255 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
OIL SHALE	LARGE	> 1 000 000 000 barrels OSH

Production Details

Published Reserves/Resources

BR 7037 Published in 2002

INDICATED MINERAL RESOURCE 1,700,000,000 tonnes Ore @ 90.00 l/t OIL **FOR** 700,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at zero % moisture.

BR 7037 Published in 2002

INFERRED MINERAL RESOURCE 3,000,000,000 tonnes Ore @ 95.00 l/t OIL **FOR** 1,300,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at zero % moisture.

BR 7037 Published in 2002

MEASURED MINERAL RESOURCE 900,000,000 tonnes Ore @ 92.00 l/t OIL **FOR** 400,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/T at zero % moisture cutoff.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7037	2002	SOUTHERN PACIFIC PETROLEUM NL	SOUTHERN PACIFIC PETROLEUM NL ANNUAL REPORT 2002	SOUTHERN PACIFIC PETROLEUM NL

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
MDL	234	25.00%	CENTRAL PACIFIC MINERALS NL
MDL	234	25.00%	LAGUNA RESOURCES NL
MDL	234	25.00%	ESPERANCE MINERALS LIMITED
MDL	234	25.00%	GREENVALE ENERGY NL

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NAGOORIN GRABEN	Nagoorin beds / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL OIL SHALE

Mineralisation Age

ORE TERTIARY Oil shale.

Comments

Testwork indicated that recoveries of up to 400 litres per ton are possible using solvent extraction.
This project is now owned by Queensland Energy Resources Ltd.

Web Page

www.qer.com.au

Queensland Minerals

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495864 **NAGOORIN SOUTH**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 60KM SW GLADSTONE.

1:100 000 sheet Number and Name: 9149 CALLIOPE

Grid Reference: Zone 56 332141 mE 7295880 mN Latitude -24.4415 Longitude 151.3441 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
OIL SHALE	MEDIUM	10 000 000 - 1 billion barrels OSH

Production Details

Published Reserves/Resources

BR 7037 Published in 2002

INDICATED MINERAL RESOURCE 200,000,000 tonnes Ore @ 78.00 l/t OIL **FOR** 100,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50 L/t at zero % moisture.

BR 7037 Published in 2002

INFERRED MINERAL RESOURCE 900,000,000 tonnes Ore @ 81.00 l/t OIL **FOR** 300,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50 L/t at zero % moisture.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7037	2002	SOUTHERN PACIFIC PETROLEUM NL	SOUTHERN PACIFIC PETROLEUM NL ANNUAL REPORT 2002	SOUTHERN PACIFIC PETROLEUM NL

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
MDL 178	100.00%	QUEENSLAND ENERGY RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NAGOORIN GRABEN	Nagoorin beds / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL OIL SHALE

Mineralisation Age

ORE TERTIARY Oil shale.

Comments

This resource is part of the Stuart Oil Shale project and is now owned by Queensland Energy Resources Ltd.

Web Page

www.qer.com.au

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537130 **NAIRANA**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 29.9KM NORTH OF BULLIWALLAH HOMESTAED

1:100 000 sheet Number and Name: 8254 BULLIWALLAH

Grid Reference: Zone 55 489228 mE 7597256 mN Latitude -21.7281 Longitude 146.8958 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Nairana Gypsum Prospect

Commodities	Size	Size Definition
GYPSUM	SMALL	5 000 - 5 000 000 tonnes GYP

Production Details

Published Reserves/Resources

Company Report 30669 Published in 1999 **NAIRANA GYPSUM PROSPECT**

INFERRED MINERAL RESOURCE 20,000 tonnes Ore @
20,000 Tonnes GYPSUM

This is an estimate.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*

Deposit Model

GENERAL OREBODY MODEL RESIDUAL DEPOSIT

Mineralisation Age

ORE CENOZOIC

Comments

Gypsum appears in soils and as float in the creek. "The gypsum is of superior grade and has similar short term solubility characteristics to other natural gypsum products aviliable in north Queensland" - ERMS 30669.

Web Page

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479132 **NANCY LEE**

ABANDONED MINE

Descriptive Location: 6.2 KM NW OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 627321 mE 7991464 mN Latitude -18.1620 Longitude 142.2037 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Iron Duke

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1887 to 31-Dec-1908 9,656 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 513.9 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

The Nancy Lee is a branch of the Golden Gate reef and strikes 130 degrees and dips 25 to 35 degrees northeast. Mines along here worked both the Nancy Lee and Golden Gate reefs, as well as near-vertical quartz leaders such as the Iron Duke reef and the Bu tcher Boy and Magpie leaders. The main zone stoped measured 230 m along strike, 110 m down dip, and was payable to ~60 m depth. Pancontinental Mining Ltd drilled 12 RAB holes (254 m) to test the southern extension of the Nancy Lee reef 300 m south of the known exposure. The reef here is not well developed and has a maximum true width of 4 m and average dip of 23 degrees. All intercepts were essentially barren of gold, the highest assay result being 0.46 g/t Au.

A hanging wall quartz vein stockwork assayed 3.84 g/t Au. The production figures given include production from the Golden Gate 9S Block to 12S Block, Golden Gate and Nancy Lee Consols, Iron Duke P.C., P.C. Block, 1N and 1S, Iron Duke and Nancy Lee P.C., Block, Extended, 1S, 7S and 8S, Iron Duke and Banner of Freedom Block, Nancy Lee P.C., Block, Consols, Extended, Ltd, 1N, 2N, 1S to 3S, 5S, 6S and United, Nancy Lee and Iron Duke P.C., Pig and Whistle, and Denmark P.C., Extended and 1S, and Walsh's Block.

Web Page

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496394 **NANDROYA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 2.5KM SOUTH OF COOROY, ON WESTERN SIDE OF BRUCE HIGHWAY.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 491611 mE 7075638 mN Latitude -26.4394 Longitude 152.9159 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Nandroya 2

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jul-1999 to 30-Jun-2000

BRICK CLAY 76,392.0 tonnes

Period: 1-Jul-2000 to 30-Jun-2001

BRICK CLAY 64,456.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	3696	100.00%	ROBERTS BROS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Kulangoor Member/a / LATE TRIASSIC to LATE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	CENOZOIC

Comments

Web Page

www.csr.com.au

Queensland Minerals

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488030 **NEALE'S**

ABANDONED MINE

Descriptive Location: 1KM NE OF COOROY TOWN CENTRE.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 491881 mE 7079754 mN Latitude -26.4023 Longitude 152.9186 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

White
Azzopardi
Pgh Cooroy

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jul-2007 to 30-Jun-2009

BRICK CLAY 47,828.0 tonnes

Published Reserves/Resources

Company Report 26189 Published in 1994

INFERRED MINERAL RESOURCE

129,000 Tonnes BRICK CLAY

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	3672	100.00%	CSR BUILDING PRODUCTS LIMITED
ML	3673	100.00%	CSR BUILDING PRODUCTS LIMITED
ML	3705	100.00%	CSR BUILDING PRODUCTS LIMITED
ML	3718	100.00%	CSR BUILDING PRODUCTS LIMITED
ML	3729	100.00%	CSR BUILDING PRODUCTS LIMITED
ML	50078	100.00%	CSR BUILDING PRODUCTS LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARYBOROUGH BASIN	Myrtle Creek Sandstone / JURASSIC to JURASSIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE CENOZOIC

Comments

Two classes of clay material WERE produced from the pits in this area. "White" material fires white, has a shrinkage of 3-5% and is 62-75% clay. "East Bank" material fires to a colour called greenwood, has a shrinkage 0-2% and comprises 30-40% clay.
The Cooroy Brickworks closed in July 2010.

Web Page

www.csr.com.au

Queensland Minerals

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40052 **NEARDIE**

ABANDONED MINE

Descriptive Location: 20.7 KM NNE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 473405 mE 7122675 mN Latitude -26.0145 Longitude 152.7342 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ANTIMONY	SMALL	50 - 5 000 tonnes SB
ZINC	VERY SMALL	<200 tonnes ZN
MERCURY	VERY SMALL	<3 tonnes HG
SILVER	VERY SMALL	<5 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1873 to 31-Dec-1971 1,162 tonnes HARD ROCK ORE (OR REEF)

ANTIMONY

Published Reserves/Resources

BR 2820 Published in 1974

NEARDIE - E AND W OF WORKINGS

INFERRED MINERAL RESOURCE 4,064 tonnes Ore @ 1.50 % ANTIMONY **FOR** 60 Tonnes ANTIMONY

BR 2820 Published in 1974

NEARDIE - IN OLD WORKINGS

INFERRED MINERAL RESOURCE 1,524 tonnes Ore @ 5.00 % ANTIMONY **FOR** 76 Tonnes ANTIMONY

BR 2820 Published in 1974

NEARDIE - STOPE FILL

INFERRED MINERAL RESOURCE 7,112 tonnes Ore @ 2.49 % ANTIMONY **FOR** 177 Tonnes ANTIMONY

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 2820	1974	SIEMON, J.E.	NEARDIE ANTIMONY DEPOSITS, GYMPIE.	GEOLOGICAL SURVEY OF QUEENSLAND, REPORT 82.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Kin Kin beds / MIDDLE TRIASSIC to MIDDLE TRIASSIC
KIN KIN SUBPROVINCE	

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)	VEIN
DETAILED OREBODY MODEL	SIMPLE SB (QUARTZ-STIBNITE TYPE)	

Mineralisation Age

ORE EARLY TRIASSIC

Queensland Minerals

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Comments

At least four main lodes have been defined. In 1970, Australian Antimony Corporation NL tested the deposit with eight underground diamond holes for 321.5m and five underground sludge holes for 131.7m.

In 1972, the Queensland Department of Mines tested the deposit with four diamond holes for 573.7m. The 7000t of stope fill estimated to grade 2.5% Sb may not be recoverable.

In comparison with the Eskdale and Banshee lodes, these deposits are silica-poor. Mineralised shear zones in the workings strike 155-180 degrees, but are generally trangressive with respect to the dip.

The higher grade ore sections are lenticular bodies, located at changes in dip and strike of the shear zones. The main focus of ore concentration is where the dip steepens to vertical and the strike is northerly.

Concentration is favoured by the presence of diorite sills and by faulting of fine-grained sediments against coarse-grained sediments.

Oreshoots plunge 40-45 deg north, except in the southern workings where the plunge is somewhat flatter (Siemon, 1974).

The Mines Department drilling located additional antimony mineralisation to the east and west of the main lode between the 35m and 101m levels.

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512592 **NED KELLY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 93KM NE OF MOUNT ISA, 14.6KM EAST OF GERETA HOMESTEAD.

1:100 000 sheet Number and Name: 6857 PROSPECTOR

Grid Reference: Zone 54 393598 mE 7785327 mN Latitude -20.0259 Longitude 139.9827 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

BR 8922 Published in 2008

INDICATED MINERAL RESOURCE 95,000 tonnes Ore @ 1.00 % COPPER **FOR** 950 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8922	2008	MATRIX METALS LIMITED	ANNUAL REPORT 2008.	MATRIX METALS LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	One underlie shaft.

Tenure Type/Number		SHARE	Company Name/Surname
ML	90101	100.00%	MALACO LEICHHARDT PTY LTD
ML	90142	100.00%	MALACO LEICHHARDT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE	PROTEROZOIC

Comments

Web Page

www.matrixmetals.com.au

Queensland Minerals

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493694 **NETTLE CREEK**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: DEPOSIT EXTENDS FROM INNOT HOT SPRINGS SOUTH FOR 6KM, 90KM SW CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 313894 mE 8043046 mN Latitude -17.6917 Longitude 145.2453 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Nettle Creek South Dredge 2
Nettle Creek Deep Lead
Nettle Creek South Tailings

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Published Reserves/Resources

BR 8651 Published in 2008

NETTLE CREEK DEEP LEAD

INFERRED MINERAL RESOURCE 5,000,000 cubic metres Ore @ 500.00 g/m*3 CASSITERITE **FOR** 2,500 Tonnes CASSITERITE

BR 6053 Published in 1999

NETTLE CREEK SOUTH DREDGE

INDICATED MINERAL RESOURCE 1,300,000 cubic metres Ore @ 90.00 g/m*3 CASSITERITE **FOR** 117 Tonnes CASSITERITE

Nettle Creek South Tailings has an inferred resource of 30,000,000 cubic metres but no grade was given (BR 6053).

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.
BR 8651	2008	CONSOLIDATED TIN MINES LTD	THIRD QUARTER ACTIVITIES AND CASHFLOW REPORT.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 28 APRIL 2008. CONSOLIDATED TIN MINES LTD, CAIRNS.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
DREDGING	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14185	100.00%	CONSOLIDATED TIN MINES LIMITED
ML	4069	100.00%	CTM ALLUVIAL MINING PTY LTD
ML	4073	100.00%	CTM ALLUVIAL MINING PTY LTD
ML	4074	100.00%	CTM ALLUVIAL MINING PTY LTD
ML	20584	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN
DETAILED OREBODY MODEL	DEEP LEAD PLACER SN

Mineralisation Age

ORE CENOZOIC

Comments

A cassiterite-bearing deep lead occurs beneath 14 to 20m of basalt cover.

Web Page

www.consolidatedtinmines.com.au

Queensland Minerals

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560068 **NETTLE CREEK NORTH**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 12.5KM NE OF MOUNT GARNET

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 310914 mE 8050669 mN Latitude -17.6226 Longitude 145.2178 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Nettle Creek North Tin
Innot Hot Springs
Nettle Creek

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Published Reserves/Resources

BR 6053 Published in 1999

NETTLE CREEK NORTH

INFERRED MINERAL RESOURCE 5,000,000 cubic metres Ore @ 550.00 g/m*3 CASSITERITE **FOR** 2,750 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
DREDGING	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14185	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC SEDIMENTARY COVER	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC	Alluvium.

Comments

Web Page

Queensland Minerals

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42577 **NEVER CAN TELL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 16.5 KM NE OF MT GARNET, 85KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 308264 mE 8059169 mN Latitude -17.5456 Longitude 145.1936 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Period: 1-Jan-1905 to 31-Dec-1966 342 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 7.4 tonnes

Published Reserves/Resources

Company Report 1655 Published in 1965

INFERRED MINERAL RESOURCE 15,000,000 tonnes Ore @ 0.20 % CASSITERITE **FOR** 30,000 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14185	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)
DETAILED OREBODY MODEL	GREISEN

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

The mine is at the intersection of two major shear zones - one striking 055 degrees and the other 120 degrees. These extensive workings are about 50m up the north-western bank of the creek.

Cassiterite occurs as crystalline aggregates in euhedral and anhedral buck quartz veins in slightly chloritic metasiltstone.

Web Page

www.consolidatedtinmines.com.au

Queensland Minerals

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38464 **NEVILLE**

ABANDONED MINE

Descriptive Location: 1.6KM SSE OF KOORBOORA SIDING.

1:100 000 sheet Number and Name: 7863 CHILLAGOE

Grid Reference: Zone 55 267143 mE 8075169 mN Latitude -17.3972 Longitude 144.8082 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Gareth

Galahad

Commodities	Size	Size Definition
TUNGSTEN	MEDIUM	500 - 10 000 tonnes W
TIN	VERY SMALL	<100 tonnes SN

Production Details

Period: 1-Jan-1904 to 31-Dec-1919 9,100 tonnes HARD ROCK ORE (OR REEF)

WOLFRAMITE 590.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14028	100.00%	TROPICAL METALS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	WOLFRAM VEINS

Mineralisation Age

ORE	CARBONIFEROUS	~300Ma (Morrison & Beams, 1995)

Comments

The Neville was the richest wolframite mine in the Koorboora area. Wolframite occurs in a spiralling quartz pipe.

Web Page

www.qol.com.au

Queensland Minerals

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38750 **NEW QUEEN CROSS LODE**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 1.9KM E OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 424328 mE 7779689 mN Latitude -20.0782 Longitude 146.2763 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Queen Cross
New Queen Central
Queen Cross South
Victoria And Queen
Band Of Hope
Victoria And Caledonia Block
No. 7 Ne Queen

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Period: 1-Jan-1873 to 31-Dec-1910 102,621 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 5,754.1 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1873	to	1910	Main production obtained from lode during this period.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	Worked by numerous shafts (at least 6)
INCLINED SHAFTS / DRIVES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	10208	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Web Page

Queensland Minerals

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40076 **NEW ZEALAND P.C.**

ABANDONED MINE

Descriptive Location: 0.9 KM ESE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467101 mE 7102806 mN Latitude -26.1938 Longitude 152.6707 Date Recorded: 5/November/2007

Other Names for Deposit / Mine

Maori Tribute

O'Donohues New Zealand P.C. Tribute

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1868 to 31-Dec-1920 16,000 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,227.7 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

This mine was also known as the 'Original New Zealand P.C.'. Rands (1889) reported the New Zealand reef to have been the most productive of those worked. The Annie reef, to the west of the New Zealand reef, and the March reef were also worked.

This was a very productive mine and operated continuously in its early years. From 1880 onwards, much work was done by tributers and production was more intermittent.

In the period 1895 to 1898, at least two groups were working concurrently on the lease (GML 850). One of these groups worked from the Great New Zealand shaft in 1898.

Web Page

www.bukagold.com.au

Queensland Minerals

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40080 **NICHOLLS**

ABANDONED MINE

Descriptive Location: 3.1 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468169 mE 7100779 mN Latitude -26.2121 Longitude 152.6814 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

New Nicholls

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period: 1-Jan-1870 to 31-Dec-1925 42,400 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,185.1 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 50114	100.00%	GYMPIE ELDORADO MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

In 1924-1925, the New Nicholls Gold Mining Syndicate reopened the main (eastern) shaft to prospect for payable reefs in the "Phoenix slates" on the northern side of the Inglewood dyke.

There were two main producing shafts on the 'Nicholls' lease but available information does not differentiate their production. However, early production is known to have come from the western shaft (GR 680005; MGA66) which accessed the Inglewood reef.

The main (or eastern) shaft (GR 681006; MGA66) provided access to the Monkland, Glanmire, No. 2 (old Eastern), Great Eastern and other unnamed reefs. All except the Monkland reef carried payable gold grades (Rands, 1889).

The Glanmire reef was described as 'small', but averaged 31g/t Au in greywacke below the slate. A 0.3m wide unnamed reef close to the shaft at the 134m level carried up to 218g/t Au. Slate host rock occurred in the shaft from 73 to 134m depth.

It had a strike of 022 degrees and dipped east-south-east at 22 degrees. Rands (1895) reported on workings on the Great Eastern reef, which apparently branches in the southern part of the lease.

The 'Nicholls' mine was considered 'disappointing', despite the abundance of favourable host rocks, owing to the small size of the reefs. 'Colours' of gold were found at several locations but little payable gold was seen owing to the patchy nature of the reef(s).

Web Page

www.bukagold.com.au

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41716 **NIGHTFLOWER**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 37KM WEST OF MOUNT MULLIGAN, 125KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7864 MOUNT MULLIGAN

Grid Reference: Zone 55 236814 mE 8135669 mN Latitude -16.8474 Longitude 144.5301 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Don Lease
Argentum Mines
Digger Lode

Commodities	Size	Size Definition
LEAD	SMALL	1000 - 100 000 tonnes PB
ZINC	SMALL	200 - 200 000 tonnes ZN
SILVER	SMALL	5 - 500 tonnes AG
ANTIMONY	VERY SMALL	<50 tonnes SB
GOLD	VERY SMALL	<0.5 tonnes AU
INDIUM		
MERCURY	VERY SMALL	<3 tonnes HG

Production Details

Period: 1-Jan-1923 to 31-Dec-1930 1,234 tonnes HARD ROCK ORE (OR REEF)

LEAD	METAL	305.0 tonnes
SILVER		1,123.0 kilograms
GOLD	BULLION	0.6 kilograms

Published Reserves/Resources

BR 8863 Published in 2008

NIGHTFLOWER

INFERRED MINERAL RESOURCE 215,534 tonnes Ore @

193.00 g/t SILVER	**FOR**	41,598 Kilograms SILVER
4.91 % LEAD	**FOR**	10,582 Tonnes LEAD
2.20 % ZINC	**FOR**	4,741 Tonnes ZINC
0.15 % COPPER	**FOR**	323 Tonnes COPPER

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8863	2008	AXIOM MINING LIMITED	AXIOM'S FIRST RESOURCE ESTIMATE NIGHTFLOWER PROJECT NORTH QUEENSLAND	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 26 SEPTEMBER 2008. AXIOM MINING LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname	Christian Name
EPM 12345	100.00%	LAING	William Peter

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Nightflower Dacite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL

Mineralisation Age

ORE	LATE CARBONIFEROUS to EARLY PERMIAN	299-308Ma.

Comments

This mineralisation is located on the Nightflower Fault. Stockworks of sulphide-bearing veins grade outwards into thinner and less mineralised quartz-pyrite veinlets that have developed marginal to the lode.

In January 2009, Axiom withdrew from the option to acquire the Nightflower project due to weak Pb and Zn prices and market conditions (BR9752).

Axiom Mining announced an initial resource for the Nightflower Project in September 2008, with an inferred resource contained within the "Digger Lode".

Drill results announced in 2008 included 1.9m at 3.32%Pb, 0.86% Zn, 164.4g/t Ag, 0.56% Cu and 0.18g/t Au from 152.3m, 2m at 2.79% Pb, 1.15% Zn, 158.7g/t Ag, 0.33% Cu and 0.34g/t Au from 151m and 2.3m at 1.58g/t Au from 154m.

Three holes drilled under the Dept of Mines and Energy's Collaborative Drilling Initiative all intersected the Digger Lode at depth, but did not penetrate the postulated basement contact or reveal signs of a deeper intrusive porphyry source (BR 8739).

Axiom Mining Ltd negotiated an 18 month option over the Nightflower tenements in January 2008.

Web Page

www.axiom-mining.com; www.laingex.com

Queensland Minerals

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480119 **NIL DESPERANDUM**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1.9 KM NNW OF FORSAYTH.

1:100 000 sheet Number and Name: 7660 FORSAYTH

Grid Reference: Zone 54 774161 mE 7944676 mN Latitude -18.5708 Longitude 143.5975 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period: 1-Jan-1878 to 31-Dec-1942 12,596 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	625.0 kilograms
GOLD	FINE	4.5 kilograms
SILVER		7.1 kilograms
LEAD	METAL	2.6 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14498	100.00%	AUSTRALIA UNITED MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Forsayth Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	BASE METAL (POLYMETALLIC)

Mineralisation Age

ORE PALAEOZOIC

Comments

Union Mining NL excavated a 90m long open cut on the reef in 1996-1997. Production figures are not available.

Web Page

www.altiusmining.com.au

Queensland Minerals

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493587 **NINE MILE CREEK**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 17 KM WEST OF KUNWARARA,160KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8852 MARLBOROUGH

Grid Reference: Zone 55 803986 mE 7460805 mN Latitude -22.9332 Longitude 149.9639 Date Recorded: 16/December/2015

Other Names for Deposit / Mine

Northern Lode

Commodities	Size	Size Definition
CHROMITE	SMALL	100 - 10 000 tonnes CHR

Production Details

Published Reserves/Resources

BR 5661 Published in 1985

INFERRED MINERAL RESOURCE

7,600 Tonnes CHROMITE

The grade of this ore was not reported.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5661	1985	PRATT, R.	AUSTRALIA'S CHROMITE RESOURCES.	AUSTRALIAN MINERAL INDUSTRY QUARTERLY, 36 (4) 1983, 117-132.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARLBOROUGH PROVINCE	Princhester Serpentinite / NEOPROTEROZOIC to EARLY PALAEOZOIC

Deposit Model

GENERAL OREBODY MODEL	MAFIC VOLCANIC RELATED DEPOSIT
DETAILED OREBODY MODEL	PODIFORM CHROMITE (ALPINE TYPE)

Mineralisation Age

ORE	EARLY PALAEOZOIC

Comments

Web Page

Queensland Minerals

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486809 **NINGI D SAND**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 11KM E OF CABOOLTURE, 35KM NORTH OF BRISBANE.

1:100 000 sheet Number and Name: 9543 BRISBANE

Grid Reference: Zone 56 505474 mE 7002375 mN Latitude -27.1009 Longitude 153.0552 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
SILICA SAND	MEDIUM	1 000 000 - 2 500 000 tonnes SIS

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
MDL 263	100.00%	PACIFIC SILICA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	CENOZOIC	Silica sand.

Comments

Web Page

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

481693 **NOLAN'S**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1.6KM SE OF RAVENSWOOD

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 489636 mE 7776202 mN Latitude -20.1112 Longitude 146.9009 Date Recorded: 20/December/2016

Other Names for Deposit / Mine

Luna
Black Streak
Beautiful Star Reef
New Zealand Reef
Sarsfield
Nolan'S North
Lord Clyde
Nolans
Nolan'S Jv
Caledonian
Welcome
Red Streak
La Perouse
Painui
Inkerman Reef

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1880	to	31-Dec-1928		1,811 tonnes KNOWN HISTORIC PRODUCTION
GOLD				BULLION	81.3 kilograms
Period:	1-Jul-1996	to	30-Jun-1997		
GOLD				FINE	3,917.1 kilograms
SILVER					1,010.0 kilograms
Period:	1-Jul-1997	to	30-Jun-1998		
GOLD				FINE	3,288.8 kilograms
SILVER					806.1 kilograms
Period:	1-Jul-1998	to	30-Jun-1999		
GOLD				BULLION	3,830.5 kilograms
Period:	1-Jul-1999	to	30-Jun-2000		2,735,410 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	4,473.9 kilograms
Period:	1-Jul-2000	to	30-Jun-2001		
GOLD				BULLION	1,683.8 kilograms
Period:	1-Jul-2001	to	30-Jun-2002		
GOLD				BULLION	1,320.7 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1995	to	2001	Mined by Nolan's JV between Hamoa Mining NL and Carpentaria Gold Pty Ltd. The JV ended in May 2001 when Haoma deepened and widened the pit to mining lease boundary.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
DECLINED SHAFTS/DRIVES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1394	100.00%	CARPENTARIA GOLD PTY. LTD.
ML	1682	100.00%	CARPENTARIA GOLD PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Jessop Creek Tonalite / LATE SILURIAN to LATE SILURIAN

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Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE

Comments

The gold mineralisation occurs associated with veining and brecciation in the Jessops Creek Tonalite within the eastern part of the Ravenswood Batholith. Alteration and vein filling consist of multiple overprinted phases.
The main gold bearing phase is characterised by phyllic alteration with gold occuring on grain boundaries and in fractures within sulphides. The highest grade mineralisation is within sphlaerite and arsenopyrite.
In 2016 Resolute Mining is planning an 13-year extension project which will extend the mine life to at least 2029, and will boost average annual production to 120000 oz of Au. A feasibility study for the project was released in September 2016.

Web Page

http://www.resolute-ltd.com.au/

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501294 **NORMANBY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1.1KM WSW OF MOUNT PERRY

1:100 000 sheet Number and Name: 9247 MOUNT PERRY

Grid Reference: Zone 56 361948 mE 7214757 mN Latitude -25.1769 Longitude 151.6300 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Palmer
New Hit
Normanby Lode - Normanby Copper Mine
Native Copper

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1906 to 31-Dec-1909		17,767 tonnes HARD ROCK ORE (OR REEF)		
COPPER	METAL	1,545.4 tonnes	8.70 percent	
GOLD	FINE	67.2 kilograms	3.78 grams per tonne	
SILVER		2,166.7 kilograms	121.95 grams per tonne	
Period: 1-Jan-1917 to 31-Dec-1919		89 tonnes HARD ROCK ORE (OR REEF)		
COPPER	METAL	15.0 tonnes	16.90 percent	
GOLD	FINE	0.0 kilograms	0.18 grams per tonne	
SILVER		3.0 kilograms	33.66 grams per tonne	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1871	to	1875	The Normanby Company was established by the end of 1871, with Captain Hosking as mine manager. The company worked the Palmer, Moore and Graham shafts and Frazers Tunnel. Copper was sent to Maryborough.
1875	to	1875	The Normanby Company was restructured as the New Normanby Copper Mining Company in 1875.
1904	to	1911	The Queensland Copper Company Ltd acquired the Mineral Freehold in 1904 and began work on the Palmer Shaft. By 1907, the Palmer shaft was the largest single copper producer on the field. The mine closed down in July 1911 due to poor prices.
1912	to	1919	In 1912, the Native Copper Shaft was deepened to 151.5m and the smelters resumed operations. Drives connected the Native Copper and Palmer shafts. Tributers worked the mine from 1915 to 1919, when the machinery and buildings were sold.
1922	to	1923	Dunn and son excavated a 60.6m long adit, with a 14.2m deep shaft near the portal, at their New Hit mine above the Palmer Shaft.

Mining Operations	Comments
SHAFTS	
ADITS	
UNDERGROUND MINING METHODS	
STOPING	
PITS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
MDL 265	100.00%	BELANDA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Tenningering Granodiorite / LATE PERMIAN to LATE PERMIAN

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Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY INTRUSION-RELATED QUARTZ VEINS & STOCKWORKS

Mineralisation Age

ORE	PERMIAN to TRIASSIC

Comments

The deposit consists of a narrow quartz sulphide vein that dips steeply south-east in the Tenningering Granodiorite. The listed resource is contained in dumps from old workings; some in situ material of relatively high grade remains.

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481453 **NORTH ARM**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 12.5 KM N OF NAMBOUR, 95KM NORTH OF BRISBANE.

1:100 000 sheet Number and Name: 9444 NAMBOUR

Grid Reference: Zone 56 496755 mE 7067925 mN Latitude -26.5091 Longitude 152.9674 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

North Arm Mine Group
Golden Surprise
Grice'S
Mcmahon'S
Kildey'S
Hidden Treasure
Quincey
Big Reef
Coolum
Golden Wonder
Bonanza

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1931 to 31-Dec-1939 — 15,025 tonnes KNOWN HISTORIC PRODUCTION

GOLD	FINE	605.0 kilograms
SILVER		324.4 kilograms

Period: 1-Jul-1997 to 30-Jun-1998

GOLD	METAL	0.2 kilograms
SILVER		0.6 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments
2004		Mine site liquidated in Oct 2004.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	North Arm Volcanic Group / LATE TRIASSIC to LATE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE	TRIASSIC

Comments

Mining in the 1990s was based on a measured resource of 904 000t at 1.17g/t Au, using a 0.5g/t Au cut-off (ERMS 24130). Papillon Mining and Exploration is in liquidation and all activities have ceased.

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38753 **NORTH AUSTRALIAN LODE**

ABANDONED MINE

Descriptive Location: 1.3KM SW OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 421668 mE 7778833 mN Latitude -20.0859 Longitude 146.2508 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

P.C. Reef
North Australian P.C. Reef
Mosman
Mosman'S Gold Mines
North Australian Nos. 1 To 5 Claims
No. 7 North Australian

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1875 to 31-Dec-1897 26,311 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,650.2 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	
INCLINED SHAFTS / DRIVES	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 15964	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	ODg/d-Ravenswood Batholith / ORDOVICIAN to DEVONIAN
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

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544733 **NORTH BUNDABERG BRICKWORKS PIT**

ABANDONED MINE

Descriptive Location: 2.7KM WNW OF BUNDABERG

1:100 000 sheet Number and Name: 9348 BUNDABERG

Grid Reference: Zone 56 431355 mE 7250275 mN Latitude -24.8609 Longitude 152.3205 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Clay Pits

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jan-1953 to 31-Dec-1958 8,111 cubic metres SOIL/REGOLITH

BRICK CLAY 8,111.0 tonnes

Period: 1-Jan-1962 to 31-Dec-1962 10 cubic metres SOIL/REGOLITH

BRICK CLAY 10.2 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1953	to	1958	WORKED BY BOMFORD, BAKER AND BUST (NORTH BUNDABERG BRICKWORKS)
1959	to	1967	TAKEN OVER BY V VANDENBERG

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC SEDIMENTARY COVER	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	QUATERNARY

Comments

This old clay pit (ML 30 Clay Pit") has been filled in. It was on the north bank of the Burnett River.

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38238 **NORTH WATSON**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 19.1 KM NNE OF AURUKUN MISSION.

1:100 000 sheet Number and Name: 7271 AURUKUN

Grid Reference: Zone 54 588121 mE 8540166 mN Latitude -13.2039 Longitude 141.8133 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Aurukun Bauxite Project

Emu

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

Company Report 11482 Published in 1983

INFERRED MINERAL RESOURCE 71,000,000 tonnes Ore @
71,000,000 Tonnes BAUXITE

Comments/Cut Off Factor: Grading 51.4 to 53.5% total alumina and 8.0 to 8.5% reactive silica.
Dry unbeneficiated in situ bauxite

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

Part of RA315: In 2006 CHALCO won right to submit final proposal for development and were granted MDL378. CHALCO planned to invest $3 billion in a 6.5MT/a bauxite mine and 2.1Mt/a alumina refinery on Qld east coast, but pulled out subsequently.
Since CHALCO pulled out the Aurukun bauxite resource has returned to Qld Government control and a developer for the bauxite deposit is being sought through a competitive expression of interest process in 2013.
In 1967, Comalco Aluminium Ltd carried out exploration work at this deposit under EPM 320. A total of 57 drillholes (total depth 230m) was completed in the area.
The bauxite has a higher silica content than Weipa bauxite and would require a higher consumption of caustic soda for processing. This deposit is part of the Aurukun Bauxite Project which was under tenure by the Chinese company Chalco in 2006.

Web Page

www.coordinatorgeneral.qld.gov.au;

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488012 **NORTON**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 8.6 KM NE OF NAGOORIN

1:100 000 sheet Number and Name: 9149 CALLIOPE

Grid Reference: Zone 56 334895 mE 7309405 mN Latitude -24.3197 Longitude 151.3728 Date Recorded: 12/February/2016

Other Names for Deposit / Mine

Never Never

Norton Goldfield Group

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1879	to	31-Dec-1879		37 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	1.5 kilograms
Period:	1-Jul-1996	to	30-Jun-1997		4,713 tonnes HARD ROCK ORE (OR REEF)
GOLD				METAL	30.9 kilograms
SILVER					28.5 kilograms
Period:	1-Jul-2005	to	30-Jun-2006		
GOLD				METAL	22.0 kilograms
SILVER					3.5 kilograms

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Published Reserves/Resources

BR 10452 Published in 2015 **CHANDLER**

INDICATED MINERAL RESOURCE 18,600 tonnes Ore @
17.10 g/t SILVER **FOR** 318 Kilograms SILVER
10.60 g/t GOLD **FOR** 197 Kilograms GOLD

Comments/Cut Off Factor: 2 g/t Au cut-off

BR 10452 Published in 2015 **CHANDLER**

INFERRED MINERAL RESOURCE 7,200 tonnes Ore @
8.40 g/t SILVER **FOR** 60 Kilograms SILVER
5.63 g/t GOLD **FOR** 40 Kilograms GOLD

Comments/Cut Off Factor: 2 g/t Au cut-off

BR 10452 Published in 2015 **FRAMPTON SPLAYS**

INFERRED MINERAL RESOURCE 17,800 tonnes Ore @
5.80 g/t SILVER **FOR** 103 Kilograms SILVER
3.30 g/t GOLD **FOR** 58 Kilograms GOLD

Comments/Cut Off Factor: 2 g/t Au cut-off

BR 10452 Published in 2015 **FRAMPTON**

INDICATED MINERAL RESOURCE 61,400 tonnes Ore @
11.60 g/t SILVER **FOR** 712 Kilograms SILVER
4.97 g/t GOLD **FOR** 305 Kilograms GOLD

Comments/Cut Off Factor: 2 g/t Au cut-off

BR 10452 Published in 2015 **FRAMPTON**

INFERRED MINERAL RESOURCE 6,200 tonnes Ore @
12.70 g/t SILVER **FOR** 78 Kilograms SILVER
5.29 g/t GOLD **FOR** 32 Kilograms GOLD

Comments/Cut Off Factor: 2 g/t Au cut-off

BR 10452 Published in 2015 **LW NG SW**

INFERRED MINERAL RESOURCE 58,300 tonnes Ore @
10.90 g/t SILVER **FOR** 635 Kilograms SILVER
3.49 g/t GOLD **FOR** 203 Kilograms GOLD

Comments/Cut Off Factor: 2 g/t Au cut-off

BR 10452 Published in 2015 **NEVER NEVER**

INDICATED MINERAL RESOURCE 26,500 tonnes Ore @
20.40 g/t SILVER **FOR** 540 Kilograms SILVER
5.82 g/t GOLD **FOR** 154 Kilograms GOLD

Comments/Cut Off Factor: 2 g/t Au cut-off

BR 10452 Published in 2015 **NEVER NEVER**

INFERRED MINERAL RESOURCE 51,600 tonnes Ore @
14.80 g/t SILVER **FOR** 763 Kilograms SILVER
4.17 g/t GOLD **FOR** 215 Kilograms GOLD

Comments/Cut Off Factor: 2 g/t Au cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10452	2015	MANTLE MINING CORPORATION LIMITED	POSITIVE NORTON GOLD MINE SCOPING STUDY - REPLACEMENT ANNOUNCEMENT	REPORT TO THE ASX 22-JULY-2015

Major Mining Related Events

Year Commenced		Year Completed	Comments
1890			WORKED BY THE MUNDIC COMPANY
2005	to	2006	Mining commenced in October 2005. Inaugural gold pour in December 2005. Mining suspended in October 2006.

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Mining Operations	Comments
SHAFTS	
OPEN CUT MINING	12m deep.

Tenure Type/Number		SHARE	Company Name/Surname
ML	80035	100.00%	MANTLE MINING CORPORATION LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PERMO-TRIASSIC IGNEOUS PROVINCES	Norton Tonalite / LATE PERMIAN to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	POLYMETALLIC AG-PB-ZN VEINS (FELSIC INTRUSION RELATED)

Mineralisation Age

ORE	LATE PERMIAN to TRIASSIC

Comments

This is an intrusive-related vein style deposit that is hosted by deeply weathered tonalite. High-grade material from selective, shallow, open pit mining was trucked to Gympie for processing.

Norton Goldfields Ltd is exploring for other resources within economic hauling radius of the processing plant.

Mining operations were suspended on 31 October 2006 after concerns arose that the base metal content of the tailings dam at the Gympie plant could potentially exceed licence conditions. Options for resuming processing Norton ore are being sought.

Tenures over the historic Norton Goldfield are held by Mantle Mining Corporation since 2014. The area contains eight significant shear systems, four of which have previously been mined and which are the focus of previous drilling, the current resource estimate and current redevelopment studies. 111 historic drill holes and results from grade control sampling from previous mining at Frampton and Never Never were used for resource estimation (BR10452).

Web Page

www.nortongoldfields.com.au// www.mantlemining.com

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493708 **NYMBOOL PORPHYRY**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 6 KM SOUTH-EAST OF MUNDERRA, 110KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7862 BULLOCK CREEK

Grid Reference: Zone 55 284441 mE 8043848 mN Latitude -17.6818 Longitude 144.9678 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Blacks Creek

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 5797 Published in 1996 **BLACKS CREEK OXIDE**

INDICATED MINERAL RESOURCE 1,747,000 tonnes Ore @ 0.79 g/t GOLD **FOR** 1,380 Kilograms GOLD

Oxide and transitional resource.

BR 5797 Published in 1996 **BLACKS CREEK OXIDE**

INFERRED MINERAL RESOURCE 180,000 tonnes Ore @ 0.80 g/t GOLD **FOR** 144 Kilograms GOLD

Inferred oxide and transitional resource.

BR 5797 Published in 1996 **BLACKS CREEK PRIMARY**

INDICATED MINERAL RESOURCE 506,000 tonnes Ore @ 0.51 g/t GOLD **FOR** 258 Kilograms GOLD

Primary ore resource.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5797	1996	STRIKE MINING NL	STRIKE MINING NL, QUARTERLY REPORT DEC 1996.	

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Sandy Tate Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU

Mineralisation Age

ORE	LATE CARBONIFEROUS

Comments

The Nymbool porphyry gold prospect is a hydrothermally altered and quartz-veined body of quartz feldspar porphyry.

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560071 **NYMBOOL TIN**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 9KM NW OF MOUNT GARNET

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 292214 mE 8048569 mN Latitude -17.6399 Longitude 145.0415 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Published Reserves/Resources

BR 6053 Published in 1999 **NYMBOOL TIN**

INDICATED MINERAL RESOURCE 115,000 cubic metres Ore @ 650.00 g/m*3 CASSITERITE **FOR** 75 Tonnes CASSITERITE

BR 6053 Published in 1999 **NYMBOOL TIN**

INFERRED MINERAL RESOURCE 68,000 cubic metres Ore @ 650.00 g/m*3 CASSITERITE **FOR** 44 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	16948	100.00%	MGT MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

This alluvial resource comprises Smiths, Corella and Surprise Creeks near the old township of Nymbool.

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41023 **OAKRIDGE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 11.2KM WNW OF MARYBOROUGH

1:100 000 sheet Number and Name: 9446 MARYBOROUGH

Grid Reference: Zone 56 458472 mE 7178620 mN Latitude -25.5090 Longitude 152.5867 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Maryborough Clay 4

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jul-1996 to 30-Jun-2005

BRICK CLAY	6,437.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Operating Mine Life: 1996 to 2005 Quarried by Maryborough Brickworks Pty Ltd.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
ML 5394	100.00%	MARYBOROUGH BRICKWORKS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARYBOROUGH BASIN	Maryborough Formation / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	JURASSIC to CENOZOIC

Comments

Laterite profile with 1 to 3m of ironstone and quartz pebbles in sandy clay over 6 to 10m of brick clay. Currently quarried by Maryborough Brickworks Pty Ltd.

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586418 **OCA**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 0.9 KM E OF RAVENSWOOD

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 489348 mE 7777270 mN Latitude -20.1016 Longitude 146.8981 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Oca Underground
Oca Pit
Buck Reef East
Golden Hill
Buck Reef
Energetic Reef
Sarsfield
Jubilee
Jubilee Extended
Golden Hill Pc
Golden Hill Extended
Golden Hill No. 2 East
Golden Hill No. 1 East
Golden Hill No. 1 West
Golden Hill No. 2 West
Golden Hill No. 3 West

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1987	to	31-Dec-1989	290,000	tonnes HARD ROCK ORE (OR REEF)
GOLD			BULLION	986.0 kilograms	
Period:	1-Jan-1991	to	31-Dec-1991	149,000	tonnes HARD ROCK ORE (OR REEF)
GOLD			BULLION	610.9 kilograms	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1882	to	1934	Historically mined by the Golden Hill and Jubilee Workings.
1987	to	1989	Mined by Carpentaria Gold Pty Ltd via open cut.
1991	to	1991	Mined via underground methods (decline) from the SYC pit floor.

Mining Operations	Comments
OPEN CUT MINING	
DECLINED SHAFTS/DRIVES	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1379	100.00%	CARPENTARIA GOLD PTY. LTD.
ML	1416	100.00%	CARPENTARIA GOLD PTY. LTD.
ML	1417	100.00%	CARPENTARIA GOLD PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Jessop Creek Granite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY-RELATED AURIFEROUS SUBVOLCANIC BRECCIAS AND VEINS

Mineralisation Age

ORE	CARBONIFEROUS

Comments

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38894 **ODIN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 41 KM NORTH-NORTH-WEST OF MOUNT ISA

1:100 000 sheet Number and Name: 6757 KENNEDY GAP

Grid Reference: Zone 54 329451 mE 7745865 mN Latitude -20.3777 Longitude 139.3658 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U

Production Details

Published Reserves/Resources

BR 9918 Published in 2012 **ODIN**

INDICATED MINERAL RESOURCE 8,200,000 tonnes Ore @ 0.06 % URANIUM OXIDE **FOR** 4,551 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: Cutoff grade of 0.025 U3O8

50% Summit and 50% Paladin attribution (in 2012)

BR 9918 Published in 2012 **ODIN**

INFERRED MINERAL RESOURCE 5,800,000 tonnes Ore @ 0.06 % URANIUM OXIDE **FOR** 3,422 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: Cutoff grade of 0.025 U3O8

50% Summit and 50% Paladin attribution (in 2012)

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9918	2012	SUMMIT RESOURCES LIMITED	QUARTERLY REPORT FOR PERIOD ENDING - 30 JUNE 2012	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 27 JULY 2012. SUMMIT RESOURCES LIMITED, SUBIACO.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17514	100.00%	SUMMIT RESOURCES (AUST) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Eastern Creek Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE

Comments

Web Page

www.summitresources.com.au; www.paladinresources.com.au

Queensland Minerals

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38757 **OLD QUEEN CROSS LODE**

ABANDONED MINE

Descriptive Location: 1.5 KM ESE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 423883 mE 7779661 mN Latitude -20.0785 Longitude 146.2720 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Bonnie Dundee
Phoebe
Queen Tribute
New Queen Central
Queen Cross
No. 7 Ne Queen

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1873 to 31-Dec-1901 37,593 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,275.2 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1873	to	1901	

Mining Operations	Comments
SHAFTS	At least 5 shafts
INCLINED SHAFTS / DRIVES	At least 1 underlie shaft.
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	10208	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Web Page

44304 OLIVE RIVER DUNEFIELD

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: SOUTH OF SHELBOURNE BAY, 55KM NNW OF CAIRNS.

1:100 000 sheet Number and Name: 7573 TEMPLE BAY

Grid Reference: Zone 54 726122 mE 8667166 mN Latitude -12.0490 Longitude 143.0772 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Temple Bay Dunefield

Commodities	Size	Size Definition
SILICA SAND	LARGE	>2 500 000 tonnes SIS

Production Details

Published Reserves/Resources

BR 741 Published in 1990

CONICAL AND SADDLE HILLS

PROVED ORE RESERVE 8,760,000 tonnes Ore @
8,760,000 Tonnes SILICA SAND

An open-cut mine was planned but the Commonwealth Government opposed development on environmental grounds.

BR 741 Published in 1990

OLIVE RIVER DUNEFIELD

PROBABLE ORE RESERVE 40,000,000 tonnes Ore @
40,000,000 Tonnes SILICA SAND

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 741	1990	COOPER, W., & SAWERS, J.D.	CAPE FLATTERY AND SHELBURNE BAY SILICA SAND DEPOSITS.	IN HUGHES, F.E. (EDITOR): GEOLOGY OF THE MINERAL DEPOSITS OF AUSTRALIA AND PAPUA NEW GUINEA. THE AUSTRALASIAN INSTITUTE OF MINING AND METALLURGY, MELBOURNE, 1665-1667.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	QUATERNARY

Comments

The Olive River dunefield extends from the Olive River north to Shelburne Bay and inland for up to 15km.

The dunefield is characterised by active parabolic and elongate parabolic dunes aligned parallel to the prevailing south-east winds and by older, stabilised and lateritised dunes.

The dunes consist almost entirely of quartz sand, with a heavy mineral content of 0.024 to 0.206% (mainly ilmenite and zircon).

A number of companies have investigated the silica sand potential of the dunefield. An open cut mine was planned but the project was abandoned after the Commonwealth Govt indicated that foreign financing would not be approved, on environmental grounds.

The proved deposits are within a Departmental and Official Purposes Reserve and Restricted Area 168, both of which are within a National Park.

Web Page

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479181 **OPHIR BLOCK**

ABANDONED MINE

Descriptive Location: 0.9 KM N OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 631321 mE 7987624 mN Latitude -18.1965 Longitude 142.2418 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Iguana Blocks

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1891 to 31-Dec-1899 9,991 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 744.4 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 5248	100.00%	BARRICK (KALGOORLIE) LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

The block claims intersected the Iguana reef at vertical depths of 34 to 73 m. The reef was lost against a fault dipping 50 degrees to the south-southwest. The old workings have been obliterated by excavation of the Golden Butterfly Open Cut.

Web Page

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531991 **ORIENT**

ABANDONED MINE

Descriptive Location: 18.5KM EAST-SOUTH-EAST OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 359843 mE 7699973 mN Latitude -20.7948 Longitude 139.6533 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	VERY SMALL	<500 tonnes CU
SILICA	SMALL	1 000 - 1 000 000 t SIO

Production Details

Period: 1-Jan-1969 to 31-Dec-1969 25 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 2.1 tonnes 8.56 percent

Period: 1-Jan-1975 to 31-Dec-1975

SILICA 1,646.8 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KALKADOON-LEICHHARDT DOMAIN	Leichhardt Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
KALKADOON-LEICHHARDT DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Web Page

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40099 **ORIENTAL AND GLANMIRE WESTERN**

ABANDONED MINE

Descriptive Location: 3.2 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468512 mE 7100951 mN Latitude -26.2105 Longitude 152.6848 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1896 to 31-Dec-1900 22,294 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 633.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

The Oriental Reef to the west of the shaft was a large formation with some quartz on the footwall and hanging wall. The East Oriental reef was cut to the east. This was a large formation of slate with leaders, veinlets and, at times, large quartz veins.

This mine is the 'Oriental and Glanmire Western shaft' (Dunstan, 1910, 1911). The ground was first worked from a shaft in the north-west corner of the lease.

Web Page

www.bukagold.com.au

Queensland Minerals

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40100 **ORIENTAL AND GLANMIRE, EAST**

ABANDONED MINE

Descriptive Location: 3.3 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468717 mE 7100939 mN Latitude -26.2107 Longitude 152.6869 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1897 to 31-Dec-1935 56,900 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,037.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

A large lode formation averaging 9.1m of crushing material was worked on the 640, 656 and 672m levels. Payable gold was mined from a formation 24 to 30m wide on the 617m level. The workings connected with the 'Oriental Consols' mine at the 656m level.
Tributers worked various parts of the mine in 1915-1916, with most of the gold being won from a large flat reef formation at the 656m level. The mine closed in 1916 and the company went into liquidation.
In 1935, Oriomo Explorations Ltd held a lease over this area, but no work was done.

Web Page

www.bukagold.com.au

Queensland Minerals

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40102 ORIENTAL AND GLANMIRE, NO.1 NORTH

ABANDONED MINE

Descriptive Location: 3.1 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468635 mE 7101184 mN Latitude -26.2084 Longitude 152.6860 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period: 1-Jan-1898 to 31-Dec-1916 57,436 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,096.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Initial production (1897-1899) from the 'Oriental and Glanmire, No. 1 North' lease came from the 'Great Eastern, No. 1 North' shaft (Rands, 1899).

The 'Oriental and Glanmire, No. 1 North' was sunk in 1898-1899 and became the main gold producer. Rands (1901b) described the workings in both shafts. In 1907, this mine broke through into the workings of the 'East Oriental and Glanmire'.

The major source of production was the Oriental reef. Other reefs worked included the Glasgow and the No.1 Western. The mine closed at the end of 1914 due to poor results. Tributers then worked the mine from 1914 to 1916.

Web Page

www.bukagold.com.au

Queensland Minerals

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40103 ORIENTAL AND GLANMIRE, NO.1 SOUTH

ABANDONED MINE

Descriptive Location: 3.6 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 468880 mE 7100707 mN Latitude -26.2128 Longitude 152.6885 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period: 1-Jan-1897 to 31-Dec-1916 19,552 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 545.2 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	50114	100.00%	GYMPIE ELDORADO MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

The eastern reef was worked between the 549 and 585m levels and the western reef was worked at the 402m level. The mine was worked by tributers from 1914 to 1916.

Web Page

www.bukagold.com.au

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494837 **ORPHAN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 27 KM NORTH OF KAJABBI, 110KM NE OF MT ISA.

1:100 000 sheet Number and Name: 6958 COOLULLAH

Grid Reference: Zone 54 397707 mE 7811875 mN Latitude -19.7862 Longitude 140.0235 Date Recorded: 24/October/2008

Other Names for Deposit / Mine

Widow

Big Orphan

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1915	to	31-Dec-1945	24,145 tonnes OXIDE ORE	
COPPER			OTHER	2,784.0 tonnes	11.50 percent
GOLD			BULLION	18.7 kilograms	0.77 grams per tonne
SILVER				51.1 kilograms	2.10 grams per tonne
Period:	1-Jan-1974	to	31-Dec-1976	1,443 tonnes HARD ROCK ORE (OR REEF)	
COPPER			OTHER	91.8 tonnes	6.40 percent
Period:	1-Jul-2000	to	30-Jun-2001		
COPPER			PLATE	649.0 tonnes	
Period:	1-Jul-2001	to	30-Jun-2002		
COPPER			PLATE	784.0 tonnes	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1900	to	1900	Gossanous lode discovered.
1907	to	1907	Some good ore raised from small open cuts.
1915	to	1921	Mount Cuthbert NL developed mine to 83.5m level. Stoping was carried out above the 30.5m and 53.3m levels.
1927	to	1945	Owned by Mount Elliott Ltd. Worked intermittently by tributers.
1966	to	1969	In the late 1960s, copper precipitation vats were set up but no production took place.
1974	to	1976	Valiant Consolidated Ltd reopened the mine and extracted 6.4% Cu ore from the 53m level. The ore was sent to Mount Isa Mines. The mine closed in 1976 following a sharp drop in the copper price.
2000	to	2002	Open cut mining completed as part of the Mount Cuthbert project.

Mining Operations	Comments
SHAFTS	Obliterated by recent open cut mining.
OPEN CUT MINING	Old open cuts; obliterated by recent open cut mining.
UNDERGROUND MINING METHODS	
STOPING	Stoped to surface.
OPEN CUT MINING	Recent open cut is 200m long by 75m wide by >25m deep.

Tenure Type/Number		SHARE	Company Name/Surname
ML	2635	100.00%	MALACO LEICHHARDT PTY LTD
ML	2636	100.00%	MALACO LEICHHARDT PTY LTD
ML	2715	100.00%	MALACO LEICHHARDT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Leichhardt Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	Leichhardt Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	PROTEROZOIC

Comments

This copper deposit was part of Matrix Metals Ltd's Mount Cuthbert copper mining project. It was open cut mined sometime in 2000-2001. Production recorded against Mount Cuthbert.

Web Page

www.matrixmetals.com.au

Queensland Minerals

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588516 **ORPHAN SHEAR**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 113KM EAST OF MOUNT ISA, 1.2KM SSE OF CLONCURRY.

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 449437 mE 7709024 mN Latitude -20.7176 Longitude 140.5144 Date Recorded: 12/January/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 10368 Published in 2013

ORPHAN SHEAR

INFERRED MINERAL RESOURCE 241,000 tonnes Ore @

1.00 % COPPER **FOR** 2,410 Tonnes COPPER

0.03 g/t GOLD **FOR** 7 Kilograms GOLD

non JORC compliant resource quoted on Copperchem webpage

BR 10368 Published in 2013

ORPHAN SHEAR

PROBABLE ORE RESERVE 284,000 tonnes Ore @

0.93 % COPPER **FOR** 2,641 Tonnes COPPER

0.03 g/t GOLD **FOR** 8 Kilograms GOLD

non JORC compliant resource quoted on Copperchem webpage

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10368	2013	COPPERCHEM LIMITED	COPPERCHEM LIMITED WEBPAGE; CLONCURRY PROJECT; RESOURCES AND RESERVES, MAY 2013	HTTP://WWW.COPPERCHEM.COM.AU/CLONCURRY.HTM

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15923	100.00%	EXCO RESOURCES (QLD) PTY LTD
ML	90108	100.00%	COPPERCHEM LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DOHERTY-FIG TREE GULLY DOMAIN	Staveley Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

METAMORPHIC GRADE GREENSCHIST

Mineralisation Age

ORE

Comments

In May 2013 CopperChem announced a non-JORC reserve and resource on their webpage: the uncatagorised reserves for Orphan are 284000 t at 0.93% Cu and 0.03 g/t Au and the uncatagorised resources are 241000t at 1.00% Cu and 0.03 g/t Au (BR10368).

Web Page

www.excoresources.com.au; http://www.copperchem.com.au/cloncurry.htm

Queensland Minerals

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493679 **OUTCAMP**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 16 KM SOUTH-SOUTH-WEST OF WESTMORELAND, 350KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6563 WESTMORELAND

Grid Reference: Zone 54 204302 mE 8065052 mN Latitude -17.4811 Longitude 138.2157 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Long Pocket Area

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U

Production Details

Published Reserves/Resources

BR 5054 Published in 1987 **LONG POCKET**

INFERRED MINERAL RESOURCE 1,111,765 tonnes Ore @ 0.09 % URANIUM OXIDE **FOR** 945 Tonnes URANIUM OXIDE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5054	1987	BATTEY, G.C., MIEZITIS, Y., & MCKAY, A.D.	Australian uranium resources	Bureau of Minerals Resources, Geology and Geophysics, Australia, Resource Report 1.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14558	100.00%	TACKLE RESOURCES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Westmoreland Conglomerate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	UNCONFORMITY-RELATED DEPOSIT
DETAILED OREBODY MODEL	UNCONFORMITY U-AU (VEIN-TYPE U)

Mineralisation Age

ORE	NEOPROTEROZOIC	Dating of 9 uraniferous samples from the Westmoreland area indicates only one major mineralising event at 812+-5 Ma (Schindlmayr & Beerbaum, 1986).

Comments

This deposit may be an up-dip expression of the Sue mineralisation. It is held by Canadian company Laramide Resources Ltd, which has acquired Tackle Resources Pty Ltd in 2010.

Nov 2010 Laramide reported drilling intersections; LPDD10-004 4m @ 0.13% U3o8 from 19m below surface. LPDD10-006 4m @ 0.29% U3O8 from 23m. LPDD10-009 15m @ 0.09% U3O8 from 5m (BR9909).

2010 Laramide Resources reported intend for new drilling in the Longpocket area containing this historic deposit (BR9907). Nov 2010 drilling was undertaken in the historic Outcamp prospect area.

Web Page

www.laramide.com; www.uic.com.au

Queensland Minerals

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493680 **OVERHANG**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 33.4KM SSW OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 436638 mE 7679328 mN Latitude -20.9855 Longitude 140.3904 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
MANGANESE	SMALL	100 - 100 000 tonnes MN
URANIUM	VERY SMALL	<100 tonnes U

Production Details

Period: 1-Jan-1959 to 31-Dec-1962 7,270 tonnes HARD ROCK ORE (OR REEF)

MANGANESE OXIDES 7,270.0 tonnes

Published Reserves/Resources

Company Report 25053 Published in 1991 **OVERHANG**

INDICATED MINERAL RESOURCE 7,293 tonnes Ore @ 30.84 % MANGANESE **FOR** 2,249 Tonnes MANGANESE

Comments/Cut Off Factor: 20% Mn cutoff, to 35m below ground surface.

Company Report 25053 Published in 1991 **OVERHANG**

MEASURED MINERAL RESOURCE 21,925 tonnes Ore @ 28.64 % MANGANESE **FOR** 6,279 Tonnes MANGANESE

Comments/Cut Off Factor: 20%Mn cut off, to 35m below ground surface.

Total resource averages 29.2% Mn, 34.9% SiO_2, 3.8% Fe and 2.7% Al_2O_3.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1958	to	1962	Mined to supply manganese oxide ore for the Mary Kathleen acid leach uranium treatment plant.

Mining Operations	Comments
OPEN CUT MINING	Two levels
ADITS	Three exploratory adits were excavated before mining commenced.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15897	100.00%	SIERRA LINE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MITAKOODI DOMAIN	Overhang Jaspilite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	SUPERGENE-ENRICHED MANGANESE OXIDE DEPOSITS

Mineralisation Age

ORE PROTEROZOIC

Comments

Uranium anomalism is to be investigated by Deep Yellow Ltd under a joint venture with Matrix Metals Ltd.

Web Page

www.matrixmetals.com.au; www.deepyellow.com.au

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494838 **OVERLANDER NORTH**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 55KM SE OF MT ISA; 35KM N OF DUCHESS

1:100 000 sheet Number and Name: 6855 DUCHESS

Grid Reference: Zone 54 386683 mE 7673715 mN Latitude -21.0338 Longitude 139.9095 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Overlander Prospect
Overlander 1
Overlander 4

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
COBALT	SMALL	10 - 1 000 tonnes CO
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1966 to 31-Dec-1970 913 tonnes KNOWN HISTORIC PRODUCTION

COPPER METAL 45.0 tonnes

Published Reserves/Resources

BR 10537 Published in 2016 **OVERLANDER NORTH**

INDICATED MINERAL RESOURCE 253,000 tonnes Ore @

1.40 % COPPER **FOR** 3,542 Tonnes COPPER

0.03 % COBALT **FOR** 64 Tonnes COBALT

Comments/Cut Off Factor: 0.7% Cu cutoff

BR 10537 Published in 2016 **OVERLANDER NORTH**

INFERRED MINERAL RESOURCE 870,000 tonnes Ore @

1.30 % COPPER **FOR** 3,211 Tonnes COPPER

0.05 % COBALT **FOR** 396 Tonnes COBALT

Comments/Cut Off Factor: 0.7% Cu cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10537	2016	HAMMER METALS LIMITED	ANNUAL REPORT 2016	ANNOUCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 28 OCTOBER 2016. HAMMER METALS LIMITED LTD, MT LAWLEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14232	100.00%	MT. DOCKERELL MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL HYDROTHERMAL VEINS/PIPE/STOCKWORK

DETAILED OREBODY MODEL SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE PROTEROZOIC

Comments

In 2008 an exploration program by Mount Dockerell Mining Pty Ltd, a wholly-owned subsidiary of Kings Minerals NL was carried out. A 1100m long Cu-Co soil anomaly is associated with a zone of strong silicification.
In 2008 drilling by Kings Minerals NL has intersected a 10 to 30m wide zone of Cu-Co mineralisation in silicified metasediments and metavolcanics. The zone has only been tested to 125m depth.
In 2013 Midas Resources Ltd have acquired 100% ownership of the Mt Isa Project and announced significant new Cu intersections from Overlander North RC drilling: 14m @ 2.62%Cu, 0.12g/t Au and 575ppm Co (OVRC002) and
10m @ 1.45% Cu, 0.11g/t Au and 473ppm Co (OVRC001) (BR10264). Red-rock alteration typical of IOCG systems was intersected at the base of these drilling holes. In 2014 another RC drill intersection: 9m @ 2.58% Cu, 0.22g/t Au and 421ppm Co (BR10265)
In 2014 encountered copper mineralisation within RC drilling suggested an average thickness of the high-grade copper zones at between 5 and 10m. Results also indicate that shears carry high copper grades over significant strike and dip extent (BR10265).

Web Page

http://www.hammermetals.com.au

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506175 **OVERLANDER SOUTH**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 56KM SE OF MT ISA, 35KM N OF DUCHESS

1:100 000 sheet Number and Name: 6855 DUCHESS

Grid Reference: Zone 54 386360 mE 7672264 mN Latitude -21.0469 Longitude 139.9063 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
COBALT	SMALL	10 - 1 000 tonnes CO
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 10537 Published in 2016

OVERLANDER SOUTH

INFERRED MINERAL RESOURCE 649,000 tonnes Ore @

1.00 % COPPER **FOR** 6,490 Tonnes COPPER

0.05 % COBALT **FOR** 324 Tonnes COBALT

Comments/Cut Off Factor: 0.7% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10537	2016	HAMMER METALS LIMITED	ANNUAL REPORT 2016	ANNOUCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 28 OCTOBER 2016. HAMMER METALS LIMITED LTD, MT LAWLEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
PITS	
OPEN CUT MINING	Small in outcrop.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14232	100.00%	MT. DOCKERELL MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE

Comments

In 2013 Midas Resources Ltd have acquired 100% ownership of the Mt Isa Project and in 2014 announced significant new Cu intersections from Overlander South RC drilling: 15m @ 0.85%Cu, 0.06g/t Au and 435ppm Co (OVRC009) and 12m @ 1.2% Cu, 0.09g/t Au and 568ppm Co (OVRC010) (BR10265). Red-rock alteration typical of IOCG systems was intersected at the base of these drilling holes.

Copper and Au mineralisation along structural zone between Kalman Cu-Au-Mo-Rhen deposit and Andy's Hill IOCG prospect to the S.

Copper sulfides (chalcopyrite, pyrite etc) with associated strong red-rock alteration like in IOCG deposits elsewhere.

Web Page

http://www.hammermetals.com.au/

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44028 **PADDOCK SWAMP CREEK**

ABANDONED MINE

Descriptive Location: 10.0 KM SSE OF STANTHORPE.

1:100 000 sheet Number and Name: 9240 STANTHORPE

Grid Reference: Zone 56 400605 mE 6820776 mN Latitude -28.7365 Longitude 151.9821 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Ross' Claim

Paddock Swamp Tin Dredging Company

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Period: 1-Jan-1908 to 31-Dec-1910 161,456 cubic metres ALLUVIUM

CASSITERITE 125.7 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1908	to	1910	
1981	to	1981	

Mining Operations	Comments
DREDGING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NEW ENGLAND BATHOLITH	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Web Page

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536069 **PAJINGO - CINDY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 39.0KM NE OF PAJINGO HOMESTEAD

1:100 000 sheet Number and Name: 8156 PAJINGO

Grid Reference: Zone 55 443565 mE 7728870 mN Latitude -20.5381 Longitude 146.4586 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Pajingo Gold Mine - Cindy

Cindy

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1994 to 31-Dec-1996 207,806 tonnes HARD ROCK ORE (OR REEF)

SILVER		779.6 kilograms	3.75 grams per tonne
GOLD	FINE	1,445.3 kilograms	6.95 grams per tonne

Published Reserves/Resources

BR 9861 Published in 2011 **CINDY - UNDERGROUND**

INDICATED MINERAL RESOURCE 69,000 tonnes Ore @ 6.50 g/t GOLD **FOR** 448 Kilograms GOLD

Comments/Cut Off Factor: 1.0g/t for UG reserves

BR 9861 Published in 2011 **CINDY - UNDERGROUND**

INFERRED MINERAL RESOURCE 46,000 tonnes Ore @ 4.40 g/t GOLD **FOR** 202 Kilograms GOLD

Comments/Cut Off Factor: 1.0g/t for UG reserves

BR 9861 Published in 2011 **CINDY - UNDERGROUND**

PROBABLE ORE RESERVE 33,000 tonnes Ore @ 5.50 g/t GOLD **FOR** 181 Kilograms GOLD

Comments/Cut Off Factor: 3.9g/t for UG reserves

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9861	2011	CONQUEST MINING LIMITED	ASX RELEASE 28 JULY 2011: SIGNIFICANT INCREASE TO PAJINGO RESOURCES AND RESERVES	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 28 JULY 2011. CONQUEST MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1991	to	1993	Discovered by ACM Gold Ltd in 1991. Battle Mountain (Australia) Pty Ltd completed resource drilling in 1993.
1994	to	1996	Mined by open cut from February to July 1994 and then underground from September 1994 to April 1996. Operated by Pajingo Gold Mine Pty Ltd.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	Decline connected to the Nancy orebody.

Tenure Type/Number		SHARE	Company Name/Surname
ML	1575	40.00%	NQM GOLD 2 PTY LTD
ML	1575	60.00%	CQT GOLD AUSTRALIA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DRUMMOND BASIN	Vera-Nancy Volcanics / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE CARBONIFEROUS

Comments

Web Page
www.nqm.com.au

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536074 **PAJINGO - SCOTT LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 39.2KM NE OF PAJINGO HOMESTEAD

1:100 000 sheet Number and Name: 8156 PAJINGO

Grid Reference: Zone 55 442715 mE 7730120 mN Latitude -20.5268 Longitude 146.4505 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Pajingo Gold Mine - Scott Lode

Scott Lode

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Period: 1-Jan-1987 to 31-Dec-1993 1,353,481 tonnes HARD ROCK ORE (OR REEF)

GOLD	FINE	11,399.4 kilograms	8.40 grams per tonne
SILVER		31,806.4 kilograms	23.50 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1984	to	1987	Discovered by Ralph Porter of Battle Mountain (Australia) Pty Ltd in June 1984. Pajingo Gold Mine Pty Ltd was set up as a wholly-owned subsidiary of Battle Mountain. The plant was commissioned in September 1987.
1987	to	1992	Mined by open cut methods.
1992	to	1993	Mined by underground methods and was mined out in 1993.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1575	40.00%	NQM GOLD 2 PTY LTD
ML	1575	60.00%	CQT GOLD AUSTRALIA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DRUMMOND BASIN	Vera-Nancy Volcanics / LATE DEVONIAN to EARLY CARBONIFEROUS
DRUMMOND BASIN	Pallamana Sandstone / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE	CARBONIFEROUS	K-Ar dating of alteration sericite (illite) gave 342+/-5Ma (BR 6100). Age is slightly younger than host rocks.

Comments

Web Page

http://www.nqm.com.au

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491346 **PARADISE NORTH**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 33KM WNW OF GUNPOWDER, 120KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 301621 mE 7836165 mN Latitude -19.5594 Longitude 139.1090 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Lady Jane

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

BR 5122 Published in 1990 **LADY JANE**

INFERRED MINERAL RESOURCE 185,700,000 tonnes Ore @ 17.60 % PHOSPHATE **FOR** 32,683,200 Tonnes PHOSPHATE

Averages 17.6% P2O5. Note that the Paradise North DSO component has been subtracted from the original resource estimate.

BR 9454 Published in 2010 **PARADISE NORTH DSO**

INDICATED MINERAL RESOURCE 3,343,000 tonnes Ore @ 28.43 % PHOSPHATE **FOR** 950,414 Tonnes PHOSPHATE

Comments/Cut Off Factor: 26% P2O5

BR 9454 Published in 2010 **PARADISE NORTH DSO**

INFERRED MINERAL RESOURCE 3,974,000 tonnes Ore @ 27.86 % PHOSPHATE **FOR** 1,107,156 Tonnes PHOSPHATE

Comments/Cut Off Factor: 26% P2O5

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5122	1990	FREEMAN, M.J., SHERGOLD, J.H., MORRIS, D.G., & WALTER, M.R.	Late Proterozoic and Palaeozoic basins of central and northern Australia - regional geology and mineralisation.	In Hughes, F.E., (Editor): Geology and Mineral Deposits of Australia and Papua New Guinea. The Australasian Institute of Mining and Metallurgy Monograph Series, 14, 1125-1133.
BR 9454	2010	LEGEND INTERNATIONAL HOLDINGS INC	PHOSPHATE PROJECT UPDATE.	REPORT TO THE UNITED STATES SECURITIES AND EXCHANGE COMMISSION, 16 MARCH 2010. LEGEND INTERNATIONAL HOLDINGS INC, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17330	100.00%	PARADISE PHOSPHATE LIMITED
ML	90191	100.00%	PARADISE PHOSPHATE LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Beetle Creek Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	MIDDLE CAMBRIAN	Pelletal, replacement and mudstone phosphorite.

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Comments

Phosphorites first found in this area by Broken Hill South Ltd in 1967.

Legend now refers to the Lady Jane deposit as the Paradise North project. Resource drilling results reported in September 2009 included 7m at 30.7% P2O5, 9m at 31.13% P2O5, 13m at 30.35% P2O5, 6m at 30.23% P2O5, 7m at 30.16% P2O5 and 7m at 30.44% P2O5.

This deposit is being investigated by Legend International Holdings Incorporated, which has entered into a long term offtake and supply agreement with Indian Farmers Fertiliser Cooperative Limited, which is India's largest fertiliser enterprise.

Legend plans to produce 4 to 5Mt of phosphate rock concentrate (34% P2O5) per year from the Lady Annie and Lady Jane deposits. The concentrates will be transported by slurry pipeline to a port on the Gulf of Carpentaria.

Metallurgical studies have shown that Paradise North direct shipping ore acidulates well into a world market quality phosphoric acid. Simple washing and screening of this material at a 20 micron cut increases the rock's P2O5 content by 1.5% and decreases the Al content by 1.6% and inprives the efficiency of the acidulation process.

In 2012 Legend reports mineralised material for the Paradise North tenement at 10% cut off grade of 15.1Mt at 23.9% P2O5 (1.4% Fe2o3, 3.9% Al2o3 & 0.6% MgO) (BR9864).

Web Page

www.lgdi.net

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493654 **PARADISE SOUTH**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 26 KM WEST-SOUTH-WEST OF GUNPOWDER, 105KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 302293 mE 7814132 mN Latitude -19.7585 Longitude 139.1131 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Lady Annie Phosphate

Lady Annie

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	LARGE	>200 000 000 tonnes PHR

Production Details

Period: 1-Jan-1972 to 31-Dec-1972 663 tonnes HARD ROCK ORE (OR REEF)

PHOSPHATE ROCK (PHOSPHORITE) 663.0 tonnes

Period: 1-Jan-1974 to 31-Dec-1974 64,000 tonnes HARD ROCK ORE (OR REEF)

PHOSPHATE ROCK (PHOSPHORITE) 64,000.0 tonnes

Published Reserves/Resources

BR 9864 Published in 2012 **PARADISE SOUTH (LADY ANNIE)**

PROBABLE ORE RESERVE 68,700,000 tonnes Ore @

11.90 % PHOSPHATE **FOR** 8,175,300 Tonnes PHOSPHATE

Comments/Cut Off Factor: 3.5% P2O5 cut off

BR 9864 Published in 2012 **PARADISE SOUTH (LADY ANNIE)**

PROVED ORE RESERVE 129,900,000 tonnes Ore @

13.20 % PHOSPHATE **FOR** 17,146,800 Tonnes PHOSPHATE

Comments/Cut Off Factor: 3.5% P2O5 cut off

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9864	2012	LEGEND INTERNATIONAL HOLDINGS INC	ORM 10K; ANNUAL REPORT 2011 FOR FISCAL YEAR ENDED 31 DECEMBER 2011; PHOSPHATE PROJECT UPDATE.	REPORT TO THE UNITED STATES SECURITIES AND EXCHANGE COMMISSION, 15 MARCH 2012. LEGEND INTERNATIONAL HOLDINGS INC, MELBOURNE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1967	to	1967	Discovery of rock phosphate at Lady Annie by Broken Hill South Ltd.
1972	to	1974	100t/day pilot grinding & flotation plant commissioned. Ore excavated and treated for bulk testing of deposit.

Mining Operations	Comments
SHAFTS	
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	16942	100.00%	PARADISE PHOSPHATE LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Beetle Creek Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	MIDDLE CAMBRIAN	Dominantly pelletal phosphorite.

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Comments

The deposit occurs in a succession of dolomitic siltstone and shale with occasional beds of quartz sandstone. As many as five separate phosphatic horizons, attaining a composite thickness of 29m have been recognised.

Southern Cross Fertilizers Pty Ltd has applied for MDL 348 over the deposit. BHP Billiton acquired Southern Cross Fertilizers when it took over WMC. In August 2006, BHP Billiton sold Southern Cross Fertilizers to Incitec Pivot Ltd.

The deposit is now being investigated by Legend International Holdings Inc, which has entered into a long term offtake and supply agreement with Indian Farmers Fertiliser Cooperative Limited, India's largest fertiliser enterprise.

Legend plans to produce 4 to 5Mt of phosphate rock concentrate (34% P2O5) per year from the Lady Annie and Lady Jane deposits. A slurry pipeline will be used to transport the concentrate to a port on the Gulf of Carpentaria.

In 2012 Legend reported ore reserves for Paradise South: the 2011 ore reserve estimate differs from previous estimates by using recent mining & processing estimates with a 3.5% P2O5 cut off grade & mining schedule with annual production of 2Mtpa for 27.5y

In August 2011Legend states that Paradise South proven & Prob reserves of phosphate rock will support 59 years of 600Ktpa DAP production (29yrs at doubled rate); 'as-mined' proven and prob ore reserves of 196.2Mt at 14.6%P2O5. (BR9865)

Web Page

www.lgdi.net

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36651 **PEACEMAKER**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 14.2KM WNW OF HERBERTON, 65KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 314914 mE 8080309 mN Latitude -17.3552 Longitude 145.2581 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
TUNGSTEN	VERY SMALL	<5 tonnes W
COPPER	VERY SMALL	<500 tonnes CU
MOLYBDENUM	VERY SMALL	<50 tonnes MO
URANIUM	VERY SMALL	<100 tonnes U

Production Details

Period: 1-Jan-1896 to 31-Dec-1989 30,150 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 449.0 tonnes

Published Reserves/Resources

BR 6053 Published in 1999 **PEACEMAKER**

INFERRED MINERAL RESOURCE 20,000 tonnes Ore @ 1.40 % CASSITERITE **FOR** 280 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14741	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Lass O'Gowrie Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL INTRUSIVE-RELATED (PORPHYRY-RELATED)

DETAILED OREBODY MODEL GREISEN

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

This deposit is described as a typical quartz-sercite-topaz greisen, with greisen veins along a fault. The main orebody is pipe-like.

Web Page

www.nqm.com.au

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498687 **PEAK DOWNS**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 6 KM SOUTH-WEST OF CLERMONT, 370KM SW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8452 CLERMONT

Grid Reference: Zone 55 561095 mE 7471525 mN Latitude -22.8629 Longitude 147.5955 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Copperfield

Peak Downs Copper Project

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1863 to 31-Dec-1877 100,000 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 17,000.0 tonnes 17.00 percent

Published Reserves/Resources

Company Report 30988 Published in 1999 **PEAK DOWNS COPPER OXIDE**

INDICATED MINERAL RESOURCE 1,500,000 tonnes Ore @ 0.37 % COPPER **FOR** 5,550 Tonnes COPPER

Comments/Cut Off Factor: 0.15%Cu cutoff.

Resource estimate by Snowden and Associates (of Perth) (08/1995). Method of interpolation was block model.

Company Report 30988 Published in 1999 **PEAK DOWNS COPPER OXIDE**

INFERRED MINERAL RESOURCE 1,200,000 tonnes Ore @ 0.47 % COPPER **FOR** 5,640 Tonnes COPPER

Comments/Cut Off Factor: 0.15%Cu cutoff.

Resource estimate by Snowden and Associates (of Perth) (08/1995). Method of interpolation was block model.

Company Report 30988 Published in 1999 **PEAK DOWNS COPPER OXIDE**

MEASURED MINERAL RESOURCE 1,500,000 tonnes Ore @ 0.53 % COPPER **FOR** 7,950 Tonnes COPPER

Comments/Cut Off Factor: 0.15%Cu cutoff.

Resource estimate by Snowdon and Associates (of Perth)(08/1995). Method of interpolation was block model.

Company Report 30988 Published in 1999 **PEAK DOWNS COPPER PRIMARY**

INDICATED MINERAL RESOURCE 1,400,000 tonnes Ore @ 0.37 % COPPER **FOR** 5,180 Tonnes COPPER

Comments/Cut Off Factor: 0.15%Cu cutoff.

Resource estimnate by Snowden and Associates (of Perth) (10/1995). Method of interpolation was block model.

Company Report 30988 Published in 1999 **PEAK DOWNS COPPER PRIMARY**

INFERRED MINERAL RESOURCE 400,000 tonnes Ore @ 0.33 % COPPER **FOR** 1,320 Tonnes COPPER

Comments/Cut Off Factor: 0.15%Cu cutoff.

Resource estimation by Snowden and Associates (of Perth) (08/1995). Method of interpolation was block model.

Company Report 30988 Published in 1999 **PEAK DOWNS COPPER PRIMARY**

MEASURED MINERAL RESOURCE 800,000 tonnes Ore @ 0.40 % COPPER **FOR** 3,200 Tonnes COPPER

Comments/Cut Off Factor: 0.15%Cu cutoff.

Resource estimate by Snowden and Associates (of Perth) (08/1995). Method of interpolation was block model.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source

Queensland Minerals

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1862	to	1862	Discovery and incorporation of Peak Downs Copper Mining Company
1863	to	1877	Mining by Peak Downs Copper Mining Company.
1864	to	1864	Smelting commenced
1872	to	1872	Peak half yearly production reached of 1449t of copper
1877	to	1877	Mine sold to New Peak Downs Copper Company who could not cover mining expenses leading to mine closure
1898	to	1898	Dewatered and sampled by Peak Downs Otions Ltd
1906	to	1906	Mine development undertaken by Peak Downs Freehold Copper and Coal Company Ltd
1922	to	1923	Dewatered and sampled by Mount Morgan Gold Mining Company Ltd. Not economical to reopen.

Mining Operations	**Comments**
SHAFTS	Down to 100m
UNDERGROUND MINING METHODS	
PITS	

Tenure Type/Number		**SHARE**	**Company Name/Surname**
EPM	17968	100.00%	CHALCOPHILE RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ANAKIE OROGEN	Bathampton Metamorphics / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
DETAILED OREBODY MODEL	VMS - BESSHI/KIESLAGER STYLE CU-ZN

Mineralisation Age

ORE	NEOPROTEROZOIC

Comments

Mineralisation at Peak Downs is associated with an ironstone unit localised along a shear zone and is concentrated within a strongly chlorite altered zone thought to represent altered mafic volcanics.
The deposit is thought to have formed when syngenetic copper and zinc deposited by an exhalative, volcanogenic process was remobilised during metamorphism and deformation.
In 2008, Diatreme Resources commenced an internal review of the copper resource, with the intention of bringing the resource figures up to JORC compliance.

Web Page

www.diatreme.com.au

Queensland Minerals

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493681 **PEGMONT**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 24KM W OF CANNINGTON HS, 176 KM SE OF MT ISA.

1:100 000 sheet Number and Name: 7054 SELWYN

Grid Reference: Zone 54 467790 mE 7583742 mN Latitude -21.8499 Longitude 140.6883 Date Recorded: 17/January/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LEAD	MEDIUM	100 000 - 2 500 000 tonnes PB
ZINC	MEDIUM	200 000 - 2 000 000 tonnes ZN
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Published Reserves/Resources

BR 10480 Published in 2016

OXIDE ZONE PEGMONT 1-4

INDICATED MINERAL RESOURCE 512,000 tonnes Ore @

4.56 % LEAD **FOR** 23,347 Tonnes LEAD

1.58 % ZINC **FOR** 8,089 Tonnes ZINC

6.37 g/t SILVER **FOR** 3,261 Kilograms SILVER

Comments/Cut Off Factor: 3% Pb+Zn cutoff

BR 10480 Published in 2016

OXIDE ZONE PEGMONT 1-4

INFERRED MINERAL RESOURCE 614,000 tonnes Ore @

5.76 % LEAD **FOR** 35,366 Tonnes LEAD

1.23 % ZINC **FOR** 7,552 Tonnes ZINC

5.18 g/t SILVER **FOR** 3,180 Kilograms SILVER

Comments/Cut Off Factor: 3% Pb+Zn cutoff

BR 10480 Published in 2016

SULPHIDE ZONE PEGMONT 1-4

INDICATED MINERAL RESOURCE 757,000 tonnes Ore @

6.66 % LEAD **FOR** 50,416 Tonnes LEAD

2.69 % ZINC **FOR** 20,363 Tonnes ZINC

11.87 g/t SILVER **FOR** 8,985 Kilograms SILVER

Comments/Cut Off Factor: 5% Pb+Zn cutoff

BR 10480 Published in 2016

SULPHIDE ZONE PEGMONT 1-4

INFERRED MINERAL RESOURCE 4,417,000 tonnes Ore @

6.51 % LEAD **FOR** 287,546 Tonnes LEAD

2.80 % ZINC **FOR** 123,676 Tonnes ZINC

10.56 g/t SILVER **FOR** 46,643 Kilograms SILVER

Comments/Cut Off Factor: 5% Pb+Zn cutoff

BR 10480 Published in 2016

TRANSITION ZONE PEGMONT 1-4

INDICATED MINERAL RESOURCE 797,000 tonnes Ore @

4.50 % LEAD **FOR** 35,865 Tonnes LEAD

2.17 % ZINC **FOR** 17,294 Tonnes ZINC

6.88 g/t SILVER **FOR** 5,483 Kilograms SILVER

Comments/Cut Off Factor: 3% Pb+Zn cutoff

BR 10480 Published in 2016

TRANSITION ZONE PEGMONT 1-4

INFERRED MINERAL RESOURCE 1,066,000 tonnes Ore @

5.01 % LEAD **FOR** 53,406 Tonnes LEAD

2.23 % ZINC **FOR** 23,771 Tonnes ZINC

6.77 g/t SILVER **FOR** 7,216 Kilograms SILVER

Comments/Cut Off Factor: 3% Pb+Zn cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10480	2016	VENDETTA MINES LIMITED	TSX ANNOUNCEMENT: VENDETTA MINING CORP. ANNOPUNCES 1.5$ MILLION FINANCING - 2016 EXPLORATION PLANS FOR THE PEGMONT LEAD-ZINC PROJECT	VANCOUVER, BC - MARCH 3RD, 2016 - VENDETTA MINING CORP. (VTT-TSX:V)

Queensland Minerals

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Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	2620	100.00%	PEGMONT MINES LIMITED
ML	2621	100.00%	PEGMONT MINES LIMITED
ML	2623	100.00%	PEGMONT MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Starcross Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (BROKEN HILL TYPE)

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

The Pegmont Pb-Zn deposit is a stratabound, Broken Hill style deposit. Mineralisation comprises galena, sphalerite, pyrrhotite, pyrite and chalcopyrite in banded iron formation (quartz-magnetite-fayalite-garnet-hedenbergite rock).
Metallurgical testwork on drill samples collected in 2005 indicate a complex mineralogy with very poor recovery results from oxide material. Tests on sulphide mineralisation suggest that standard treatment methods could achieve acceptable recoveries.
Cloncurry Metals Ltd entered into a 2 year option agreement with Pegmont Mines Ltd in May 2007. By November 2007, Cloncurry Mines had completed 5410m of drilling in 44 RC percussion holes, five of which had diamond core tails.
Intersections from the most recent drilling included 23m at 4.77% Pb, 3.44% Zn and 9g/t Ag, 16m at 9.24% Pb, 2.31% Zn and 18g/t Ag, 8m at 8.8% Pb, 4.11% Zn and 14g/t Ag, and 8m at 7.53% Pb, 4.42% Zn and 12g/t Ag.
Oxide samples have been collected to carry out testwork to develop a proprietary hydrometallurgical technology to treat both oxide and sulphide ore.
In December 2008, Cloncurry Metals Ltd decided not to exercise its option over the Pegmont deposit after BHP Billiton withdrew from negotiations regarding the project.
In 2011 JM Geological Consulting concluded a resource estimation report for Pegmont delineating indicated and inferred resources. Only data for the Main Lode and Gossan Lode were used since drilling on satelite deposits was too incomplete.
In Sept 2010 Pegmont carried out drilling 10 holes (642m) to test a 2007 ground mag anomaly (continuation of mineralisation to south) of PMR062: 3m @ 7.47% Pb, 0.98% Zn, 10.1ppm Ag. A maiden estimate of JORC Indicated and inferred resources is pending.
In Sept 2010: Best intersection from 10 holes: PMR197: 16m @ 8.68% Pb, 0.64% Zn from 1m (BR9610 & BR9611). Pegmont South Prospect: Another intersection 300m south of Pegmont South: PMR194: 2m @ 0.5%Pb, 2.2% Zn.
In August 2014 Vendetta Mining Corporation acquired Pegmont and announced a mineral resources estimate in September covering Pegmont Zone 1 - 4. Vendetta completed a further drilling program in 2016 on the Burke Hinge Zone and Zone 5
2016: An update on the NI 43-101 Mineral Resource Estimate, including the BHZ and Zone 5 (new) is anticipated for Q4 2016.

Web Page

www.vendettaminingcorp.com/

Queensland Minerals

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38281 **PENNEFATHER RIVER**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 47KM NORTH OF WEIPA, 620KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7273 PENNEFATHER RIVER

Grid Reference: Zone 54 594318 mE 8662166 mN Latitude -12.1006 Longitude 141.8667 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Pennefather River Kaolin

Commodities	Size	Size Definition
KAOLIN / KAOLINITE	LARGE	>20 000 000 tonnes KAO

Production Details

Published Reserves/Resources

Company Report 25094 Published in 1993 **PALID ZONE OF BULIMBA FM**

INFERRED MINERAL RESOURCE

2,800,000,000 Tonnes KAOLIN / KAOLINITE

Estimate of Bulimba Formation kaolin within EPMs 7428 and 7430 covered by 1992 and 1993 drilling. Kaolin lying at the top of the Rolling Downs Group has not been included. The estimate of kaolin is in dry crude tonnes.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC KAOLIN

Mineralisation Age

ORE	CENOZOIC

Comments

Web Page

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481191 **PENTLAND DEEP LEAD**

ABANDONED MINE

Descriptive Location: 20.1 KM N OF LOLWORTH HS.

1:100 000 sheet Number and Name: 7957 LOLWORTH

Grid Reference: Zone 55 330315 mE 7737170 mN Latitude -20.4563 Longitude 145.3733 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Capeville
Cape River Deep Lead
Lower Camp
Red Hill
White Hill

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1867 to 31-Dec-1987

GOLD	BULLION	1,710.6 kilograms
SILVER		9.2 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
PITS	
DREDGING	
SURFACE MINING METHODS	

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC SEDIMENTARY COVER	Campaspe beds / LATE TERTIARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	DEEP LEAD PLACER AU

Mineralisation Age

ORE CENOZOIC

Comments

The Pentland deep leads extend from Capeville (on the Cape River) south for 6.8km. They were shallow and narrow at Capeville but became deeper and wider to the south. The wash comprised large cobbles of white quartz cemented by schistose debris and clay. The overlying finer grained sediments are virtually barren of gold.

Web Page

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42161 **PENZANCE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: NE OF MUNGANA.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 225914 mE 8108969 mN Latitude -17.0873 Longitude 144.4246 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

The Penzance

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG
ZINC	SMALL	200 - 200 000 tonnes ZN
GOLD	VERY SMALL	<0.5 tonnes AU
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Published Reserves/Resources

BR 10070 Published in 2011

PENZANCE - COPPER

INFERRED MINERAL RESOURCE 228,000 tonnes Ore @

58.00 g/t SILVER	**FOR**	13,224 Kilograms SILVER
3.20 % COPPER	**FOR**	7,296 Tonnes COPPER
1.30 % ZINC	**FOR**	2,964 Tonnes ZINC
0.20 g/t GOLD	**FOR**	45 Kilograms GOLD

BR 10070 Published in 2011

PENZANCE - POLYMETALLIC

INFERRED MINERAL RESOURCE 84,000 tonnes Ore @

6.20 % ZINC	**FOR**	5,208 Tonnes ZINC
19.00 g/t SILVER	**FOR**	1,596 Kilograms SILVER
0.70 % COPPER	**FOR**	588 Tonnes COPPER
0.20 % LEAD	**FOR**	168 Tonnes LEAD
0.10 g/t GOLD	**FOR**	8 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10070	2011	KAGARA MINING	QUARTERLY ACTIVITY REPORT FOR THE PERIOD ENDING 30 DECEMBER 2011.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 30 DECEMBER 2011 KAGARA MINING, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1888	to	1888	

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	
DREDGING	
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	COPPER SKARN

Mineralisation Age

ORE

Comments

Web Page

http://www.munganagoldmines.com.au/

Queensland Minerals

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482288 **PERRY CREEK**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 49 KM NORTH-EAST OF GREENVALE, 155KM NW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7960 VALLEY OF LAGOONS

Grid Reference: Zone 55 324425 mE 7927930 mN Latitude -18.7326 Longitude 145.3347 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Roberg

Commodities	Size	Size Definition
TUNGSTEN	MEDIUM	500 - 10 000 tonnes W
ZINC	VERY SMALL	<200 tonnes ZN
LEAD	VERY SMALL	<1000 tonnes PB
BISMUTH	VERY SMALL	<50 tonnes BI

Production Details

Period: 1-Jan-1944 to 31-Dec-1970 87 tonnes HARD ROCK ORE (OR REEF)

SCHEELITE 8.0 tonnes

Published Reserves/Resources

Company Report 14738 Published in 1981

INFERRED MINERAL RESOURCE 100,000 tonnes Ore @ 0.80 % SCHEELITE **FOR** 800 Tonnes SCHEELITE

Resource is to a depth of 100m.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Cg-SE5509 / CARBONIFEROUS to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	WOLFRAM VEINS

Mineralisation Age

ORE	CARBONIFEROUS

Comments

Scheelite occurs as distinct blebs within a near-vertical quartz vein occupying a fracture zone averaging about 1.5m in width. The vein was found to widen slightly at depth. Fine-grained sericitic alteration of feldspars occurs locally.

Web Page

www.anchorresources.com

Queensland Minerals

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493682 **PERRY MOUNTAIN IRONSTONE**

ABANDONED MINE

Descriptive Location: 6.3KM ESE OF MOUNT PERRY

1:100 000 sheet Number and Name: 9247 MOUNT PERRY

Grid Reference: Zone 56 368633 mE 7212291 mN Latitude -25.1997 Longitude 151.6961 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
IRONSTONE	SMALL	5 000 - 5 000 000 tonnes FEST
MAGNETITE	SMALL	50 000 - 500 000 tonnes MT

Production Details

Published Reserves/Resources

BR 2549 Published in 1919

PERRY MOUNTAIN IRONSTONE

INFERRED MINERAL RESOURCE 101,600 tonnes Ore @ 34.00 % IRON **FOR** 34,544 Tonnes IRON

Grades of 34 to 43% Fe

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 2549	1919	REID, J.H.	IRON ORE AND LIMESTONE DEPOSITS OF MOUNT PERRY DISTRICT.	QUEENSLAND GOVERNMENT MINING JOURNAL, 20, 421-425.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1902	to	1902	Held as ML 30 by the Queensland Copper Company Ltd from January to June 1902 and quarried for ironstone flux for the Mount Perry Copper Smelter.

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	30m deep exploratory shaft. Now open to 10m, vertical and dangerous.
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10566	100.00%	MT RAWDON OPERATIONS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Aranbanga Volcanic Group / MIDDLE TRIASSIC to LATE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	ENRICHED IRON FORMATION

Mineralisation Age

ORE	CENOZOIC

Comments

This deposit has been covered by many exploration permits since mining ceased but the focus of exploration in the area is gold, copper and heavy minerals.

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Queensland Minerals

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491044 **PHANTOM HILLS**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 4.7 KM NORTH-EAST OF CENTURY MINE, 220KM NW OF MT ISA.

1:100 000 sheet Number and Name: 6660 LAWN HILL

Grid Reference: Zone 54 247621 mE 7932565 mN Latitude -18.6829 Longitude 138.6072 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

Company Report 15312 Published in 1986 **PHANTOM HILLS**

INFERRED MINERAL RESOURCE 45,400,000 tonnes Ore @ 16.00 % PHOSPHATE **FOR** 7,264,000 Tonnes PHOSPHATE

Comments/Cut Off Factor: 10% P2O5 cutoff.

At an average grade of 16.0% P2O5, 2.7% Al2O3, 3.9% Fe2O3 and 2.9% CO2.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10544	100.00%	MMG AUSTRALIA LIMITED
ML	90045	100.00%	MMG CENTURY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Border Waterhole Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	MIDDLE CAMBRIAN

Comments

Web Page

http://www.mmg.com

Queensland Minerals

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40126 **PHOENIX GOLDEN PILE**

ABANDONED MINE

Descriptive Location: 1.3 KM ESE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467442 mE 7102608 mN Latitude -26.1956 Longitude 152.6741 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Golden Pile

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1880 to 31-Dec-1913 13,490 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,240.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Dunstan (1910, 1911) showed this mine as the 'Phoenix Golden Pile Eastern shaft'. This mine was originally the shaft for the Golden Pile lease (GMLs 354, 388). Rands (1889 ,p29; 1895, p14) described the mine workings in detail.

The Eastern and Western reefs (Rands, 1895) may equate with the Phoenix and Smithfield reefs reported in the ARDMs. Earlier workings in this mine were in the 'Phoenix shale' which extended from 114 to 145m depth. Production from this unit was limited.

Deeper workings in the '2nd and 3rd beds of slate' were far more productive, with one section of the Eastern reef averaging 153 to 184g/t Au. The old eastern shaft was worked from 1903 to 1908. The machinery was moved to the 'Aurelia' shaft in 1912.

Web Page

www.bukagold.com.au

Queensland Minerals

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40127 **PHOENIX P.C.**

ABANDONED MINE

Descriptive Location: 1.6 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467460 mE 7102130 mN Latitude -26.1999 Longitude 152.6743 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1878 to 31-Dec-1934 133,700 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 4,669.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE EARLY TRIASSIC to MIDDLE TRIASSIC

Comments

Dunstan (1910, 1911) showed two shafts - the 'Phoenix P.C.' and the 'Phoenix P.C. Northeast'. 'Good gold' was found on the 'McCowens Break' at the 85m level north and south of the shaft. Two 'breaks' with rich gold were also mined on the 103m level.
Bedding-plane faults dipped at about 23 degrees ESE at the 103m level. In 1894, a northerly drive broke through into the 'Golden Pile' workings and a western crosscut broke into the 'Phoenix, No.1 North' workings.
One crushing of 30t in 1894 produced 14.4kg of Au bullion. The old tailings were cyanided in the early 1930s.

Web Page

www.bukagold.com.au

Queensland Minerals

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40133 **PHOENIX, NO.1 NORTH**

ABANDONED MINE

Descriptive Location: 1.4 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467394 mE 7102311 mN Latitude -26.1982 Longitude 152.6736 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1880 to 31-Dec-1919 272,340 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 6,127.7 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE EARLY TRIASSIC to MIDDLE TRIASSIC

Comments

This claim was taken up in 1878. The main lode was struck on the 101m level, 11m east of the shaft. The lode was widest (12m) on the 152m level. The Phoenix reef was worked until 1894 and then the Smithfield reef at the 65 and 218m levels.

Two parties of tributers worked the Phoenix reef. In 1913 it was proposed to access these workings from the 'Golden Crown' shaft. The country rock was black slate with 'plumbago floors'.

Rich gold was found in soft greywacke. Gold specimens weighing several kg were obtained from shale between the walls of a reef right away from the quartz. Two 'breaks' on the 103m level yielded 'good gold'. The 'Upper Phoenix Slates' were cut at 9m.

Web Page

www.bukagold.com.au

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

40134 **PHOENIX, NO.1 SOUTH**

ABANDONED MINE

Descriptive Location: 1.7 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467435 mE 7101965 mN Latitude -26.2014 Longitude 152.6740 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Welcome

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1881 to 31-Dec-1904 6,040 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 540.8 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Three shafts, the No. 1 (this location), No. 2 and No. 3, were operated as the 'Phoenix, No.1 South'. Data relating to these shafts could not be differentiated and have been grouped here.

In 1899, the No. 1 shaft was 213m deep, the No. 2 was 122m deep and the No. 3 was 91m deep. The Phoenix reef had two branches about 11.6m apart. Other reefs worked included the Welcome, Shannon, Banana, Western, Wilmot and Russell.

Dunstan (1910, 1911) distinguished two of the shafts - this location (the 'Phoenix, No. 1 South') and the 'No. 1 South Phoenix Southern Vertical Shaft (Welcome)' at GR 673016 (MGA66).

Web Page

www.bukagold.com.au

Queensland Minerals

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40137 **PHOENIX, NO.3 NORTH**

ABANDONED MINE

Descriptive Location: 1.1 KM ESE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467359 mE 7102851 mN Latitude -26.1934 Longitude 152.6733 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Phoenix And Victory Tribute, No.3 North

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period: 1-Jan-1880 to 31-Dec-1913 29,600 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 655.7 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

This mine has also been known as the 'Phoenix Tribute, No. 3 North'. Shaft sinking commenced in 1880 & the first recorded gold production was in 1883. The mine successfully exploited the Phoenix reef between 1884 & 1890 & the Smithfield reef in 1898/99. Outside of these periods production was small but more or less continuous. From 1904 until its closure in 1913, the mine was let on tribute & operated as the 'Phoenix Tribute, No. 3 North' (until 1907) then as the 'Phoenix & Victory Tribute, No. 3 North'.
Rands (1895) described the Victory reef as a 2.1m wide 'mullocky' formation with 0.3m of quartz and calcite on the footwall.
Rands (1889) described the Phoenix reef at the 152m level (in the 'Phoenix Slates') as three branches, 7m apart. The east and west branches were generally narrow; the middle reef at the level was about 150mm wide and subeconomic.
Rands observed that the reef, where it met the 'Phoenix slide', rolled over from its westerly dip to follow the easterly dip of the slide (fault).

Web Page

www.bukagold.com.au

Queensland Minerals

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40139 **PHOENIX, NO.4 NORTH**

ABANDONED MINE

Descriptive Location: 1.3 KM E OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467593 mE 7103264 mN Latitude -26.1896 Longitude 152.6757 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1881 to 31-Dec-1925 84,500 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	3,825.0 kilograms
GOLD	FINE	7.7 kilograms
SILVER		22.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Annual Reports of the Department of Mines (1884-1925) indicated major production from the Phoenix, Victory, Smithfield and Davies reefs. Both shafts were major producers.

The 'Phoenix, No.4 North' mine comprised two deep shafts, the eastern & western. The oldest shaft, the western, provided access to Western, Phoenix and Victory reefs. The eastern shaft, put down in about 1897, accessed Smithfield, Davies & Victory? reefs.

The two shafts were connected by a long crosscut. Rands (1889) reported that the Phoenix reef at the 106m level graded 46g/t Au but, as it averaged <75mm wide, it was considered uneconomic.

At the 134m level, however, the reef comprised a 1.8 m zone of quartz veins in shale. The whole reef width, averaging >30 g/t Au, was mined. The Western reef at the 134m level comprised thin quartz veins on the margins of a feldspathic dyke.

The host 'Phoenix shales' strike 160 degrees and dip 18 degrees east. Rands (1895) described the Smithfield reef where it was first intersected as 'small', with coarse gold.

The Victory reef, at the 171m level, comprised a 2.4m wide diorite dyke with veins and bunches' of calcite, but very little quartz and poor in gold. However, coarse gold was found at the 256m level.

Rich crushings were obtained from stopes over the 225 & 247m levels in 1909/10. Country rock consisted of conglomerate & grey rock with black slate in the deeper levels. The reef formation was up to 0.46m wide and quartz veins ranged from 0.04-0.46m wide.

In 1922, 1.02t of specimen stone yielded 39.1kg of gold and work was begun on the ground formerly held by the 'No. 3 North Phoenix Company'.

In 1924, the 'Phoenix, No. 4 North' broke through the 'Smithfield Golden Pile' mine level. The mine closed in 1925 due to a heavy influx of water into the lower levels.

Web Page

www.bukagold.com.au

Queensland Minerals

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40140 **PHOENIX, NO.5 NORTH**

ABANDONED MINE

Descriptive Location: 0.9 KM E OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467220 mE 7103315 mN Latitude -26.1892 Longitude 152.6719 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1884 to 31-Dec-1913 27,550 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 671.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Rands (1895) noted that the Victory reef was intersected, but had not been a significant producer. The host rocks ('Phoenix shales') strike 158 degrees and dip 21 degrees east.

Rands (1889) reported gold production from the Crown and Phoenix western reef (stoped for a length of 90m between two crosscourses between the 140 and 122m levels).

The Crown and Pheonix eastern reef, which comprised 'small quartz veins on either wall with a feldspathic rock between', gave poor results.

In 1912, the mine was let to tributers who worked the Victory reef at the 239m level and the Phoenix reef leaders at the 189m level. The March reef was also worked. The mine closed in 1913.

Web Page

www.bukagold.com.au

Queensland Minerals

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479862 **PHYLLIS MAY**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 25.7 KM E OF FOREST HOME HOMESTEAD.

1:100 000 sheet Number and Name: 7561 FOREST HOME

Grid Reference: Zone 54 740361 mE 7979566 mN Latitude -18.2598 Longitude 143.2734 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Phyllis Mae

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
MOLYBDENUM	VERY SMALL	<50 tonnes MO

Production Details

Published Reserves/Resources

BR 3822 Published in 1980

PHYLLIS MAE

INFERRED MINERAL RESOURCE 100,000,000 tonnes Ore @ 0.05 % COPPER **FOR** 50,000 Tonnes COPPER

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 3822	1980	LACY, W.C.	Mineralisation along the Extension of the New England and Lachlan-Thompson Fold Belts into North Queensland .	In HENDERSON, R.A. & STEPHENSON, P.J., (Editors): The geology and geophysics of northeastern Australia. Geological Society of Australia, Queensland, Brisbane, 269-277.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Forsayth Granite / MESOPROTEROZOIC to MESOPROTEROZOIC
KENNEDY IGNEOUS ASSOCIATION	Mount Darcy Microgranodiorite / CARBONIFEROUS to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU

Mineralisation Age

ORE	LATE CARBONIFEROUS

Comments

Central Coast Exploration carried out a stream sediment sampling program and identified the Phyllis Mae prospect as a low grade copper anomaly. Follow-up studies confirmed the presence of copper in soils and found closely associated extensive hydrothermal alteration. The company carried out shallow percussion drilling and intersected thin zones of near-surface chalcocite with grades up to 0.8% copper. At this deposit, Proterozoic granite basement has been intruded by Permo-Carboniferous, feldspar-quartz -biotite and granodiorite porphyries with dykes of plagioclase porphyry and siliceous rhyolites.

These rocks host isolated, small bodies of hydrothermal, fault and intrusive breccias, with zones of hydrothermal alteration, low-grade copper mineralisation and intense fracturing controlled by predominantly north-easterly and north-westerly oriented structures. Hydrothermal alteration is extensive and alteration includes secondary biotite, quartz, sericite, chlorite and kaolin. The alteration is generally pervasive and is associated with erratic stockworks. Copper mineralisation is widespread and occurs mainly as fine-grained disseminations, but fracture-controlled and vein mineralisation are also present. Chevron Exploration Corporation defined a large area of anomalous copper (250ppm) and molybdenum (10ppm). The company found that the intensity and distribution of alteration and sulphide mineralisation did not conform with any simple models of porphyry copper-style mineralisation. The presence of primary sulphides near the surface indicates that secondary enrichment has not taken place to any significant degree. Central Coast Exploration NL took out MLs 3250 to 3253 and 3258 to 3261 over the prospect from 1973. All leases in the area were surrendered by December 1992. Plentex (Operations) Pty Ltd currently have an EPM over the prospect.

Web Page

www.plentex.com.au

Queensland Minerals

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578302 **PINDI PINDI BRICKWORKS**

ABANDONED MINE

Descriptive Location: 4.8KM NW OF CALEN

1:100 000 sheet Number and Name: 8656 CALEN

Grid Reference: Zone 55 680545 mE 7691146 mN Latitude -20.8710 Longitude 148.7355 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jan-1959 to 31-Dec-1977

BRICK CLAY	82,345.0 tonnes
BRICK CLAY	4,091.0 cubic metres

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1930	to	1935	First worked.
1959	to	1977	A.R. Porter acquired the old Pindi Pindi Brickworks. Building bricks, firebricks and fire blocks were produced using clay and shale sourced from 4 locations in the Pindi Pindi area.

Mining Operations	Comments
PITS	Clay pit

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CONNORS SUBPROVINCE	Calen Coal Measures / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	EARLY PERMIAN

Comments

Web Page

Queensland Minerals

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494094 **PINE MOUNTAIN**

ABANDONED MINE

Descriptive Location: 17 KM ESE OF NEBO

1:100 000 sheet Number and Name: 8654 NEBO

Grid Reference: Zone 55 690742 mE 7592215 mN Latitude -21.7634 Longitude 148.8446 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Pine Mountain Quarry

Twelve Mile

Commodities	Size	Size Definition
EARTHY LIME / DOLOMITE (AGRICULTURAL)	SMALL	10 000 - 100 000 tonnes ELIM

Production Details

Period: 1-Jul-1996 to 30-Jun-2008

EARTHY LIME / DOLOMITE (AGRICULTURAL)	17,820.1 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1996	to	2008	Selective mining by shallow excavation of lime-enriched rocks. Tenures lapsed in 2008

Mining Operations	Comments
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC VOLCANIC PROVINCES	Tb-QLD / TERTIARY to TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	ENRICHED LIME DEPOSIT

Mineralisation Age

ORE	CENOZOIC	White calcareous gritty lime-rich sediments lying 1 to 2 m beneath a surface of black soil.

Comments

Web Page

Queensland Minerals

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494146 **PINEVALE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 15 KM SOUTH OF MIRANI, 290KM SE TOWNSVILLE.

1:100 000 sheet Number and Name: 8655 MIRANI

Grid Reference: Zone 55 692213 mE 7643770 mN Latitude -21.2977 Longitude 148.8529 Date Recorded: 14/January/2016

Other Names for Deposit / Mine

Pinevale-Ben Mohr

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1889 to 31-Dec-1957 2,472 tonnes HARD ROCK ORE (OR REEF)

GOLD	FINE	0.7 kilograms	0.30 grams per tonne
SILVER		263.0 kilograms	122.00 grams per tonne
COPPER	METAL	250.0 tonnes	11.50 percent

Published Reserves/Resources

BR 8082 Published in 2006

PINEVALE

PROVED - PROBABLE ORE RESERVE 26,695 tonnes Ore @

117.00 g/t SILVER **FOR** 3,123 Kilograms SILVER

6.80 % COPPER **FOR** 1,815 Tonnes COPPER

0.60 g/t GOLD **FOR** 16 Kilograms GOLD

Based on reserves calculated in 1953. Some 1000t of this may have been extracted between 1953 and 1959.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8082	2006	AXIOM MINING LIMITED	AXIOM PROSPECTUS 2006.	AXIOM MINING LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1889	to	1957	About 2472 t of ore for 720 g gold, 263 kg silver, 250 t copper at average grade of 11.5% copper, 0.3 g/t gold and 122 g/t silver.
1889	to	1909	About 195 t of ore at average grade of 20-30% copper.
1905	to	1905	Pine Vale Copper Company constructed an adit 219 m long.
1942	to	1953	1600 t of ore.
1942	to	1942	Three winzes were sunk to 23 m from the adit level.
1942	to	1957	Three winzes were connected by a drive at the 20 m level, and No 2 and No 3 winzes were deepened to 42 m and connected by a drive.
1956	to	1957	565 t of ore.

Mining Operations	Comments
ADITS	
SHAFTS	
UNDERGROUND MINING METHODS	3 winzes sunk from drives.
STOPING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
JURASSIC-CRETACEOUS IGNEOUS PROVINCES	Ben Mohr Igneous Complex / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK	STOCKWORK
DETAILED OREBODY MODEL	CU +/- AG QUARTZ VEINS	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

The Ben Mohr region straddles the Pinnacle Range and covers part of the contact between the early Permian Carmila Beds on the eastern side, with the Carboniferous-early Cretaceous Urannah Complex to the west. The Ben Mohr stock, possibly a late intrusive of the Urannah Complex, intrudes the Carmila Beds immediately east of the fault. The Carmila Beds comprise lithic and volcanic sediments and acid to intermediate volcanic flows. Country rocks in the Pinevale area consist entirely of Carboniferous-Mesozoic Urannah Complex granites. Several narrow dolerite dykes occur within the granitoid but the main feature is a NE-striking vertical fracture joint system which contains quartz veins and mineralisation. Cross-cutting structures are not mineralised and while the zone is interpreted to continue to the NE beyond the lease it is apparently cut off by a NW-striking fault on its southern extension.

Web Page

www.axiom-mining.com

Queensland Minerals

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36002 **PINNACLE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 8.7 KM NNE OF BONSHAW, 225KM WEST OF BRISBANE.

1:100 000 sheet Number and Name: 9139 ASHFORD

Grid Reference: Zone 56 340022 mE 6789834 mN Latitude -29.0095 Longitude 151.3575 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Pinnacle Limestone Deposit

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST

Production Details

Period: 1-Jul-1999 to 30-Jun-2000

LIMESTONE	CRUSHED ROCK	91,953.0 tonnes
LIMESTONE	AGGREGATE / DECORATIVE AGGREGATE	708.0 tonnes

Published Reserves/Resources

Company Report 7066 Published in 1979

PROBABLE ORE RESERVE 2,000,000 tonnes Ore @ 2,000,000 Tonnes LIMESTONE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1999	to	2000	Quarried by Australian Limestone Pty Ltd.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	50141	100.00%	SIBELCO LIME (NSW) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Texas beds / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	DEVONIAN to CARBONIFEROUS	Limestone.

Comments

The Pinnacle deposit comprises two main outcrops north and south of the Glenlyon Dam road. The limestone is tightly crystalline and massive with little evidence of cavity formation.

The average assay result from dill core was 55.9% CaO, 0.015% Fe_2O_3, 0.014% Al_2O_3, 0.06% SiO_2, 0.25% MgO and 43.84% loss on ignition.

Web Page

www.unimin.com.au

Queensland Minerals

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43913 **PINNACLE CREEK**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 10.3 KM EAST-SOUTH-EAST OF THORNBOROUGH, 65KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7964 RUMULA

Grid Reference: Zone 55 296966 mE 8121341 mN Latitude -16.9829 Longitude 145.0930 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 5882 Published in 1994

PINNACLE CREEK

INFERRED MINERAL RESOURCE 420,000 tonnes Ore @ 1.87 g/t GOLD **FOR** 785 Kilograms GOLD

Resource based on 25 Rc drill holes into the oxidised ore zone.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5882	1994	BLACKWATTLE GOLD LTD	ANNUAL REPORT	BLACKWATTLE GOLD LTD

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13848	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)	

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS

Comments

Gold mineralisation is associated with a quartz-pyrite stockwork in brecciated sedimentary hostrocks. Part of Republic Gold Ltd's Northcote project.

Web Page

www.republicgold.com.au

Queensland Minerals

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44338 **PIPERSLEIGH MARBLE**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 10.8 KM NORTH OF TEXAS, 225KM SW OF BRISBANE.

1:100 000 sheet Number and Name: 9140 TEXAS

Grid Reference: Zone 56 321505 mE 6817576 mN Latitude -28.7568 Longitude 151.1718 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Pipersleigh Marble Deposit

Commodities	Size	Size Definition
BUILDING STONE	SMALL	100 000 - 2 000 000 tonnes BLST
MARBLE	SMALL	10 000 - 100 000 tonnes MARB
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST

Production Details

Published Reserves/Resources

BR 2818 Published in 1973

PIPERSLEIGH MARBLE DEPOSIT

INFERRED MINERAL RESOURCE

165,000 Tonnes Per Vertical Metre LIMESTONE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 2818	1973	SIEMON, J.E.	LIMESTONE RESOURCES OF THE WARWICK-TEXAS AREA.	GEOLOGICAL SURVEY OF QUEENSLAND, REPORT 80.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Texas beds / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	MARBLE DEPOSIT

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS	Marble.

Comments

The marble is banded dark grey and contains minor interbedded red and grey slates.

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38231 **PISOLITE HILLS 1 TO 4**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 50.1KM NE OF WEIPA AIRSTRIP, 580KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7373 AGNEW

Grid Reference: Zone 54 633422 mE 8636566 mN Latitude -12.3307 Longitude 142.2271 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

Area 1
Wenlock River
Wenlock Bauxite Deposit

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

BR 10403 Published in 2014 **PISOLITE HILLS**

INDICATED MINERAL RESOURCE 56,100,000 tonnes Ore @ 37,900,000 Tonnes BAUXITE

37.9Mt dry beneficiated bauxite at 53.5% Al2O3 and 12.5% reactive silica. (includes Pisolite Hills 1 to 6)

BR 10403 Published in 2014 **PISOLITE HILLS**

INFERRED MINERAL RESOURCE 48,800,000 tonnes Ore @ 20,100,000 Tonnes BAUXITE

29.3Mt dry beneficiated bauxite at 51.8% Al2O3 and 13.2% reactive silica. (includes Pisolite Hills 1 to 6)

BR 10403 Published in 2014 **PISOLITE HILLS**

MEASURED MINERAL RESOURCE 27,500,000 tonnes Ore @ 20,100,000 Tonnes BAUXITE

20.1Mt dry beneficiated bauxite at 54.4% Al2O3 and 10.8% reactive silica. (includes Pisolite Hills 1 to 6)

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10403	2014	CAPE ALUMINA PTY LTD	2014 ANNUAL REPORT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 24 OCTOBER 2014. CAPE ALUMINA PTY LTD, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14547	100.00%	CAPE ALUMINA PTY LTD
ML	20572	100.00%	CAPE ALUMINA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

The laterite profile consists of a top zone about 0.5m thick with brown to red sandy soil, a bauxitic zone ranging from about 2 to 3m thick and a lower pisolitic ironstone zone.

The bauxite (generally trihydrate material) consists of small pisolites which are spherical, range from 2 to 12mm in diameter, and are in a fine-grained red matrix. The pisolites are generally red but may be yellow at depth.

Drilling by Cape Alumina Pty Ltd in 2006 intersected bauxite up to 5.5m thick. Drilling was carried out on a nominal 320m by 320m grid, with detailed drilling on a 160m by 160m grid over the southern portion of the Wenlock deposit.

Preliminary sieve analysis suggets the bauxite should yield 60 to 70% using a 1.2mm sieve screen. The deposit is predominantly free digging gibbsite-rich pisolitic bauxite, with minor zones of cemented pisolitic bauxite.

Jul 2010: Metallica reports that the deposit resources will be effected by the Qld Govt Wild River Declaration, establishing a 500m buffer zone around all minor tributaries and small springs around Pisolite Hills (BR9598).

Web Page
www.capealumina.com.au; www.metallicaminerals.com.au

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38282 **PISOLITE HILLS 5 AND 6**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 65.5KM NE OF WEIPA AIRSTRIP, 590KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7373 AGNEW

Grid Reference: Zone 54 640622 mE 8647466 mN Latitude -12.2319 Longitude 142.2928 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

Catfish 1
Catfish 2
Catfish Creek

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14547	100.00%	CAPE ALUMINA PTY LTD
EPM	15278	100.00%	CAPE ALUMINA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

In 2006, Cape Alumina Pty Ltd, a subsidiary of Metallica Minerals Ltd, announced that drilling on a 320m by 320m grid had intersected pisolitic bauxite mineralisation up to 3m thick at Catfish Creek.

Bauxite extends over several square kilometres. Between 1971 to 1973, 65 holes were drilled to an average depth of 3m. Inferred bauxite resources were calculated as 60Mt of bauxite at 46.9% alumina (unbeneficiated).

Only a few patches had 50% alumina. Of the 60Mt of bauxite, only 32.5Mt would average 48.7% alumina. In 1974 and 1975, additional exploration was carried out in EPM 1351 (which covered approximately the same area as EPM 1001).

Commonwealth Alumimium Corp Pty Ltd recalculated inferred bauxite resources of 80.1Mt at 18.3% silica, 49.4% alumina and 7.7% Fe_2O_3 (unbeneficiated) or 55.6Mt bauxite at 16.0% silica, 49.5% alumina and 9.9% Fe_2O_3 (+25 mesh fraction).

2012: individual resource for Pisolte Hill 5: 24.1 Mt insitu dry tonnes yielding 13.4Mt dry beneficiated bauxite at 50.8% Al_2O_3 and 8.3% reactive silica.

2012: individual resource for Pisolite Hill 6: 2.2 Mt insitu dry tonnes yielding 1.3Mt dry beneficiated bauxite at 50.2% Al_2O_3 and 9.2% reactive silica.

Web Page

www.capealumina.com.au; www.metallicaminerals.com.au

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493560 **PLAIN CREEK WEST**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 46 KM WEST OF CAMILA, ADJACENT TO THE OLD BRUCE HIGHWAY, 285KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8753 CONNORS RANGE

Grid Reference: Zone 55 707003 mE 7556196 mN Latitude -22.0868 Longitude 149.0064 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
EARTHY LIME / DOLOMITE (AGRICULTURAL)	MEDIUM	100 000 - 1 000 000 tonnes ELIM

Production Details

Published Reserves/Resources

Company Report 28305 Published in 1996

INFERRED MINERAL RESOURCE 364,131 tonnes Ore @
364,131 Tonnes EARTHY LIME / DOLOMITE (AGRICULTURAL)

Comments/Cut Off Factor: At 87% neutralising value.
Includes 217715t at 80 to 90% neutralising value; 146416t at 90% neutralising value)

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	70413	5.00%	LOS AMERICAS PTY LTD
ML	70413	48.00%	CQ DOLOMITE PTY LTD
ML	70413	48.00%	MACEGATE PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CONNORS SUBPROVINCE	Mount Benmore Volcanics / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	ENRICHED LIME DEPOSIT

Mineralisation Age

ORE	CENOZOIC

Comments

This deposit has formed through the decomposition of andesite of the Camboon Volcanics.

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486731 **PLAINS CREEK**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 180 KM SOUTH OF CHARTERS TOWERS, 10.6KM ENE OF BULLIWALLAH HOMESTEAD

1:100 000 sheet Number and Name: 8254 BULLIWALLAH

Grid Reference: Zone 55 465756 mE 7619712 mN Latitude -21.5249 Longitude 146.6693 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Dolime No.1

Plains Creek Dolomite

Commodities	Size	Size Definition
EARTHY LIME / DOLOMITE (AGRICULTURAL)	SMALL	10 000 - 100 000 tonnes ELIM

Production Details

Published Reserves/Resources

Company Report 28920 Published in 1997 **PLAINS CREEK DOLOMITE**

INFERRED MINERAL RESOURCE 50,000 tonnes Ore @

50,000 Tonnes EARTHY LIME / DOLOMITE (AGRICULTURAL)

Agricultural grade dolomite. This is an estimate, not JORC compliant.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	Old borrow pits and costeans

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
	Quaternary alluvium and lacustrine deposits / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	DOLOMITE DEPOSIT

Mineralisation Age

ORE	QUATERNARY

Comments

The dolomite occurs within Quaternary sediments that were probably deposited in shallow freshwater lake conditions. The carbonate-rich waters were probably derived from the carbonate horizons in the nearby Bulliwallah Formation.

Web Page

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43809 **POM POM**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 7.4 KM WNW OF MOUNT MOLLOY.

1:100 000 sheet Number and Name: 7964 RUMULA

Grid Reference: Zone 55 314874 mE 8157130 mN Latitude -16.6611 Longitude 145.2641 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TUNGSTEN	SMALL	5 - 500 tonnes W

Production Details

Period: 1-Jan-1918 to 31-Dec-1980 482 tonnes HARD ROCK ORE (OR REEF)

WOLFRAMITE 2.0 tonnes

Published Reserves/Resources

BR 1303 Published in 1980

INDICATED MINERAL RESOURCE 2,756 tonnes Ore @ 2.00 % WOLFRAMITE **FOR** 55 Tonnes WOLFRAMITE

BR 1303 Published in 1980

INDICATED MINERAL RESOURCE 5,700 tonnes Ore @ 1.00 % WOLFRAMITE **FOR** 57 Tonnes WOLFRAMITE

BR 1303 Published in 1980

INFERRED MINERAL RESOURCE 23,750 tonnes Ore @ 1.00 % WOLFRAMITE **FOR** 238 Tonnes WOLFRAMITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 1303	1980	GREAVES, G.J.G.	PRELIMINARY REPORT ON THE POM POM TUNGSTEN MINE, MT.MOLLOY.	UNPUBLISHED REPORT HELD BY G.J.G. GREAVES, HERBERTON.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
TRENCHES	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	Mount Carbine Granite / PERMIAN to PERMIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	WOLFRAM VEINS

Mineralisation Age

ORE LATE CARBONIFEROUS to EARLY PERMIAN

Comments

This deposit is hosted by the Hodgkinson Formation, close to the contact with the Mount Carbine Granite. A 130m length was intensively worked in the past.

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490465 **PORCUPINE PIE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: ~10.5 KM SOUTH OF RANNES, 120KM SW OF GLADSTONE.

1:100 000 sheet Number and Name: 8949 BANANA

Grid Reference: Zone 56 208107 mE 7320987 mN Latitude -24.1967 Longitude 150.1266 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

Company Report 29108 Published in 1997

INDICATED MINERAL RESOURCE 745,000 tonnes Ore @ 1.86 g/t GOLD **FOR** 1,385 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
AUBURN SUBPROVINCE	Camboon Volcanics / LATE CARBONIFEROUS to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	

Mineralisation Age

ORE	EARLY PERMIAN

Comments

Epithermal veining within the Camboon Volcanics.

Drilling by D'Aguilar Gold Ltd in late 2007 returned 18m at 0.65g/t Au and 8g/t Ag from 18m, including 8m at 6.23g/t Au and 5.9g/t Ag.

Web Page

www.daguilar.com.au

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38236 **POSSUM POD**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 26.4KM NNE OF AURUKUN MISSION, 550KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7271 AURUKUN

Grid Reference: Zone 54 588122 mE 8548166 mN Latitude -13.1316 Longitude 141.8130 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Aurukun Bauxite Project

Commodities	Size	Size Definition
BAUXITE	MEDIUM	100 000 000 - 200 000 000 t BX

Production Details

Published Reserves/Resources

Company Report 11482 Published in 1983

INFERRED MINERAL RESOURCE 120,000,000 tonnes Ore @
120,000,000 Tonnes BAUXITE

Comments/Cut Off Factor: Grading 51.4% total alumina and 8.6% reactive silica

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

Since CHALCO pulled out the Aurukun bauxite resource has returned to Qld Government control and a developer for the bauxite deposit is being sought through a competitive expression of interest process in 2013.
Tipperary Land Corporation calculated an inferred resource of 22.4Mt grading 50% total alumina and 10% reactive silica, with an additional 300Mt of bauxite possible.
Aluminium Pechiney Holdings Pty Ltd was granted ML 7032 (SBML 9) in 1975 and carried out additional exploration, including a feasibility study. This lease was cancelled in 2004.
Part of RA315: In 2006 CHALCO won right to submit final proposal for development and were granted MDL378. CHALCO planned to invest $3 billion in a 6.5MT/a bauxite mine and 2.1Mt/a alumina refinery on Qld east coast, but pulled out subsequently.

Web Page

www.coordinatorgeneral.qld.gov.au;

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493548 **PRINCHESTER**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 8KM SSE OF MARLBOROUGH, ADJACENT TO BRUCE HIGHWAY.

1:100 000 sheet Number and Name: 8852 MARLBOROUGH

Grid Reference: Zone 55 805494 mE 7468663 mN Latitude -22.8620 Longitude 149.9770 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Princhester Magnesite Project
Prinmar
Railway Flat
Lowville Magnesite
Anniversary
Showcase

Commodities	Size	Size Definition
MAGNESITE	MEDIUM	2 000 000 - 10 000 000 tonnes MS

Production Details

Period: 1-Jan-1988 to 31-Dec-1988

MAGNESITE 80.0 tonnes

Published Reserves/Resources

BR 8541 Published in 2002 **PRINCHESTER MAGNESITE**

INDICATED MINERAL RESOURCE 4,800,000 tonnes Ore @ 46.90 % MAGNESITE **FOR** 2,251,200 Tonnes MAGNESITE

BR 8541 Published in 2002 **PRINCHESTER MAGNESITE**

INFERRED MINERAL RESOURCE 600,000 tonnes Ore @ 46.70 % MAGNESITE **FOR** 280,200 Tonnes MAGNESITE

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8541	2002	MOUNT GRACE RESOURCES LTD	2002 ANNUAL REPORT.	MOUNT GRACE RESOURCES LTD, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	5831	100.00%	LACHLAN STAR LIMITED
ML	5832	100.00%	LACHLAN STAR LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARLBOROUGH PROVINCE	Princhester Serpentinite / NEOPROTEROZOIC to EARLY PALAEOZOIC

Deposit Model

GENERAL OREBODY MODEL RESIDUAL DEPOSIT

DETAILED OREBODY MODEL NODULAR MAGNESITE

Mineralisation Age

ORE CENOZOIC

Comments

These leases are now held by Lachlan Star Ltd (previously Toodyay Resources Ltd).

Web Page

www.lachlanstar.com.au

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506547 **QUARK**

ABANDONED MINE

Descriptive Location: 86KM ESE OF MT ISA, 9KM NNW OF MALBON

1:100 000 sheet Number and Name: 6955 MALBON

Grid Reference: Zone 54 423939 mE 7677753 mN Latitude -20.9992 Longitude 140.2682 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Speculation West

Commodities	Size	Size Definition
SILICA	SMALL	1 000 - 1 000 000 t SIO
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period: 31-Dec-1970 6 tonnes HARD ROCK ORE (OR REEF)

COPPER	OTHER	0.4 tonnes
SILICA		1,998.6 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	
OPEN CUT MINING	May have been on site of old shafts.
TRENCHES	Possibly some stopes.
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15718	100.00%	NORTH QUEENSLAND MINES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MITAKOODI DOMAIN	Cone Creek Metabasalt Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	CU +/- AG QUARTZ VEINS	
DETAILED OREBODY MODEL	ROCK SILICA	
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL	

Mineralisation Age

ORE	PROTEROZOIC	Ferruginous lode 1.5m wide on footwall, copper in shear zone 1.2m then 0.45 ferruginous gossan on hanging wall.

Comments

A continuation of the Celestial and Chinaman lodes.

Web Page

www.goldsearch.com.au

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38768 **QUEEN LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1.6 KM E OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 423977 mE 7779763 mN Latitude -20.0776 Longitude 146.2729 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Queen Consolidated
Queen
New Queen
Queen Tribute
Queen Fissure
Bonnie Dundee
Bonnie Dundee North
No. 6 Ne Queen
Queen P.C.
Bryan O'Lynn
Queen Deeps
Queen Consols
Golden Crown
United Queen Consols
Queen Central Block
No. 2 Queen
Kelly'S Queen Block
Phoebe
Phoebe Lode
Marshall'S Queen
Golden Gate
No. 7 Ne Queen
Eastern Queen
Sunburst
North Queen
No. 6 Queen
Prince Of Wales
No. 2 Queen P.C.

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Period: 1-Jan-1872 to 31-Dec-1916 151,992 tonnes HARD ROCK ORE (OR REEF)

GOLD FINE 5,256.5 kilograms

Published Reserves/Resources

BR 10151 Published in 2012 **C26 QUEEN EAST (GOLDEN GATE)**

INDICATED MINERAL RESOURCE 67,455 tonnes Ore @

13.93 g/t GOLD **FOR** 939 Kilograms GOLD

Comments/Cut Off Factor: 7g/t cut-off

Resource includes a probable ore reserve of 74201t @ 12.03g/t with a 7g/t Au cutoff and 30% payability

BR 10151 Published in 2012 **C3 QUEEN WEST**

INDICATED MINERAL RESOURCE 103,015 tonnes Ore @

32.37 g/t GOLD **FOR** 3,334 Kilograms GOLD

Comments/Cut Off Factor: 7.0 g/t Au cuttoff

Resource includes a probable ore reserve of 113316t @ 27.95g/t with a 7g/t Au cutoff and 30% payability.

BR 10151 Published in 2012 **QUEEN (C3) & SUNBURST**

INFERRED MINERAL RESOURCE 1,679,773 tonnes Ore @

13.50 g/t GOLD **FOR** 22,676 Kilograms GOLD

9.00 g/t SILVER **FOR** 15,117 Kilograms SILVER

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1872	to	1916	Originally discovered in 1872, the reef was worked at the surface for a number of years before being intersected at depth by numerous other mines.

Mining Operations	Comments
SHAFTS	
INCLINED SHAFTS / DRIVES	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	10208	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	LATE SILURIAN to EARLY DEVONIAN

Comments

The Queen Lode is part of Citigold Corporation Limited's Charters Towers Gold Project with three separate resources defined - Queen (C3), C3 Queen West and C26 Queen (Golden Gate).

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41267 **QUEEN OF THE NORTH**

ABANDONED MINE

Descriptive Location: 3.6KM ESE OF MAYTOWN.

1:100 000 sheet Number and Name: 7765 MAYTOWN

Grid Reference: Zone 55 213416 mE 8222579 mN Latitude -16.0599 Longitude 144.3215 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Queen

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1877 to 31-Dec-1909 8,043 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 512.0 kilograms 63.66 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1877	to	1909	Discovered by Bremer, Meirer and Brede in early 1870s. Mine worked by Hewitt and party. Early crushings were very rich but later crushings showed a considerable decrease in grades.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)

Mineralisation Age

ORE PALAEOZOIC

Comments

The Queen of the North lode was stoped out from the water table (30m) to the surface over a strike length of 238m.

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502874 **QUEEN'S GIFT**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 17.7KM NW OF CALTON HILLS HOMESTEAD

1:100 000 sheet Number and Name: 6757 KENNEDY GAP

Grid Reference: Zone 54 319370 mE 7781515 mN Latitude -20.0548 Longitude 139.2728 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Queens Gift No.1
Queens Gift Prospect
Prospector

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U

Production Details

Published Reserves/Resources

BR 9922 Published in 2012 **QUEENS GIFT**

INDICATED MINERAL RESOURCE 650,000 tonnes Ore @ 0.04 % URANIUM OXIDE **FOR** 279 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 300ppm U3O8
Using 2.85t/m3 for fresh and 2.64t/m3 for weathered material

BR 9922 Published in 2012 **QUEENS GIFT**

INFERRED MINERAL RESOURCE 430,000 tonnes Ore @ 0.04 % URANIUM OXIDE **FOR** 184 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 300ppm U3O8
Using 2.85t/m3 for fresh and 2.64t/m3 for weathered material

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9922	2012	DEEP YELLOW LIMITED	DEEP YELLOW LIMITED 2012 ANNUAL REPORT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 29 AUGUST 2012. DEEP YELLOW LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15070	100.00%	SUPERIOR URANIUM PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Cromwell Metabasalt Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	STRATABOUND URANIUM-COPPER

Mineralisation Age

ORE	PROTEROZOIC

Comments

Deep Yellow Ltd acquired this prospect as part of its acquisition of Superior Uranium Pty Ltd in early 2007.
Drilling in 2007 returned 50m at 400ppm U3O8 from 1m depth (true width 25m). Drill results announced in May 2008 included 21m at 893ppm eU3O8 from 73.1m, 24.4m at 513ppm eU3O8 from 124.2m, and 8.4m at 595ppm eU3O8 from 151.7m.
Core drilling results announced in 2008 included 25m at 338ppm U3O8 from 125m, 23m at 634ppm U3O8 from 74m and 7m at 451ppm U3O8 from 154m.
RC drilling results announced in October 2008 included 6m at 356ppm U3O8 from 11m, 69m at 171ppm U3O8 from 68m, 6m at 330ppm U3O8 from 108m and 4m at 527ppm U3O8 from 133m.
RC drilling recommenced in mid-July 2009. Significant intercepts included 27m at 569ppm U3O8 from 79m, 51m at 422ppm U3O8 from 9m, 58m at 449ppm U3O8 from 72m and 28m at 608ppm U3O8 from 69m.
2012: Deep Yellow Ltd engaged in the process of divestment of its Australian assets in order to focus on its assets in Namibia. Limited work is conducted through to December 2012 to keep the tenements in good standing order.

Web Page

www.deepyellow.com.au

39547 **QUEENSLANDER**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 4.9 KM SSE OF EBAGOOLA.

1:100 000 sheet Number and Name: 7569 EBAGOOLA

Grid Reference: Zone 54 747020 mE 8413166 mN Latitude -14.3425 Longitude 143.2903 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1901 to 31-Dec-1902 94 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 2.5 kilograms

Published Reserves/Resources

Company Report 29230 Published in 1997

INFERRED MINERAL RESOURCE 368,000 tonnes Ore @ 2.03 g/t GOLD **FOR** 747 Kilograms GOLD

Comments/Cut Off Factor: 1.0g/t Au cut-off.

"Testing by trenching and drilling has failed as yet to confirm economic gold reserves."

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Kintore Granite / EARLY DEVONIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE PALAEOZOIC

Comments

The Queenslander deposit is held by E.R. Glensk within EPM 12119. In November 2005, Gulf Mines Ltd signed a 3 year option over the Permit and three contained mining leases.

Drilling results announced in February 2008 included 3.8m at 1.09g/t Au from 30m and 4m at 1.16g/t Au from 40m. June 2008 intersections included 8.6m at 0.65g/t Au from 27m.

Drill intersections for the September 2008 quarter included 0.8m at 0.69g/t Au from 44.2m, 0.7m at 0.55g/t Au from 60.6m, 2.7m at 0.65g/t Au from 62.4m, 1.3m at 0.73g/t Au from 45.7m and 1.2m at 0.72g/t Au from 70.8m.

Web Page

www.gulfmines.com.au

Other Names for Deposit / Mine

Queenslander Lode

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
LEAD	SMALL	1000 - 100 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG
ZINC	SMALL	200 - 200 000 tonnes ZN

Production Details

Queensland Minerals

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Published Reserves/Resources

BR 10070 Published in 2011

QUEENSLANDER

INFERRED MINERAL RESOURCE 1,570,000 tonnes Ore @

4.40 % ZINC	**FOR**	69,080 Tonnes ZINC
12.00 g/t SILVER	**FOR**	18,840 Kilograms SILVER
0.50 % COPPER	**FOR**	7,850 Tonnes COPPER
0.20 % LEAD	**FOR**	3,140 Tonnes LEAD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10070	2011	KAGARA MINING	QUARTERLY ACTIVITY REPORT FOR THE PERIOD ENDING 30 DECEMBER 2011.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 30 DECEMBER 2011 KAGARA MINING, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1899	to	1903	
1925	to	1926	

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
SHAFTS	
TRENCHES	
ADITS	
DREDGING	
SURFACE MINING METHODS	
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	Redcap Volcanics / CARBONIFEROUS to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	COPPER SKARN

Mineralisation Age

ORE

Comments

Web Page

http://www.munganagoldmines.com.au/

480144 **QUEENSLANDER REEF**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 3.5 KM NW OF FORSAYTH.

1:100 000 sheet Number and Name: 7660 FORSAYTH

Grid Reference: Zone 54 772041 mE 7945136 mN Latitude -18.5669 Longitude 143.5774 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LEAD	VERY SMALL	<1000 tonnes PB
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period: 1-Jan-1878 to 31-Dec-1943 23,115 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	674.6 kilograms
GOLD	FINE	336.2 kilograms
SILVER		663.1 kilograms
COPPER	METAL	4.2 tonnes

Published Reserves/Resources

BR 9705 Published in 2011 **QUEENSLANDER**

INFERRED MINERAL RESOURCE 34,000 tonnes Ore @ 14.00 g/t GOLD **FOR** 476 Kilograms GOLD

BR 9705 Published in 2011 **QUEENSLANDER**

INFERRED MINERAL RESOURCE 11,000 tonnes Ore @ 18.90 g/t GOLD **FOR** 207 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9705	2011	ALTIUS MINING LIMITED	PROSPECTUS FOR INITIAL PUBLIC OFFERING.	ALTIUS MINING LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	
SURFACE MINING METHODS	Ore dumps from main shafts removed in 1995 by Union Mining and put through their central mill.
OPEN CUT MINING	A 50m long trial open cut slot was excavated along the reef trend by Union Mining in 1995. Backfilled in June 1997.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14498	100.00%	AUSTRALIA UNITED MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Forsayth Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	BASE METAL (POLYMETALLIC)

Mineralisation Age

ORE PALAEOZOIC

Comments

The Queenslander reef strikes east and dips 60 degrees north. It ranged in width from 0.3 to 0.75m. This deposit may have been mined by Union Mining NL in 1996-1997.

Web Page

www.altiusmining.com.au

Queensland Minerals

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493685 **QUITA CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 56KM SOUTH-WEST OF DAJARRA; 27KM S OF ARDMORE HS, 134KM SSW OF MT ISA.

1:100 000 sheet Number and Name: 6754 ARDMORE

Grid Reference: Zone 54 306921 mE 7578567 mN Latitude -21.8864 Longitude 139.1312 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

BR 5107 Published in 1996 **QUITA CREEK**

MEASURED - INDICATED MINERAL RESOURCE 30,000,000 tonnes Ore @ 7.42 % PHOSPHATE **FOR** 2,226,000 Tonnes PHOSPHATE

Average grade of 7.42% P2O5.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5107	1996	DRAPER, J.J.	Phosphate - Queensland Mineral Commodity Report.	Queensland Government Mining Journal, 97 (1131), 14-25.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14905	100.00%	KING EAGLE RESOURCES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Beetle Creek Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE MIDDLE CAMBRIAN

Comments

Golden Cross Resources Limited accquired King Eagle Resources Pty Ltd in June 2007 and is exploring the Quita Creek phosphorite deposit as a possible uranium trap.

Legend International Holdings Inc entered into a joint venture arrangement with Golden Cross Resources over the phosphate resources in May 2008.

Web Page

www.goldenresources.com.au; www.lgdi.net

Queensland Minerals

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493591 **RACECOURSE**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 5 KM SOUTH OF MARLBOROUGH, 170KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8852 MARLBOROUGH

Grid Reference: Zone 55 795343 mE 7466519 mN Latitude -22.8832 Longitude 149.8786 Date Recorded: 16/December/2015

Other Names for Deposit / Mine

Feedlot

Feed Lot

Commodities	Size	Size Definition
CHROMITE	SMALL	100 - 10 000 tonnes CHR

Production Details

Published Reserves/Resources

BR 5661 Published in 1985

INFERRED MINERAL RESOURCE

5,500 Tonnes CHROMITE

Calculated for a depth of 30m.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5661	1985	PRATT, R.	AUSTRALIA'S CHROMITE RESOURCES.	AUSTRALIAN MINERAL INDUSTRY QUARTERLY, 36 (4) 1983, 117-132.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARLBOROUGH PROVINCE	Princhester Serpentinite / NEOPROTEROZOIC to EARLY PALAEOZOIC

Deposit Model

GENERAL OREBODY MODEL	MAFIC VOLCANIC RELATED DEPOSIT
DETAILED OREBODY MODEL	PODIFORM CHROMITE (ALPINE TYPE)

Mineralisation Age

ORE	EARLY PALAEOZOIC

Comments

Web Page

Queensland Minerals

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493547 **RAILWAY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 7.3 KM NORTH-WEST OF KUNWARARA, NEAR RAILWAY CROSSING WITH THE BRUCE HIGHWAY, 155KM NW OF GLA

1:100 000 sheet Number and Name: 8952 PRINCHESTER

Grid Reference: Zone 56 199530 mE 7466110 mN Latitude -22.8859 Longitude 150.0714 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Old Kunwarara Magnesite Quarry

Railway Prospect

Commodities	Size	Size Definition
MAGNESITE	SMALL	10 000 - 2 000 000 tonnes MS

Production Details

Period: 1-Jul-1924 to 30-Jun-1925

MAGNESITE 422.6 tonnes

Published Reserves/Resources

BR 8543 Published in 1964

INFERRED MINERAL RESOURCE

16,256 Tonnes MAGNESITE

Comments/Cut Off Factor: Estimate only

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8543	1964	BROOKS, J.H.	MAGNESITE DEPOSIT, KUNWARARA, CENTRAL QUEENS;AND.	QUEENSLAND GOVERNMENT MINING JOURNAL, 65, 380.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1924	to	1925	Quarry operation by Mount Morgan.

Mining Operations	Comments
OPEN CUT MINING	
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARLBOROUGH PROVINCE	Princhester Serpentinite / NEOPROTEROZOIC to EARLY PALAEOZOIC

Deposit Model

GENERAL OREBODY MODEL	MAFIC VOLCANIC RELATED DEPOSIT
DETAILED OREBODY MODEL	ULTRAMAFIC-HOSTED MAGNESITE VEINS (CRYPTOCRYSTALLINE)

Mineralisation Age

ORE CENOZOIC

Comments

A quarry operation conducted by Mount Morgan between 1924-25 lies at the northern boundary of the deposit. 422t of magnesite was extracted.

Web Page

Queensland Minerals

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479656 **RAILWAY FLAT**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 3.8 KM SOUTH-WEST OF EINASLEIGH, 235KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7760 EINASLEIGH

Grid Reference: Zone 55 190415 mE 7948070 mN Latitude -18.5352 Longitude 144.0677 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Town Common Boundary Gossan

Railway Flats

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
SILVER	SMALL	5 - 500 tonnes AG
LEAD	SMALL	1000 - 100 000 tonnes PB
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

BR 10071 Published in 2012

RAILWAY FLAT

INFERRED MINERAL RESOURCE 900,000 tonnes Ore @

3.40 % ZINC	**FOR**	30,600 Tonnes ZINC
16.00 g/t SILVER	**FOR**	14,400 Kilograms SILVER
0.90 % LEAD	**FOR**	8,100 Tonnes LEAD
0.20 % COPPER	**FOR**	1,800 Tonnes COPPER

Comments/Cut Off Factor: 2.0% Zn

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10071	2012	KAGARA MINING	OPPORTUNITY TO ACQUIRE KAGARA LIMITED'S NORTH QUEENSLAND ASSETS	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 14 SEPTEMBER 2012 KAGARA MINING, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13072	100.00%	SNOW PEAK MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Einasleigh Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (BROKEN HILL TYPE)
DETAILED OREBODY MODEL	BASE METAL SKARN

Mineralisation Age

ORE PALAEOPROTEROZOIC

Comments

This mineralisation occurs in the biotite gneiss facies of the Einasleigh Metamorphics, close to the transition with the calc-silicate gneiss facies and is associated with epidote and chlorite alteration.

Drilling intersections announced in July 2008 included 8m at 7.6% Zn, 2% Pb, 40g/t Ag and 0.4% Cu from 102.8m and 5m at 8% Zn, 2.8% Pb, 50g/t Ag and 0.4% Cu from 166.2m.

Web Page

www.kagara.com.au

Queensland Minerals

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39010 **RAINBOW-WYNDHAM LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1.3 KM S OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 422214 mE 7778660 mN Latitude -20.0875 Longitude 146.2560 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Rainbow Lode
Wyndham Lode
Rainbow-Wyndham
Rainbow
Oliver
Lucky Hit
Pot Luck
Rainbow End
Rainbow Extended
Wyndham
General Wyndham
C14 Rainbow Wyndham
Eastward Ho
Rainbow No. 1 North
Rainbow Nos. 1, 2 And 3 South.

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1872	to	31-Dec-1894		41,515 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	1,301.0 kilograms
GOLD				FINE	875.2 kilograms
Period:	1-Jan-1934	to	31-Dec-1941		85 tonnes HARD ROCK ORE (OR REEF)
GOLD				FINE	4.8 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1872	to	1898	
1934	to	1950	A parallel reef 160m to the east of the Rainbow Reef was worked intermittently during these years.

Mining Operations	Comments
INCLINED SHAFTS / DRIVES	
UNDERGROUND MINING METHODS	
SHAFTS	At least 19 shafts worked the lode.

Tenure Type/Number	SHARE	Company Name/Surname
MDL 116	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Web Page

www.citigold.com

Queensland Minerals

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501299 **RAVENSBOURNE**

CARE AND MAINTENANCE

Descriptive Location: 5KM NE OF RAVENSBOURNE, ESK AREA, WEST OF BRISBANE.

1:100 000 sheet Number and Name: 9343 ESK

Grid Reference: Zone 56 419174 mE 6977437 mN Latitude -27.3237 Longitude 152.1830 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
KAOLIN / KAOLINITE	SMALL	2 000 - 200 000 tonnes KAO
BRICK CLAY	MEDIUM	200 000 - 20 000 000 tonnes BKCY
SAND	LARGE	>2 500 000 tonnes SD

Production Details

Period:	1-Jul-1996	to	30-Jun-1997	
BRICK CLAY				11,000.0 tonnes
Period:	1-Jul-1998	to	30-Jun-1999	
BRICK CLAY				14,444.0 tonnes
Period:	1-Jul-1999	to	30-Jun-2000	
BRICK CLAY				18,270.0 tonnes
Period:	1-Jul-2000	to	30-Jun-2001	
BRICK CLAY				11,606.0 tonnes
Period:	1-Jul-2001	to	30-Jun-2002	
BRICK CLAY				12,993.0 tonnes
Period:	1-Jul-2002	to	30-Jun-2003	
BRICK CLAY				13,088.0 tonnes
Period:	1-Jul-2004	to	30-Jun-2005	
KAOLIN / KAOLINITE				15,405.0 tonnes
Period:	1-Jul-2005	to	30-Jun-2006	
KAOLIN / KAOLINITE				15,349.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1980	to	2005	Mined by several operators during this period.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CLARENCE-MORETON BASIN	Woogaroo Subgroup / LATE TRIASSIC to EARLY JURASSIC

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE LATE TRIASSIC to EARLY JURASSIC

Comments

Sandstone of the Woogaroo Sub Group is overlain by basalt lavas of the Main Range Volcanics. The sandstone was deeply weathered during the Tertiary period producing a soft, friable and easily excavated sandy material.

The sandstone is fine to coarse grained, with some variation between different beds. Sand is produced for concreting, clay for building products, and basalt for road base.

Web Page

http://www.hanson.biz/au/index.asp

Queensland Minerals

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496913 **REBOUND**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 46.0KM W OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 403360 mE 7718095 mN Latitude -20.6338 Longitude 140.0724 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Trikay
Maleter
Rebounce

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

Company Report 33007 Published in 2001 **REBOUND OXIDISED CU-AU**

INFERRED MINERAL RESOURCE 736,000 tonnes Ore @

7.67 % COPPER **FOR** 56,451 Tonnes COPPER

1.02 g/t GOLD **FOR** 750 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	PROTEROZOIC

Comments

Information on Ausmines website in 2002 indicated an inferred resource of 414 000t at 14% Cu, for a total of 57 960t Cu, including gold-rich patches assaying up to 5g/t. This resource calculation was based on surface exposures only - no drilling.

Web Page

Queensland Minerals

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480281 **RED DAM**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 11.7 KM E OF DAGWORTH STATION.

1:100 000 sheet Number and Name: 7662 GALLOWAY

Grid Reference: Zone 54 786120 mE 8015016 mN Latitude -17.9341 Longitude 143.7009 Date Recorded: 10/March/2016

Other Names for Deposit / Mine

Dagworth 1

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Published Reserves/Resources

BR 7975 Published in 2006

CENTRAL OXIDE

INDICATED MINERAL RESOURCE 15,100 tonnes Ore @

29.60 g/t SILVER **FOR** 446 Kilograms SILVER

21.10 g/t GOLD **FOR** 318 Kilograms GOLD

BR 7975 Published in 2006

CENTRAL SULPHIDE

INFERRED MINERAL RESOURCE 120,000 tonnes Ore @

35.00 g/t SILVER **FOR** 4,200 Kilograms SILVER

21.00 g/t GOLD **FOR** 2,520 Kilograms GOLD

BR 7975 Published in 2006

EASTERN OXIDE

INFERRED MINERAL RESOURCE 10,500 tonnes Ore @

6.00 g/t SILVER **FOR** 63 Kilograms SILVER

5.80 g/t GOLD **FOR** 60 Kilograms GOLD

BR 7975 Published in 2006

WESTERN OXIDE

INDICATED MINERAL RESOURCE 5,600 tonnes Ore @

53.80 g/t SILVER **FOR** 301 Kilograms SILVER

18.50 g/t GOLD **FOR** 103 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7975	2006	PLENTEX LIMITED	ACQUISITION OF GEORGETOWN MINING LIMITED AND MINERAL TENEMENTS AND DECOMMISSIONED CIP PLANT FROM OTHER PARTIES.	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE, 15 SEPTEMBER 2006. PLENTEX LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9158	100.00%	CENTRAL GOLD MINES PTY LTD
ML	30203	100.00%	CENTRAL GOLD MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Lane Creek Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
ETHERIDGE PROVINCE	Cobbold Metadolerite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK	SUPERGENE ENRICHED
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL	

Mineralisation Age

ORE	PALAEOZOIC

Comments

Gold mineralisation occurs in three separate shoots along a sulphide-rich vein in an east-trending shear. CRA Exploration drilled the oreshoots and calculated resource figures.

Plentex Ltd have acquired the deposit as part of a takeover of Georgetown Mining Ltd. A feasibility study commenced in August 2007, in relation to mining ore from Red Dam and trucking it to its decommissioned CIP plant 6km south of Georgetown.

Deutsche Rohstoff AG mined Red Dam together with Electric Light and Jubilee Plunger and transported the ore to Georgetown for processing. All mining operations ceased in December 2011 and the operation wwas sold to JKO Mining in Sept 2012.

Joint production in 2011 from the Georgetown operations is reported in the Jubilee Plunger site. JKO Mining is hoping to recommence mining production in 2013.

Deutsche Rohstoff Australia Pty Ltd acquired Plentex Ltd in 2009 and began mining near surface oxide resources end of 2010 and completed mining early 2011. Exploration work is now being undertaken at the mine for sulphide resources (BR 9827).

Web Page

http://www.rohstoff.de and http://www.jkomining.com.au

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42126 **RED DOME**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: SE OF MUNGANA.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 223884 mE 8105509 mN Latitude -17.1183 Longitude 144.4051 Date Recorded: 8/March/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG
ZINC	SMALL	200 - 200 000 tonnes ZN
MOLYBDENUM	VERY SMALL	<50 tonnes MO
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Period: 1-Jan-1986 to 31-Dec-1998 12,200,000 tonnes HARD ROCK ORE (OR REEF)

GOLD	FINE	22,716.0 kilograms
SILVER		105,855.0 kilograms
COPPER	METAL	36,059.0 tonnes

Published Reserves/Resources

BR 9792 Published in 2011 **RED DOME**

INDICATED MINERAL RESOURCE 22,700,000 tonnes Ore @

4.90 g/t SILVER **FOR** 111,230 Kilograms SILVER

0.21 % COPPER **FOR** 47,670 Tonnes COPPER

0.56 g/t GOLD **FOR** 12,712 Kilograms GOLD

Comments/Cut Off Factor: 0.35 AuEQ (=Au + 1.96*Cu + 0.0158)

BR 9792 Published in 2011 **RED DOME**

INFERRED MINERAL RESOURCE 22,900,000 tonnes Ore @

6.60 g/t SILVER **FOR** 151,140 Kilograms SILVER

0.23 % COPPER **FOR** 52,670 Tonnes COPPER

0.59 g/t GOLD **FOR** 13,511 Kilograms GOLD

Comments/Cut Off Factor: 0.35 AuEQ (=Au + 1.96*Cu + 0.0158)

BR 9792 Published in 2011 **RED DOME**

MEASURED MINERAL RESOURCE 23,600,000 tonnes Ore @

4.00 g/t SILVER **FOR** 94,400 Kilograms SILVER

0.27 % COPPER **FOR** 63,720 Tonnes COPPER

0.74 g/t GOLD **FOR** 17,464 Kilograms GOLD

Comments/Cut Off Factor: 0.35 AuEQ (=Au + 1.96*Cu + 0.0158)

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9792	2011	MUNGANA GOLDMINES LTD	ANNUAL REPORT 2011	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 17 OCTOBER 2011. MUNGANA GOLDMINES LTD, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1978	to	1978	Red Dome was discovered.
1986	to	1998	Mining ceased in mid 1996. Treatment of tailings and low grade dumps continued until 1998.
2002			Kagara Zinc Ltd acquired mining leases as part of its regional base metal projects in July 2002.

Mining Operations	Comments
OPEN CUT MINING	
PITS	
SHAFTS	
TRENCHES	
UNDERGROUND MINING METHODS	

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Tenure Type/Number		SHARE	Company Name/Surname
ML	4928	100.00%	MUNGANA GOLDMINES LTD
ML	4977	100.00%	MUNGANA GOLDMINES LTD
ML	5176	100.00%	MUNGANA GOLDMINES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	GOLD SKARN
GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU

Mineralisation Age

ORE	LATE CARBONIFEROUS to EARLY PERMIAN	K-Ar date on sericite alteration of ~310 Ma and U-Pb date on zircon from magmatism/mineralisation? of ~320 Ma (Perkins & Kennedy, 1998).

Comments

Red Dome is a skarn-related gold deposit formed by the intrusion of high-level, late Carboniferous, fractionated I-type felsic intrusives into carbonate host rocks of the Chillagoe Formation.
Gold is not thought to have developed during early skarn development but rather during retrograde alteration and late veining.
Gold is essentially confined to the skarn sequence and has only been identified in the margins of the rhyolite, associated with late calcite veins.
Exploration was temporarily suspended at the end of 2008. Mungana Goldmines Ltd was listed in June 2010 to house the gold assets of Kagara Ltd.
Drilling results from the first half of 2007 increased the probability of a major gold development at Red Dome-Mungana.
In May 2007, Kagara Zinc Ltd announced that drilling had intersected 62m at 1.08g/t Au and 0.1% Cu (including 33m at 1.78g/t Au, 0.3% Cu and 8g/t Ag) and 36.7m at 2.4g/t Au and 0.1% Cu (including 13.3m at 5.48g/t Au and 0.1% Cu) in the Main Zone.
Drilling in the Upper Zone intersected 23.7m at 0.61g/t Au, 0.4% Cu and 17g/t Ag. A 16m wide zone of molybdenum,mineralisation was also intersected in the Upper Zone.
Hole 937W4, drilled in 2008 to test extensions to the deposit, intersected 63.45m at 3.14g/t Au from 1002m. Hole 937W5 intersected 85.2m at 1.6g/t Au from 959.8m, including 22.6m at 2.15g/t Au and 15.5m at 2.97g/t Au.
In January 2011 Mungana Gold Mines released a significant update on resource figures: Total resource at 69.2Mt @ 0.63g/t Au, 0.24% Cu, 5g/t Ag for 1.40Moz Au, 163kt Cu, 11.5Moz Ag (BR9603).
In March 2011 Mungana GM and Kagara Ltd announced reaching agreement on Red Dome Copper Zone. Kagara to assume ownership on Red Dome Copper Zone, including a series of high grade copper intersections to south of Red Dome. In return Mungana GM will receive
(March 2011: cont1) 4% Net smelter return royalty on all ore milled within Red Dome Copper Zone. Mungana GM will also have sole ownership of any mineralisation in the Red Dome Agreement Area and outside the Copper mineralisation Agreement area (BR9628).
(March 2011: cont2) As part of the settlement, Kagara will transfer to Munguna underground development and workings at Red Dome and Munguna at no cost (BR9629).
In October 2010 Kagara reported significant new intersections: Hole 995: 10.4m @ 6.5% Cu & 0.89g/t Au from 297m; Hole 998: 12.91m @ 7.79% Cu & 0.99g/t Au from 422m; Hole 1001: 4.1m @ 5.75% Cu & 0.24g/t Au from 510m (BR9592).
Oct 2010 (cont1): Hole 1001W1: 8.7m @ 7.92% Cu & 0.05g/t Au from 578m (BR9592).
In October 2011 Mungana reported main zone intersections in Red Dome pit to be: 75.35m @ 1.1g/t Au, 0.1%Cu & 6g/t Ag (Hole 989); 156.9m @ 1.6g/t Au, 0.1% Cu & 4g/t Ag (Hole 995); 110.3m @ 1.1g/t Au, 0.1% Cu & 1g/t Ag (Hole 997)
Oct 2011 (Cont.) 58.20m @ 1.6g/t Au, 0.1% Cu & 4g/t Ag (Hole 999); 70.10m @ 1.5g/t Au, 0.1% Cu & 5g/t Ag (Hole 1015) (BR9792).
Oct 2011 (cont2) Upper zone intersections wer 94.80m @ 1.2g/t Au, 0.1% Cu & 2g/t Ag (Hole 996); 155.7m @ 0.8g/t Au, 0.2% Cu & 6g/t Ag (Hole 999), 160.4m @ 1.1g/t Au, 0.1% CU & 2g/t Ag (Hole 1000), 137.7m @ 1.2g/t Au, 0.1% Cu & 4g/t Ag (Hole 1002)
Oct 2011 (cont3) 109.5m @ 1.2g/t Au, 0.3% Cu & 11g/t Ag (Hole 1017) (BR9792).
April 2011: High grade intersections were reported below the current extent of the open pit in the Griffiths Hill zone. Including 17m @ 4.33% Cu, 0.6g/t Au, 113.7g/t Ag, 8.4m @ 7.41% Cu, 0.93g/t Au, 192g/t Ag & 12.9m @ 7.79% Cu, 0.99g/t Au, 55.8g/t Ag.
Significant new drill intersections announced in August 2010 included 131.1m at 0.43g/t Au, 0.09% Cu and 4.3g/t Ag from 350m, 20.5m at 1.22g/t Au, 0.93% Cu and 64g/t Ag from 502.2m and 75.35m at 1.22g/t Au, 0.06% Cu and 6g/t Ag from 601.65m.

Web Page

www.munganagoldmines.com.au

Queensland Minerals

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559769 **RED HILL**

CARE AND MAINTENANCE

Descriptive Location: 40KM ENE OF OLD CORK HOMESTEAD

1:100 000 sheet Number and Name: 7352 TULMUR

Grid Reference: Zone 54 628221 mE 7476366 mN Latitude -22.8154 Longitude 142.2494 Date Recorded: 15/February/2016

Other Names for Deposit / Mine

Tom

Commodities	Size	Size Definition
GYPSUM	SMALL	5 000 - 5 000 000 tonnes GYP

Production Details

Period: 1-Jul-2001 to 30-Jun-2002

GYPSUM 1,628.0 tonnes

Period: 1-Jul-2006 to 30-Jun-2009

GYPSUM 5,289.4 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Operating Mine Life: 2001 to 2002 Mined by R.P. Dooley.

Mining Operations	Comments
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	95300	100.00%	DOOLEY	Ray Peter
ML	95597	50.00%	WILKINS	Maxwell John
ML	95597	50.00%	WILKINS	Robert James
ML	95621	50.00%	WILKINS	Maxwell John
ML	95621	50.00%	WILKINS	Robert James
ML	95622	50.00%	WILKINS	Maxwell John
ML	95622	50.00%	WILKINS	Robert James

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
	Old Cork beds / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL EVAPORITE DEPOSIT

Mineralisation Age

ORE TERTIARY

Comments

Web Page

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493646 **RED TREE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 25.5 KM SOUTH-WEST OF WESTMORELAND, 350KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6562 HEDLEYS CREEK

Grid Reference: Zone 54 192222 mE 8060720 mN Latitude -17.5186 Longitude 138.1015 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Jack

Commodities	Size	Size Definition
URANIUM	MEDIUM	10 000 - 40 000 tonnes U

Production Details

Published Reserves/Resources

BR 9289 Published in 2009 **RED TREE**

INDICATED MINERAL RESOURCE 12,858,750 tonnes Ore @ 0.09 % URANIUM OXIDE **FOR** 11,572 Tonnes URANIUM OXIDE

NI 43-101 compliant

BR 9289 Published in 2009 **RED TREE**

INFERRED MINERAL RESOURCE 4,466,750 tonnes Ore @ 0.07 % URANIUM OXIDE **FOR** 2,992 Tonnes URANIUM OXIDE

NI 43-101 compliant

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9289	2009	LARAMIDE RESOURCES LTD	LARAMIDE ANNOUNCES UPDATED NI 43-101 COMPLIANT RESOURCES REPORT ON WESTMORELAND.	ANNOUNCEMENT TO THE TOTONTO STOCK EXCHANGE, 23 APRIL 2009. LARAMIDE RESOURCES LTD, TORONTO.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14558	100.00%	TACKLE RESOURCES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Westmoreland Conglomerate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	UNCONFORMITY-RELATED DEPOSIT
DETAILED OREBODY MODEL	UNCONFORMITY U-AU (VEIN-TYPE U)

Mineralisation Age

ORE	NEOPROTEROZOIC	Dating of nine uraniferous samples from the Westmoreland area indicated one major mineralising event at 812+-55Ma (Schindlmayr & Beerbaum, 1986).

Comments

The Jack prospect consists of tabular lenses of predominantly secondary uranium mineralisation that are 6 to 9m thick and 6 to 9m below ground surface. It is now held by Canadian company Laramide Resources Ltd.

Drilling results announced in January 2009 included 10m at 0.66% U3O8, 8m at 0.25% U3O8 and 10m at 0.23% U3O8.

The resource for the Red Tree (Jack) deposit includes Garee and Namalangi.

Drilling results announced in 2008 included 7m at 0.22% U3O8 from 44m, 29m at 0.18% U3O8 from 22m, 15m at 0.31% U3O8 from 11m, and 3m at 0.3% U3O8 from 77m.

In 2011 Laramide reported the results for a metallurgical study (ANSTO report) identifying definitive process route options for the project and providing engineering design data sufficient to support a pre-feasibility level of study. (www.sedar.com)

The ANSTO report concluded that high recoveries were achieved from all 4 tested areas using conventional uranium processing route. (Conventional leaching conditions were 55wt% solids, 40deg C, pH 1.5, P80 of 250µm and ORP of 500mV). These conditions ...

(ANSTO cont.) yielded uranium extraction at 97% for the tested ores from Redtree and Junnagunna, with acid additions of only 18 and 14kg/t for Junnagunna and Redtree, respectively. Also the predicted pyrolusite requirements were low at 3.0kg/t for both.

(ANSTO cont2.) The ANSTO study was completed on 4 composite lens samples (Junnagunaa, Redtree Upper, Redtree Lower and Jack(s)) within the Westmoreland deposit (BR9911).

Web Page

www.laramide.com

Queensland Minerals

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493671 **REEDY**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: SOUTH OF CANNIBAL CREEK.

1:100 000 sheet Number and Name: 7865 SOUTH PALMER RIVER

Grid Reference: Zone 55 242715 mE 8187669 mN Latitude -16.3785 Longitude 144.5913 Date Recorded: 23/November/2012

Other Names for Deposit / Mine

Cardia

Reedy 8a

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 9939 Published in 2011

REEDY/HURRICANE

INFERRED MINERAL RESOURCE 885,555 tonnes Ore @ 1.30 g/t GOLD **FOR** 1,151 Kilograms GOLD

Comments/Cut Off Factor: Cutoff not reported

90% figure reported by Republic->recalculated

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9939	2011	REPUBLIC GOLD LIMITED	ANNUAL REPORT 2011	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 31 SEPTEMBER 2011. REPUBLIC GOLD LIMITED, MAREEBA.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9934	6.00%	GATEWAY MINING LIMITED
EPM	9934	4.00%	A CAP RESOURCES LIMITED
EPM	9934	90.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)

Mineralisation Age

ORE	PALAEOZOIC

Comments

The Reedy prospect is at the confluence of three major fault systems - the Kondaparinga, Hurricane and Fiery Creek Faults. The northern part is intruded by the Cannibal Creek Granite and numerous dykes.

Numerous ductile shear zones occur within the sediments and strike south-east, with a steep north-westerly dip.

The resource figure includes the Hurricane prospect, which is to the south of Reedy. These prospects are held by a joint venture between Republic Gold Ltd and Gateway Mining Ltd.

Republic Gold Ltd was earning up to 90% in the prospect. On the 14th of October Republic Gold sold all assets in Far North Queensland to Territory Minerals Pty Ltd (BR9940).

Web Page

www.republicgold.com.au; www.gatewaymining.com.au

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494848 **REFEREE**

ABANDONED MINE

Descriptive Location: 59 KM NE OF MOUNT ISA, 32.5 KM S OF GERETA HOMESTEAD.

1:100 000 sheet Number and Name: 6857 PROSPECTOR

Grid Reference: Zone 54 379976 mE 7753259 mN Latitude -20.3148 Longitude 139.8504 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Referee Extended
Referee Extended 1
Referee West
Referee South
Referee 1
Referee 2
Referee 3
Ruth

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1905 to 31-Dec-1972 7,359 tonnes HARD ROCK ORE (OR REEF)

COPPER	OTHER	691.5 tonnes	9.40 percent
GOLD	BULLION	16.1 kilograms	
SILVER		0.4 kilograms	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1905			The Referee was originally known as the Ruth and was worked for a short period in 1905.
1922	to	1965	Worked intermittently as the Referee mine from 1922 to 1940 and from 1950 to 1965. Copper grades declined from a peak of 36% Cu in 1922 to about 5% Cu in the 1950s. The old workings were re-opened in 1965.
1968	to	1970	Robinson's shaft is east of the main shaft and Fishers' shaft is farther to the east along the lode from Robinson's shaft.
		1979	The mine was worked until 1979 and the ore was trucked to Mount Isa.
		1966	Records indicate that the ore grades declined with depth.

Mining Operations	Comments
SHAFTS	
OPEN CUT MINING	50m long x 30m wide x 8 to 12m deep.
UNDERGROUND MINING METHODS	
STOPING	
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KALKADOON-LEICHHARDT DOMAIN	Kalkadoon Granodiorite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	PROTEROZOIC

Comments

Copper mineralisation was largely confined to carbonates that occur in limonitic gossan and quartz gangue (BR 5062).

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41727 **RETINA**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 63KM WEST OF MOUNT CARBINE, 125KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7864 MOUNT MULLIGAN

Grid Reference: Zone 55 237815 mE 8164768 mN Latitude -16.5848 Longitude 144.5428 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Big A
Peter Pan
Mitchell River Antimony Mine
Retina South

Commodities	Size	Size Definition
ANTIMONY	SMALL	50 - 5 000 tonnes SB
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1890	to	31-Dec-1970		4,374 tonnes HARD ROCK ORE (OR REEF)
ANTIMONY					389.0 tonnes
Period:	1-Jul-1998	to	30-Jun-1999		
GOLD				FINE	59.7 kilograms
SILVER					0.0 kilograms
Period:	1-Jul-2000	to	30-Jun-2001		
GOLD				FINE	4.2 kilograms
SILVER					0.0 kilograms
Period:	1-Jul-2001	to	30-Jun-2002		
GOLD				FINE	42.5 kilograms
SILVER					8.0 kilograms

Published Reserves/Resources

Company Report 14316 Published in 1972 **RETINA ANTIMONY**

INFERRED MINERAL RESOURCE 45,000 tonnes Ore @ 5.00 % ANTIMONY **FOR** 2,250 Tonnes ANTIMONY

from surface to RL 120m.

Company Report 20970 Published in 1989 **RETINA NORTH GOLD**

INDICATED MINERAL RESOURCE 115,000 tonnes Ore @ 1.46 g/t GOLD **FOR** 168 Kilograms GOLD

To 30m depth. Including 31,000t @ 2.30g/tAu.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1890	to	1906	
1917	to	1917	
1941	to	1941	
1947	to	1947	
1951	to	1952	
1970	to	1970	
1985	to	1990	Solomon Mines did further open cutting to the south and north of previous underground mining activity.
2005			Part of Republic Gold's Tregoora project, currently drilling in the area to define current resource.

Queensland Minerals

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Mining Operations | **Comments**

OPEN CUT MINING

UNDERGROUND MINING METHODS

PITS

SHAFTS

TRENCHES

ADITS

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13937	100.00%	TERRITORY MINERALS LTD
ML	4791	100.00%	TERRITORY MINERALS LTD
ML	4943	100.00%	TERRITORY MINERALS LTD
ML	20518	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SIMPLE SB (QUARTZ-STIBNITE TYPE)

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS

Comments

Drilling at Retina South in late 2009-early 2010 intersected 10m at 2.23g/t Au from 10m, 22m at 1.63g/t Au from 34m, 10m at 1.71g/t Au from 24m and 2m at 2.01% Sb from 54m.
Stibnite-gold mineralisation is localised as several lens-shaped bodies over a strike length of 350 m and to a maximum width of 8 m along a well defined fault called the Retina Fault.
Drilling at Retina North by Republic Gold Ltd in 2006 returned 23m at 1.85g/t Au, including 12m at 2.88g/t Au.
Republic Gold Limited announced in August 2009 that it had purchased Mls4791 and 4943 from Mr Noel Adam.

Web Page

www.republicgold.com.au

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

478732 **RHONDDA COLLIERIES**

ABANDONED MINE

Descriptive Location: 187 WHITWOOD ROAD, NEW CHUM

1:100 000 sheet Number and Name: 9442 IPSWICH

Grid Reference: Zone 56 481330 mE 6942240 mN Latitude -27.6437 Longitude 152.8107 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY
GRAVEL		

Production Details

Period: 1-Jul-1999 to 30-Jun-2006

GRAVEL 320,965.0 tonnes

Period: 1-Jul-2003 to 30-Jun-2007

BRICK CLAY 84,234.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	4573	100.00%	BOGSIDE MINING INDUSTRIES PTY LTD
ML	4581	100.00%	BOGSIDE MINING INDUSTRIES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
IPSWICH BASIN	Blackstone Formation / LATE TRIASSIC to LATE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	LATE TRIASSIC

Comments

Web Page

Queensland Minerals

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479290 **RICHMOND**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 9.8 KM ESE OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 639871 mE 7981894 mN Latitude -18.2477 Longitude 142.3230 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1887 to 31-Dec-1940 7,542 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 784.1 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	
TRENCHES	
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 9438	100.00%	CRATER GOLD MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

The Richmond reef crops out along the western side of Richmond Hill, just below a capping of sandstone of the Mesozoic Gilbert River Formation. Most of the gold production came from the P.C. workings, where the underlie shaft was 204 m long. The reef com prises 75 to 300 mm wide euhedral buck and comb quartz veins in a 1.2 m wide "formation" of quartz-veined granite. Gold was mined from a number of veins. The bullion fineness decreased from 520 at the surface to 400 with increasing depth (Edwards, 1953).

Rock chip samples collected by Picklands Mather and Company International assayed 0.92 to 1.53 g/t Au. Dump samples collected by Pancontinental Mining Ltd assayed 0.1 to 1.0 g/t Au and up to 395 ppm Pb; one sample assayed 6.53 g/t Au.

Web Page

www.goldaura.com.au

Queensland Minerals

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578405 **RIDLEYS**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: SOUTH OF KILKIVAN

1:100 000 sheet Number and Name: 9345 GOOMERI

Grid Reference: Zone 56 429650 mE 7100100 mN Latitude -26.2168 Longitude 152.2958 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Jackson North

Blacksnake Nickel

Commodities	Size	Size Definition
NICKEL	SMALL	250 - 25 000 tonnes NI
COBALT	SMALL	10 - 1 000 tonnes CO

Production Details

Published Reserves/Resources

BR 8736 Published in 2008 **RIDLEYS**

INFERRED MINERAL RESOURCE 792,000 tonnes Ore @

0.87 % NICKEL **FOR** 6,890 Tonnes NICKEL

0.07 % COBALT **FOR** 554 Tonnes COBALT

Comments/Cut Off Factor: 0.4% Ni cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8736	2008	D'AGUILAR GOLD LIMITED	HIGH GRADE COBALT-NICKEL INTERCEPTED AT MT COBALT.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 30 JULY 2008. D'AGUILAR GOLD LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NORTH D'AGUILAR SUBPROVINCE	Mount Mia Serpentinite / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC NICKEL

Mineralisation Age

ORE

Comments

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491054 **RIVERSLEIGH**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 37.7KM S OF LAWN HILL, 200KM NORTH OF MT ISA.

1:100 000 sheet Number and Name: 6660 LAWN HILL

Grid Reference: Zone 54 249396 mE 7903878 mN Latitude -18.9421 Longitude 138.6203 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

Company Report 15312 Published in 1986 **RIVERSLEIGH**

INFERRED MINERAL RESOURCE 11,400,000 tonnes Ore @ 14.40 % PHOSPHATE **FOR** 1,641,600 Tonnes PHOSPHATE

Comments/Cut Off Factor: 10% P2O5 cutoff.

At an average grade of 14.4% P2O5, 3.7% Al2O3, 2.4% Fe2O3, 0.9% CO2.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10544	100.00%	MMG AUSTRALIA LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Border Waterhole Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	MIDDLE CAMBRIAN

Comments

Newland Resources Ltd purchased the EPM containing this deposit from Summit Resources in April 2008. This EPM was relinquished in 2009.

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517079 **ROBERTS CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 42.1KM SE OF CLONCURRY.

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 480200 mE 7682580 mN Latitude -20.9571 Longitude 140.8095 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Roberts Creek Prospect

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

INFERRED MINERAL RESOURCE 82,000 tonnes Ore @

1.06 % COPPER **FOR** 869 Tonnes COPPER

2.42 g/t GOLD **FOR** 198 Kilograms GOLD

Comments/Cut Off Factor: Resource figures from Breakaway Resources Ltd website. Resource calculation was done in 1997.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Mount Norna Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Web Page

www.breakawayresources.com.au

Queensland Minerals

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493687 **ROCKY POINT**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 38.8KM ENE OF MIRIAM VALE

1:100 000 sheet Number and Name: 9249 MIRIAM VALE

Grid Reference: Zone 56 391505 mE 7318175 mN Latitude -24.2454 Longitude 151.9313 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Agnes Waters

Workman

Commodities	Size	Size Definition
ILMENITE	SMALL	5 000 - 5 000 000 tonnes IM
RUTILE	SMALL	2 000 - 200 000 tonnes RUT
ZIRCON	SMALL	500 - 500 000 tonnes ZIR

Production Details

Published Reserves/Resources

BR 7556 Published in 1990

INDICATED MINERAL RESOURCE

683,200 Tonnes ILMENITE

35,300 Tonnes ZIRCON

20,100 Tonnes RUTILE

Total resources for Round Hill Head, Rocky Point and Deepwater

BR 7556 Published in 1990

MEASURED MINERAL RESOURCE

34,100 Tonnes ILMENITE

1,700 Tonnes ZIRCON

600 Tonnes RUTILE

Total resources for Round Hill Head, Rocky Point and Deepwater.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7556	1990	COOPER, W.	QUEENSLAND MINERAL COMMODITY REPORT. MINERAL SANDS.	QUEENSLAND GOVERNMENT MINING JOURNAL, 91, 61-66.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT HEAVY MINERALS

Mineralisation Age

ORE	QUATERNARY

Comments

This was part of RZM's central Queensland coast heavy minerals project but all tenure has now been surrendered and the deposits are within a national park.

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544716 **RODD'S PENINSULA**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 38.9KM N OF MIRIAMVALE

1:100 000 sheet Number and Name: 9250 RODDS BAY

Grid Reference: Zone 56 361405 mE 7346775 mN Latitude -23.9848 Longitude 151.6376 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ILMENITE	SMALL	5 000 - 5 000 000 tonnes IM
ZIRCON	SMALL	500 - 500 000 tonnes ZIR
RUTILE	SMALL	2 000 - 200 000 tonnes RUT

Production Details

Period: 1-Jan-1969 to 31-Dec-1975

ILMENITE	23,385.0 tonnes
ZIRCON	5,915.0 tonnes
RUTILE	174.0 tonnes

Published Reserves/Resources

BR 3023 Published in 1990

INFERRED MINERAL RESOURCE 10,000,000 tonnes Ore @
455,000 Tonnes ILMENITE
70,000 Tonnes ZIRCON
30,000 Tonnes RUTILE

ESTIMATE OF RESOURCES OLD DEPARTMENTAL AREA 138D

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 3023	1990	WALLIS, D.S., & OAKES, G.M.	HEAVY MINERAL SANDS IN EASTERN AUSTRALIA.	IN HUGHES, F.E. (EDITOR): GEOLOGY OF THE MINERAL DEPOSITS OF AUSTRALIA AND PAPUA NEW GUINEA. THE AUSTRALASIAN INSTITUTE OF MINING AND METALLURGY, MELBOURNE, 1599-1608.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1969	to	1975	MINED BY MURPHYORES INCORPORATED PTY LTD

Mining Operations **Comments**

SURFACE MINING METHODS

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit *Formation Name/Age*

MODERN COASTAL DEPOSITS

Deposit Model

GENERAL OREBODY MODEL DUNE DEPOSIT

DETAILED OREBODY MODEL DUNE DEPOSIT HEAVY MINERALS

Mineralisation Age

ORE QUATERNARY

Comments

The Rodd's Peninsula heavy mineral sands resource is now within a National Park.

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479135 **ROGERS GOLDEN GATE**

ABANDONED MINE

Descriptive Location: 7.3 KM NW OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 626931 mE 7992514 mN Latitude -18.1526 Longitude 142.2000 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1886 to 31-Dec-1942 50,817 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 2,437.8 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 8795	100.00%	CRATER GOLD MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

This part of the Golden Gate reef comprises the Golden Gate P.C., Golden Gate Nos 1 North to 4 North, Rogers Golden Gate, and the Golden Gate Consols. It was one of the main producing ore shoots on the reef and was the richest section of the reef. The or e shoot was irregularly shaped and was ~400 m in strike length, averaged 1.2 m in width, and was payable down to ~145 m depth.

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45376 **ROMA FLATS**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 6.9 KM SW OF CAPE YORK, 700KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7476 CAPE YORK

Grid Reference: Zone 54 664424 mE 8811967 mN Latitude -10.7436 Longitude 142.5037 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Published Reserves/Resources

Company Report 3113 Published in 1990

INFERRED MINERAL RESOURCE 1,020,000 cubic metres Ore @ 0.20 kg/m*3 CASSITERITE **FOR** 204 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	16754	100.00%	GULF ALUMINA LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Roma Flats is within the New Mapoon DOGIT.
Consolidated Mining Industries Ltd carried out auger drilling and calculated an inferred resource of 1.02 Mm3 at 211 g/m3 cassiterite.
Halekka Pty Ltd drilled 6 reverse circulation holes but did not find any economic mineralisation.

Web Page

Queensland Minerals

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494853 **ROSEBUD**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 51.6KM SSE OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 393238 mE 7695897 mN Latitude -20.8338 Longitude 139.9739 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	31-Dec-1942			7,980	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	524.3 tonnes	6.60 percent
Period:	1-Jan-1915 to	31-Dec-1917		22,258	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	1,299.0 tonnes	5.80 percent
GOLD			BULLION	27.7 kilograms	1.25 grams per tonne
Period:	1-Jan-1955 to	31-Dec-1957		69	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	3.2 tonnes	4.70 percent
Period:	1-Jan-1966 to	31-Dec-1970		1,458	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	63.9 tonnes	4.40 percent

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1905	to	1911	Willcocks Cloncurry Copper Syndicate Ltd purchased Rosebud lease and excavated an adit for 32m and the main shaft to 30.5m depth. Underground development was carried out.
1912	to	1914	The Corella Copper Company NL acquired the mine. The shaft was deepened and further underground development was carried out.
1915	to	1917	Old Marrabah smelter was erected at Rosebud. Nearly 22300t of ore smelted before the company was wound up and the site abandoned in late 1917.
1955	to	1970	Worked by D.H. Laing and Edna May Mines.

Mining Operations	Comments
ADITS	
STOPING	
OPEN CUT MINING	
SHAFTS	
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 2773	100.00%	MINING INTERNATIONAL PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	VEIN CALCITE +/- CU

Mineralisation Age

ORE PALAEOPROTEROZOIC

Comments

Ore was as narrow chalcopyrite veins associated with pyrite and magnetite in a calcite-quartz gangue.

Web Page

www.matrixmetals.com.au

Queensland Minerals

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494854 **ROSEBUD EXTENDED**

ABANDONED MINE

Descriptive Location: 51.5KM SSE OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 393199 mE 7696157 mN Latitude -20.8315 Longitude 139.9736 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Rosebud No. 2

Commodities	Size	Size Definition
SILICA	SMALL	1 000 - 1 000 000 t SIO
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period: 1-Jan-1969 to 31-Dec-1973 1,166 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 63.0 tonnes 5.40 percent

Period: 1-Jan-1973 to 31-Dec-1975

SILICA 10,431.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1969	to	1973	Copper mined by Jones and McIlroy.
1973	to	1975	Open cut mining of cupriferous silica flux by D. Andrews.

Mining Operations	Comments
OPEN CUT MINING	Arcuate open cut.
SHAFTS	One shaft still open.
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	11919	100.00%	CST MINERALS LADY ANNIE PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE PALAEOPROTEROZOIC

Comments

Held by Millenium Minerals (Operations) Pty Ltd, a wholly-owned subsidiary of CopperCo Ltd.

Web Page

www.copperco.com.au

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503506 **ROSEHALL**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 19.82 KM NE OF AUBURN, 277.95 KM NW OF BRISBANE.

1:100 000 sheet Number and Name: 9046 AUBURN

Grid Reference: Zone 56 276899 mE 7140434 mN Latitude -25.8373 Longitude 150.7741 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Rosehall Prospect

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 6176 Published in 1999

INFERRED MINERAL RESOURCE 595,000 tonnes Ore @ 1.70 g/t GOLD **FOR** 1,011 Kilograms GOLD

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6176	1999	CARDIA TECHNOLOGIES LIMITED	ANNUAL REPORT	

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
RAWBELLE BATHOLITH	Mount Saul Quartz Monzonite / LATE TRIASSIC to LATE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL

Mineralisation Age

ORE	TRIASSIC

Comments

Rosehall is an epithermal Au-Ag prospect hosted by the mid-Triassic Mt Saul Adamellite ring dyke complex. Epithermal quartz veining, brecciation and stockwork veining are associated with high As and Zn.

Fluid inclusions indicate a temperature range of 200 to 290 degrees C. The mineralsed zone forms a semi circular pattern and is 3-4km long on the southern margin of the caldera structure.

Strong phyllic-argillic alteration with disseminated sulphides is associated with the mineralisation. Gold typically occurs in solid solution with arsenopyrite.

Drilling by Geopeko (1986-1992) returned 3m at 17.9g/t Au and 2m at 7.2g/t Au, 287g/t Ag and 10.5% Zn. Preliminary metallurgical testwork produced a concentrate with recoveries of 93% Au, 96% Ag and 99% Zn.

Web Page

www.rugbymining.com

Queensland Minerals

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39022 **RUBY LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 2.8 KM SSE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 423937 mE 7777622 mN Latitude -20.0969 Longitude 146.2724 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Ruby Extended

Ruby Extended South

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

		18,170 tonnes KNOWN HISTORIC PRODUCTION
GOLD	BULLION	751.2 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1901	to	1912	Levingston (1972)

Mining Operations	Comments
UNDERGROUND MINING METHODS	Complex branched underlies, see BR 2457
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
MDL 116	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	
GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Resource forms part of the Charters Towers Project of Citigold Corporation Limited.

Web Page

http://www.citigold.com.au/

Queensland Minerals

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38493 **RUDDYGORE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 3KM NORTH-EAST OF CHILLAGOE.

1:100 000 sheet Number and Name: 7863 CHILLAGOE

Grid Reference: Zone 55 239214 mE 8104169 mN Latitude -17.1322 Longitude 144.5489 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG
TIN	VERY SMALL	<100 tonnes SN
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1896 to 31-Dec-1930 32,750 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 1,450.0 tonnes

Published Reserves/Resources

BR 1792 Published in 1980

INFERRED MINERAL RESOURCE 10,000,000 tonnes Ore @ 0.40 % COPPER **FOR** 40,000 Tonnes COPPER

Comments/Cut Off Factor: Estimate only

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 1792	1980	LACY, W.C.	MINERALISATION ALONG THE EXTENSION OF THE NEW ENGLAND AND LACHLAN-THOMSON FOLD BELTS INTO NORTH QUEENSLAND.	IN HENDERSON, R.A., & STEPHENSON, P.J. (EDITORS): THE GEOLOGY AND GEOPHYSICS OF NORTHEASTERN AUSTRALIA. GEOLOGICAL SOCIETY OF AUSTRALIA, QUEENSLAND DIVISION, BRISBANE, 269-279.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
SHAFTS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14015	100.00%	MFG PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Ruddygore Granodiorite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU
DETAILED OREBODY MODEL	PORPHYRY TIN

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Mineralisation is associated with an inner, sericitic alteration aureole of the "Ruddygore Granodiorite".

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491151 **RUNDLE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 16.5 KM NNW OF YARWUN, 23KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 9150 GLADSTONE

Grid Reference: Zone 56 304906 mE 7377674 mN Latitude -23.6999 Longitude 151.0865 Date Recorded: 27/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
OIL SHALE	LARGE	> 1 000 000 000 barrels OSH

Production Details

Published Reserves/Resources

BR 7037 Published in 2002

INDICATED MINERAL RESOURCE 5,000,000,000 tonnes Ore @ 105.00 l/t OIL **FOR** 2,600,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at zero % moisture.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7037	2002	SOUTHERN PACIFIC PETROLEUM NL	SOUTHERN PACIFIC PETROLEUM NL ANNUAL REPORT 2002	SOUTHERN PACIFIC PETROLEUM NL

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
MDL	179	25.00%	CENTRAL PACIFIC MINERALS NL
MDL	179	50.00%	ESSO AUSTRALIA RESOURCES PTY LTD
MDL	179	25.00%	AUSTRALIAN OIL-SHALE HOLDINGS LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NARROWS BASIN	Rundle Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	TERTIARY	Oil shale.

Comments

Extensive oil shale deposits with a composite thickness of up to 427m extend for several kilometres between the Rundle Range and the Narrows.

Web Page

www.qer.com.au

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42622 **SAILOR**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 21KM NW OF RAVENSHOE, 80KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 318814 mE 8058269 mN Latitude -17.5546 Longitude 145.2929 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Sailor Tin Prospect

Lynette Law

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Published Reserves/Resources

BR 6053 Published in 1999 **SAILOR**

INFERRED MINERAL RESOURCE 10,000,000 tonnes Ore @ 0.10 % CASSITERITE **FOR** 10,000 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14742	100.00%	HERBERTON TIN PTY LTD
ML	4192	100.00%	HERBERTON TIN PTY LTD
ML	20429	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Go Sam Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)	
DETAILED OREBODY MODEL	GREISEN	ENDO-GREISEN

Mineralisation Age

ORE	LATE CARBONIFEROUS	~315Ma (Morrison & Beams, 1995).

Comments

Tin mineralisation occurs within the greisenised upper section of a granitic cusp emanating from a granite pluton.

The tin occurs as cassiterite with sub-horizontal lenticular bodies of greisen in association with minor concentrations of sulphide minerals and fluorite.

Web Page

www.nqm.com.au

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41280 **SAINT GEORGE**

ABANDONED MINE

Descriptive Location: 47.1KM S OF MAYTOWN.

1:100 000 sheet Number and Name: 7765 MAYTOWN

Grid Reference: Zone 55 218515 mE 8177169 mN Latitude -16.4706 Longitude 144.3636 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ANTIMONY	SMALL	50 - 5 000 tonnes SB
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

Company Report 13423 Published in 1971 **SAINT GEORGE**

INDICATED MINERAL RESOURCE 1,050 tonnes Ore @ 3.10 % ANTIMONY **FOR** 32 Tonnes ANTIMONY

Comments/Cut Off Factor: 0.5% Sb cutoff.

Company Report 13423 Published in 1971 **SAINT GEORGE**

INFERRED MINERAL RESOURCE 4,700 tonnes Ore @ 3.10 % ANTIMONY **FOR** 145 Tonnes ANTIMONY

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SIMPLE SB (QUARTZ-STIBNITE TYPE)

Mineralisation Age

ORE

Comments

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494860 **SAINT MUNGO**

ABANDONED MINE

Descriptive Location: 106KM SSE OF MT ISA; 35KM E OF DAJARRA

1:100 000 sheet Number and Name: 6854 DAJARRA

Grid Reference: Zone 54 380933 mE 7608192 mN Latitude -21.6253 Longitude 139.8495 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

St Mungo

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1910 to 31-Dec-1918 6,700 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	1,561.0 tonnes	23.00 percent

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1909	to	1918	Main production period; no records of production since

Mining Operations	Comments
SHAFTS	Main shaft to 130m
UNDERGROUND MINING METHODS	workings on 6 levels at 13.5m (driving 40m N & S); 30m (70m of driving); 40m (drives 60m N & 18m S); 61m (drives 57m N & 48m S); 87m (40m of driving); and 114m (drive 43m N; also drive to S)

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Saint Mungo Granite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	PROTEROZOIC

Comments

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517084 **SALEBURY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 17.5KM EAST OF CLONCURRY.

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 466174 mE 7711158 mN Latitude -20.6987 Longitude 140.6752 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Salebury Prospect
Salesbury
Homeward Bound
Flying Dutchman
King John
Salisbury
Mount Douglas

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
COPPER	SMALL	500 - 50 000 tonnes CU
COBALT	VERY SMALL	<10 tonnes CO

Production Details

Period:	31-Dec-1885			53 tonnes HARD ROCK ORE (OR REEF)	
GOLD			BULLION	2.6 kilograms	
COPPER			METAL	4.5 tonnes	
Period:	1-Jan-1974	to	31-Dec-1974		
GOLD			BULLION	0.2 kilograms	
Period:	1-Jan-1980	to	31-Dec-1980	72 tonnes HARD ROCK ORE (OR REEF)	
GOLD			BULLION	0.2 kilograms	2.50 grams per tonne
COPPER			METAL	1.3 tonnes	1.80 percent

Published Reserves/Resources

BR 9906 Published in 2012 **SALEBURY OXIDE ZONE**

INDICATED MINERAL RESOURCE 32,400 tonnes Ore @
0.82 % COPPER **FOR** 265 Tonnes COPPER
0.45 g/t GOLD **FOR** 14 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cut-off

BR 9906 Published in 2012 **SALEBURY OXIDE ZONE**

INFERRED MINERAL RESOURCE 12,200 tonnes Ore @
0.87 % COPPER **FOR** 106 Tonnes COPPER
0.40 g/t GOLD **FOR** 4 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cut-off

BR 9906 Published in 2012 **SALEBURY PRIMARY**

INDICATED MINERAL RESOURCE 968,000 tonnes Ore @
0.93 % COPPER **FOR** 9,002 Tonnes COPPER
0.57 g/t GOLD **FOR** 551 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cut-off

BR 9906 Published in 2012 **SALEBURY PRIMARY**

INFERRED MINERAL RESOURCE 152,700 tonnes Ore @
0.71 % COPPER **FOR** 1,084 Tonnes COPPER
0.41 g/t GOLD **FOR** 62 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cut-off

BR 9906 Published in 2012 **SALEBURY TRANSITIONAL**

INDICATED MINERAL RESOURCE 121,700 tonnes Ore @
0.92 % COPPER **FOR** 1,119 Tonnes COPPER
0.54 g/t GOLD **FOR** 65 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cut-off

BR 9906 Published in 2012 **SALEBURY TRANSITIONAL**

INFERRED MINERAL RESOURCE 54,400 tonnes Ore @
0.82 % COPPER **FOR** 446 Tonnes COPPER
0.60 g/t GOLD **FOR** 32 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cut-off

Resource figures listed above are JORC compliant.

Queensland Minerals

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Published Reference ID	Year	Author	Title	Source
BR 9906	2012	EXCO RESOURCES LTD	MAIDEN SALEBURY COPPER-GOLD RESOURCE 12TH OCTOBER 2012 MARKET RELEASE	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 12 OCTOBER 2012. EXCO RESOURCES LTD, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	Open cuts 20m by 8m by 3m and 30m by 15m by 10m.
SHAFTS	
UNDERGROUND MINING METHODS	
PITS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	11675	100.00%	SOUTH32 CANNINGTON PROPRIETARY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Mount Norna Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

In Oct 2012 Exco Resources reported a maiden resource for Salebury of 1.3Mt @0.9% Cu &0.54 g/t Au containing ~12000t of copper and 66Kg of gold (BR9906). The detailed resource estimate was reported seperate for 3 host types: Oxide, transitional &fresh ore

Web Page

www.excoresources.com.au

Queensland Minerals

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38284 **SAM CREEK**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 56KM SSW OF BAMAGA, 650KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7375 VRILYA POINT

Grid Reference: Zone 54 647123 mE 8740165 mN Latitude -11.3935 Longitude 142.3484 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Unnamed 470400

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

Company Report 4106 Published in 1972

INFERRED MINERAL RESOURCE

900,000 Tonnes BAUXITE

<900000t grading <45% alumina

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

A laterite cap exists in much of this area. In most instances the cap consists of iron laterite covered by a thin veneer of bauxite. The bauxite rarely exceeds 2 m in thickness. This deposit is within the Northern Peninsula (Mapoon) DOGIT.

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517111 **SANDY CREEK EAST**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 139KM EAST OF MOUNT ISA, 43.2KM SE OF CLONCURRY.

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 479521 mE 7680211 mN Latitude -20.9785 Longitude 140.8030 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Sandy Creek Main

Sandy Creek Prospect

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU
LEAD	VERY SMALL	<1000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Published Reserves/Resources

BR 10338 Published in 2013 **FOOTWALL**

INFERRED MINERAL RESOURCE 41,000 tonnes Ore @

0.98 % COPPER **FOR** 401 Tonnes COPPER

0.89 g/t GOLD **FOR** 36 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cut-off

Tonnes recalculated using grade and contained metal figures from Appendix 2 in ref.

BR 10338 Published in 2013 **SANDY CK HANGING WALL NORTH**

INFERRED MINERAL RESOURCE 100,000 tonnes Ore @

1.14 % COPPER **FOR** 1,140 Tonnes COPPER

0.34 g/t GOLD **FOR** 34 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cut-off

BR 10338 Published in 2013 **SANDY CK HANGING WALL SOUTH**

INFERRED MINERAL RESOURCE 100,000 tonnes Ore @

1.83 % COPPER **FOR** 1,830 Tonnes COPPER

0.17 g/t GOLD **FOR** 17 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cut-off

BR 10338 Published in 2013 **SANDY CREEK MAIN**

INFERRED MINERAL RESOURCE 1,400,000 tonnes Ore @

1.29 % COPPER **FOR** 18,060 Tonnes COPPER

0.35 g/t GOLD **FOR** 577 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10338	2013	BREAKAWAY RESOURCES LIMITED	ACTIVITY REPORT FOR THE QUARTER ENDED 31 MARCH 2013	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 30 APRIL 2013. BREAKAWAY RESOURCES LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	2 collapsed/filled in and the third is partially timbered and open to 8m.
PITS	
TRENCHES	6m long x 1-2m wide x 3m deep.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17838	90.00%	LEVUKA RESOURCES PTY LTD
EPM	17838	10.00%	BREAKAWAY RESOURCES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Mount Norna Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE

Comments

In 2012 breakaway resources presented resources at Mining 2012 for the Main Zone ore body; Diamond drilling encountered some good intersections: 11BERCO102: 1m @ 2.72% Cu and 0.41g/t Au; 11BERCO0088: 6m @ 1.21% Cu and 0.6g/t Au.
2012 cont. 11BERCO0071: 13m @ 1.10% Cu and 0.18g/t Au. 11BERCO0070: 3m @ 1.56% Cu and 0.83g/t Au. 11BERCO0089: 2m @ 0.66% Cu and 0.15g/t Au.

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517115 **SANDY CREEK WEST**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 139KM EAST OF MOUNT ISA, 43.1KM SE OF CLONCURRY.

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 479172 mE 7679967 mN Latitude -20.9807 Longitude 140.7996 Date Recorded: 20/February/2017

Other Names for Deposit / Mine

Sandy Creek

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Published Reserves/Resources

BR 10338 Published in 2013

SANDY CREEK WEST

INFERRED MINERAL RESOURCE 410,000 tonnes Ore @

1.36 % COPPER **FOR** 5,576 Tonnes COPPER

0.26 g/t GOLD **FOR** 106 Kilograms GOLD

Comments/Cut Off Factor: 0.3% Cu cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10338	2013	BREAKAWAY RESOURCES LIMITED	ACTIVITY REPORT FOR THE QUARTER ENDED 31 MARCH 2013	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 30 APRIL 2013. BREAKAWAY RESOURCES LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17838	90.00%	LEVUKA RESOURCES PTY LTD
EPM	17838	10.00%	BREAKAWAY RESOURCES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Mount Norna Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE

Comments

In 2012 Breakaway presented an inferred resource for this deposit at Mining 2012. A significant intersection of diamond drill hole included: 12BERD0118: 11m of copper mineralisation (not yet assayed)

Web Page

www.breakawayresources.com.au

Queensland Minerals

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40539 **SARDINE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 6.1 KM NW OF EWAN.

1:100 000 sheet Number and Name: 8059 EWAN

Grid Reference: Zone 55 373375 mE 7889280 mN Latitude -19.0854 Longitude 145.7964 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Sardine North
Sardine Extended
Galton'S

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Period: 1-Jan-1919 to 31-Dec-1990 25,425 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE	1,466.0 tonnes
STANNITE	466.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1919	to	1990	

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname	
MC	1690	100.00%	MT MOSS MINING PTY LTD	
MC	1834	100.00%	JONES (JNR)	Patrick
MC	1835	100.00%	JONES (JNR)	Patrick
ML	4496	100.00%	MT MOSS MINING PTY LTD	
ML	4498	100.00%	MT MOSS MINING PTY LTD	
ML	4506	100.00%	MT MOSS MINING PTY LTD	
ML	4507	100.00%	MT MOSS MINING PTY LTD	

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMEL CREEK SUBPROVINCE	Perry Creek Formation / LATE ORDOVICIAN to SILURIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE	CARBONIFEROUS

Comments

Web Page

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488338 **SCANLAN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 15.7KM WNW OF QUAMBY

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 411341 mE 7754486 mN Latitude -20.3054 Longitude 140.1508 Date Recorded: 8/February/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 9898 Published in 2012 **NATIVE COPPER**

INDICATED MINERAL RESOURCE 16,440,000 tonnes Ore @ 0.64 % COPPER **FOR** 105,216 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cut off.

2015 resources are combined figures of the 2012 detailed info, so here data not updated.

BR 9898 Published in 2012 **NATIVE COPPER**

INFERRED MINERAL RESOURCE 3,070,000 tonnes Ore @ 0.60 % COPPER **FOR** 22,860 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.

BR 9898 Published in 2012 **SULPHIDE**

INDICATED MINERAL RESOURCE 1,270,000 tonnes Ore @ 0.78 % COPPER **FOR** 99,060 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.

BR 9898 Published in 2012 **SULPHIDE**

INFERRED MINERAL RESOURCE 670,000 tonnes Ore @ 0.58 % COPPER **FOR** 3,886 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.

BR 9898 Published in 2012 **TRANSITIONAL**

INDICATED MINERAL RESOURCE 680,000 tonnes Ore @ 0.67 % COPPER **FOR** 4,556 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.

BR 9898 Published in 2012 **TRANSITIONAL**

INFERRED MINERAL RESOURCE 70,000 tonnes Ore @ 0.83 % COPPER **FOR** 581 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9898	2012	ALTONA MINING LIMITED	15% RESOURCE UPGRADE AT ROSEBY PROJECT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 3 JUNE 2012. ALTONA MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10266	100.00%	ROSEBY COPPER PTY LTD
ML	90162	50.00%	ROSEBY COPPER PTY LTD
ML	90162	50.00%	ALTONA MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Mount Roseby Schist / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED CU (INCLUDES CU-SHALE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

The oxide ore contains native copper (50 to 70%), copper in clays and micas (30 to 40%), and chalcocite (<10%), and is the result of weathering of primary stratabound sulphide deposits containing bornite and chalcopyrite.
Universal Resources Limited (now Altona Mining Limited) completed a feasibility study in 2006. Scanlan will supply mainly oxide ore. Mining will be by open cut. Feasibility studies are ongoing.
Drilling announced in January 2011 gave results of 70m @ 0.7% Cu from surface (SCR176), 26m @ 0.9% Cu from 78m (SCR176) and 63m @ 0.6% Cu from 22m (SCR181).

Web Page

www.altonamining.com

Queensland Minerals

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488833 **SCORPION**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 47.6KM N OF ROOKWOOD HOMESTEAD.

1:100 000 sheet Number and Name: 8851 ROOKWOOD

Grid Reference: Zone 55 788614 mE 7450221 mN Latitude -23.0314 Longitude 149.8161 Date Recorded: 22/February/2016

Other Names for Deposit / Mine

The Crater

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
ZINC	SMALL	200 - 200 000 tonnes ZN
SILVER	VERY SMALL	<5 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 10414 Published in 2015

SCORPION

INFERRED MINERAL RESOURCE 548,900 tonnes Ore @

1.98 % COPPER	**FOR**	10,868 Tonnes COPPER
1.66 % ZINC	**FOR**	9,111 Tonnes ZINC
13.00 g/t SILVER	**FOR**	7,135 Kilograms SILVER
0.36 g/t GOLD	**FOR**	197 Kilograms GOLD

Comments/Cut Off Factor: 1% Cu equivalent (Cu+Zn/2.5)

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10414	2015	ZENITH MINERALS LIMITED	ASX ANNOUNCEMENT; 5TH FEBRUARY 2015; SIGNIFICANT RESOURCE UPGRADE - DEVELIN CREEK COPPER-ZINC-GOLD-SILVER DEPOSITS	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 5 FEBRUARY 2015. ZENITH MINERALS LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17604	49.00%	FITZROY COPPER PTY LTD
EPM	17604	51.00%	KALICOAL PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GRANTLEIGH SUBPROVINCE	Rookwood Volcanics/v / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
DETAILED OREBODY MODEL	VMS - CYPRUS STYLE CU-ZN

Mineralisation Age

ORE	PERMIAN

Comments

Web Page

www.iconresources.com.au

Queensland Minerals

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44306 **SCRUBBY HILL**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 15.0 KM SW OF FIRST STONY POINT.

1:100 000 sheet Number and Name: 7573 TEMPLE BAY

Grid Reference: Zone 54 737022 mE 8617366 mN Latitude -12.4983 Longitude 143.1809 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
IRON	SMALL	5 000 - 5 000 000 tonnes FE
MANGANESE	SMALL	100 - 100 000 tonnes MN
MAGNETITE	VERY SMALL	<50 000 tonnes MT

Production Details

Published Reserves/Resources

Company Report 724 Published in 1962 **SCRUBBY HILL - SCREE MATERIAL**

INFERRED MINERAL RESOURCE 100,000 tonnes Ore @

33.40 % IRON **FOR** 33,400 Tonnes IRON

14.30 % MANGANESE **FOR** 14,300 Tonnes MANGANESE

Comments/Cut Off Factor: Average grade 33.4% Fe, 14.3% Mn, 11.2% silica and 9.6% alumina.

Company Report 724 Published in 1962 **SCRUBBY HILL**

INFERRED MINERAL RESOURCE 10,000 tonnes per vertical metre Ore @

8.90 % MANGANESE

46.90 % IRON

Comments/Cut Off Factor: Average surface grade 46.9% Fe, 8.9% Mn, 6.1% silica and 5.8% alumina

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Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
IRON RANGE PROVINCE	Sefton Metamorphics / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY IRON FORMATION (SUPERIOR TYPE FE)

Mineralisation Age

ORE PRECAMBRIAN to CENOZOIC

Comments

Vertical lenses of magnetite-hematite quartzite occur in schists of the Sefton Metamorphics. Manganiferous iron formation, low in silica, occurs as bands overlying the siliceous bodies. The magnetite content of near-surface material is highly variable.
The manganese content of the cap rocks is also highly variable. Exploration carried out by BHP in 1959 to 1962 was insufficient to calculate precise resource figures. Scrubby Hill is now within the Iron Range National Park.

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493689 **SELWYN**

CARE AND MAINTENANCE, INACTIVE PROSPECT

Descriptive Location: 37KM NNE OF CHATSWORTH HS, 147KM SE OF MT ISA;

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 446214 mE 7601881 mN Latitude -21.6855 Longitude 140.4801 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Selwyn Line
Starra

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
GOLD	MEDIUM	5 - 50 tonnes AU
MAGNETITE	VERY SMALL	<50 000 tonnes MT

Production Details

Period: 1-Jul-1999 to 30-Jun-2000			
COPPER		METAL	6,810.4 tonnes
GOLD		BULLION	124.3 kilograms
Period: 1-Jul-2001 to 30-Jun-2002			
COPPER		METAL	18,559.0 tonnes
GOLD		BULLION	809.3 kilograms
Period: 1-Jul-2002 to 30-Jun-2003			
COPPER		METAL	131.0 tonnes
GOLD		BULLION	12.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
Operating Mine Life: 1978 to 2003 Discovered in 1978.			
1987	to	1998	Mining of Area 244 for 700 000t @ 3.74g/t Au & 0.68% Cu.
1987	to	1998	Mining of Area 257 for 1 156 000t @ 4.49g/t Au & 0.56% Cu.
1987	to	1994	Mining of Area 251 for 2 533 000t @ 5.35g/t Au & 4.12% Cu.
1988	to	1997	Mining of Area 222 for 2 132 000t @ 4.06g/t Au & 0.99% Cu.
1988	to	1988	Selwyn plant commissioned.
1997	to	1999	Mining of Area 276 for 334 500t @ 3.76g/t Au & 2.07% Cu. Area 276 mining commenced in late 1997 and finished in March 1999.
1999	to	2002	Australian Resources Ltd went in to receivership in March 1999. The assets were all purchased by Selwyn Mines Ltd. Operations recommenced in 2000. Production problems forced the company into receivership at the end of 2002.
2003	to	2003	Ivanhoe Cloncurry Mines Pty Ltd, a subsidiary of Ivanhoe Mines Ltd, announced the purchase of all mining leases and exploration permits for the Selwyn copper-gold projects from the receivers for Selwyn Mines Ltd for AUD 6 million.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	Mainly sub level caving and open stoping mining methods used.
STOPING	
DECLINED SHAFTS/DRIVES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	2733	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Staveley Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

The presence of anomalous Cu in the Selwyn ironstones was first reported following a geochemical survey by the BMR in 1956. Subsequent company exploration delineated highly anomalous copper & gold in Areas 244 & 257. Cyprus Minerals carried out extensive exploration from 1980. The mine was owned by Arminco Mining Pty Ltd (a subsidiary of Australian Resources Ltd). In late 1999 Hargraves Resources acquired a 51% stake in the Selwyn mine.

Operations recommenced in March 2000 by Selwyn Mines Limited with ore being mined from the Mount Elliott Mine and processed through the plant at Selwyn.

Gold and copper mineralisation occurs within magnetite rich ironstones and schists near the base of the Staveley Formation.

The Selwyn leases are now owned by Chinova Resources.

Web Page

http://www.inovaresources.com/

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44057 **SEVERN RIVER**

ABANDONED MINE

Descriptive Location: 5.7 KM SSW OF STANTHORPE.

1:100 000 sheet Number and Name: 9240 STANTHORPE

Grid Reference: Zone 56 392905 mE 6824676 mN Latitude -28.7007 Longitude 151.9036 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Severn River Tin Mining Co.
Beverley Dredge
Midget

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Period: 1-Jan-1913 to 31-Dec-1917 80,000 cubic metres ALLUVIUM

CASSITERITE 169.4 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1889	to	1889	
1913	to	1917	

Mining Operations	Comments
DREDGING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NEW ENGLAND BATHOLITH	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Web Page

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480940 **SHAMROCK**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 20.5 KM ESE OF GOOMERI

1:100 000 sheet Number and Name: 9345 GOOMERI

Grid Reference: Zone 56 427164 mE 7099269 mN Latitude -26.2242 Longitude 152.2708 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Rose Lode
Shamrock Lode
Thistle Lode

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
COPPER	VERY SMALL	<500 tonnes CU

Production Details

					107,533 tonnes HARD ROCK ORE (OR REEF)
GOLD				FINE	403.9 kilograms
SILVER					90.1 kilograms
COPPER				OTHER	56.6 tonnes
Period:	1-Jul-1990	to	30-Jun-1991		76,780 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	221.1 kilograms
Period:	1-Jan-1991	to	31-Dec-1993		19,850 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	71.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1860			Mining began in the 1860's
1873	to	1875	A smelter was erected to treat the primary sulphide ore but closed two years later.
1896	to	1898	Mined by Freehold Goldfields of Queensland.
1905	to	1907	United Reefs Co Ltd commenced operations in 1905 and erected two reverberating furnaces. A blast furnace was installed in 1906 but closed the following year after treating 2114t of ore.
1939	to	1942	Mine reopened by Messrs Archibold and Runge.
1942	to	1949	Essential Minerals took over operations in 1942 and erected a treatment plant with amalgamation, floatation and cyanidation units. >7000t of ore was treated before mining ceased in 1949.
1990	to	1993	United Reefs N.L. re-established the mine as an open cut and constructed a CIP plant. the company went into receivership in December 1990. Mining continued under Waraluk Pty Ltd from 1991 to 1993.

Mining Operations	Comments
OPEN CUT MINING	60m deep.
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	Down to 85m.
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	3678	100.00%	DGR GLOBAL LIMITED
ML	3741	100.00%	DGR GLOBAL LIMITED
ML	3749	100.00%	DGR GLOBAL LIMITED
ML	3752	100.00%	DGR GLOBAL LIMITED
ML	3753	100.00%	DGR GLOBAL LIMITED

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Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Black Snake Porphyry / MIDDLE TRIASSIC to MIDDLE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)	VEIN
DETAILED OREBODY MODEL	PORPHYRY INTRUSION-RELATED QUARTZ VEINS & STOCKWORKS	

Mineralisation Age

ORE	TRIASSIC

Comments

The Shamrock mineralisation is confined to a north-east-trending shear zone. Mineralisation is in the form of subparallel, discontinuous lenticular veins.

Copper occurs as chalcopyrite in massive bands, wisps, disseminations and fracture fills within the mineralised zone. Drilling below the pit floor has intersected additional mineralisation.

Web Page

http://www.daguilar.com.au

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42212 **SHANNON**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 5.5KM WEST OF CHILLAGOE, 130KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 231114 mE 8102869 mN Latitude -17.1430 Longitude 144.4727 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG
ZINC	SMALL	200 - 200 000 tonnes ZN
TIN	SMALL	100 - 1 000 tonnes SN
BISMUTH	SMALL	50 - 5 000 tonnes BI

Production Details

Published Reserves/Resources

Company Report 3725 Published in 1971 **SHANNON**

INFERRED MINERAL RESOURCE 1,010,000 tonnes Ore @

20.20 g/t SILVER	**FOR**	20,402 Kilograms SILVER
1.23 % COPPER	**FOR**	12,423 Tonnes COPPER
0.53 % ZINC	**FOR**	5,353 Tonnes ZINC
0.96 g/t GOLD	**FOR**	970 Kilograms GOLD
0.08 % BISMUTH	**FOR**	808 Tonnes BISMUTH
0.07 % CASSITERITE	**FOR**	707 Tonnes CASSITERITE

Resource based on 6 drill intersections.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	
PITS	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	4910	100.00%	MUNGANA GOLDMINES LTD
ML	4921	100.00%	MUNGANA GOLDMINES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	Ruddygore Granodiorite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT	
DETAILED OREBODY MODEL	COPPER SKARN	EXO-GREISEN

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

The Shannon prospect is approximately 6km south-east of Red Dome. Copper-gold mineralisation occurs in a skarn zone developed extensively along the contact between an intruding granodiorite and limestone of the Chillagoe Formation.

Web Page

www.kagara.com.au

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486376 **SHEEPSKIN CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 50KM W OF ST LAWRENCE, 270KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8753 CONNORS RANGE

Grid Reference: Zone 55 712369 mE 7537571 mN Latitude -22.2543 Longitude 149.0608 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
EARTHY LIME / DOLOMITE (AGRICULTURAL)	MEDIUM	100 000 - 1 000 000 tonnes ELIM

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
MDL	422	5.00%	LOS AMERICAS PTY LTD
MDL	422	48.00%	CQ DOLOMITE PTY LTD
MDL	422	48.00%	MACEGATE PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CONNORS SUBPROVINCE	Lizzie Creek Volcanics / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	ENRICHED LIME DEPOSIT

Mineralisation Age

ORE	CENOZOIC

Comments

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38264 **SHELBURNE SILICA**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 13.7 KM WNW OF CAPE GRENVILLE.

1:100 000 sheet Number and Name: 7574 CAPE GRENVILLE

Grid Reference: Zone 54 731422 mE 8680366 mN Latitude -11.9294 Longitude 143.1249 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Shelburne Bay

Commodities	Size	Size Definition
SILICA SAND	LARGE	>2 500 000 tonnes SIS

Production Details

Published Reserves/Resources

BR 741 Published in 1990

CONICAL HILL AND SADDLE HILL

PROVED ORE RESERVE 8,759,000 tonnes Ore @
8,759,000 Tonnes SILICA SAND

Silica content exceeds 99.0% and heavy mineral content is <0.2%.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 741	1990	COOPER, W., & SAWERS, J.D.	CAPE FLATTERY AND SHELBURNE BAY SILICA SAND DEPOSITS.	IN HUGHES, F.E. (EDITOR): GEOLOGY OF THE MINERAL DEPOSITS OF AUSTRALIA AND PAPUA NEW GUINEA. THE AUSTRALASIAN INSTITUTE OF MINING AND METALLURGY, MELBOURNE, 1665-1667.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	CENOZOIC

Comments

Round Point and Rodney Island (Cooper & Sawers, 1990). The sand meets specifications for foundry moulding and high quality glass manufacture. The silica content exceeds 99.0% and the heavy mineral content is <0.2%.
From 1973 to 1977, 14 major dunes were drilled southwest of Round Point in AP 1222M. A resource of 200 Mt of white, glass-grade sand was calculated for seven dunes within 16 km of Round Point. The Conical and Saddle Hill areas were considered to be of pr ime importance because of their proximity to Rodney Island, which was thought to be the most suitable site for a loading facility. Another proposal was for a jetty into Margaret Bay, avoiding the Great Barrier Reef Marine Park and environmental impact on
Drilling established a proved reserve of 8.759 Mt of sand at Conical Hill and Saddle Hill, with more than 40 m thickness of white sand derived from aeolian reworking of a well developed podzolic A2 horizon (Cooper & Sawers, 1990). Studies of treatmen t procedures and the feasibility of an export project were carried out, but a market survey indicated that export markets in the Pacific region (mainly Japan) are limited and are already being satisfied by the Cape Flattery operation (north of Cooktown) and overseas producers. In 2003, the Queensland Government decided not to renew the leases over the dunefield on environmental grounds. The deposit is now within Restricted Area 168: Protection of Mineral Resources - Shelburne Bay.

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494100 **SHERRIN CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 71 KM NORTH-WEST OF MOUNT ISA.

1:100 000 sheet Number and Name: 6657 YELVERTOFT

Grid Reference: Zone 54 280920 mE 7744965 mN Latitude -20.3809 Longitude 138.9009 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

BR 5107 Published in 1996 **SHERRIN CREEK**

INFERRED MINERAL RESOURCE 175,000,000 tonnes Ore @ 16.50 % PHOSPHATE **FOR** 28,875,000 Tonnes PHOSPHATE

Average grade of 16.5% P2O5.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5107	1996	DRAPER, J.J.	Phosphate - Queensland Mineral Commodity Report.	Queensland Government Mining Journal, 97 (1131), 14-25.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14912	100.00%	KING EAGLE RESOURCES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Beetle Creek Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	MIDDLE CAMBRIAN

Comments

Golden Cross Resources Ltd bought King Eagle Resources Pty Limited in June 2007 and are investigating the Sherrin Creek phosphorite prospect as a potential uranium trap.

Legend International Holdings Inc entered into a joint venture arrangement wiith Golden Cross Resources over the phosphate resources in May 2008.

Web Page

www.goldencross.com.au; www.lgdi.net

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501454 **SIERRA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 32.8KM SSW OF CLONCURRY, 100KM SE OF MOUNT ISA.

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 441052 mE 7678560 mN Latitude -20.9926 Longitude 140.4328 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Red Sierra South
Great Western No.8
Sierra South
Blue Bell

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
COBALT	VERY SMALL	<10 tonnes CO
GOLD	VERY SMALL	<0.5 tonnes AU
URANIUM	VERY SMALL	<100 tonnes U

Production Details

Period: 1-Jan-1968 to 31-Dec-1968 106 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 1.5 tonnes 1.45 percent

Published Reserves/Resources

BR 7049 Published in 2003 **SIERRA**

INFERRED MINERAL RESOURCE 240,700 tonnes Ore @ 1.00 % COPPER **FOR** 2,407 Tonnes COPPER

Comments/Cut Off Factor: 0.5% Cu cut off

1Mt inferred @1% CME with a cutoff grade of 0.5%. This resource is open at depth and along strike.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7049	2003	MATRIX METALS LIMITED	ANNUAL REPORT FOR PERIOD ENDED 30TH NOVEMBER, 2003.	MATRIX METALS LIMITED

Major Mining Related Events

Year Commenced		Year Completed	Comments
1968	to	1968	Mined by J.R. Emmet and L. Leivers.

Mining Operations	Comments
SHAFTS	
PITS	
UNDERGROUND MINING METHODS	
STOPING	Narrow open stopes along lode.
TRENCHES	Costean

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15897	100.00%	SIERRA LINE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Staveley Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

The substantial, NNW-trending, mineralised Sierra fault zone has been identified. Several other parallel fault structures have also been confirmed. Mineralsiation is asscoiated with dilational breccias.

The Sierra fault structure hosts a number of Cu-Co-Au-U occurrences over a strike length of nine kilometres.

This is part of Matrix Metals Ltd's White Range Project. It is to be explored for uranium mineralisation by Deep Yellow Ltd under ajoint venture agreement.

Web Page

www.deepyellow.com.au; www.matrixmetals.com.au

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39035 **SILENT FRIEND**

ABANDONED MINE

Descriptive Location: 7 KM S OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 424350 mE 7773171 mN Latitude -20.1371 Longitude 146.2762 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Rollston

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

427 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 15.4 kilograms

Published Reserves/Resources

BR 10151 Published in 2012

SILENT FRIEND (E06)

INFERRED MINERAL RESOURCE 972,000 tonnes Ore @

13.50 g/t GOLD **FOR** 13,122 Kilograms GOLD

9.00 g/t SILVER **FOR** 8,748 Kilograms SILVER

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
MDL	251	25.00%	CHARTERS TOWERS MINES PTY LTD
MDL	251	75.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Hogsflesh Creek Granodiorite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

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493373 **SILICA HILL**

MINERAL OCCURRENCE

Descriptive Location: HUNTER ISLAND, PART OF THE DUKE ISLANDS, 220 NNW OF GLADSTONE.

1:100 000 sheet Number and Name: 8954 PERCY ISLES

Grid Reference: Zone 56 205007 mE 7567976 mN Latitude -21.9678 Longitude 150.1436 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Hunter Island

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST
MARBLE	VERY SMALL	<10 000 tonnes MARB

Production Details

Published Reserves/Resources

BR 5640 Published in 1955

INFERRED MINERAL RESOURCE

1,991,360 Tonnes LIMESTONE

Of this resource 1 463 040 tonnes is above the highwater line.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5640	1955	SHEPHERD, S.R.L.	LIMESTONE ON DUKE ISLANDS - BROAD SOUND.	QUEENSLAND GOVERNMENT MINING JOURNAL, 56, 926-931.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT HOLLY SUBPROVINCE	Erebus beds / SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT
DETAILED OREBODY MODEL	MARBLE DEPOSIT

Mineralisation Age

ORE	SILURIAN to DEVONIAN	Limestone and marble.

Comments

This is the largest and most important of the four limestone deposits on Hunter Island. The limestone is hosted by slates and lenses out at the margins of the deposit. The bulk of the deposit is blue limestone, except in the folded section.
The folded limestone has a pink and green mottled colour. The deposit extends from one side of a hill to the other with no overburden, making for easy extraction.

Web Page

Queensland Minerals

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493690 **SILVER KING**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 2.6 KM SOUTH-WEST OF CENTURY MINE, 220KM NW OF MT ISA.

1:100 000 sheet Number and Name: 6660 LAWN HILL

Grid Reference: Zone 54 245911 mE 7925655 mN Latitude -18.7451 Longitude 138.5901 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Western King

Chance

Commodities	Size	Size Definition
SILVER	SMALL	5 - 500 tonnes AG
LEAD	SMALL	1000 - 100 000 tonnes PB
ZINC	SMALL	200 - 200 000 tonnes ZN

Production Details

Period: 1-Jan-1897 to 31-Dec-1967 4,868 tonnes KNOWN HISTORIC PRODUCTION

LEAD	OTHER	2,703.0 tonnes	47.40 percent
SILVER		2,294.0 kilograms	471.00 grams per tonne

Published Reserves/Resources

BR 9668 Published in 2010

SILVER KING

INFERRED MINERAL RESOURCE 700,000 tonnes Ore @

15.10 % LEAD	**FOR**	105,700 Tonnes LEAD
143.00 g/t SILVER	**FOR**	100,100 Kilograms SILVER
5.20 % ZINC	**FOR**	36,400 Tonnes ZINC

Comments/Cut Off Factor: 3.5% Pb.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9668	2010	MINMETAL RESOURCES LIMITED (MMG LIMITED)	2010 ANNUAL REPORT.	MINMETAL RESOURCES LIMITED, MELBOURNE. HTTP://WWW.MMG.COM/EN/INVESTORS-AND-MEDIA

Major Mining Related Events

Year Commenced		Year Completed	Comments
1897			Cant excavated shaft at Silver King
1914	to	1927	Peak production.
1949	to	1955	Production by Moren & party; ore treated at Mount Isa after 1949
1956	to	1962	Production by Silver King Syndicate
1967	to	1967	Minor production by Silver King Pty Ltd

Mining Operations	Comments
SHAFTS	
PITS	
STOPING	
TRENCHES	
UNDERGROUND MINING METHODS	
INCLINED SHAFTS / DRIVES	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90045	100.00%	MMG CENTURY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Bulmung Sandstone Member / PALAEOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED AG-PB-ZN

Mineralisation Age

ORE	PALAEOPROTEROZOIC to MESOPROTEROZOIC	Pb isotope age = ~ 1595 +-6Ma for Century (Sun, Page & Carr, 1994).

Comments

Silver King is one of a number of vein-style zinc-lead-silver deposits that Oz Minerals is currently exploring as sources of additional feed for the Century treatment plant.

A drilling program over the Silver King prospect commenced in June 2007, with 3,255m of diamond drilling planned.

Intersections at the Silver King Extension have included 26.6m at 2.9% Pb, 5.4% Zn and 21g/t Ag (including 12.1m at 2.9% Pb, 10% Zn and 23g/t Ag) and 35.9m at 5.8% Pb, 6.2% Zn and 60g/t Ag (including 4.1m at 15.9% Pb, 18.4% Zn and 327g/t Ag).

Web Page

www.mmg.com

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494101 **SILVER PHANTOM**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 115KM ESE OF MT ISA; 29KM SSE OF MALBON

1:100 000 sheet Number and Name: 6955 MALBON

Grid Reference: Zone 54 437736 mE 7642697 mN Latitude -21.3165 Longitude 140.3996 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
SILVER	SMALL	5 - 500 tonnes AG
BARITE	VERY SMALL	<50 tonnes BAR

Production Details

Period: 1-Jan-1954 to 31-Dec-1964 138 tonnes HARD ROCK ORE (OR REEF)

SILVER 5,400.0 kilograms 39,130.00 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1953	to	1964	Discovered towards the end of 1953 by J Tunny and sons as boulders containing native silver in a gully which were traced to their source; worked intermittently to 1964; may have been some work done since as the opencut looks more recent

Mining Operations	Comments
OPEN CUT MINING	has obliterated older workings
SHAFTS	visible in wall of opencut
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14955	100.00%	CARPENTARIA EXPLORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MITAKOODI DOMAIN	Mitakoodi Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MITAKOODI DOMAIN	Wimberu Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK	PIPE
DETAILED OREBODY MODEL	VEIN BARITE	
GENERAL OREBODY MODEL	BRECCIA-HOSTED	
DETAILED OREBODY MODEL	CU +/- AG QUARTZ VEINS	

Mineralisation Age

ORE PROTEROZOIC

Comments

Web Page

www.carpentariaex.com.au

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44343 **SILVER SPUR MINE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 10.2 KM E OF TEXAS, 224KM SW OF BRISBANE.

1:100 000 sheet Number and Name: 9140 TEXAS

Grid Reference: Zone 56 331605 mE 6805876 mN Latitude -28.8637 Longitude 151.2735 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
SILVER	SMALL	5 - 500 tonnes AG
LEAD	SMALL	1000 - 100 000 tonnes PB
ZINC	SMALL	200 - 200 000 tonnes ZN
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1892 to 31-Dec-1976 100,000 tonnes HARD ROCK ORE (OR REEF)

SILVER		68,000.0 kilograms
GOLD	BULLION	140.0 kilograms
COPPER	METAL	990.0 tonnes
LEAD	METAL	1,050.0 tonnes
ZINC	ORE	690.0 tonnes

Published Reserves/Resources

BR 7619 Published in 2004

SILVER SPUR SLAG DUMP

INFERRED MINERAL RESOURCE 90,000 tonnes Ore @

15.80 % ZINC	**FOR**	14,220 Tonnes ZINC
158.00 g/t SILVER	**FOR**	14,220 Kilograms SILVER
3.17 % LEAD	**FOR**	2,853 Tonnes LEAD
0.34 % COPPER	**FOR**	306 Tonnes COPPER
0.50 g/t GOLD	**FOR**	45 Kilograms GOLD

BR 8878 Published in 2008

SILVER SPUR

INFERRED MINERAL RESOURCE 808,000 tonnes Ore @

70.00 g/t SILVER	**FOR**	56,560 Kilograms SILVER
3.56 % ZINC	**FOR**	28,764 Tonnes ZINC
1.25 % LEAD	**FOR**	10,100 Tonnes LEAD
0.17 % COPPER	**FOR**	1,373 Tonnes COPPER
0.90 g/t GOLD	**FOR**	727 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7619	2004	MACMIN SILVER LTD	MACMIN SILVER LTD 2004 ANNUAL REPORT	MACMIN SILVER LTD
BR 8878	2008	MACMIN SILVER LTD	ANNUAL REPORT 2008.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. MACMIN SILVER LTD, GOLD COAST.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1890	to	1925	Discovered in 1890. Main period of production was 1892 to 1913.
1952	to	1952	Minor production
1970	to	1970	Minor production
1976	to	1976	Minor production

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Mining Operations **Comments**

OPEN CUT MINING

UNDERGROUND MINING METHODS

SHAFTS

DECLINED SHAFTS/DRIVES

STOPING

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8854	100.00%	TEXAS SILVER MINES PTY LTD
ML	5932	100.00%	TEXAS SILVER MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Silver Spur beds / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
DETAILED OREBODY MODEL	VMS - KUROKO STYLE (NORANDA, FELSIC TO INTERMED VMS TYPE)

Mineralisation Age

ORE	EARLY PERMIAN

Comments

The ore forms pipe-like to lenticular bodies that tend to be laterally zoned and conformable with the host rocks. They tend to lens out against two major faults.

Macmin commenced driling in July 2008. Intersections included 2.62m at 33g/t Ag, 4.88% Zn, 2.8% Pb and 0.14% Cu from 221.36m, 0.4m at 51g/t Ag, 8.36% Zn, 5.36% Pb and 1.12% Cu from 234.25m, and 1.61m at 7g/t Ag, 3.08% Zn, 1.56% Pb & 0.01% Cu from 227.84m.

In 2012 Alcyone carried out RC drilling on this deposit: 3 holes (total 596m) returned some good mineralisation. SSRC002: 14m @ 11.3ppm Ag, 0.08% Cu, 0.85% Pb, 2.96% Zn. SSRC003: 4m @ 42.5 ppm Ag, 0.02% Cu, 0.03% Pb, 0.07% Zn (BR10276).

Web Page

http://www.alcyone.com.au/

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488358 **SILVER STAR**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 34 KM WEST-NORTH-WEST OF MANY PEAKS.

1:100 000 sheet Number and Name: 9148 MONTO

Grid Reference: Zone 56 302035 mE 7286745 mN Latitude -24.5204 Longitude 151.0460 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Bjs
Amoeba
Barite Lode

Commodities	Size	Size Definition
SILVER	SMALL	5 - 500 tonnes AG
LEAD	SMALL	1000 - 100 000 tonnes PB
ZINC	SMALL	200 - 200 000 tonnes ZN
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

Company Report 32668 Published in 2001 **AMOEBA**

MEASURED - INDICATED - INFERRED MINERAL RESOURCE 105,000 tonnes Ore @
2.80 g/t GOLD **FOR** 294 Kilograms GOLD

Comments/Cut Off Factor: Cut-off grade not reported.

Company Report 32668 Published in 2001 **BARITE LODE**

MEASURED - INDICATED - INFERRED MINERAL RESOURCE 167,000 tonnes Ore @
180.00 g/t SILVER **FOR** 30,060 Kilograms SILVER
3.40 % ZINC **FOR** 5,678 Tonnes ZINC
1.30 % LEAD **FOR** 2,171 Tonnes LEAD
0.60 % COPPER **FOR** 1,002 Tonnes COPPER

Comments/Cut Off Factor: Cut-off grade not reported.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments
1938		Adit driven with a mines department subsidy.

Mining Operations	Comments
ADITS	Adits located 400m to the NE of the grid reference.
SHAFTS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15002	100.00%	ECHO RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PERMO-TRIASSIC IGNEOUS PROVINCES	Munholme Quartz Diorite / LATE PERMIAN to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	POLYMETALLIC AG-PB-ZN VEINS (FELSIC INTRUSION RELATED)
DETAILED OREBODY MODEL	VEIN BARITE

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

The deposit is located in the contact zone of an intrusive diorite with a volcaniclastic-sedimentary sequence (Rockhampton Group).
The BJs zone carries variable amounts of Cu-Pb-Zn-As and Au in a sericite-chlorite diorite (best intersection is 24m @ 1.55g/t Au from percussion drilling).
The Amoeba Zone is a strongly developed, Au-dominated quartz vein stockwork, hosted by strongly sericite and chlorite altered diorite and andesite (best intersection is 24m at 5.9g/t Au from percussion drilling).
The 20m wide Barite Lode is interpreted as a NE-trending, SE-dipping lensoidal body of pyrite, galena, sphalerite, chalcopyrite, tetrahedrite and pyrargyite/prousite in a barite gangue. It is anomalous in As and Sb and Au grades are spotty.

Web Page
www.echoresources.com.au

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493692 **SKAL**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 32 KM NORTH OF MOUNT ISA.

1:100 000 sheet Number and Name: 6757 KENNEDY GAP

Grid Reference: Zone 54 340017 mE 7739763 mN Latitude -20.4338 Longitude 139.4665 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Skal East
Skal North
Skal South

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U
VANADIUM OXIDE	SMALL	5 - 500 tonnes V
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Published Reserves/Resources

BR 9918 Published in 2012 **SKAL**

INDICATED MINERAL RESOURCE 14,300,000 tonnes Ore @ 0.06 % URANIUM OXIDE **FOR** 9,152 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 250ppm U3O8 cutoff.
50% Summit and 50% Paladin attribution (in 2012)

BR 9918 Published in 2012 **SKAL**

INFERRED MINERAL RESOURCE 1,400,000 tonnes Ore @ 0.05 % URANIUM OXIDE **FOR** 726 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 250ppm U3O8 cutoff.
50% Summit and 50% Paladin attribution (in 2012)

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9918	2012	SUMMIT RESOURCES LIMITED	QUARTERLY REPORT FOR PERIOD ENDING - 30 JUNE 2012	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 27 JULY 2012. SUMMIT RESOURCES LIMITED, SUBIACO.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17519	100.00%	SUMMIT RESOURCES (AUST) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Cromwell Metabasalt Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE PROTEROZOIC

Comments

This was the first uranium mineralisation to be found in the Mount Isa area. As well as uranium-vanadium mineralisation, drilling has also intersected copper sulphide mineralisation. Two mineralised U-V shoots have been delineated at Skal.
Multiple zones of uranium-vanadium mineralisation have been intersected, including 13m at 0.1% U3O8 and 0.06% V2O5, 31m at 0.09% U3O8 and 0.06% V2O5 and 7m at 0.14% U3O8 and 0.05% V2O5.
Grades of up to 0.54% U3O8 and 0.14% V2O5 have been intersected over 1m intervals. Copper sulphide mineralisation has also been intersected in wide zones of latered and brecciated sediments, e.g. 22m at 0.35% Cu, 5m at 0.73% Cu, 15m at 0.48% Cu.
The deposit is held by Summit Resources Ltd (50%) and Paladin Resources Ltd (50%). Drilling results have defined 3 mineralised shoots at Skal - Skal South, Skal North and Skal Far North.. All are structurally-controlled, southerly plunging shoots.

Web Page

www.summitresources.com

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503342 **SLANCE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 35.0KM WNW OF MOUNT CUTHBERT MINE.

1:100 000 sheet Number and Name: 6858 ALSACE

Grid Reference: Zone 54 352487 mE 7797910 mN Latitude -19.9095 Longitude 139.5907 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Slance Northwest
Slance Southwest
Slance Northeast

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U

Production Details

Published Reserves/Resources

BR 9922 Published in 2012 **SLANCE**

INDICATED MINERAL RESOURCE 510,000 tonnes Ore @ 0.06 % URANIUM OXIDE **FOR** 316 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 300ppm U3O8
Using 2.85t/m3 for fresh and 2.64t/m3 for weathered material

BR 9922 Published in 2012 **SLANCE**

INFERRED MINERAL RESOURCE 220,000 tonnes Ore @ 0.05 % URANIUM OXIDE **FOR** 118 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 300ppm U3O8
Using 2.85t/m3 for fresh and 2.64t/m3 for weathered material

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9922	2012	DEEP YELLOW LIMITED	DEEP YELLOW LIMITED 2012 ANNUAL REPORT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 29 AUGUST 2012. DEEP YELLOW LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14916	100.00%	DEEP YELLOW LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Cromwell Metabasalt Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	STRATABOUND URANIUM-COPPER

Mineralisation Age

ORE	PROTEROZOIC

Comments

RC drilling results for Slance Northeast announced in September 2008 included 16m at 427ppm U3O8 from 34m and 19m at 774ppm U3O8 from 51m.
RC drilling results announced for Slance Northwest in October 2008 included 12m at 1338ppm U3O8, 9m at 1017ppm U3O8, 16m at 964ppm U3O8, 14m at 759ppm U3O8 and 16m at 505ppm U3O8.
2012: Deep Yellow Ltd engaged in the process of divestment of its Australian assets in order to focus on its assets in Namibia. Limited work is conducted through to December 2012 to keep the tenements in good standing order.

Web Page

www.deepyellow.com.au

Queensland Minerals

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501329 **SLATE RIDGE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 13 KM WNW OF SELWYN MINE, 130KM SE OF MT ISA. 36KM N OF CHATSWORTH

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 432220 mE 7605166 mN Latitude -21.6554 Longitude 140.3449 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

BR 7038 Published in 2002 **OXIDE GOLD**

INFERRED MINERAL RESOURCE 120,000 tonnes Ore @

2.40 g/t GOLD **FOR** 288 Kilograms GOLD

0.10 % COPPER **FOR** 120 Tonnes COPPER

Comments/Cut Off Factor: 3.0% Cu equivalent.

BR 7038 Published in 2002 **OXIDE+SUPERGENE SULPHIDE**

INFERRED MINERAL RESOURCE 380,000 tonnes Ore @

3.30 % COPPER **FOR** 12,540 Tonnes COPPER

1.20 g/t GOLD **FOR** 456 Kilograms GOLD

Comments/Cut Off Factor: 3.0% Cu equivalent.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7038	2002	SELWYN MINES LIMITED	SELWYN MINES LIMITED - ANNUAL REPORT 2002	SELWYN MINES LIMITED

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10783	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Answer Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Web Page

www.ivanhoeaustralia.com

Queensland Minerals

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481953 **SLAUGHTER YARD CREEK**

ABANDONED MINE

Descriptive Location: 0.5 KM ESE OF RAVENSWOOD

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 488981 mE 7777168 mN Latitude -20.1025 Longitude 146.8946 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Syc
Sarsfield
Coronation
Maid Of Athens Reef
Minnie Reef
Castlebar
Leader Reef
Christmas Box Reef
Big Reef
Buck Reef
Angleterra
Syc Group

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1881	to	31-Dec-1916		720	tonnes KNOWN HISTORIC PRODUCTION
GOLD				BULLION	8.2 kilograms	
Period:	1-Jan-1987	to	31-Dec-1990		526,000	tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	1,420.6 kilograms	2.70 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Operating Mine Life: 1987 to 1990 Mined by Carpentaria Gold Pty Ltd via open cut methods.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1337	100.00%	CARPENTARIA GOLD PTY. LTD.
ML	1418	100.00%	CARPENTARIA GOLD PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Jessop Creek Granite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PORPHYRY-RELATED AURIFEROUS SUBVOLCANIC BRECCIAS AND VEINS
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	CARBONIFEROUS
ORE	CARBONIFEROUS

Comments

Web Page

Queensland Minerals

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493590 **SLOPEAWAY NORTH**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 10KM SSW OF MARLBOROUGH.

1:100 000 sheet Number and Name: 8852 MARLBOROUGH

Grid Reference: Zone 55 790320 mE 7463173 mN Latitude -22.9142 Longitude 149.8303 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

North Slopeaway

Hill 22

Commodities	Size	Size Definition
NICKEL	SMALL	250 - 25 000 tonnes NI
COBALT	SMALL	10 - 1 000 tonnes CO
CHROMITE	SMALL	100 - 10 000 tonnes CHR

Production Details

Period: 1-Jan-1986 to 31-Dec-1988

CHROMITE	575.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	80057	100.00%	MARLBOROUGH NICKEL PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARLBOROUGH PROVINCE	Princhester Serpentinite / NEOPROTEROZOIC to EARLY PALAEOZOIC

Deposit Model

GENERAL OREBODY MODEL	MAFIC VOLCANIC RELATED DEPOSIT
DETAILED OREBODY MODEL	PODIFORM CHROMITE (ALPINE TYPE)
GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC NICKEL

Mineralisation Age

ORE	CENOZOIC

Comments

Part of the Gladstone Pacific Nickel Project.

Web Page

www.gladstonepacific.com.au

Queensland Minerals

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560104 **SMITH'S CREEK ALLUVIAL**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 10.5KM NW OF MOUNT GARNET

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 290614 mE 8049969 mN Latitude -17.6271 Longitude 145.0265 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Smith'S Creek Alluvial Tin

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Published Reserves/Resources

BR 6053 Published in 1999

MID SMITH'S CREEK ALLUVIALS

INFERRED MINERAL RESOURCE 2,000,000 cubic metres Ore @ 160.00 g/m*3 CASSITERITE **FOR** 320 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	16948	100.00%	MGT MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Alluvial tin deposits derived from numerous cassiterite-bearing veins in area.

Web Page

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

40184 **SMITHFIELD UNITED**

ABANDONED MINE

Descriptive Location: 2.0 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467768 mE 7101823 mN Latitude -26.2027 Longitude 152.6774 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

United Smithfield
Smithfield P.C.

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1870 to 31-Dec-1900 31,345 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,025.6 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Dunstan (1910, 1911) showed the main shaft as the 'P.C. Smithfield Vertical United shaft'. This shaft passed through the Smithfield reef three times but the '1st and 2nd Beds of Slate' were not met.
The Smithfield reef proved very rich (122g/t Au) for 30m above the 'break' at the bottom of the slate. The Columbia reef also carried good gold and was worked north and south to the lease boundaries and stoped to within 30m of the surface.
The Smithfield reef was not auriferous where it contacted the greenstone. The 'break' on the Columbia reef consisted of carbonaceous shales with rich gold found 3 to 9m above and below it.

Web Page

www.bukagold.com.au

Queensland Minerals

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40186 **SMITHFIELD, NO.1 NORTH**

ABANDONED MINE

Descriptive Location: 1.6 KM ESE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467737 mE 7102652 mN Latitude -26.1952 Longitude 152.6771 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1868 to 31-Dec-1922 26,781 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,532.1 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Reefs worked included Smithfield, Columbia & Phoenix Golden Pile. The Smithfield reef showed coarse gold in contact with the slate on the 305m level - a trial crushing of 83t produced 19.5kg Au. A new shaft was sunk in 1896 to cope with the groundwater.
There was a marked reduction in gold production in 1910 and the mine closed in 1915 due to poor results. A syndicate took over the mine in 1917 and worked the Nos 2, 3 and 4 reefs in conglomerate and grey slate with plumbago patches.
In 1921, work from the 'No.1 North Smithfield' shaft was discontinued and the lease was worked from the 'Columbia Smithfield' shaft. In the Columbia reef, a 50 to 100mm wide quartz vein carried visible gold where in contact with the 'plumbago'.

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www.bukagold.com.au

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40187 **SMITHFIELD, NO.1 SOUTH**

ABANDONED MINE

Descriptive Location: 2.1 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467791 mE 7101778 mN Latitude -26.2031 Longitude 152.6776 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1870 to 31-Dec-1876 23,866 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,006.5 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Web Page

www.bukagold.com.au

Queensland Minerals

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40196 **SMITHFIELD, NORTH**

ABANDONED MINE

Descriptive Location: 1.6 KM ESE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467730 mE 7102430 mN Latitude -26.1972 Longitude 152.6770 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Craiglea

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1889 to 31-Dec-1924 63,135 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	3,330.0 kilograms
SILVER		0.2 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Reefs worked included the Smithfield, Columbia and Turtle. The Western Smithfield reef proved exceedingly rich in gold in the stopes above the 229m level (one specimen of 2.8kg contained 2.24kg Au).

From 1909 to 1914, returns from the reefs were poor. In 1922, a new syndicate worked quartz leaders in a 0.3 to 0.5m wide reef formation with 50 to 150mm of quartz, but no gold was found and work ceased in April 1922.

Garson and Dundas then worked a portion of this lease and the 'Phoenix Golden Pile' lease, but again results were poor and the mine was abandoned.

In 1922-1924, the top 'break' of the Columbia reef was worked, with gold being found in 20 to 50mm of quartz in black slate. On the underside of the 'break', the reef showed coarse gold. The country rock here was conglomerate with black/grey slate.

Other reefs comprised 20 to 200mm of quartz with visible gold in conglomerate with black slate 'floors'. The 'Craiglea' claims worked the Columbia (Flat) reef from the 'Smithfield North' shaft in 1920-1921.

The reef above and below the 'break' averaged 50mm width of quartz that carried minor amounts of gold. Results were poor and operations ceased in 1922.

Web Page

www.bukagold.com.au

Queensland Minerals

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40197 SMITHFIELD, NOS 2 & 3 SOUTH

ABANDONED MINE

Descriptive Location: 2.2 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467967 mE 7101784 mN Latitude -26.2030 Longitude 152.6794 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1870 to 91,200 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 2,163.4 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

GML 526 was worked from this shaft. The mine workings were connected with those of the 'Smithfield United' at the northern boundary in 1889. The 'Smithfield, Nos 2 & 3 South' is located on the Columbia reef, with the Smithfield reef 213m to the west.

Dunstan (1910, 1911) showed this mine as the 'Eastern 2 & 3 South Smithfield shaft'. The mine was operating by 1870 (Holthouse, 1973, p190). Rands (1889) stated that the '2 & 3 South Smithfield' shaft was near the NE corner of GML 316 on the Columbia reef

The Columbia reef changes its dip direction 2 to 3 times with depth. At the surface, it is 18m east of the shaft and dips west. At 91m depth, where it changes to an easterly dip, it is 6.1m west of the shaft.

At 122m depth, where it changes back to a westerly dip, it is 4.6m east of the shaft. The reef tends to branch, being separated by a 'horse' of mullock and proved to be rich in gold above a 'break' on the 122m level.

The lode worked in 1889-1890 averaged 2.4m wide. The operating company went into liquidation in 1900 and the mine was worked by tributers from 1901 to 1911.

These tributers concentrated mainly on the middle reef of small quartz veins (12-50mm wide). Work in the final years was confined to south of the Smithfield crosscourse in 'black rock with plumbago floors' where small quartz veins contained minor gold.

Quartz veins, 50-100 mm wide, in conglomerate with 'plumbago floors' (including the Columbia reef) carried fine gold. Work was confined to the 91 and 107m levels in 1909 to 1911.

Web Page

www.bukagold.com.au

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40200 SMITHFIELD, PHOENIX GOLDEN PILE

ABANDONED MINE

Descriptive Location: 1.4 KM E OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467646 mE 7103001 mN Latitude -26.1920 Longitude 152.6762 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1893 to 31-Dec-1922 25,850 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 760.6 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

This mine worked the Smithfield and Columbia reefs, which averaged 230mm in width. Work was centred on the 335 and 363m levels in 1908, with production coming from the western reef. Tributers worked the mine in 1914.

In 1921, the Columbia Extended Syndicate reopened the mine and worked a 25mm wide quartz reef showing coarse gold on the 305m level. Operations ceased in 1922.

Web Page

www.bukagold.com.au

Queensland Minerals

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42633 **SMITHS CREEK**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 11 KM NW OF MOUNT GARNET, 100KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 290814 mE 8050269 mN Latitude -17.6244 Longitude 145.0284 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

New England South
New England Consols
Mid Smiths Creek

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
COPPER	VERY SMALL	<500 tonnes CU
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Period: 1-Jan-1903 to 31-Dec-1935 87,190 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 2,709.7 tonnes

WOLFRAMITE 2.0 tonnes

Published Reserves/Resources

BR 10173 Published in 2012

SMITHS CREEK HARD ROCK

INFERRED MINERAL RESOURCE 200,000 tonnes Ore @ 1.68 % TIN **FOR** 3,360 Tonnes TIN

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10173	2012	MGT RESOURCES LIMITED	MGT RESOURCES PROSPECTUS	REPORT TO THE AUSTRALIAN STOCK EXCHANGE. 15 OCTOBER 2012, MGT RESOURCES LIMITED

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	16948	100.00%	MGT MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Nymbool Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)
DETAILED OREBODY MODEL	GREISEN

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

2013: MGT Resources are still at an early stage of exploration and drilling; First intersections were reported in Feb 2013

Web Page

http://www.mgt.net.au/

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42635 **SNISKA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 6KM NE OF MT GARNET.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 306814 mE 8047069 mN Latitude -17.6548 Longitude 145.1789 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Pinnacles - Sniska

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
FLUORITE	SMALL	50 - 50 000 tonnes FL
IRON	SMALL	5 000 - 5 000 000 tonnes FE
MAGNETITE	SMALL	50 000 - 500 000 tonnes MT
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source
BR 10409	2014	CONSOLIDATED TIN MINES LIMITED	ANNUAL REPORT 2014	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE. 13 OCTOBER 2014. CONSOLIDATED TIN MINES LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14185	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	TIN SKARN

Mineralisation Age

ORE	LATE CARBONIFEROUS

Comments

Two small outcrops of fresh wrigglite skarn occur at this prospect, in contact with a granitic boss. The area is covered with a gossanous limonitic crust, which is suspected to be a highly weathered leached skarn.

Sheelite and tin mineralisation occur at this prospect. Rock cip samples averaged 12% F (ERMS 14894). This locality has not been field checked.

Web Page

www.consolidatedtinmines.com.au

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501442 **SNOWY**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 22.7KM SSW OF MOUNT ISA

1:100 000 sheet Number and Name: 6756 MOUNT ISA

Grid Reference: Zone 54 338270 mE 7685095 mN Latitude -20.9274 Longitude 139.4447 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
SILICA	SMALL	1 000 - 1 000 000 t SIO

Production Details

Period: 1-Jan-1967 to 31-Dec-1967

LUMP SILICA	3,100.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5432	100.00%	MOUNT ISA MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Eastern Creek Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	ROCK SILICA

Mineralisation Age

ORE	PROTEROZOIC

Comments

Was mined by Mount Isa Mines Ltd for silica flux.

Web Page

www.xstrata.com

Queensland Minerals

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493693 **SOAPSPAR**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 12 KM NORTH-EAST OF MIDDLE PARK HOMESTEAD; SOUTH OF THE WOOLGAR RIVER, THE WORKINGS EXTEND NC

1:100 000 sheet Number and Name: 7558 MOUNT NORMAN

Grid Reference: Zone 54 750356 mE 7816311 mN Latitude -19.7328 Longitude 143.3888 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

New Soapspar
Austral
New Austral
Jons Vein

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1955	to	31-Dec-1955			
GOLD				FINE	0.2 kilograms	4.70 grams per tonne
SILVER					0.0 kilograms	0.70 grams per tonne
Period:	1-Jan-1956	to	31-Dec-1963		402 tonnes HARD ROCK ORE (OR REEF)	
GOLD				FINE	6.2 kilograms	15.40 grams per tonne
SILVER					0.2 kilograms	0.50 grams per tonne
Period:	1-Jul-1976	to	30-Jun-1977		300 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	3.6 kilograms	11.90 grams per tonne
Period:	1-Jan-1980	to	31-Dec-1980		230 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	2.5 kilograms	10.70 grams per tonne
GOLD				BULLION	1.9 kilograms	

Published Reserves/Resources

BR 10531 Published in 2016 **SOAPSPAR**

INDICATED MINERAL RESOURCE 1,175,000 tonnes Ore @ 0.90 g/t GOLD **FOR** 1,057 Kilograms GOLD

Comments/Cut Off Factor: Cut-off grade of 0.4ppm Au for Puzzle Lode and 0ppm Au for Jons Lode and background mineralisation.

BR 10531 Published in 2016 **SOAPSPAR**

INFERRED MINERAL RESOURCE 472,000 tonnes Ore @ 0.82 g/t GOLD **FOR** 387 Kilograms GOLD

Comments/Cut Off Factor: Cut-off grade of 0.4ppm Au for Puzzle Lode and 0ppm Au for Jons Lode and background mineralisation.

BR 10531 Published in 2016 **SOAPSPAR**

MEASURED MINERAL RESOURCE 1,667,000 tonnes Ore @ 0.91 g/t GOLD **FOR** 1,516 Kilograms GOLD

Comments/Cut Off Factor: Cut off grade of 0.4ppm Au for Puzzle Lode and 0ppm Au for Jons Lode and background mineralisation.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10531	2016	STRATEGIC MINERALS CORPORATION NL	ANNUAL REPORT 31 DECEMBER 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 31 MARCH 2016. STRATEGIC MINERALS CORPORATION NL, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1955	to	1969	The Soapspar workings previously known as the Austral and New Austral were held under claim by R Barns until 1969 when he applied for ML 8580 "Soapspar" to cover the area.

Mining Operations	Comments
ADITS	
DECLINED SHAFTS/DRIVES	Underlie shaft dipping 60 degrees towards 270 degrees.
PITS	
UNDERGROUND MINING METHODS	
SHAFTS	
OPEN CUT MINING	40m long x 25m wide x 15m high.

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Tenure Type/Number		SHARE	Company Name/Surname
EPM	9599	100.00%	STRATEGIC MINERALS CORPORATION N.L.
ML	2642	100.00%	STRATEGIC MINERALS CORPORATION N.L.
ML	2793	100.00%	STRATEGIC MINERALS CORPORATION N.L.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Einasleigh Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
ETHERIDGE PROVINCE	

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE	CARBONIFEROUS to PERMIAN

Comments

The Soapspar deposit consists of a shallowly dipping discontinuos zone of intensely altered schists, gneisses, migmatite, metaquartzites and metadolerite? with minor quartz veining.

A desktop study of the viability of a small-scale, stand-alone pilot mine development of the Soapspar resource delivered positive economic returns. The Soapspar deposit is currently in prefeasibility stage with focus on metallurgical testwork.

The Soapspar deposit consists of two distinctly different adjacent lodes (Puzzle and Jons) as well as background mineralisation. The resource has been estimated with open cut mining and heap leach processing in mind.

Web Page

http://www.stratmin.com.au

Queensland Minerals

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42228 **SODA SPRINGS**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 29KM WSW OF MULDIVA, 155KM WSW OF CAIRNS.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 214614 mE 8069769 mN Latitude -17.4399 Longitude 144.3134 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Soda Springs Tin

Tate River Tin

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Published Reserves/Resources

BR 8651 Published in 2008 **TATE RIVER**

INFERRED MINERAL RESOURCE 2,000,000 cubic metres Ore @ 625.00 g/m*3 CASSITERITE **FOR** 1,250 Tonnes CASSITERITE

Bank cubic metres.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8651	2008	CONSOLIDATED TIN MINES LTD	THIRD QUARTER ACTIVITIES AND CASHFLOW REPORT.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 28 APRIL 2008. CONSOLIDATED TIN MINES LTD, CAIRNS.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14185	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	QUATERNARY	Alluvium.

Comments

Web Page

www.consolidatedtinmines.com.au

Queensland Minerals

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39039 **SONS OF FREEDOM**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 5.8 KM SE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 425678 mE 7775201 mN Latitude -20.1188 Longitude 146.2890 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1877 to 31-Dec-1907 947 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 46.4 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments
1877	to 1907	
2010		The Sons of Freedom mine is currently being developed by Citigold Corporation Limited via the Warrior Mine. Trial mining has been completed with mining commencing in March 2010.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
DECLINED SHAFTS/DRIVES	

Tenure Type/Number	SHARE	Company Name/Surname
ML 1490	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Mining began in March 2010 and ore is now being accessed from the current Warrior workings from the 855 North 1 and 855 South 2 levels in the Sons of Freedom ore body.

The inferred resource for the Sons of Freedom reef has been combined with the Washington mine.

Web Page

www.citigold.com

Queensland Minerals

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588521 **SOUTH JOHNSTONE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: ~20KM WEST OF MOURILYAN HARBOUR

1:100 000 sheet Number and Name: 8062 TULLY

Grid Reference: Zone 55 389401 mE 8051205 mN Latitude -17.6231 Longitude 145.9575 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

Camp Creek Bauxite

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

BR 10405 Published in 2014

SOUTH JOHNSTONE

INFERRED MINERAL RESOURCE 30,000,000 tonnes Ore @ 30,000,000 Tonnes BAUXITE

Comments/Cut Off Factor: 25.2% available alumina (range from 20% cutoff to 31.7%) and 6.9% reactive silica (cutoff 1.9%-10%)

http://www.queenslandbauxite.com.au/investor-centre/asx-announcements/

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10405	2014	QUEENSLAND BAUXITE LIMITED	ASX ANNOUNCEMENT; 29 DECEMBER 2014 CLARIFICATION OF 30 OCTOBER SCOPING STUDY ANNOUNCEMENT	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 29 DECEMBER 2014. QUEENSLAND BAUXITE LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	18463	80.00%	VOLCAN QUEENSLAND BAUXITE PTY LTD
EPM	18463	20.00%	SOUTH JOHNSTONE BAUXITE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
	Tertiary-Quaternary basalts, N Queensland / LATE TERTIARY to QUATERNARY

Deposit Model

Mineralisation Age

BAUXITE

Comments

In June 2014 Queensland Bauxite has estimated a JORC Inferred Resource of 30 million tonnes of bauxite, based on its initial 60 hole drilling program at South Johnstone. The average grade of the bauxite at low temperature leaching is 25.2% available alumina (range from 20% cutoff to 31.7%) and 6.9% reactive silica (range from 1.9% to 10% cutoff). (Source: http://www.queenslandbauxite.com.au/investor-centre/asx-announcements/ 18 June 2014)

Web Page

http://www.queenslandbauxite.com.au/

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486361 **SOUTHERN CROSS**

CARE AND MAINTENANCE

Descriptive Location: 6KM EAST OF IPSWICH, NEAR SWANBANK POWER STATION.

1:100 000 sheet Number and Name: 9442 IPSWICH

Grid Reference: Zone 56 480953 mE 6941534 mN Latitude -27.6501 Longitude 152.8069 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period:	1-Jul-1998	to	30-Jun-1999
BRICK CLAY			15,228.0 tonnes
Period:	1-Jul-2000	to	30-Jun-2001
BRICK CLAY			15,000.0 tonnes
Period:	1-Jul-2001	to	30-Jun-2002
BRICK CLAY			15,000.0 tonnes
Period:	1-Jul-2003	to	30-Jun-2004
BRICK CLAY			3,369.0 tonnes
Period:	1-Jul-2004	to	30-Jun-2005
BRICK CLAY			3,377.0 tonnes
Period:	1-Jul-2005	to	30-Jun-2006
BRICK CLAY			15,208.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
IPSWICH BASIN	Blackstone Formation / LATE TRIASSIC to LATE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	LATE TRIASSIC

Comments

Web Page

http://www.australbrick.com.au

42328 SPLINTER CREEK LIMESTONE

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 8KM NE OF MONTO, 95KM SSW OF GLADSTONE.

1:100 000 sheet Number and Name: 9148 MONTO

Grid Reference: Zone 56 318600 mE 7241990 mN Latitude -24.9264 Longitude 151.2036 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Wounded Eye Area

Old Cannindah Area

Commodities	Size	Size Definition
LIMESTONE	LARGE	>10 000 000 tonnes LST

Production Details

Published Reserves/Resources

Company Report 14829 Published in 1985 **EPM 3338 AREA**

INFERRED MINERAL RESOURCE

78,600,000 Tonnes LIMESTONE

Comments/Cut Off Factor: <12% SiO2.

Estimate of high grade fossiliferous micritic and fossiliferous limestone above 250m AHD. Below 250m AHD there could be 2Mt/vertical metre.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ROCKHAMPTON SUBPROVINCE	Splinter Creek Formation / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	EARLY CARBONIFEROUS	Limestone.

Comments

Exploration confirmed that high-grade, recrystallised, fossiliferous, oolitic limestone occurs near the top of the sequence. An EM survey indicated that thicknesses of 50-100m of high quality (50-55% CaO, 2-12% SiO2) limestone could be present.

Limestone composition is 47.7-54% CaO, 0.27-0.3% MgO, 2.08-11.3% SiO2, 0.48-1.63% Al2O3 and 0.37%-0.44% Fe2O3.

Inferred resources with >12% SiO2 are 12.5Mt above 250m AHD, with 0.4Mt per vertical metre below 250m AHD.

Web Page

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42179 **SPLIT ROCK**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 11KM SOUTH OF CARDROSS, 30KM WEST OF MUNGANA, 165KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 192414 mE 8103769 mN Latitude -17.1300 Longitude 144.1094 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Split Rock Prospect

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

Company Report 4652 Published in 1973

INFERRED MINERAL RESOURCE 2,000,000 tonnes Ore @ 0.50 % COPPER **FOR** 10,000 Tonnes COPPER

Comments/Cut Off Factor: Includes 1Mt at 0.6% Cu.
Includes 1 Mt @ 0.6% Cu.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
TRENCHES	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Nundah Granodiorite / SILURIAN to SILURIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU

Mineralisation Age

ORE	LATE CARBONIFEROUS

Comments

Patchy copper mineralisation occurs over a wide area in silicified granite of possible Carboniferous age. Best interection was 51.8m @ 0.39% Cu from 206.7 m down hole on the western side of the prospect.

Web Page

www.axiom-mining.com

Queensland Minerals

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501298 **SPRINGVALE ZEOLITE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 6.5 KM SOUTH-SOUTH-EAST OF WILLOWS, 380KM WEST OF GLADSTONE.

1:100 000 sheet Number and Name: 8350 BOGANTUNGAN

Grid Reference: Zone 55 550968 mE 7377615 mN Latitude -23.7115 Longitude 147.5000 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Zeolite Australia

Commodities	Size	Size Definition
ZEOLITE	LARGE	>2 000 000 tonnes ZEOL

Production Details

Published Reserves/Resources

Company Report 30251 Published in 1997

INFERRED MINERAL RESOURCE

2,500,000 Tonnes ZEOLITE

Accessible by open cut mining methods with minimum overburden. 9km x 3 km strike length.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	70217	100.00%	ZEOLITE AUSTRALIA PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DRUMMOND BASIN	Ducabrook Formation / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL RESIDUAL DEPOSIT

Mineralisation Age

ORE EARLY CARBONIFEROUS

Comments

This deposit is along strike from and to the south-east of the Willows zeolite mine. The zeolite present is a Ca-type clinoptilolite.

Web Page

www.zeolite.com.au

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38773 **ST PATRICK LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1.2 KM N OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 423525 mE 7780357 mN Latitude -20.0722 Longitude 146.2686 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Columbia Lode
Mystery
Mystery Lode
North Star
Rise And Shine
Young St. Patrick
Saint Patrick Block
St Patrick Block
Dan O'Connell
Bryan O'Lynn
New St Patrick
Rise And Shine Extended
Little Mystery
Try Again
Saint Patrick
Saint Patrick Lode
Columbia Block
No. 2 North Rise And Shine
Young St Patrick No. 1 South
No. 1 South Rise And Shine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1875 to 31-Dec-1907 44,499 tonnes HARD ROCK ORE (OR REEF)
GOLD BULLION 2,056.3 kilograms
Period: 1-Jan-1878 to 31-Dec-1965 12,739 tonnes HARD ROCK ORE (OR REEF)
GOLD BULLION 344.3 kilograms

Published Reserves/Resources

BR 10151 Published in 2012 **COLUMBIA (C23)**
INDICATED MINERAL RESOURCE 184,582 tonnes Ore @
7.16 g/t GOLD **FOR** 1,321 Kilograms GOLD

Including probable reserves of 203040t at 6.19g/t Au.

BR 10151 Published in 2012 **ST PATRICK & COLUMBIA X-VEINS**
INFERRED MINERAL RESOURCE 3,602,085 tonnes Ore @
13.50 g/t GOLD **FOR** 48,628 Kilograms GOLD
9.00 g/t SILVER **FOR** 32,418 Kilograms SILVER

Comments/Cut Off Factor: 1g/t cutoff
(Name: St Patrick and Columbia Cross Veins)

BR 10151 Published in 2012 **ST PATRICK (C06)**
INDICATED MINERAL RESOURCE 704,047 tonnes Ore @
3.74 g/t GOLD **FOR** 2,633 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1872	to	1907	Mainly mined between 1875 and 1894.
1932	to	1965	The Columbia, North Star and Mystery reefs were worked intermittently during this time.

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Mining Operations	Comments
UNDERGROUND MINING METHODS	
INCLINED SHAFTS / DRIVES	
SHAFTS	At least 16 vertical shafts worked this lode
OPEN CUT MINING	Small open cuts.

Tenure Type/Number		SHARE	Company Name/Surname
ML	10208	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	LATE SILURIAN to EARLY DEVONIAN

Comments

Web Page

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44068 **STAINES**

ABANDONED MINE

Descriptive Location: 19.4 KM NW OF STANTHORPE.

1:100 000 sheet Number and Name: 9240 STANTHORPE

Grid Reference: Zone 56 381705 mE 6843076 mN Latitude -28.5336 Longitude 151.7909 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Staines Wolfram Mine
Watson'S Swamp
Victory Wolfram Mine

Commodities	Size	Size Definition
TUNGSTEN	SMALL	5 - 500 tonnes W

Production Details

57 tonnes KNOWN HISTORIC PRODUCTION

WOLFRAMITE 7.1 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1916	to	1916	
1940	to	1940	

Mining Operations	Comments
OPEN CUT MINING	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Texas beds / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS
NEW ENGLAND BATHOLITH	Ruby Creek Granite / EARLY TRIASSIC to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE MIDDLE TRIASSIC

Comments

Web Page

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610255 **STANWELL**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 2.7KM SE OF STANWELL.

1:100 000 sheet Number and Name: 8950 MOUNT MORGAN

Grid Reference: Zone 56 228983 mE 7395759 mN Latitude -23.5259 Longitude 150.3457 Date Recorded: 8/February/2017

Other Names for Deposit / Mine

Stanwell Granite

Commodities	Size	Size Definition
GRANITE	SMALL	10 000 - 100 000 tonnes GR

Production Details

Period: 1-Jun-2015 to 30-Jun-2016

GRANITE	102,958.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	80076	100.00%	FAIRVIEW QUARRY PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*

Deposit Model

Mineralisation Age

GRANITE

Comments

CQQ Stanwell Pty Ltd went into administration in August 2016.

Web Page

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518219 **STAPYLTON**

ABANDONED MINE

Descriptive Location: 7.7KM EAST OF BEENLEIGH.

1:100 000 sheet Number and Name: 9542 BEENLEIGH

Grid Reference: Zone 56 524978 mE 6931642 mN Latitude -27.7393 Longitude 153.2534 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jul-2000 to 30-Jun-2010

BRICK CLAY	91,902.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BEENLEIGH SUBPROVINCE (BLOCK)	Neranleigh-Fernvale beds / DEVONIAN to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	DEVONIAN to CENOZOIC

Comments

Clay pit for Boral Bricks.

Web Page

www.boral.com.au

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517990 **STARRA 222**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 34KM NNE OF CHATSWORTH HOMESTEAD; 149KM SE OF MOUNT ISA

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 444831 mE 7599134 mN Latitude -21.7103 Longitude 140.4666 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Selwyn - Area 222

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
COPPER	MEDIUM	50 000 - 250 000 tonnes CU

Production Details

Period: 1-Jan-1988 to 31-Dec-1992 930,000 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 7,000.0 tonnes

GOLD BULLION 3,421.0 kilograms

Period: 1-Jan-1992 to 31-Dec-1998 1,202,000 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 14,000.0 tonnes

GOLD BULLION 5,225.0 kilograms

Published Reserves/Resources

BR 9985 Published in 2012 **STARRA 222**

INDICATED MINERAL RESOURCE 4,500,000 tonnes Ore @

0.60 % COPPER **FOR** 26,400 Tonnes COPPER

1.10 g/t GOLD **FOR** 4,950 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu equivalent

BR 9985 Published in 2012 **STARRA 222**

INFERRED MINERAL RESOURCE 10,600,000 tonnes Ore @

0.60 % COPPER **FOR** 33,000 Tonnes COPPER

0.90 g/t GOLD **FOR** 9,540 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu equivalent

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9985	2012	GOLDER ASSOCIATES	TECHNICAL REPORT STARRA 222 DEPOSIT, NWQLD, AUSTRALIA	HTTP://WWW.IVANHOEAUSTRALIA.COM/S/TECHNICALREPORTS.ASP, 25 MAY 2012. IVANHOE AUSTRALIA LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1988	to	1999	Open cut and underground mines produced 8221.4kg Au and 22000t Cu. 2132000t ore mined. Signif resources remained as mining ceased in 2002.
2002	to	2002	107804t of ore mined, no results reported.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10783	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD
ML	2733	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Staveley Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

This deposit produced 7000t of Cu and 3421kg of Au from 930000t of ore by open cut mining from 1988 to 1992; it also produced 14000t of Cu and 5225kg of Au from 1202000t of ore by underground mining from 1992 to 1997.

The resources announced by Ivanhoe Australia Ltd in September 2008 extend below the previously mined zone and can be accessed through the established mine infrastructure.

In February 2011 Ivanhoe reported a high grade intersect of 19.4 m from 384.6 m @ 1.98% copper and 4.27 g/t gold in STQ1042.

In October 2010 Ivanhoe reported first drill hole results: STQ1036 58m @ 1.04% Cu, 1.76g/t Au from 550m and 29m @ 0.42% Cu, 1.00g/t Au and 56m @ 0.60% Cu, 0.16g/t Au from 390m; STQ1037: 2.48m @ 9.39g/tAu from 54.4m (BR9558).

Web Page

http://www.inovaresources.com/

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517991 **STARRA 244**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 37KM NNE OF CHATSWORTH HOMESTEAD; 147KM SE OF MOUNT ISA

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 445493 mE 7601414 mN Latitude -21.6897 Longitude 140.4731 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Selwyn - Area 244

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Period:	1-Jan-1988	to	31-Dec-1993		576,000 tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	3,000.0 tonnes
GOLD				BULLION	2,115.0 kilograms
Period:	1-Jan-1993	to	31-Dec-1998		124,000 tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	1,000.0 tonnes
GOLD				BULLION	498.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1988	to	1998	700 000t ore mined at 0.7% Cu and 3.7g/t Au
2002	to	2002	28249t ore mined but no results reported

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10783	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD
ML	2733	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Staveley Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Web Page

http://www.inovaresources.com/

Queensland Minerals

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517992 **STARRA 251**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 37KM NNE OF CHATSWORTH HOMESTEAD; 147KM SE OF MOUNT ISA

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 445510 mE 7602064 mN Latitude -21.6839 Longitude 140.4733 Date Recorded: 29/July/2014

Other Names for Deposit / Mine

Selwyn - Area 251

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
COPPER	MEDIUM	50 000 - 250 000 tonnes CU

Production Details

Period: 1-Jan-1987 to 31-Dec-1988 110,000 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	1,000.0 tonnes
GOLD	BULLION	1,151.0 kilograms
COPPER	METAL	103,000.0 tonnes
GOLD	BULLION	12,348.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1987	to	1988	This deposit produced 1000t Cu and 1151kg Au from 110000t of ore by open cut mining
1988	to	1994	This deposit produced 103000t Cu and 12348kg Au from 2412000t of ore by underground mining from 1987 to 1994.
2002	to	2002	119607t of ore were processed, no results/production was reported

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10783	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD
ML	2733	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Staveley Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Web Page

http://www.inovaresources.com/

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517993 **STARRA 257**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 38KM NNE OF CHATSWORTH HOMESTEAD; 147KM SE OF MOUNT ISA

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 445626 mE 7602660 mN Latitude -21.6785 Longitude 140.4744 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Selwyn - Area 257

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Period:	1-Jan-1987	to	31-Dec-1990		690,000 tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	2,000.0 tonnes
GOLD				BULLION	3,173.0 kilograms
Period:	1-Jan-1990	to	31-Dec-1998		466,000 tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	5,000.0 tonnes
GOLD				BULLION	2,022.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1987	to	1990	This deposit produced 2000t Cu and 3173kg Au from 690000t of ore by open cut mining from 1987 to 1990.
1990	to	1998	The deposit produced 5000t Cu and 2022kg Au from 466000t of ore by underground mining from 1990 to 1998.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10783	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD
ML	2733	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Staveley Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Web Page

http://www.inovaresources.com/

Queensland Minerals

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517994 **STARRA 276**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 39KM NNE OF CHATSWORTH HOMESTEAD; 146KM SE OF MOUNT ISA

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 445876 mE 7604502 mN Latitude -21.6618 Longitude 140.4769 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Osborne Project

Selwyn - Area 276

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
COPPER	MEDIUM	50 000 - 250 000 tonnes CU

Production Details

Period: 1-Jan-1997 to 31-Dec-1999 334,500 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	7,000.0 tonnes
GOLD	BULLION	1,244.0 kilograms

Published Reserves/Resources

BR 10318 Published in 2013 **STARRA 276**

INDICATED MINERAL RESOURCE 2,900,000 tonnes Ore @

1.60 % COPPER **FOR** 46,400 Tonnes COPPER

1.08 g/t GOLD **FOR** 3,132 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu equivalent

most of this resource may be mined out by Chinova before August 2014. 2013 Mineral reserve 854 Mt at 1.52% Cu and 0.87g/t Au

BR 10318 Published in 2013 **STARRA 276**

INFERRED MINERAL RESOURCE 1,400,000 tonnes Ore @

1.36 % COPPER **FOR** 19,040 Tonnes COPPER

1.45 g/t GOLD **FOR** 2,030 Kilograms GOLD

Comments/Cut Off Factor: 1.5% Cu equivalent

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10318	2013	INOVA RESOURCES	INOVA RESOURCES; MARKET RELEASE; UPDATED STARRA 276 MINERAL RESOURCES AND MINERAL RESERVES; OSBORNE PROJECT OVERVIEW	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 19 SEPTEMBER 2013. INOVA RESOURCES, MELBOURNE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1997	to	1999	334000t ore mined at 2.1% Cu and 3.8g/t Au

Mining Operations	Comments
UNDERGROUND MINING METHODS	Decline

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10783	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD
ML	2733	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Staveley Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

This deposit produced 7000t of Cu and 1244kg of Au from 334500t of ore by underground mining from 1997 to 1999.

The resources announced by Ivanhoe Australia Ltd in September 2008 extend below the previously mined zone and are partly accessible through the established mine infrastructure.

2012 cont.: is scheduled to begin from Starra 276 in Q1 2013. Ore will be hauled along the Osborne-Mount Dore haul road, to be completed in Q4 2012. Chinova Resources had taken over operations and kept processing ore until August 2014.

In 2012 Ivanhoe planned to mine this deposit together with Osborne and Kulthor underground operations and process ore at the Osborne plant facilities. In Dec work began to widen the existing decline to enable access by larger haul trucks. Ore production

Web Page
http://www.chinovaresources.com/

Queensland Minerals

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43990 **STATE ARSENIC MINE**

ABANDONED MINE

Descriptive Location: 33.8 KM WSW OF STANTHORPE.

1:100 000 sheet Number and Name: 9240 STANTHORPE

Grid Reference: Zone 56 364805 mE 6815436 mN Latitude -28.7814 Longitude 151.6149 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Jibbinbar

Commodities	Size	Size Definition
ARSENIC	SMALL	50 - 5 000 tonnes AS
SILVER	VERY SMALL	<5 tonnes AG
COPPER	VERY SMALL	<500 tonnes CU
LEAD	VERY SMALL	<1000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1919 to 31-Dec-1924 12,500 tonnes HARD ROCK ORE (OR REEF)

ARSENIC 1,953.0 tonnes

Published Reserves/Resources

Company Report 19523 Published in 1989 **TAILINGS**

INFERRED MINERAL RESOURCE 13,000 tonnes Ore @

100.00 ppm SILVER	**FOR**	1,300 Kilograms SILVER
8,000.00 ppm ARSENIC	**FOR**	104 Tonnes ARSENIC
465.00 ppm COPPER	**FOR**	6 Tonnes COPPER
430.00 ppm LEAD	**FOR**	6 Tonnes LEAD
0.16 ppm GOLD	**FOR**	2 Kilograms GOLD
85.00 ppm ZINC	**FOR**	1 Tonnes ZINC

Values given for elements are the maximium present. Minimiums are 30 ppm Ag, 0.09 ppm Au, 280 ppm Cu, 400 ppm Pb, 65 ppm Zn. Poor grade control therefore not QMINed.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Texas beds / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS
NEW ENGLAND BATHOLITH	Ruby Creek Granite / EARLY TRIASSIC to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	MIDDLE TRIASSIC

Comments

The State Arsenic Mine began operations in 1918 and was officially closed in 1932. The arsenic was used for the eradication of prickly pear.

Web Page

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43826 **STATION CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 13.3 KM SOUTH-EAST OF MOUNT CARBINE, 62KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7964 RUMULA

Grid Reference: Zone 55 310614 mE 8162670 mN Latitude -16.6107 Longitude 145.2247 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Mulligan Highway

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Published Reserves/Resources

Company Report 4986 Published in 1973

INFERRED MINERAL RESOURCE 46,000,000 cubic metres Ore @ 180.00 g/m*3 CASSITERITE **FOR** 8,280 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14871	100.00%	CARBINE TUNGSTEN LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Cassiterite and minor amounts of wolframite are concentrated in three layers: at the surface in recent alluvium; at 7m depth in cemented wash that is believed to be an ancient weathering surface; and at 16m depth at the base of the alluvial profile.
Cassiterite and tungsten are shedding from the western slopes of Mount Lewis, where the Mount Carbine granite contains numerous quartz and quartz greisen veinlets.

Web Page

www.kangaroometals.com.au

Queensland Minerals

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478825 **STEAM ENGINE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 21 KM WEST-SOUTH-WEST OF GREENVALE, 210KM WNW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7859 BURGES

Grid Reference: Zone 55 262206 mE 7895908 mN Latitude -19.0156 Longitude 144.7409 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Lucky Surprise

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1905 to 31-Dec-1911 167 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 11.7 kilograms

Published Reserves/Resources

Company Report 21951 Published in 1990 **STEAM ENGINE**

INDICATED MINERAL RESOURCE 280,000 tonnes Ore @ 2.50 g/t GOLD **FOR** 700 Kilograms GOLD

Comments/Cut Off Factor: Resource is to a depth of 50m.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1905	to	1911	Mining
1932	to	1932	Old shaft restored but no ore raised.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	30m deep

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14346	100.00%	BLACK STAR PETROLEUM LIMITED
MDL	107	100.00%	BLACK STAR PETROLEUM LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
THALANGA PROVINCE	Lucky Creek Metamorphic Group / CAMBRIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE SILURIAN to DEVONIAN

Comments

Native gold occurs as discrete grains associated with pyrite and arsenopyrite in quartz veins hosted by sericite-carbonate-biotite schist. Beacon Minerals Ltd drilled 4 holes to test the depth extensions and continuity within the oxide zone. The best intersection was 6m at 5.5g/t Au from 95m, including 2nm at 15.6g/t Au.

Web Page

www.beaconminerals.com; www.glengarry.com.au

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507566 **STEAMBOAT - BLAZAN CREEK**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 132KM SSW OF MT ISA, 25KM S OF ARDMORE HOMESTEAD

1:100 000 sheet Number and Name: 6754 ARDMORE

Grid Reference: Zone 54 307121 mE 7581167 mN Latitude -21.8629 Longitude 139.1334 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

Company Report 6987 Published in 1979 **STEAMBOAT - BLAZEN CREEK**

INFERRED MINERAL RESOURCE 24,000,000 tonnes Ore @ 17.70 % PHOSPHATE **FOR** 4,248,000 Tonnes PHOSPHATE

Average grade of 17.7% P2O5.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14905	100.00%	KING EAGLE RESOURCES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Beetle Creek Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	CAMBRIAN	Phosphorite

Comments

Web Page

www.goldencross.com.au

Queensland Minerals

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39048 **STOCKHOLM**

CARE AND MAINTENANCE, INACTIVE PROSPECT

Descriptive Location: 6.7 KM SW OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 418638 mE 7774360 mN Latitude -20.1262 Longitude 146.2216 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Stockholm Cross
Comstock
West Decline

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1873	to	31-Dec-1991		101,309 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	2,363.0 kilograms	
Period:	1-Jul-1996	to	30-Jun-1997			
SILVER					61.6 kilograms	
GOLD				FINE	169.3 kilograms	
Period:	1-Jul-1997	to	30-Jun-1998		357,000 tonnes HARD ROCK ORE (OR REEF)	
GOLD				BULLION	741.4 kilograms	2.31 grams per tonne

Published Reserves/Resources

BR 10151 Published in 2012 **STOCKHOLM**

INDICATED MINERAL RESOURCE 14,968 tonnes Ore @ 12.30 g/t GOLD **FOR** 184 Kilograms GOLD

Comments/Cut Off Factor: 7g/t Au cut-off

Containing probable reserve of 16465t @ 10.58g/t Au.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1873	to	1895	
1905	to	1919	
1982	to	1991	
1996	to	1998	Mining by Charters Towers Gold Mines NL over a period of six months.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1424	50.00%	GREAT MINES PTY LTD
ML	1424	50.00%	CHARTERS TOWERS MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Queensland Minerals

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494922 **STRATHFIELD**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 175KM ESE OF MT ISA, 63 KM NNE OF CANNINGTON MINE

1:100 000 sheet Number and Name: 7155 MCKINLAY

Grid Reference: Zone 54 504618 mE 7641128 mN Latitude -21.3317 Longitude 141.0445 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 6338 Published in 2000

INDICATED MINERAL RESOURCE 490,000 tonnes Ore @

1.30 % COPPER **FOR** 6,370 Tonnes COPPER

0.20 g/t GOLD **FOR** 98 Kilograms GOLD

Comments/Cut Off Factor: 0.7% Cu cutoff.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6338	2000	EXCO RESOURCES NL	2000 ANNUAL REPORT	

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	6788	100.00%	SOUTH32 CANNINGTON PROPRIETARY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CLONCURRY SUBPROVINCE	Soldiers Cap Group / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

A large zone of low-grade copper (approximately 0.5% Cu) with minor zones of gold enrichment over a strike length of 3000 metres. Ore resources calculated over a strike length of 100m.

Drilling by Placer Pacific (Osborne) Pty Ltd in 2004 returned intersections of 7m at 2.74% Cu and 0.82g/t Au from 299m and 5m at 1.36% Cu and 1.55g/t Au from 245m.

The prospect is currently held by BHP Billiton Minerals Pty Ltd under a joint venture with Exco Resources NL. Ivanhoe Australia Ltd is also involved in this joint venture.

Web Page

www.excoresources.com.au

Queensland Minerals

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494862 **STUART**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 29 KM NE OF CHATSWORTH HOMESTEAD, 155 KM SE OF MOUNT ISA.

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 445644 mE 7591753 mN Latitude -21.7770 Longitude 140.4742 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Stuart 186

No Hope

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
COBALT	SMALL	10 - 1 000 tonnes CO
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	31-Dec-1979			72 tonnes OXIDE ORE	
COPPER		METAL	4.6 tonnes		6.40 percent
Period: 1-Jan-1968 to	31-Dec-1970			322 tonnes OXIDE ORE	
COPPER		METAL	16.4 tonnes		5.10 percent

Published Reserves/Resources

BR 10576 Published in 2016 **STUART**

INDICATED MINERAL RESOURCE 2,100,000 tonnes Ore @

0.90 % COPPER **FOR** 18,900 Tonnes COPPER

0.20 g/t GOLD **FOR** 420 Kilograms GOLD

Cobalt values no longer reported in new resource

BR 10576 Published in 2016 **STUART**

INFERRED MINERAL RESOURCE 200,000 tonnes Ore @

0.70 % COPPER **FOR** 1,400 Tonnes COPPER

0.20 g/t GOLD **FOR** 40 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10576	2016	QUEENSLAND MINING CORPORATION LIMITED	ANNUAL REPORT 2016	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 21 OCTOBER 2016. QUEENSLAND MINING CORPORATION LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1979	to	1979	Mined as a one-man operation on a part time basis. Hand-picked ore averaged 13% Cu.
1994	to	1995	Mined as part of the Selwyn Project from two pits, Victoria and Victoria North.

Mining Operations	Comments
OPEN CUT MINING	Open cut workings abut the shaft.
SHAFTS	
PITS	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90083	100.00%	MAXIFORDE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Hampden Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	MESOPROTEROZOIC

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Comments

Part of Matrix Metals Ltd's White Range Project. In 2015 owned by Queensland Mining Corporation Limited
In December 2016 QMC entered an agreement with Chinova Resources for the sale of ML90083 - Stuart

Web Page

http://www.qmcl.com.au/

486371 **STUART OIL SHALE**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 11.2 KM NW OF GLADSTONE POWER STATION.

1:100 000 sheet Number and Name: 9150 GLADSTONE

Grid Reference: Zone 56 310506 mE 7367574 mN Latitude -23.7918 Longitude 151.1401 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Stuart

Commodities	Size	Size Definition
OIL SHALE	LARGE	> 1 000 000 000 barrels OSH

Production Details

Period:	1-Jul-2000	to	30-Jun-2001	
PETROLEUM				15,468.8 kilolitres
Period:	1-Jul-2001	to	30-Jun-2002	
PETROLEUM				49,121.8 kilolitres
Period:	1-Jul-2002	to	30-Jun-2003	
PETROLEUM				67,137.0 kilolitres
Period:	1-Jul-2003	to	30-Jun-2004	
PETROLEUM				548,392.0 kilolitres
Period:	1-Jul-2004	to	30-Jun-2005	
PETROLEUM				83,304.0 kilolitres
Period:	1-Jul-2005	to	30-Jun-2006	
OIL				58.0 kilolitres

Published Reserves/Resources

BR 7037 Published in 2002

INDICATED MINERAL RESOURCE 2,400,000,000 tonnes Ore @ 99.00 l/t OIL **FOR** 1,200,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50 L/t at zero % moisture.

BR 7037 Published in 2002

INFERRED MINERAL RESOURCE 3,000,000,000 tonnes Ore @ 87.00 l/t OIL **FOR** 1,300,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50 L/t at zero % moisture.

BR 7037 Published in 2002

MEASURED MINERAL RESOURCE 200,000,000 tonnes Ore @ 137.00 l/t OIL **FOR** 100,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50 L/t at zero % moisture.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7037	2002	SOUTHERN PACIFIC PETROLEUM NL	SOUTHERN PACIFIC PETROLEUM NL ANNUAL REPORT 2002	SOUTHERN PACIFIC PETROLEUM NL

Major Mining Related Events

Year Commenced		Year Completed	Comments
2001			First oil shipment occurred on the 9-5-2001 of over 40,000 barrels or 5,800 tonnes of medium shale oil (MSO) to the South-East Asian fuel oil market.
2001			First sale of 60,000 barrels of naphtha to a Brisbane-based oil refiner. Stuart naphtha is a high quality, ultra-low sulphur oil product that is a ready feedstock for gasoline, diesel and jet fuel production.
2003	to	2004	Stuart stage 1 demonstration plant undergoing maintenance and being upgraded to increase performance.
2004	to	2004	Texas company Sandefer Capital Partners through a subsiduanry, Qld Energy Resources, has purchased Southern Pacific Petroleum who hold most of the oil shale deposits in Queensland (April 2004).

Mining Operations	Comments
OPEN CUT MINING	

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Tenure Type/Number		SHARE	Company Name/Surname
MDL	177	100.00%	QUEENSLAND ENERGY RESOURCES LIMITED
MDL	225	100.00%	QUEENSLAND ENERGY RESOURCES LIMITED
ML	80003	50.00%	QUEENSLAND ENERGY RESOURCES (AUSSUN) PTY LIMITED
ML	80003	25.00%	QUEENSLAND ENERGY RESOURCES (NO.1) (STUART) PTY LIMITED
ML	80003	25.00%	QUEENSLAND ENERGY RESOURCES (NO.2) (STUART) PTY LIMITED
ML	80081	100.00%	QUEENSLAND ENERGY RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NARROWS BASIN	Rundle Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	TERTIARY

Comments

The oil shale is processed using the Alberta-Taciuk Processor (ATP) technology.
The Stuart Oil Shale Project made its first oil shipment on 9/05/2001, exporting over 40 000 barrels or 5800 tonnes of medium shale oil (MSO) to the South East Asian fuel oil market.
The Stuart Oil Shale project produced >6 million barrels of shale oil during Stage 1 (from 2001 to 2004). Queensland Energy Resources Ltd currently owns the project and has produced a small quantity of shale oil.

Web Page

www.qer.com.au

Queensland Minerals

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497052 **SUBERA SAPPHIRE PROJECT**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 5.5 KM EAST-NORTH-EAST FOF SAPPHIRE.

1:100 000 sheet Number and Name: 8451 RUBYVALE

Grid Reference: Zone 55 579159 mE 7406706 mN Latitude -23.4476 Longitude 147.7750 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Subera

Commodities	Size	Size Definition
SAPPHIRE	MEDIUM	1 - 10 tonnes SAPP

Production Details

Period:	1-Jan-1993	to	31-Dec-1995	
SAPPHIRE				3,278.0 kilograms
Period:	1-Jul-1998	to	30-Jun-1999	
SAPPHIRE				1,490.0 kilograms
Period:	1-Jul-1999	to	30-Jun-2000	
SAPPHIRE				1,997.0 kilograms
SAPPHIRE				2,151,840.0 australian dollars
Period:	1-Jul-2000	to	30-Jun-2001	194,000 cubic metres ALLUVIUM
SAPPHIRE				1,914.0 kilograms
Period:	1-Jul-2002	to	30-Jun-2003	29,900 cubic metres ALLUVIUM
SAPPHIRE				302.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1998	to	2000	Trial mining commenced in early 1998 and commercial operations in July 1998. Cluff Resources Pacific NL purchased Great Northern Mining's processing plant in August 1998.
2002	to	2002	Great Northern Mining announced plans to scale back its sapphire mining operations in NSW and Qld in May 2002, due to a downturn in the market. As a result, all sapphire operations were placed on care and maintenance by July 1st 2002.
2003	to	2003	Suberra mine sold as a going concern in June 2003 to Mosley Mining Pty Limited.

Mining Operations	Comments
OPEN CUT MINING	

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Tenure Type/Number		SHARE	Company Name/Surname
ML	1824	100.00%	GREAT NORTHERN MINING PTY LTD
ML	2185	100.00%	GREAT NORTHERN MINING PTY LTD
ML	2187	100.00%	GREAT NORTHERN MINING PTY LTD
ML	2188	100.00%	GREAT NORTHERN MINING PTY LTD
ML	2190	100.00%	GREAT NORTHERN MINING PTY LTD
ML	2191	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6830	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6854	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6855	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6856	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6857	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6858	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6859	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6860	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6865	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6866	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6867	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6868	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6869	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6870	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6875	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6876	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6877	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6878	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6880	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6890	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6891	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6892	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6932	100.00%	GREAT NORTHERN MINING PTY LTD
ML	6933	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7138	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7139	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7142	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7143	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7144	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7145	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7155	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7156	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7157	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7158	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7159	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7160	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7161	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7162	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7163	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7164	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7165	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7166	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7167	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7168	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7169	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7170	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7171	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7172	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7173	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7174	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7175	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7176	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7177	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7178	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7179	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7180	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7181	100.00%	GREAT NORTHERN MINING PTY LTD
ML	7182	100.00%	GREAT NORTHERN MINING PTY LTD

ML	70195	100.00%	GREAT NORTHERN MINING PTY LTD
ML	70199	100.00%	GREAT NORTHERN MINING PTY LTD
ML	70200	100.00%	GREAT NORTHERN MINING PTY LTD
ML	70304	100.00%	GREAT NORTHERN MINING PTY LTD
ML	70305	100.00%	GREAT NORTHERN MINING PTY LTD
ML	70357	100.00%	GREAT NORTHERN MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL/ELUVIAL GEMSTONES

Mineralisation Age

ORE	CENOZOIC

Comments

The sapphires of the Cainozoic deposits of the Anakie fields are thought to be derived from the Hoy Basalt of presumed Tertiary age, represented by a group of at least 60 plugs considered to be remnants of vent plug intruding the Retreat Granite.
Based on sapphire production, the gemstone recovered can be classified as approx 42% blue sapphire, 18% green and coloured zoned sapphires, 17% corundum and 23% mixed sapphire and corrundum less than 4.1mm size.

Web Page

Queensland Minerals

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493695 **SUE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 16 KM SOUTH-SOUTH-WEST OF WESTMORELAND, 350KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6563 WESTMORELAND

Grid Reference: Zone 54 203828 mE 8065382 mN Latitude -17.4781 Longitude 138.2113 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Long Pocket Area

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U

Production Details

Published Reserves/Resources

Company Report 7672 Published in 1980

INDICATED MINERAL RESOURCE 410,000 tonnes Ore @ 0.17 % URANIUM OXIDE **FOR** 697 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 0.05% U3O8

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14558	100.00%	TACKLE RESOURCES PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Westmoreland Conglomerate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	UNCONFORMITY-RELATED DEPOSIT
DETAILED OREBODY MODEL	UNCONFORMITY U-AU (VEIN-TYPE U)

Mineralisation Age

ORE	NEOPROTEROZOIC	Age determinations on 9 uraniferous samples from the Westmoreland area indicates only one major mineralising event at 812+-55Ma (Schindlmayr & Beerbaum, 1986).

Comments

2010: This prospect is now held by Canadian company Laramide Resources Ltd, which has acquired Tackle Resources Pty Ltd.
2010 Laramide Resources reported intend for new drilling in the Longpocket area containing this historic deposit (BR9907)

Web Page

www.laramide.com; www.uic.com.au

Queensland Minerals

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42644 **SUGARLIME**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 5.5KM NE OF MT GARNET, 95KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 302246 mE 8049659 mN Latitude -17.6310 Longitude 145.1361 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST

Production Details

Period:	1-Jul-1996	to	30-Jun-1997	
LIMESTONE			OTHER	35,796.0 tonnes
Period:	1-Jul-1997	to	30-Jun-1998	
LIMESTONE			OTHER	38,972.0 tonnes
Period:	1-Jul-1998	to	30-Jun-1999	
LIMESTONE			OTHER	21,958.0 tonnes
Period:	1-Jul-1999	to	30-Jun-2000	
LIMESTONE			OTHER	18,679.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	4249	33.00%	WILKINS	Maxwell John
ML	4249	33.00%	WILKINS	Robert James
ML	4249	33.00%	WILKINS	Russell Ross

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	DEVONIAN

Comments

The lease was applied for over the lower north-western part of a hillside of outcropping limestone adjacent to the Mount Veteran road.
There was no mining prior to 1996.

Web Page

Queensland Minerals

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496780 **SUGARLOAF CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 15KM ESE STANTHORPE, 155 KM SW OF BRISBANE.

1:100 000 sheet Number and Name: 9340 DRAKE

Grid Reference: Zone 56 408425 mE 6824348 mN Latitude -28.7048 Longitude 152.0625 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Published Reserves/Resources

SUGARLOAF CREEK

INFERRED MINERAL RESOURCE 86,000 cubic metres Ore @ 3.50 kg/m*3 CASSITERITE **FOR** 301 Tonnes CASSITERITE

Comments/Cut Off Factor: 0.5kg/bcm SnO2 cut off. Resource figures listed above are NOT JORC compliant.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC	Alluvium.

Comments

Alluvial tin deposit derived from granitoids. Current exploration work is focused on hard rock resources.

Web Page

www.auzex.com

Other Names for Deposit / Mine

Big Ruby
Sugarloaf Dredge
Devonia Dredge
Albert
Victor

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Period: 1-Jan-1913 to 31-Dec-1931 1,000,000 cubic metres KNOWN HISTORIC ALLUVI

CASSITERITE 1,157.3 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments
1913 to	1931	

Mining Operations	Comments
DREDGING	

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Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NEW ENGLAND BATHOLITH	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Web Page

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488847 **SULPHIDE CITY**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 500M TO THE NORTHEAST OF WINDOW/SCORPION ZONE.

1:100 000 sheet Number and Name: 8851 ROOKWOOD

Grid Reference: Zone 55 789114 mE 7450371 mN Latitude -23.0299 Longitude 149.8209 Date Recorded: 22/February/2016

Other Names for Deposit / Mine

Develin Creek

Sulphide Heights

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
ZINC	SMALL	200 - 200 000 tonnes ZN
SILVER	SMALL	5 - 500 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 10414 Published in 2015 **SULPHIDE CITY**

INFERRED MINERAL RESOURCE 1,796,700 tonnes Ore @

2.37 % ZINC	**FOR**	42,581 Tonnes ZINC
1.75 % COPPER	**FOR**	31,442 Tonnes COPPER
9.70 g/t SILVER	**FOR**	17,427 Kilograms SILVER
0.23 g/t GOLD	**FOR**	413 Kilograms GOLD

Comments/Cut Off Factor: 1% Cu equivalent (Cu+Zn/2.5)

Company Report 29108 Published in 1997 **SULPHIDE HEIGHTS**

INFERRED MINERAL RESOURCE 65,071 tonnes Ore @

4.42 % ZINC	**FOR**	2,876 Tonnes ZINC
2.14 % COPPER	**FOR**	1,392 Tonnes COPPER
9.70 g/t SILVER	**FOR**	631 Kilograms SILVER
0.10 g/t GOLD	**FOR**	6 Kilograms GOLD

Comments/Cut Off Factor: 1% Cu equivalent (Cu+Zn/2.5)

Inferred 36484t at 3.35% Cu, 7.17% Zn, 13.3g/t Ag and 0.15g/t Au at 2% Cu eqv cutoff.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10414	2015	ZENITH MINERALS LIMITED	ASX ANNOUNCEMENT; 5TH FEBRUARY 2015; SIGNIFICANT RESOURCE UPGRADE - DEVELIN CREEK COPPER-ZINC-GOLD-SILVER DEPOSITS	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 5 FEBRUARY 2015. ZENITH MINERALS LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17604	49.00%	FITZROY COPPER PTY LTD
EPM	17604	51.00%	KALICOAL PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GRANTLEIGH SUBPROVINCE	Rookwood Volcanics/v / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
DETAILED OREBODY MODEL	VMS - CYPRUS STYLE CU-ZN

Mineralisation Age

ORE	PERMIAN

Comments

This prospect is a complex zone of massive sulphide mineralisation & occurs stratigraphically above a zone of disseminated &stockwork sulphide mineralisation, lying approximately 100m beneath volcanic cover.

Mineralisation occurs on the westernside of a set of north-north-west trending feeder faults.

The Sulphide City massive sulphide lens is a gently dipping body more than 100m below the surface. It is overlain by the small Sulphide Heights lens.

Web Page
www.fitzroyresources.com.au

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498247 **SUMMER HILL**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 14KM NE OF MOUNT GARNET, 90KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 304334 mE 8055374 mN Latitude -17.5795 Longitude 145.1563 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Summer Hill Tin

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Published Reserves/Resources

BR 10173 Published in 2012

SUMMER HILL

INDICATED MINERAL RESOURCE 491,000 tonnes Ore @ 0.50 % TIN **FOR** 2,455 Tonnes TIN

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10173	2012	MGT RESOURCES LIMITED	MGT RESOURCES PROSPECTUS	REPORT TO THE AUSTRALIAN STOCK EXCHANGE. 15 OCTOBER 2012, MGT RESOURCES LIMITED

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	4349	100.00%	MGT MINING LIMITED
ML	20547	100.00%	MGT MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE	LATE CARBONIFEROUS

Comments

In 1999, the Summer Hill Battery was toll treating concentrate from the region. Using an air table and magnetic seperator, concentrate was upgraded to a standard suitable for sale to tin smelters in Malaysia.

MGT Resources are currently drilling out the Summer Hills deposit on ML 20547 while treating old tailings on the nearby Mount Veteran plant.

Web Page

http://www.mgt.net.au/

Queensland Minerals

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38775 **SUNBURST JOINT VENTURE**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 3.7KM ESE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 425997 mE 7779233 mN Latitude -20.0824 Longitude 146.2922 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Kelly'S Road
Austrho
Hern
Luke
Gray
The Chester
The Gladstone

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1987 to 31-Dec-1990

GOLD	BULLION	606.0 kilograms
SILVER		114.6 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1987	to	1990	Dumps were retreated during this time. Chariah Resources NL went into liquidation shortly after and the tenements were relinquished.

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15964	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Sunburst Granodiorite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL MESOTHERMAL VEINS/PIPE/STOCKWORK

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Web Page

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

38776 **SUNBURST LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 2.9 KM NNE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 425287 mE 7780257 mN Latitude -20.0731 Longitude 146.2854 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Sunburst
East Sunburst
No. 1 East Sunburst
No. 2 East Sunburst
Golden Gate
Sunburst And Queen Cross
Great Eastern
Sunburst And Golden Gate Extended
Sunburst No. 1 East
Golden Gate And Sunburst Block
Prince Of Wales

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1887 to 31-Dec-1896 10,576 tonnes HARD ROCK ORE (OR REEF)

GOLD FINE 628.4 kilograms

Published Reserves/Resources

BR 10151 Published in 2012 **C2 (SUNBURST)**

INDICATED MINERAL RESOURCE 213,476 tonnes Ore @ 11.16 g/t GOLD **FOR** 2,382 Kilograms GOLD

Comments/Cut Off Factor: 7 g/t Au

This resource includes a probable ore reserve of 234,824 t @ 9.64 g/t Au.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced Year Completed Comments

Operating Mine Life: 1887 to 1897 Main time period reef was worked, production is included until 1896 as production from the Queen Lode could not be split up.

Mining Operations	Comments
SHAFTS	
INCLINED SHAFTS / DRIVES	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1398	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAPE RIVER PROVINCE	Charters Towers Metamorphics / NEOPROTEROZOIC to CAMBRIAN
MACROSSAN IGNEOUS ASSOCIATION	Sunburst Granodiorite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

The Sunburst Lode is part of Citigold Corporation Limited's future City Mine (see #38717), which will access the Sunburst Lode via the Central Decline already developed from earlier mining of the Brilliant Lode.

Web Page

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44076 **SUNDOWN TIN MINE**

ABANDONED MINE

Descriptive Location: 33.6 KM SW OF STANTHORPE.

1:100 000 sheet Number and Name: 9240 STANTHORPE

Grid Reference: Zone 56 371025 mE 6806616 mN Latitude -28.8616 Longitude 151.6776 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Great Eastern

Clare'S Open Cut

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
ARSENIC	VERY SMALL	<50 tonnes AS
COPPER	VERY SMALL	<500 tonnes CU
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Period: 1-Jan-1897 to 31-Dec-1956

CASSITERITE 288.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1893	to	1923	
1953	to	1956	

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
SHAFTS	
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Texas beds / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE	MIDDLE TRIASSIC

Comments

Web Page

Queensland Minerals

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481991 **SUNSET**

ABANDONED MINE

Descriptive Location: 0.7 KM SW OF RAVENSWOOD.

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 488108 mE 7776860 mN Latitude -20.1053 Longitude 146.8862 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Sunset No 1
Sunset No 2
Sunset Extended
Western Reef
Western Leader

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1870	to	31-Dec-1894		8,598 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	459.5 kilograms
Period:	1-Jan-1900	to	31-Dec-1919		194,855 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	5,778.2 kilograms
GOLD				FINE	256.4 kilograms
Period:	1-Jan-1932	to	31-Dec-1941		5,687 tonnes HARD ROCK ORE (OR REEF)
GOLD				BULLION	8.1 kilograms
GOLD				FINE	14.5 kilograms
SILVER					7.4 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1870	to	1894	
1900	to	1918	Reopened by New Ravenswood Limited and company closed in 1918.
1918	to	1919	Worked by tributers
1932	to	1941	Dump were retreated and minor mining occured intermittently
1978	to	1978	Production from lease called "Sunset 77".
		1986	Mine closed down

Mining Operations	Comments
INCLINED SHAFTS / DRIVES	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1380	100.00%	CARPENTARIA GOLD PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Jessop Creek Tonalite / LATE SILURIAN to LATE SILURIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE	CARBONIFEROUS

Comments

Web Page

http://www.resolute-ltd.com.au

Queensland Minerals

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494865 **SURPRISE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 82 KM NE OF MOUNT ISA, 22.9 KM SE OF GERETA HOMESTEAD

1:100 000 sheet Number and Name: 6857 PROSPECTOR

Grid Reference: Zone 54 395499 mE 7769917 mN Latitude -20.1652 Longitude 140.0000 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Surprise North

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1920 to 31-Dec-1992

COPPER	OTHER	567.0 tonnes
GOLD	BULLION	8.2 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	Partly vertical, then inclines towards the north.
UNDERGROUND MINING METHODS	
STOPING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	PROTEROZOIC

Comments

An indicated resource of 150 000t of Cu-Au ore was identified for the deposit (BR 6774).
In October 2007, Gateway Mining NL and Minotaur Exploration Ltd entered into a joint venture over the Surprise project area. Minotaur withdrew in 2008.

Web Page

www.gatewaymining.com.au

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478939 **SURVEYOR**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 34 KM NORTH-WEST OF GREENVALE, 215KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7860 CONJUBOY

Grid Reference: Zone 55 257236 mE 7921926 mN Latitude -18.7801 Longitude 144.6970 Date Recorded: 7/March/2016

Other Names for Deposit / Mine

Surveyor-1
Surveyor East
New Surveyor East

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
LEAD	SMALL	1000 - 100 000 tonnes PB
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jul-2003	to	30-Jun-2004	233,200 tonnes HARD ROCK ORE (OR REEF)
LEAD			METAL	9,299.0 tonnes
ZINC			METAL	22,239.0 tonnes
SILVER				16,709.9 kilograms
COPPER			METAL	874.0 tonnes
GOLD			FINE	54.3 kilograms
Period:	1-Jul-2004	to	30-Jun-2005	294,292 tonnes SULPHIDE ORE
ZINC			METAL	41,050.0 tonnes
LEAD			METAL	12,992.0 tonnes
SILVER				25,361.1 kilograms
GOLD			FINE	184.6 kilograms
COPPER			METAL	1,846.0 tonnes
Period:	1-Jul-2006	to	30-Jun-2009	
COPPER			METAL	43,619.0 tonnes
GOLD			METAL	270.0 kilograms
SILVER				19,255.0 kilograms
LEAD			METAL	11,263.0 tonnes
ZINC			METAL	62,078.0 tonnes

Published Reserves/Resources

BR 10071 Published in 2012

NEW SURVEYOR EAST

INDICATED MINERAL RESOURCE 179,000 tonnes Ore @

92.80 g/t SILVER	**FOR**	16,611 Kilograms SILVER
6.40 % LEAD	**FOR**	11,456 Tonnes LEAD
1.24 g/t GOLD	**FOR**	221 Kilograms GOLD
0.10 % COPPER	**FOR**	179 Tonnes COPPER

Oxide

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10071	2012	KAGARA MINING	OPPORTUNITY TO ACQUIRE KAGARA LIMITED'S NORTH QUEENSLAND ASSETS	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 14 SEPTEMBER 2012 KAGARA MINING, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1975	to	1975	Discovered (Geopeko) as outcropping gossan formed by sulphide leakage along a fault. Orebody doesn't crop out.
2000	to	2001	Feasibility study completed by Kagara Zinc to mine and transport ore to Mount Garnet for processing.

Operating Mine Life: 2003 to 2006 Overburden stripping commenced in September 2003. Mining and processing of high-grade ore at Mount Garnet plant commenced October 2003. Mining ceased in 2005/06.

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Mining Operations

DECLINED SHAFTS/DRIVES

UNDERGROUND MINING METHODS

OPEN CUT MINING

Comments

Decline portal commenced Jan 2005 in bottom of opencut to access Dry River South orebody.

Tenure Type/Number		SHARE	Company Name/Surname
ML	1393	100.00%	SNOW PEAK MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
THALANGA PROVINCE	Balcooma Metavolcanic Group / LATE CAMBRIAN to EARLY ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
DETAILED OREBODY MODEL	VMS - KUROKO STYLE (NORANDA, FELSIC TO INTERMED VMS TYPE)

Mineralisation Age

ORE	LATE CAMBRIAN to EARLY ORDOVICIAN

Comments

The discovery of the Surveyor-1 gossan in 1975 was the initial discovery in the Balcooma massive sulphide province. The deposit consists of synformal sulphide lens in the keel of a south plunging fold hosted by tuffs of the Balcooma Metavolcanics.
A footwall stringer and disseminated zone occurs beneath the lens. Alteration is predominantly sericitic and confined to the tuffaceous footwall. The Surveyor East mineralisation occurs as a small shallow deposit 150m east of Surveyor-1.
Kagara Zinc completed mining of the Surveyor orebody in 2005/06.
For 2006 and 2009 Surveyor open cut produced 177520 t of copper concentrate, 3259 t of lead concentrate, and 140746 zinc concentrate for 43619 t of Cu Metal, 270kg Au, 19255 kg Ag, 11263 t of lead metal and 62078 t of zinc metal (BR6187).

Web Page

www.kagara.com.au

Queensland Minerals

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43486 **SWAGMAN**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 32.8KM SW OF GUNPOWDER

1:100 000 sheet Number and Name: 6758 MAMMOTH MINES

Grid Reference: Zone 54 305590 mE 7797935 mN Latitude -19.9051 Longitude 139.1429 Date Recorded: 9/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Period: 1-Jul-2011 to 30-Jun-2015

COPPER PLATE 6,634.0 tonnes

Published Reserves/Resources

BR 10433 Published in 2015 **SWAGMAN OXIDE ORE**

INDICATED MINERAL RESOURCE 30,000 tonnes Ore @ 0.62 % COPPER **FOR** 186 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **SWAGMAN OXIDE ORE**

INFERRED MINERAL RESOURCE 20,000 tonnes Ore @ 0.53 % COPPER **FOR** 106 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **SWAGMAN OXIDE ORE**

MEASURED MINERAL RESOURCE 140,000 tonnes Ore @ 0.67 % COPPER **FOR** 938 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff.

Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **SWAGMAN SULPHIDE ORE**

INFERRED MINERAL RESOURCE 30,000 tonnes Ore @ 0.45 % COPPER **FOR** 135 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **SWAGMAN TRANSITION ORE**

INDICATED MINERAL RESOURCE 70,000 tonnes Ore @ 0.60 % COPPER **FOR** 420 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

BR 10433 Published in 2015 **SWAGMAN TRANSITION ORE**

INFERRED MINERAL RESOURCE 40,000 tonnes Ore @ 0.45 % COPPER **FOR** 180 Tonnes COPPER

Comments/Cut Off Factor: 0.3% Cu cutoff

Incorporating mining depletion to end of December 2014.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10433	2015	CST MINING GROUP LIMITED	EXPLORE THE ROAD TO SUCCESS - ANNUAL REPORT 2015	ANNOUNCEMENT TO THE STOCK EXCHANGE OF HONG KONG LIMITED, 30 DECEMBER 2015. CST MINING GROUP LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90170	100.00%	CST MINERALS LADY ANNIE PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MOUNT OXIDE DOMAIN	Paradise Creek Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

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Deposit Model

GENERAL OREBODY MODEL	BRECCIA-HOSTED
DETAILED OREBODY MODEL	BRECCIATED SEDIMENT-HOSTED COPPER

Mineralisation Age

ORE	PALAEOPROTEROZOIC to MESOPROTEROZOIC

Comments

Zone of outcropping oxide copper mineralisation. The oxide resources include proved and probable reserves of 274,000t at 0.61% Cu.
CopperCo went into voluntary administration in November 2008. Cape Lambert Iron Ore Ltd purchased CopperCo's assets in June 2009.
An Initial Public Offering to form a new company to manage the Lady Annie project is planned.
In 2010 CST mining Ltd commenced exploration operations at this site. Resource figures were updated (BR9537).
CST Mining reported significant drilling intersept: MTKC0112 8m @ 0.68% Cu (BR9536)
Mining at Lady Annie ceased in January 2016 due to low prices. In June 2016 the name CST Mining was changed to NetMind Financial Holdings Limited.

Web Page

http://www.cstmining.com

Queensland Minerals

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493697 **SWAN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 52 KM NNE OF CHATSWORTH HOMESTEAD, 138 KM SE OF MOUNT ISA

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 447595 mE 7617800 mN Latitude -21.5418 Longitude 140.4939 Date Recorded: 20/January/2016

Other Names for Deposit / Mine

South West Anomaly

Commodities	Size	Size Definition
COPPER	LARGE	250 000 - 2 000 000 tonnes CU
GOLD	LARGE	50 - 150 tonnes AU
MAGNETITE	VERY SMALL	<50 000 tonnes MT
URANIUM	VERY SMALL	<100 tonnes U

Production Details

Published Reserves/Resources

BR 10430 Published in 2015 **SWAN CLAY**

INFERRED MINERAL RESOURCE 6,100,000 tonnes Ore @

0.64 % COPPER **FOR** 39,040 Tonnes COPPER

0.36 g/t GOLD **FOR** 2,196 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu equiv cut-off

BR 10430 Published in 2015 **SWAN OXIDE**

INFERRED MINERAL RESOURCE 4,200,000 tonnes Ore @

0.78 % COPPER **FOR** 32,760 Tonnes COPPER

0.39 g/t GOLD **FOR** 1,638 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu equiv cut-off

BR 10430 Published in 2015 **SWAN PRIMARY (SULPHIDE)**

INFERRED MINERAL RESOURCE 1,600,000 tonnes Ore @

0.47 % COPPER **FOR** 7,520 Tonnes COPPER

0.24 g/t GOLD **FOR** 384 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu equiv cut-off

BR 10430 Published in 2015 **SWAN PRIMARY**

INDICATED MINERAL RESOURCE 1,400,000 tonnes Ore @

0.48 % COPPER **FOR** 6,720 Tonnes COPPER

0.27 g/t GOLD **FOR** 378 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu equiv cut-off

BR 10430 Published in 2015 **SWAN TRANSITION**

INDICATED MINERAL RESOURCE 21,500,000 tonnes Ore @

0.59 % COPPER **FOR** 126,850 Tonnes COPPER

0.35 g/t GOLD **FOR** 7,525 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu equiv cut-off

BR 10430 Published in 2015 **SWAN TRANSITION**

INFERRED MINERAL RESOURCE 1,700,000 tonnes Ore @

0.45 % COPPER **FOR** 7,650 Tonnes COPPER

0.26 g/t GOLD **FOR** 442 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu equiv cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10430	2015	CHINOVA RESOURCES	CHINOVA RESOURCES - SWAN DEPOSIT - RESOURCE ESTIMATE AS AT 30TH APRIL 2015	WWW.CHINOVARESOURCES.COM; RELEASED MAY 2015

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	2735	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

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Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Hampden Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Gold and copper mineralisation occurs within magnetite rich ironstones and schists near the base of the Staveley Formation. There are indications that grade trends can be traced in zones dipping to the northeast in an arc around an amphibolite body.

Drill results in January 2009 included 342m at 1.21% Cu and 0.8g/t Au from 292m on the eastern flank, indicating the presence of a large, near-surface zone of high-grade mineralisation between the Swan high-grade zone and the original Mount Elliott mine.

Drill intersections from the western flank included 135m at 1.25% Cu and 0.76g/t Au from 551m.

Assaying of SWAN samples above 0.75% Cu has demonstrated a significant presence of uranium associated with Cu-Au mineralsiation, including intersections of 1m at 1400ppm U from 254m and 1m at 2200ppm U from 262m.

Ivanhoe Cloncurry Mines completed a preliminary 1600m core drilling program to test the SWAN magnetic anomaly. High-grade, breccia-hosted supergene and hypogene chalcocite and Au mineralisation was intersected in 6 holes to a depth of at least 350m.

Drilling intersections included 79m at 1.45% Cu and 0.99g/t Au from 83m, 115m at 0.96% Cu and 0.86g/t Au from 65m, and 154m at 0.81% Cu and 0.49g/t Au from 115m.

Drilling has confirmed the existence of a substantial supergene Cu-Au blanket of oxidised, clay-altered material overlying breccia-hosted iron oxide-Cu-Au mineralisation. The supergene blanket extends to depths of up to 100m below the surface.

Ivanhoe Cloncurry Mines is carrying out metallurgical testing of the supergene material to determine the heap-leach parameters of the near-surface oxidised zone

Drill intersections announced in October 2007 included 5.5m at 6.39% Cu and 7.58g/t Au from 582m and 81.2m at 1.71% Cu and 0.9g/t Au from 590.8m (including 45.2m at 2.69% Cu and 1.29g/t Au from 590.8m and 13.2m at 6.57% Cu and 2.7g/t Au from 590.8m).

Modelling of the drill data has indicated that the Swan zone is flat-lying at the surface, before dipping steeply north. A larger flat-lying section extends form 550m to at least 1200m below surface.

The tenor and thickness of high-grade mineralisation at Swan appears to be superior to that previously mined at Mount Elliott. Resource figures for SWAN have been included with those for Mount Elliott.

Web Page

http://www.chinovaresources.com

Queensland Minerals

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494045 **SYLVIA MAY**

ABANDONED MINE

Descriptive Location: 36.3KM ESE OF MOUNT ISA.

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 378104 mE 7698638 mN Latitude -20.8081 Longitude 139.8287 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Edna May Extended
Edna May West
Edna May
Edna May West Extended
Willsburgh
Copper Cross

Commodities	Size	Size Definition
COPPER	VERY SMALL	<500 tonnes CU
SILICA	SMALL	1 000 - 1 000 000 t SIO

Production Details

Period:	31-Dec-1938			507	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	106.5 tonnes	21.00 percent
COPPER			METAL	4.2 tonnes	17.08 percent
Period: 1-Jan-1938	to	31-Dec-1957		1,242	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	124.1 tonnes	10.00 percent
Period: 1-Jan-1954	to	31-Dec-1957			
SILICA				4,221.0 tonnes	
Period: 1-Jul-1966	to	30-Jun-1967		47	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	3.4 tonnes	7.20 percent
Period: 1-Jan-1971	to	31-Dec-1975		3,185	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	85.2 tonnes	2.67 percent

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Infilled
OPEN CUT MINING	Glory hole; collapsed.
ADITS	One adit still accessible.
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	16199	100.00%	EXCO RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Seven percussion holes were drilled by Associated Diamond Drillers in the late 1970s.

Web Page

Queensland Minerals

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493476 **TALLY HO**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 30 KM S OF MIRANI

1:100 000 sheet Number and Name: 8655 MIRANI

Grid Reference: Zone 55 688763 mE 7632768 mN Latitude -21.3974 Longitude 148.8209 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Tally Ho South
Fox
Tally One & Two
Gold Star

Commodities	Size	Size Definition
SILVER	SMALL	5 - 500 tonnes AG
ZINC	SMALL	200 - 200 000 tonnes ZN
COPPER	SMALL	500 - 50 000 tonnes CU
LEAD	VERY SMALL	<1000 tonnes PB
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1908 to 31-Dec-1940 100 tonnes HARD ROCK ORE (OR REEF)

LEAD METAL 23.0 tonnes

Published Reserves/Resources

BR 8735 Published in 2008

TALLY HO

INFERRED MINERAL RESOURCE 733,000 tonnes Ore @

49.00 g/t SILVER	**FOR**	35,917 Kilograms SILVER
0.83 % ZINC	**FOR**	6,083 Tonnes ZINC
0.10 % COPPER	**FOR**	733 Tonnes COPPER
0.09 % LEAD	**FOR**	659 Tonnes LEAD
0.06 g/t GOLD	**FOR**	43 Kilograms GOLD

Comments/Cut Off Factor: 40g/t silver equivalent cutoff.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8735	2008	MACMIN SILVER LTD	TALLY HO PROSPECT UPDATE.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 28 JULY 2008. MACMIN SILVER LTD, GOLD COAST.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1908	to	1915	Discovered in 1908 and worked on a small scale.
1940			Repoened.

Mining Operations	Comments
ADITS	
SHAFTS	
STOPING	
UNDERGROUND MINING METHODS	
DECLINED SHAFTS/DRIVES	

Tenure Type/Number	SHARE	Company Name/Surname
MDL 272	100.00%	ALCYONE RESOURCES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CONNORS SUBPROVINCE	Tally-Ho Igneous Complex / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY-RELATED AURIFEROUS SUBVOLCANIC BRECCIAS AND VEINS

Mineralisation Age

ORE

Comments

Drill intersections announced in January 2007 included 14m at 80g/t Ag and 2.94% Zn from 16m, 26m at 46g/t Ag, 4.34% Zn and 0.18% Cu from 46m (including 8m at 70g/t Ag, 0.16g/t Au, 9.56% Zn and 0.28% Cu).

Intersections announced in January 2007 also included 2m at 507g/t Ag, 1.07g/t Au, 23.3% Zn and 0.72% Cu from 76m and 6m at 126g/t Ag, 0.13g/t Au, 4.23% Zn, 1.48% Pb and 0.29% Cu from 52m.

In September 2006, Macmin Silver Ltd announced that it had completed the purchase of the Tally Ho leases (MLs 4770 and 4727) and MDL 272. RC drilling returned a best downhole intersection of 20m at 290g/t Ag, 1.74% Zn and 0.25% Cu.

Drilling results for the June 2007 quarter included 24m at 132g/t Ag, 0.1g/t Au, 2.79% Zn and 0.25% Cu from 12m (including 4m at 190g/t Ag, 0.05g/t Au, 8.11% Zn and 0.37% Cu from 20m) and 23m at 230g/t Ag, 2.64% Zn, 0.43% Cu and 0.43% Pb from 23m.

Intersections announced in September 2007 included 10m at 272g/t Ag, 0.49g/t Au, 3.9% Zn and 0.49% Cu from 49m, 8m at 273g/t Ag, 0.19g/t Au, 3.23% Zn and 0.31% Cu from 67m, and 1m at 384g/t Ag, 10.15g/t Au and 0.35% Zn from 126m.

Soil sampling in the December 2007 quarter identified a large area of anomalous geochemisty surrounding and along strike from the central prospect area. The drilled area at Tally Ho is <5% of the prospective area defined by soil sampling.

Follow-up geological mapping located breccia outcrops that are either coincident with or are on the margins of Zn and Ag soil anomalies.

Surface rock samples from 750m south-west of Tally Ho returned assay results similar to Tally Ho.

Web Page

http://www.coveresources.com.au/

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40221 **TAMAREE LIMESTONE**

ABANDONED MINE

Descriptive Location: 6.6 KM N OF GYMPIE P.O., 140KM NNW OF BRISBANE.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 466905 mE 7109775 mN Latitude -26.1308 Longitude 152.6689 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Ambrose'S Quarry
Tamaree Lime

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST
LIME	VERY SMALL	<10 000 tonnes LIME

Production Details

Period: 1-Jan-1916 to 31-Dec-1969			
LIMESTONE	CRUSHED ROCK	23,121.7 tonnes	
BURNT LIME		7,470.9 tonnes	
LIME		21,999.0 tonnes	
Period: 1-Jul-1996 to 30-Jun-1997			
LIMESTONE	CRUSHED ROCK	18,257.0 tonnes	
Period: 1-Jul-1997 to 30-Jun-1998			
LIMESTONE	CRUSHED ROCK	19,635.0 tonnes	
Period: 1-Jul-1998 to 30-Jun-1999			
LIMESTONE	CRUSHED ROCK	23,833.0 tonnes	
Period: 1-Jul-1999 to 30-Jun-2000			
LIMESTONE	CRUSHED ROCK	21,245.0 tonnes	
Period: 1-Jul-2000 to 30-Jun-2001			
LIMESTONE	CRUSHED ROCK	9,603.0 tonnes	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	South Curra Limestone / EARLY PERMIAN to MIDDLE PERMIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE EARLY PERMIAN to LATE PERMIAN

Comments

This site was worked by Tamaree Lime Pty Ltd (Unimin Australia Ltd) up until 2001, when the leases were relinquished. Lime kilns produced quick lime and hydrated lime from limestone from Tamaree and Curra.

Web Page

www.unimin.com.au

Queensland Minerals

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38237 **TAPPELBANG POD**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 31.6 KM NNE OF AURUKUN MISSION.

1:100 000 sheet Number and Name: 7271 AURUKUN

Grid Reference: Zone 54 586122 mE 8554166 mN Latitude -13.0774 Longitude 141.7944 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Aurukun Bauxite Project

Commodities	Size	Size Definition
BAUXITE	MEDIUM	100 000 000 - 200 000 000 t BX

Production Details

Published Reserves/Resources

Company Report 11482 Published in 1983

INDICATED MINERAL RESOURCE 159,000,000 tonnes Ore @
159,000,000 Tonnes BAUXITE

Comments/Cut Off Factor: Grading 51.6% total alumina and 8.1% reactive silica

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

Since CHALCO pulled out the Aurukun bauxite resource has returned to Qld Government control and a developer for the bauxite deposit is being sought through a competitive expression of interest process in 2013.
Aluminium Pechiney Holdings Pty Ltd was granted ML 7032 (SBML 9) in 1975 and carried out additional exploration, including a feasibility study. This lease was cancelled in 2004.
Tipperary land Corporation calculated an inferred resource of 42.3Mt t grading 50% total alumina and 10% reactive silica.
Part of RA315: In 2006 CHALCO won right to submit final proposal for development and were granted MDL378. CHALCO planned to invest $3 billion in a 6.5MT/a bauxite mine and 2.1Mt/a alumina refinery on Qld east coast, but pulled out subsequently.

Web Page

www.coordinatorgeneral.qld.gov.au;

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37821 **TARTANA**

CARE AND MAINTENANCE

Descriptive Location: 40KM NW OF CHILLAGOE

1:100 000 sheet Number and Name: 7764 BELLEVUE

Grid Reference: Zone 55 208564 mE 8125619 mN Latitude -16.9348 Longitude 144.2639 Date Recorded: 7/January/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
LEAD	VERY SMALL	<1000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jul-2004 to 30-Jun-2014

COPPER PRECIPITATE 5,988.0 tonnes

Published Reserves/Resources

BR 7739 Published in 2006

TARTANA

INFERRED MINERAL RESOURCE 1,700,000 tonnes Ore @ 1.10 % COPPER **FOR** 18,700 Tonnes COPPER

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7739	2006	S. MARTINSON	SOLOMONS PRODUCE HIGH-PURITY COPPER SULPHATE PENTAHYDRATE	QUEENSLAND GOVERNMENT MINING JOURNAL, JUNE 2006, 37-38.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1894	to	1894	Discovery.
2004			Mining commenced by Solomons Mines to produce copper sulphate. Plant commissioned in April 2004.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	4819	100.00%	MEYER	Martin Edward
ML	4820	100.00%	MEYER	Martin Edward
ML	5312	100.00%	MEYER	Martin Edward
ML	20489	100.00%	MEYER	Martin Edward

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL HYDROTHERMAL VEINS/PIPE/STOCKWORK

DETAILED OREBODY MODEL SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE PALAEOZOIC

Comments

In 2005, Solomons Mines Pty Ltd commenced mining operations to produce copper sulphate pentahydrate via a heap leach operation from the oxide part of the orebody. The plant has a capacity of up to 25t per day.
The product is used in the mining and agricultural industries and in animal feed supplements.

Web Page

42182 **TATE RIVER**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: TATE RIVER, SOUTH OF MUNGANA, 155KM WSW OF CAIRNS.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 216514 mE 8068169 mN Latitude -17.4546 Longitude 144.3310 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Period: 1-Jan-1883 to 31-Dec-1987

CASSITERITE 1,595.0 tonnes

Published Reserves/Resources

BR 6053 Published in 1999 **TATE EPMS 9623 & 9307**

INFERRED MINERAL RESOURCE 2,240,000 cubic metres Ore @ 220.00 g/m*3 CASSITERITE **FOR** 493 Tonnes CASSITERITE

BR 6053 Published in 1999 **TATE TAILINGS AND DUMPS**

INFERRED MINERAL RESOURCE 9,760,000 cubic metres Ore @ 587.00 g/m*3 CASSITERITE **FOR** 5,729 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SURFACE MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14185	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	QUATERNARY	Alluvium.

Comments

Alluvial and eluvial deposits have been worked along a 21km stretch of the Tate River plus several of its tributaries. Historic production is incomplete and is likely to be at least double the stated figure.

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577771 **TERRACE CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 63KM W OF MOUNT CARBINE

1:100 000 sheet Number and Name: 7864 MOUNT MULLIGAN

Grid Reference: Zone 55 236435 mE 8168713 mN Latitude -16.5490 Longitude 144.5304 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13937	100.00%	TERRITORY MINERALS LTD
ML	20617	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS

Comments

Drilling by Republic Gold Ltd in 2006 returned 12m at 2.88g/t Au. Seven holes drilled in 2007 returned a best intersection of 6m at 8.47g/t Au.

Costeaning in early 2009 returned 11m at 12.97g/t Au, 15m at 5.47g/t Au (including 5m at 13.66g/t Au) and 17m at 2.72g/t Au (including 4m at 7.82g/t Au).

Fourteen RC holes were drilled in the June 2009 quarter. Gold mineralsiation was intersected in quartz veining in a 25m wide mylonite zone. Intersections included 56m at 1.62g/t Au (including 8m at 6.85g/t Au).

The massive quartz vein trends 010 degrees, whereas the overall mineralised zone trtends 150 degrees. The high grade ore shoot identified to date is 20m high by 15m across.

Drilling in 2008 returned 24m at 8.3g/t Au from 2m (including 11m at 12.37g/t Au) and 24m at 4.78g/t Au (including 8m at 10.28g/t Au),

Drilling results announced in September 2009 included 22m at 3.2g/t Au (including 8m at 6.32g/t Au) and 24m at 2.32g/t Au (including 6m at 5.38g/t Au).

In October 2009, Republic gold announced that Terrace Creek has a 23,000oz gold resource, of which 84% is in the indicated category. However, the company did not supply any other details on this resource.

Drilling results announced in February 2010 included 4m at 6.62g/t Au.The main Terrace Creek ore shoot has been extended to 70m down plunge. An intersection of 10m at 2.57g/t Au extended the newly discovered southern shoot at Terrace Creek.

Web Page

www.republicgold.com.au

Queensland Minerals

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507796 **TERRYGLEN**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 26.5KM S OF HOME HILL.

1:100 000 sheet Number and Name: 8358 AYR

Grid Reference: Zone 55 540614 mE 7799421 mN Latitude -19.9010 Longitude 147.3880 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Plumtree Creek Earthy Lime

Commodities	Size	Size Definition
EARTHY LIME / DOLOMITE (AGRICULTURAL)	SMALL	10 000 - 100 000 tonnes ELIM

Production Details

Period: 1-Jul-1996 to 30-Jun-2003

EARTHY LIME / DOLOMITE (AGRICULTURAL)	20,119.5 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	1087	100.00%	CONNOLLY	Brian Malcolm

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Cud-BUR / CARBONIFEROUS to CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	ENRICHED LIME DEPOSIT

Mineralisation Age

ORE	CARBONIFEROUS to CENOZOIC	Limestone.

Comments

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45288 **THALANGA**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 11.9 KM ENE OF HOMESTEAD.

1:100 000 sheet Number and Name: 8057 HOMESTEAD

Grid Reference: Zone 55 371800 mE 7750330 mN Latitude -20.3407 Longitude 145.7719 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Thalanga East
Vomaka
Vomacka
Orient

Commodities	Size	Size Definition
ZINC	MEDIUM	200 000 - 2 000 000 tonnes ZN
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
LEAD	MEDIUM	100 000 - 2 500 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1991 to 31-Dec-1998		4,753,000 tonnes SULPHIDE ORE		
COPPER	CONCENTRATE	188,900.0 tonnes	31.30 percent	
LEAD	CONCENTRATE	158,100.0 tonnes	55.00 percent	
ZINC	CONCENTRATE	624,000.0 tonnes	57.00 percent	
Period: 1-Jul-1999 to 30-Jun-2000				
LEAD	METAL	878.0 tonnes		
ZINC	METAL	1,998.0 tonnes		
GOLD	BULLION	66.8 kilograms		
SILVER		1,195.8 kilograms		
COPPER	METAL	20,277.0 tonnes		
Period: 1-Jul-2010 to 30-Jun-2012				
COPPER	METAL	6,534.0 tonnes		
GOLD	METAL	86.0 kilograms		
SILVER		13,103.0 kilograms		
ZINC	METAL	21,726.0 tonnes		
LEAD	METAL	2,169.0 tonnes		

Published Reserves/Resources

BR 10519 Published in 2016

ORIENT

INDICATED MINERAL RESOURCE 496,000 tonnes Ore @

7.70 % ZINC	**FOR**	38,192 Tonnes ZINC
44.00 g/t SILVER	**FOR**	21,824 Kilograms SILVER
1.80 % LEAD	**FOR**	8,928 Tonnes LEAD
0.90 % COPPER	**FOR**	4,464 Tonnes COPPER
0.20 g/t GOLD	**FOR**	99 Kilograms GOLD

BR 10519 Published in 2016

ORIENT

INFERRED MINERAL RESOURCE 44,000 tonnes Ore @

10.90 % ZINC	**FOR**	4,796 Tonnes ZINC
46.00 g/t SILVER	**FOR**	2,024 Kilograms SILVER
1.80 % LEAD	**FOR**	792 Tonnes LEAD
0.80 % COPPER	**FOR**	352 Tonnes COPPER
0.20 g/t GOLD	**FOR**	8 Kilograms GOLD

BR 10071 Published in 2012

VOMACKA OXIDE ORE

INDICATED MINERAL RESOURCE 178,000 tonnes Ore @

2.60 % ZINC	**FOR**	4,623 Tonnes ZINC
25.00 g/t SILVER	**FOR**	4,445 Kilograms SILVER
1.10 % COPPER	**FOR**	1,956 Tonnes COPPER
0.70 % LEAD	**FOR**	1,244 Tonnes LEAD
0.30 g/t GOLD	**FOR**	53 Kilograms GOLD

Resource figures listed above are JORC compliant.

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Published Reference ID	Year	Author	Title	Source
BR 10071	2012	KAGARA MINING	OPPORTUNITY TO ACQUIRE KAGARA LIMITED'S NORTH QUEENSLAND ASSETS	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 14 SEPTEMBER 2012 KAGARA MINING, PERTH.
BR 10519	2016	RED RIVER RESOURCES LIMITED	ANNUAL FINANCIAL REPORT 30 JUNE 2016	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 12 SEPTEMBER 2016 RED RIVER RESOURCES

Major Mining Related Events

Year Commenced		Year Completed	Comments
1975	to	1975	The Thalanga deposit was discovered in 1975.
1989	to	1998	An open cut was commenced in May 1988, with underground production commencing in 1991. The mine closed in 1998 due to bad ground conditions.
2006			Plant acquired by Kagara Pty Ltd. Treating ore from satellite orebodies.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	
DECLINED SHAFTS/DRIVES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10582	100.00%	CROMARTY RESOURCES PTY LTD
ML	1392	100.00%	KAGARA COPPER PTY LTD
ML	1531	100.00%	KAGARA COPPER PTY LTD
ML	10185	100.00%	KAGARA COPPER PTY LTD
ML	10186	100.00%	KAGARA COPPER PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
THALANGA PROVINCE	Mount Windsor Volcanics / LATE CAMBRIAN to EARLY ORDOVICIAN
THALANGA PROVINCE	Trooper Creek Formation / EARLY ORDOVICIAN to EARLY ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
DETAILED OREBODY MODEL	VMS - KUROKO STYLE (NORANDA, FELSIC TO INTERMED VMS TYPE)

Mineralisation Age

ORE	ORDOVICIAN

Comments

The Thalanga polymetallic mine closed in July 1998 but the Thalanga plant continued to operate and processed copper ore from the nearby Highway Reward deposit.

Thalanga is at the base of the Trooper Creek Formation and has a footwall of intensely (sericite-silica-pyrite) altered rhyolitic rocks and a hanging wall of almost unaltered dacitic lavas. There are a number of andesite and microdiorite dykes.

In March 2006, Kagara Ltd purchased the Thalanga treatment plant. The company is using the Thalanga plant to treat ore from the nearby Balcooma deposit.

The Vomacka open pit began production in October 2010 with ore to be treated at the Thalanga Polymetallic Plant and is expected to produce 20 000t of zinc in the 2011/2012 production year.

Drilling of the No.1 and No.7 cells of the tailings dam in the June 2009 quarter confirmed the presence of significant Cu and Au within the tailings. Drilling intersected up to 4.5m at 1.06% Cu and 0.6g/t Au.

Kagara has decided to trial reprocess ~600,000t contained in No.1 cell, commencing in the September 2009 quarter. Metallurgical testing indicates Cu recovery of 65-70% and Au recovery of 5-20%.

Thalanga and Thalanga East were separated by faults and were effectively two separate deposits. These bodies were the largest known examples of pyritic zinc-lead-copper-silver mineralisation in the Seventy Mile Range Group.

The gossan outcrop was discovered by Clive Douglas-Brown of Penarroya (Australia) Pty Ltd (formerly Le Nickel (Australia) Pty Ltd) during recconnaissance exploration for precisely this type of deposit in 1975.

The Thalanga operations, including the mill site, and satelitte deposits like West 45, Far West, Orient, Liontown and Waterloo were acquired by Red River Resources Ltd in October 2014 from Kagara (in Liquidation).

Web Page

http://www.redriverresources.com.au/

Queensland Minerals

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580170 **THALANGA COPPER PLANT**

CARE AND MAINTENANCE

Descriptive Location: 12KM ENE OF HOMESTEAD

1:100 000 sheet Number and Name: 8057 HOMESTEAD

Grid Reference: Zone 55 371750 mE 7750800 mN Latitude -20.3365 Longitude 145.7714 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
LEAD	SMALL	1000 - 100 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG
ZINC	SMALL	200 - 200 000 tonnes ZN

Production Details

Period:	1-Dec-2006	to	30-Jun-2009	1,351,428 tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	43,403.0 tonnes
Period:	1-Jan-2011	to	30-Jun-2012	
LEAD			METAL	2,169.0 tonnes
COPPER			METAL	6,534.0 tonnes
GOLD			FINE	86.0 kilograms
SILVER				13,103.0 kilograms
ZINC			METAL	21,726.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
2006	to	2008	Plant acquired by Kagara Ltd. Treating ore from Balcooma.
2008	to	2009	Treating ore from Balcoma, reprocessing stockpiled tailings

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	1392	100.00%	KAGARA COPPER PTY LTD
ML	1531	100.00%	KAGARA COPPER PTY LTD
ML	10185	100.00%	KAGARA COPPER PTY LTD
ML	10186	100.00%	KAGARA COPPER PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*

Deposit Model

Mineralisation Age

Comments

Kagara Ltd reported in 2010 Annual report: Thalanga plant reprocessing of tailings unsuccessful (uneconomic) project placed on Care and Maintenence. Currently the plant is undergoing a A$7 million refurbishment in prep for mining Vomacka deposit (BR9591).
2010 Annual Report: Mining equipment was mobilised to site on 7 July 2010. Vomacka deposit prestripping commenced. It is expected that Thalanga treatment plant will process ore from West 45, Orient, Waterloo and Liontown polymet on completion of Vomacka.
2010 (cont1): Acquistion of liontwon deposit significantly increases resources in Thalanga plant area. Kagara upgraded Thalanga plant to processpolymetallic ore. Liontown increases total zinc resources to 3.984 million tonnes @ 8%Zn, 2.3%Pb 1.1%Cu
2010 (cont2): in excess of 300000t zinc (BR9591).
Kagara Ltd purchased the Thalanga Plant in March 2006. The company is using the plant to treat copper ore from Balcooma. Production figures have been recorded against the plant rather than the Balcooma deposit.

Web Page

www.kagara.com.au

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588518 **THALANGA FAR WEST**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 11.9 KM ENE OF HOMESTEAD. WEST OF MAIN THALANGA DEPOSIT AND ORE STOCKPILES

1:100 000 sheet Number and Name: 8057 HOMESTEAD

Grid Reference: Zone 55 371114 mE 7750431 mN Latitude -20.3397 Longitude 145.7653 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
SILVER	SMALL	5 - 500 tonnes AG
LEAD	SMALL	1000 - 100 000 tonnes PB
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 10525 Published in 2016 **THALANGA FAR WEST**

INDICATED MINERAL RESOURCE 691,000 tonnes Ore @

5.50 % ZINC	**FOR**	38,005 Tonnes ZINC
44.00 g/t SILVER	**FOR**	30,404 Kilograms SILVER
1.70 % LEAD	**FOR**	11,747 Tonnes LEAD
1.60 % COPPER	**FOR**	11,056 Tonnes COPPER
0.30 g/t GOLD	**FOR**	207 Kilograms GOLD

Comments/Cut Off Factor: >5% Zn equivalent cut-off

BR 10525 Published in 2016 **THALANGA FAR WEST**

INFERRED MINERAL RESOURCE 873,000 tonnes Ore @

6.60 % ZINC	**FOR**	57,618 Tonnes ZINC
63.00 g/t SILVER	**FOR**	54,999 Kilograms SILVER
2.30 % LEAD	**FOR**	20,079 Tonnes LEAD
1.90 % COPPER	**FOR**	16,587 Tonnes COPPER
0.20 g/t GOLD	**FOR**	174 Kilograms GOLD

Comments/Cut Off Factor: >5% Zn equivalent cut-off

BR 10525 Published in 2016 **THALANGA FAR WEST**

MEASURED MINERAL RESOURCE 81,000 tonnes Ore @

4.60 % ZINC	**FOR**	3,726 Tonnes ZINC
30.00 g/t SILVER	**FOR**	2,430 Kilograms SILVER
1.50 % COPPER	**FOR**	1,215 Tonnes COPPER
1.30 % LEAD	**FOR**	1,053 Tonnes LEAD
0.20 g/t GOLD	**FOR**	14 Kilograms GOLD

Comments/Cut Off Factor: >5% Zn equivalent cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10525	2016	RED RIVER RESOURCES LIMITED	ASX ANNOUNCEMENT; PLACEMENT SUCCESSFULLY COMPLETED - RESTART OF THE THALANGA ZINC PROJECT IS NOW FULLY FUNDED	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 02 DECEMBER 2016 RED RIVER RESOURCES

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10582	100.00%	CROMARTY RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
THALANGA PROVINCE	Mount Windsor Volcanics / LATE CAMBRIAN to EARLY ORDOVICIAN
THALANGA PROVINCE	Trooper Creek Formation / EARLY ORDOVICIAN to EARLY ORDOVICIAN

Deposit Model

Mineralisation Age

ORE	ORDOVICIAN

Comments

Web Page

http://www.redriverresources.com.au/

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501447 **THANKSGIVING**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 7.8KM NW OF MOUNT ISA

1:100 000 sheet Number and Name: 6756 MOUNT ISA

Grid Reference: Zone 54 336860 mE 7712415 mN Latitude -20.6805 Longitude 139.4337 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Dalveen

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U

Production Details

Published Reserves/Resources

BR 9423 Published in 2010 **THANKSGIVING**

INDICATED MINERAL RESOURCE 470,000 tonnes Ore @ 0.04 % URANIUM OXIDE **FOR** 188 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 300ppm U3O8

BR 9423 Published in 2010 **THANKSGIVING**

INFERRED MINERAL RESOURCE 660,000 tonnes Ore @ 0.05 % URANIUM OXIDE **FOR** 310 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 300ppm U3O8

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9423	2010	DEEP YELLOW LIMITED	FIRST MOUNT ISA JORC CODE RESOURCES.	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 14 JANUARY 2010. DEEP YELLOW LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	12886	100.00%	MOUNT ISA MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SYBELLA DOMAIN	Alpha Centauri Metamorphics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	STRATABOUND URANIUM-COPPER

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

An RC hole drilled by Deep Yellow Ltd in 2008 returned 42m at 400ppm U3O8 from 15m.

Thirty-five RC and 3 core holes were drilled in the first half of 2009. Significant intercepts included 55m at 587ppm eU3O8 from 27m, 3m at 2902ppm eU3O8 from 55m, 7m at 682ppm eU3O8 from 40m, 11m at 511ppm eU3O8 from 55m and 1m at 1400ppm eU3O8 from 81m.

The mineralised zone appears to dip west at ~55-60 degrees.

Web Page

www.deepyellow.com.au

Queensland Minerals

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37964 **THE JACQUES**

ABANDONED MINE, ABANDONED PROSPECT

Descriptive Location: 36KM WSW OF MUNDERRA, 140KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7862 BULLOCK CREEK

Grid Reference: Zone 55 248064 mE 8036077 mN Latitude -17.7482 Longitude 144.6241 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Sunset

Hales

Commodities	Size	Size Definition
FLUORITE	SMALL	50 - 50 000 tonnes FL

Production Details

Published Reserves/Resources

Company Report 4908 Published in 1974

INFERRED MINERAL RESOURCE

3,000 Tonnes FLUORITE

Comments/Cut Off Factor: Resource to 100m depth.

Reserves to 100m depth. Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Blackman Gap Complex / SILURIAN to SILURIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	FLUORITE-QUARTZ VEINS

Mineralisation Age

ORE	CARBONIFEROUS to PERMIAN

Comments

Subparallel fluorite veins up to 1m wide occur in "bony" quartz along a fault zone. Multiple olivine basalt dykes intrude granite and fluorite occurs in both the basalt and granite.

Web Page

Queensland Minerals

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491447 **THORNTONIA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 44 KM NORTH-WEST OF GUNPOWDER, 125KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6658 UNDILLA

Grid Reference: Zone 54 286121 mE 7836165 mN Latitude -19.5578 Longitude 138.9613 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
PHOSPHATE ROCK (PHOSPHORITE)	MEDIUM	200 000 - 200 000 000 tonnes PHR

Production Details

Published Reserves/Resources

Company Report 3159 Published in 1970 **THORNTONIA**

INDICATED MINERAL RESOURCE 47,400,000 tonnes Ore @ 18.10 % PHOSPHATE **FOR** 8,579,400 Tonnes PHOSPHATE

At an average grade of 18.1% P2O5.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17333	100.00%	PARADISE PHOSPHATE LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GEORGINA BASIN	Beetle Creek Formation / MIDDLE CAMBRIAN to MIDDLE CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	UPWELLING TYPE PHOSPHATE

Mineralisation Age

ORE	MIDDLE CAMBRIAN

Comments

This phosphate deposit covers an area of approximately 4.2km2.

Web Page

www.lgdi.net

Queensland Minerals

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493698 **TICK HILL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 110 KM SOUTH OF MT ISA; 43 KM E OF DAJARRA

1:100 000 sheet Number and Name: 6854 DAJARRA

Grid Reference: Zone 54 388820 mE 7605896 mN Latitude -21.6466 Longitude 139.9256 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Period: 1-Jan-1991 to 31-Dec-1995 706,000 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 15,900.0 kilograms 22.52 grams per tonne

Published Reserves/Resources

BR 10561 Published in 2016 **TICK HILL TAILINGS**

INFERRED MINERAL RESOURCE 630,000 tonnes Ore @ 1.08 g/t GOLD **FOR** 680 Kilograms GOLD

Comments/Cut Off Factor: 0.5 g/t Au cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10561	2016	SUPERIOR RESOURCES LIMITED	ANNUAL REPORT 2016	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 14 OCTOBER 2016. SUPERIOR RESOURCES LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1989	to	1989	Tick Hill discovered.
1990	to	1991	A mining lease application was made in March 1990 & was granted in June 1991. Mining & the construction of the plant & infrastructure began in early 1991. The plant was commissioned & the first gold poured on site in December 1991.
1992	to	1995	The underground operation was commenced in January 1992 with drilling of the ventilation shaft & the access decline was started in March 1992. Mining continued into 1994 & stockpiled ore was processed until April 1995.
1995			Mine put on care & maintenance in April 1995.

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	Accessed through a portal near top of opencut
SHAFTS	Decline

Tenure Type/Number		SHARE	Company Name/Surname
ML	7094	100.00%	DIATREME RESOURCES LIMITED
ML	7096	100.00%	DIATREME RESOURCES LIMITED
ML	7097	100.00%	DIATREME RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE PALAEOPROTEROZOIC

Comments

High grade gold mineralisation occurs in generally stratabound, quartz-feldspar laminate bands within a strongly strained zone.

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588112 **TIPPERARY**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: ~3KM W OF CRACOW, ~175KM SE OF GLADSTONE.

1:100 000 sheet Number and Name: 8947 CRACOW

Grid Reference: Zone 56 224016 mE 7200050 mN Latitude -25.2905 Longitude 150.2592 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Cracow Gold Mine Group

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source
BR 10019	2012	EVOLUTION MINING LIMITED	EVOLUTION MINING MINERAL RESOURCE STATEMENT - JUNE 2012	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 25 SEPTEMBER 2012. EVOLUTION MINING LIMITED, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	80144	100.00%	LION MINING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*

Deposit Model

Mineralisation Age

VOLCANICLASTICS	Andesitic volcanoclastics.

Comments

Web Page

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38513 **TITREE**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 4KM SE OF CHILLAGOE, 125KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7863 CHILLAGOE

Grid Reference: Zone 55 239614 mE 8099269 mN Latitude -17.1765 Longitude 144.5521 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Tea Tree

Ti Tree

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG
LIMESTONE	VERY SMALL	<100 000 tonnes LST

Production Details

Period: 1-Jan-1901 to 31-Dec-1942 32,000 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	400.0 tonnes
SILVER		564.0 kilograms
GOLD	BULLION	52.8 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1901	to	1942	Main period of mining by the Chillagoe Mining and Smelting Company. A short rail spur to Chillagoe was constructed in 1901.

Mining Operations	Comments
OPEN CUT MINING	
TRENCHES	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	20497	100.00%	AUSTRALIA HANDA INVESTMENTS PTY LTD
ML	20510	100.00%	AUSTRALIA HANDA INVESTMENTS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	Almaden Granodiorite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	COPPER SKARN

Mineralisation Age

ORE	CARBONIFEROUS

Comments

Workings on three limestone hills. Worked for cupriferous flux for the Chillgoe smelters.

Web Page

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588522 **TOONDOOM**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 25 KM S OF MUNDUBBERA, 155KM SW OF BUNDABERG PORT

1:100 000 sheet Number and Name: 9146 MUNDUBBERA

Grid Reference: Zone 56 315800 mE 7146545 mN Latitude -25.7876 Longitude 151.1629 Date Recorded: 3/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

BR 10507 Published in 2017 **TOONDOOM**

INFERRED MINERAL RESOURCE 3,500,000 tonnes Ore @
3,500,000 Tonnes BAUXITE

Comments/Cut Off Factor: minimum 20% available Al2O3, 2m thickness
average Al2O3 40.2% Reactive SiO2 7.2%

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10507	2017	AUSTRALIAN BAUXITE LIMITED	AUSTRALIAN BAUXITE LIMITED; QUARTERLY REPORT AND ACTIVITY STATEMENT FOR THREE MONTHS TO 31 DECEMBER 2016	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 27 JANUARY 2017. AUSTRALIAN BAUXITE LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	80126	25.00%	BROWN	Glenys
ML	80126	25.00%	BROWN	Phillip Richmond
ML	80126	25.00%	BROWN	Duncan William
ML	80126	25.00%	BROWN	Mark Richmond

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DURICRUST	Td-QLD / TERTIARY to TERTIARY

Deposit Model

Mineralisation Age

ORE

Comments

In 2013 Australian Bauxite reports that it has an option to purchase Mining Lease ML80126 at Toondoon. A total of 14 drillholes totalling 186 metres were drilled and revealed a consistent, continuous deposit and enabled estimation of an INF resource.
This granted, long¿term mining lease ML80126 may be a fast¿track route to the commencement of ABx¿s large Binjour Bauxite Project.
There is a shortage of gibbsite trihydrate (THA), low reactive silica bauxite like this material (BR10408).
It is common to commence mining bauxite zones that contain ¿DSO Bauxite¿ which can be exported directly and to stockpile bauxite that requires processing in later years. Approximately 50% of the bauxite meets DSO grades and requires no upgrade.

Web Page

www.australianbauxite.com.au

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507494 **TOOWOOMBA FOUNDRY COONARR SAND**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 19.8KM SE OF BUNDABERG

1:100 000 sheet Number and Name: 9348 BUNDABERG

Grid Reference: Zone 56 448356 mE 7236099 mN Latitude -24.9896 Longitude 152.4883 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
FOUNDRY SAND	SMALL	1 000 - 1 000 000 tonnes SF
SILICA SAND	SMALL	1 000 - 1 000 000 tonnes SIS

Production Details

Period: 1-Jan-1972 to 31-Dec-1981

FOUNDRY SAND 2,961.0 tonnes

Period: 1-Jul-1996 to 30-Jun-2006

FOUNDRY SAND 5,694.3 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SURFACE MINING METHODS	
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 1180	100.00%	EARTH COMMODITIES BUNDABERG PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MODERN COASTAL DEPOSITS	Qpcb-QLD / PLEISTOCENE to PLEISTOCENE

Deposit Model

GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE PLEISTOCENE

Comments

CMI Operations Pty Ltd is producing foundry sands from modern coastal deposits on ML 1180.

Web Page

www.cmilimited.com.au/engineered/

Queensland Minerals

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478749 **TORWOOD SAND RIDGE**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 73 KM WEST OF ALMADEN, 185KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7663 BLACKDOWN

Grid Reference: Zone 54 818520 mE 8071966 mN Latitude -17.4156 Longitude 143.9979 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Bolwarra Sand Ridge

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
ILMENITE	VERY SMALL	<5 000 tonnes IM
MONAZITE	VERY SMALL	<200 tonnes MZ
ZIRCON	VERY SMALL	<2 500 tonnes ZIR
RUTILE	VERY SMALL	<2 000 tonnes RUT
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 4232 Published in 1995 **TORWOOD SAND RIDGE**

INFERRED MINERAL RESOURCE 105,000,000 cubic metres Ore @ 45.00 g/m*3 CASSITERITE **FOR** 4,725 Tonnes CASSITERITE

Resource includes 30 million cubic metres @ 95g per cubic metre.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 4232	1995	DAVIS, G.	Evaluation of the Torwood tin prospect.	MSc Seminar, James Cook University of North Queensland, Townsville.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CRETACEOUS

Comments

This deposit is thought to be a Cretaceous age palaeochannel infill. It extends for 19km east-west and is boomerang-shaped. It is 11 to 56m deep, with a 5m thick, cassiterite-bearing wash layer at the base.

Web Page

www.echelonresources.com.au

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39063 **TOWERS HILL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 1.5KM SSW OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 421846 mE 7778528 mN Latitude -20.0886 Longitude 146.2525 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Towers Hill Cross Veins

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

292 tonnes KNOWN HISTORIC PRODUCTION

GOLD	BULLION	5.7 kilograms

Published Reserves/Resources

BR 10151 Published in 2012

TOWERS HILL CROSS VEINS (4X)

INFERRED MINERAL RESOURCE 2,332,800 tonnes Ore @

13.50 g/t GOLD **FOR** 31,492 Kilograms GOLD

9.00 g/t SILVER **FOR** 20,995 Kilograms SILVER

Refers to four separate cross veins in the Towers Hill area, with a 600m strike length each.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1888	to	1904	

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
MDL 116	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN
PAMA IGNEOUS ASSOCIATION	ODg/d-Ravenswood Batholith / ORDOVICIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

The Towers Hill resource refers to four separate cross veins in the Towers Hill area. However, specific figures have not been put against existing lodes in the area.

Web Page

www.citigold.com

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41619 **TPM**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 5.4KM SSW OF MOUNT COOLON

1:100 000 sheet Number and Name: 8355 MOUNT COOLON

Grid Reference: Zone 55 533599 mE 7630128 mN Latitude -21.4308 Longitude 147.3242 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Midway Dam
Number One
Number Two
Number Three
Number Four
Boxworks
Tpm No. 3
Tpm No. 1
Copper Coolon
Police Creek Ironstone

Commodities	Size	Size Definition
MAGNETITE	SMALL	50 000 - 500 000 tonnes MT
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

Company Report 24173 Published in 1992 **NO. 3 LODE**

INFERRED MINERAL RESOURCE 319,000 tonnes Ore @
1.17 % COPPER **FOR** 3,732 Tonnes COPPER
0.28 g/t GOLD **FOR** 89 Kilograms GOLD

Company Report 4094 Published in 1972 **NO. 3 LODE**

INFERRED MINERAL RESOURCE 60,960 tonnes Ore @
60,960 Tonnes MAGNETITE

Also contains <40 000t of Cu ore at 1%.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15902	100.00%	MT COOLON GOLD MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ANAKIE OROGEN	Anakie Metamorphic Group / NEOPROTEROZOIC to CAMBRIAN

Deposit Model

GENERAL OREBODY MODEL	SKARN
DETAILED OREBODY MODEL	COPPER SKARN
DETAILED OREBODY MODEL	IRON SKARN

Mineralisation Age

ORE CARBONIFEROUS to PERMIAN

Comments

TPM comprises a north-south striking zone of magnetite lodes containing anomalous copper and gold hosted within epidote-garnet skarns. The Manaman Granodiorite is thought to have caused contact metamorphism and associated mineralisation in this area. Drilling results announced by Drummond Gold Ltd in February 2008 included 29.4m at 0.9% Cu, 0.09g/t Au and 11.25ppm Ag from 2.2m and 28m at 1.15% Cu, 0.49g/t Au and 0.98ppm Ag from 21m (including 1m at 5.14% Cu, 0.59g/t Au and 3.9ppm Ag from 41m).

Web Page

www.drummondgold.com.au

Queensland Minerals

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41760 **TREGOORA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 63KM WEST OF MOUNT CARBINE, 125KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7864 MOUNT MULLIGAN

Grid Reference: Zone 55 238149 mE 8163668 mN Latitude -16.5947 Longitude 144.5458 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Sleeping Giant
Black Bishop
Adam'S Leases

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
ANTIMONY	VERY SMALL	<50 tonnes SB
LIMESTONE	VERY SMALL	<100 000 tonnes LST

Production Details

Period: 1-Jul-2003 to 30-Jun-2004

LIMESTONE CRUSHED ROCK 17,515.0 tonnes

Published Reserves/Resources

BR 9939 Published in 2011 **SLEEPING GIANT -TOTAL TREGOORA**
INDICATED MINERAL RESOURCE 2,301,000 tonnes Ore @
1.60 g/t GOLD **FOR** 3,681 Kilograms GOLD

includes Retina South and Terrace Creek resources

BR 9939 Published in 2011 **SLEEPING GIANT -TOTAL TREGOORA**
INFERRED MINERAL RESOURCE 2,160,000 tonnes Ore @
1.40 g/t GOLD **FOR** 705 Kilograms GOLD

includes Retina South and Terrace Creek resources

BR 9939 Published in 2011 **SLEEPING GIANT -TOTAL TREGOORA**
MEASURED MINERAL RESOURCE 11,000 tonnes Ore @
2.10 g/t GOLD **FOR** 23 Kilograms GOLD

includes Retina South and Terrace Creek resources

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9939	2011	REPUBLIC GOLD LIMITED	ANNUAL REPORT 2011	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 31 SEPTEMBER 2011. REPUBLIC GOLD LIMITED, MAREEBA.

Major Mining Related Events

Year Commenced		Year Completed	Comments
2003	to	2004	Mining of oxide ore from several open cut pits.

Mining Operations	Comments
SHAFTS	
PITS	
OPEN CUT MINING	Three small open cuts aligned along veins extracted the oxidised ore in the 1990's. Opencuts about 15m deep.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13937	100.00%	TERRITORY MINERALS LTD
ML	4821	100.00%	TERRITORY MINERALS LTD
ML	4942	100.00%	TERRITORY MINERALS LTD
ML	20518	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS	Cross cutting veins of quartz-stibnite. Ore mainly formed at junction of splays from main shear structure.

Comments

Petrological studies on drill chips and core from the Sleeping Giant primary ore zone, indicate a mineral assembly involving strained vein quartz, sericite, carbonate, pyrite, arsenopyrite and stibnite.

Electron microscopy detected traces of monazite, sphalerite and a yttrium mineral. Gold occurs as fine, simple grains interstitial to quartz and quartz/sericite. No grains were in contact with sulphides or their oxidation products.

Drilling completed between May and October 2008 over the Sleeping Giant gave results of 18m @ 1.44g/t Au including 4m @ 2.70g/t from 46m and 4m @ 1.46g/t from 58m.

Core drilling for metallurgical samples in the June 2009 quarter returned 8m at 4.63g/t Au, 13m at 2.47g/t Au and 20m at 5.8g/t Au (including 10m at 8.05g/t Au). Republic Gold purchased MLs 4821 and 4942 in August 2009.

Driling in the December 2008 quarter returned 6m at 1.42g/t Au from 6m, 10m at 1.89g/t Au from 52m and 12m at 1.23g/t Au from 70m.

Drilling results announced in February 2010 included 12m at 3.36g/t Au, 8m at 2.79g/t Au and 4m at 7.19g/t Au. A 130m long high-grade ore shoot is indicated by the drilling. Intersections also included 4m at 2.37% Sb from 14m and 2m at 2.99% Sb from 22m.

The Tregoora prospect encompasses several smaller Au-Sb anomalous zones. The area straddles the Retina Fault, a major regional structure that hosts mineralisation along most of its strike length.

Web Page

www.republicgold.com.au;

Queensland Minerals

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493699 **TREKELANO**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 14.3 KM SOUTH OF DUCHESS, 94KM SSE OF MT ISA.

1:100 000 sheet Number and Name: 6855 DUCHESS

Grid Reference: Zone 54 386046 mE 7623931 mN Latitude -21.4835 Longitude 139.9000 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Trekelano 2

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1913 to 31-Dec-1943		187,768 tonnes HARD ROCK ORE (OR REEF)		
GOLD	FINE	368.9 kilograms	1.96 grams per tonne	
SILVER		461.9 kilograms	2.46 grams per tonne	
COPPER	METAL	20,463.0 tonnes	10.90 percent	
Period: 1-Jan-1971 to 31-Dec-1971		141 tonnes DUMP		
COPPER	METAL	5.0 tonnes		

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1907	to	1907	Discovery as a few loose boulders in black soil
1913	to	1922	Mining by Hampton-Cloncurry Ltd and ore railed to and smelted at Kuridala
1928	to	1943	Mining by Trekelano Syndicate; ore shipped to Chillago.

Mining Operations	Comments
SHAFTS	All collapsed.
UNDERGROUND MINING METHODS	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	90125	100.00%	CHINOVA RESOURCES OSBORNE PTY LTD
ML	90128	100.00%	CHINOVA RESOURCES OSBORNE PTY LTD
ML	90183	100.00%	CHINOVA RESOURCES OSBORNE PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Mineralisation is in shear zone in schists near a granitic contact.

Web Page

www.barrick.com

Queensland Minerals

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42667 **TRIPLE CROWN**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 4KM WNW OF MT GARNET,100KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 295814 mE 8046369 mN Latitude -17.6601 Longitude 145.0752 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Golden Crown

Golden Horseshoe No2

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 7654 Published in 2005

TRIPLE CROWN

INFERRED MINERAL RESOURCE 467,000 tonnes Ore @ 1.50 g/t GOLD **FOR** 700 Kilograms GOLD

Comments/Cut Off Factor: Cutoff grade 0.5g/t Au.
Resource includes oxide, transition and sulphide material.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7654	2005	QUEENSLAND ORES LIMITED	PROSPECTUS ISSUED 11 MARCH 2005.	QUEENSLAND ORES LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	4363	100.00%	SNOWMIST PTY LTD
ML	4390	100.00%	SNOWMIST PTY LTD
ML	20018	100.00%	SNOWMIST PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY-RELATED AURIFEROUS SUBVOLCANIC BRECCIAS AND VEINS

Mineralisation Age

ORE	LATE CARBONIFEROUS

Comments

Gold mineralisation occurs mainly within an arcuate zone spatially associated with brecciation and an altered apical granitoid.
A preliminary metallurigical study of oxide resource category drill chips resulted in overall gold extractions by cyanide leaching up to 93%, indicating the possible suitability of the resource for heap leaching.
Seven auriferous breccia bodies have been mapped in a sedimentary roof pendant; most are about 100m in diameter. Rock chip samples of quartz veins have assayed up to 1.45ppm Au.

Web Page

www.qol.com.au

Queensland Minerals

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479322 **TRUE BLUE**

ABANDONED MINE

Descriptive Location: 2.9 KM NNW OF CROYDON.

1:100 000 sheet Number and Name: 7361 CROYDON

Grid Reference: Zone 54 629821 mE 7989114 mN Latitude -18.1831 Longitude 142.2275 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Perseveranza

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1887 to 31-Dec-1942 43,718 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 2,952.0 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 8795	100.00%	CRATER GOLD MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CROYDON PROVINCE	Esmeralda Granite / MESOPROTEROZOIC to MESOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	GOLD ONLY

Mineralisation Age

ORE MESOPROTEROZOIC to PALAEOZOIC

Comments

The True Blue reef may have been the first reef discovered on the Croydon field (Rands, 1896). Jack (1887) referred to part of it as the "Perseveranza". The principal mines were the True Blue Block, James Block, True Blue P.C. and True Blue No. 1 South.
It was the largest gold producer on the field up until the end of 1895. The lode occurs in graphitic granite at the base of a sandstone-capped hill (True Blue or Fossil Hill). The southern shafts were excavated through sandstone to intersect the reef at depth. The bullion produced was 700 to 870 fine in the surface claims, decreasing to 420 to 520 fine at 60 to 76 m depth. Dump samples collected by Picklands Mather and Company International assayed up to 0.89 g/t Au.
Argosy Gold Mines N.L. drilled three holes to test the reef between stoped areas. Quartz reef intersections assayed 1.2 to 1.5 g/t Au. Further drilling produced two intercepts of 2 m at >2 g/t Au from 10 holes. Reassaying of one intersection sample gave 2 m at 7.43 g/t Au and 93 g/t Ag. Rock chip samples of surface exposures assayed 0.18 to 2.18 g/t Au and dump samples assayed up to 6.7 g/t Au, 170 g/t Ag, 1400 ppm Pb, 2300 ppm As and 220 ppm Cu. The production figures given include production from the True Blue P.C., P.C. Block, Extended, Extended Block, Nos 1N and 2N, No. 1N Block, Nos 1S to 6S, True Blue Queen, True Blue Gold Mining Company Ltd, and James & party P.A. The figures include 149.60 kg Au bullion from cyaniding of 4916.4 t of tailings.

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43796 **TUNNEL HILL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 20 KM NORTH-NORTH-EAST OF DIMBULAH, 60KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7964 RUMULA

Grid Reference: Zone 55 305814 mE 8121870 mN Latitude -16.9789 Longitude 145.1761 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Tunnel
Craig'S Tunnel
Wingfields Tunnel
The O'Neil

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
ANTIMONY	SMALL	50 - 5 000 tonnes SB

Production Details

Published Reserves/Resources

BR 8041 Published in 2005

TUNNEL HILL

INDICATED MINERAL RESOURCE 131,000 tonnes Ore @

0.20 % ANTIMONY **FOR** 262 Tonnes ANTIMONY

1.60 g/t GOLD **FOR** 209 Kilograms GOLD

BR 8041 Published in 2005

TUNNEL HILL

INFERRED MINERAL RESOURCE 100,000 tonnes Ore @

0.23 % ANTIMONY **FOR** 230 Tonnes ANTIMONY

1.50 g/t GOLD **FOR** 150 Kilograms GOLD

BR 8041 Published in 2005

TUNNEL HILL

MEASURED MINERAL RESOURCE 219,000 tonnes Ore @

0.34 % ANTIMONY **FOR** 744 Tonnes ANTIMONY

2.00 g/t GOLD **FOR** 438 Kilograms GOLD

In 2011 Republic did not itemise resource figures -> not updated

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8041	2005	REPUBLIC GOLD LIMITED	ASX ANNOUNCEMENT - 31 OCTOBER 2005 - NORTHCOTE PROJECT: SIGNIFICANT GOLD RESOURCE UPGRADE FROM 212,000 OUNCES TO 260,000 OUNCES.	REPUBLIC GOLD LIMITED, MELBOURNE

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
SHAFTS	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	9869	100.00%	TERRITORY MINERALS LTD
ML	20525	100.00%	TERRITORY MINERALS LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SIMPLE SB (QUARTZ-STIBNITE TYPE)

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Mineralisation Age

ORE	EARLY DEVONIAN to EARLY CARBONIFEROUS

Comments

Mineralisation is associated with the steeply dipping shears related to a large south-east-trending fault zone. The main lodes comprise multiple fault breccias and laminated quartz-carbonate veins where faults have intersected finer grained units.
Part of Republic Gold Ltd's Northcote gold project.
Stage 1 and 2 drill programmes were completed during mid 2008 over the Northcote Project, with a resource upgrade planned for the future. The best intersections over Tunnel Hill were 16m @ 0.97g/t Au (Stage 1) and 10m @ 3.26g/t Au from 28m (Stage 2).
In 2010&2011 Republic Gold reported upgraded combined resources for "total Northcote" which included this deposit: Measured resource 1500000t at 2.2g/t Au, indicated resource 2296000t at 1.6g/t Au and inferred resource 1210666t at 1.6g/t Au (BR9939).

Web Page

www.republicgold.com.au

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513005 **TURKEY CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 27.5KM NNW OF QUAMBY.

1:100 000 sheet Number and Name: 6957 QUAMBY

Grid Reference: Zone 54 412370 mE 7771526 mN Latitude -20.1515 Longitude 140.1615 Date Recorded: 8/February/2016

Other Names for Deposit / Mine

Turkey Creek Prospect

Commodities	Size	Size Definition
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Published Reserves/Resources

BR 10439 Published in 2015 **TURKEY CREEK**

INDICATED MINERAL RESOURCE 17,700,000 tonnes Ore @ 0.59 % COPPER **FOR** 104,430 Tonnes COPPER

BR 10439 Published in 2015 **TURKEY CREEK**

INFERRED MINERAL RESOURCE 3,400,000 tonnes Ore @ 0.58 % COPPER **FOR** 19,720 Tonnes COPPER

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10439	2015	ALTONA MINING LIMITED	ANNUAL REPORT 2015	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, JULY 2015. ALTONA MINING LIMITED, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	Minor gouging.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8506	100.00%	ROSEBY COPPER PTY LTD
ML	90165	50.00%	ROSEBY COPPER PTY LTD
ML	90165	50.00%	ALTONA MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Mount Roseby Schist / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Altona Mining owns the Turkey Creek deposit which is located immediately east of Little Eva and discovered in early 2015. The Turkey Creek deposit will be included in the mining inventory for the Little Eva development.

It is expected that the incorporation of Turkey Creek will increase mine life by at least 1-2 years from the current 11 year schedule for the Cloncurry Copper project (Roseby).

The Turkey Creek Mineral Resource estimate in 2015 is based on RC drilling and geological mapping. The majority of the Mineral Resource is sulphide ore from 25 metres to 160 metres below surface. An oxide cap ranging from surface.

to depths of 25 to 45 metres is included in the resource estimate (BR10439).

The Turkey Creek deposit, while copper dominated, is interpreted as part of the broader Iron-OxideCopper Gold (IOCG) style mineral system typical of the Cloncurry district. The deposit extends over 1.8 kilometres in length.

Mineralisation occurs at surface, is exposed in subcrop, and is confirmed through drilling in the main zone to 140 metres vertical depth below surface.

Web Page

http://www.altonamining.com

487550 **TURPENTINE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 4 KM NORTH WEST OF EIGHT MILE CREEK NORTH NEAR BOURKE DEVELOPMENT ROAD.

1:100 000 sheet Number and Name: 6958 COOLULLAH

Grid Reference: Zone 54 421609 mE 7820929 mN Latitude -19.7055 Longitude 140.2520 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Turpentine Cu-Au

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Published Reserves/Resources

BR 10184 Published in 2012 **TURPENTINE**

INDICATED MINERAL RESOURCE 1,627,000 tonnes Ore @

1.04 % COPPER **FOR** 16,920 Tonnes COPPER

0.21 g/t GOLD **FOR** 341 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cutoff

Oxide resources are included in the resource.

BR 10184 Published in 2012 **TURPENTINE**

INFERRED MINERAL RESOURCE 215,000 tonnes Ore @

0.90 % COPPER **FOR** 1,935 Tonnes COPPER

0.16 g/t GOLD **FOR** 34 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10184	2012	EXCO RESOURCES LTD	MARKET RELEASE: QUEENSLAND EXPLORATION UPDATE; 2012 FIELD PROGRAMME HAS COMMENCED	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 20 APRIL 2012. EXCO RESOURCES LTD, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15739	100.00%	EXCO RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

The mineralisation is interpreted to have an easterly dip, a true thickness of 20 metres and is hosted by quartz-magnetite-biotite altered meta-sediments. Depth of overburden is approximately two metres.

Drilling by Exco Resources NL returned 22m at 1.47% Cu and 0.17g/t Au from 16m depth, including 10m at 2.54% Cu. Other holes intersected 34m at 0.97% Cu and 0.14g/t Au from 72m depth and 26m at 1.03% Cu and 0.20g/t Au from 38m depth.

In Nov 2010 Exco Resources reported significant drilling intersections (deposit extension work): EHDD003 11m @ 2.01% Cu & 0.51g/t Au and EHDD001 35m @ 0.44% Cu & 0.09g/t Au (BR9545).

In Sept 2010 Exco reported the deposit having some shallow high-grade chalcopyrite zones which were intersected in EHRC184: 11m @ 7.1% Cu & 2.66g/t Au (BR9543). In 2012 Exco Resources was taken over by Washington H Soul Pattinson & Co Ltd.

Web Page

www.excoresources.com.au

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45450 **TURTLE HEAD ISLAND**

MINERAL OCCURRENCE, ABANDONED PROSPECT

Descriptive Location: 32.1 KM SE OF CAPE YORK, 670KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7476 CAPE YORK

Grid Reference: Zone 54 684845 mE 8791284 mN Latitude -10.9296 Longitude 142.6914 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX
SILICA SAND	SMALL	1 000 - 1 000 000 tonnes SIS

Production Details

Published Reserves/Resources

BR 3139 Published in 1969

INFERRED MINERAL RESOURCE 60,000,000 tonnes Ore @
60,000,000 Tonnes BAUXITE

Grades not known

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 3139	1969	WILLMOTT, W.F., PALFREYMAN, W.D., TRAIL, D.S., & WHITAKER, W.G.	THE IGNEOUS ROCKS OF TORRES STRAIT, QUEENSLAND AND PAPUA.	BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS, AUSTRALIA, RECORD 1969/119.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Helby beds / LATE JURASSIC to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE
GENERAL OREBODY MODEL	DUNE DEPOSIT
DETAILED OREBODY MODEL	DUNE DEPOSIT SILICA SAND

Mineralisation Age

ORE	CENOZOIC

Comments

The deposits are 0.3 to 5.0 m thick, but deeper areas are generally very low grade. The deposits are now within Restricted Area 86: Departmental Area - Escape River

Bauxite is exposed in cliffs on the north-east coastline of Turtle Head Island. It occurs as small residuals of aluminous laterite beneath a cover of dune sand.

The bauxite is a hard, red pisolitic material and is generally abundant in visible iron and silica. Pure gibbsite cores are rare within pisolites and the pisolites form a hard, fused mass which is very resistant to erosion.

Enterprise Exploration Company Pty Ltd inferred a resource of 30 Mt of bauxite with <2 m of overburden and 30 Mt beneath sand dunes up to 91 m deep. The grade, hard nature of the bauxite, deep overburden and access difficulties indicate that the deposits are not economic. White, low-iron bauxite occurs below the permanent water table. The silica content of this bauxite makes it unsuitable for alumina production, but it may be suitable for use as refractory grade bauxite. High quality silica sand, suitab le for glass manufacture, overlies the laterite. Chemical analyses of samples gave 99.70 to 99.78 % SiO_2, 0.011 to 0.014 % Fe_2O_3, 0.04 to 0.06 % Al_2O_3, 0.026 to 0.064 % TiO_2, <0.01 % CaO, <0.01 % MgO, <0.001 % Cr_2O_3 and 0.10 to 0.15 % loss on ignition.

Web Page

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495647 **TWIN HILLS**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 9.3 KM EAST OF TEXAS, 225 SW OF BRISBANE.

1:100 000 sheet Number and Name: 9140 TEXAS

Grid Reference: Zone 56 330605 mE 6807676 mN Latitude -28.8474 Longitude 151.2635 Date Recorded: 16/February/2017

Other Names for Deposit / Mine

Texas Silver Project

Commodities	Size	Size Definition
SILVER	MEDIUM	500 - 5 000 tonnes AG
GOLD	SMALL	0.5 - 5 tonnes AU
LEAD	VERY SMALL	<1000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Period: 1-Jul-2006 to 30-Jun-2012

SILVER		32,219.4 kilograms
GOLD	FINE	18.5 kilograms

Published Reserves/Resources

BR 10578 Published in 2016 **TWIN HILLS**

INDICATED MINERAL RESOURCE 5,586,000 tonnes Ore @

44.10 g/t SILVER **FOR** 246,342 Kilograms SILVER

0.08 g/t GOLD **FOR** 446 Kilograms GOLD

Comments/Cut Off Factor: 26.5g/t Ag cutoff

BR 10578 Published in 2016 **TWIN HILLS**

INFERRED MINERAL RESOURCE 1,147,000 tonnes Ore @

48.80 g/t SILVER **FOR** 55,973 Kilograms SILVER

0.06 g/t GOLD **FOR** 68 Kilograms GOLD

Comments/Cut Off Factor: 26.5g/t Ag cutoff

BR 10578 Published in 2016 **TWIN HILLS**

MEASURED MINERAL RESOURCE 1,640,000 tonnes Ore @

75.80 g/t SILVER **FOR** 124,312 Kilograms SILVER

0.10 g/t GOLD **FOR** 164 Kilograms GOLD

Comments/Cut Off Factor: 26.5g/t Ag

Total proved reserves: 1.420Mt at 78.2g/t Ag, probable reserves: 3.240Mt @ 46g/t Ag (BR 10272).

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10578	2016	MORETON RESOURCES / MRV METALS	ASX ANNOUNCEMENT; MRV METALS PTY LTD CONFIRMS SIGNIFICANT RESOURCES IN TWIN HILLS MINE	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 19 SEPTEMBER 2016. MORETON RESOURCES

Major Mining Related Events

Year Commenced		Year Completed	Comments
2001	to	2002	Mining Lease granted 2001. Mining is to be via open pit with agglomerated heap leach and dump leach silver and gold extraction. Planned mine life when commenced is 9 years.
2002	to	2002	Awaiting project finance to commence mining. Start date for mining is closely linked to silver price increase.
2003	to	2003	Currently waiting for silver prices to increase before commencing production. A metallurgical and analytical laboratory has been built at the proposed mine site. Continued metallurgical and pilot-plan tests are being carried out.
2004	to	2005	Macmin commenced construction of mine and plant at Texas in late 2004 but held off commissioning of mine due to silver price.
2007	to	2008	First silver powder produced in early 2007. Mine placed in voluntary administration in 2008.
2009	to	2010	Alcyone Resources Ltd take over operations and place over 85% of resource into measured and Indicated categories. 60-day trial of metallurgical test work completed. Production planned for end of 2010.

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Mining Operations **Comments**

OPEN CUT MINING

Tenure Type/Number		SHARE	Company Name/Surname
ML	50161	100.00%	TEXAS SILVER MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
TEXAS SUBPROVINCE	Silver Spur beds / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE	EARLY PERMIAN

Comments

The mineralisation is low sulphidation, epithermal-style Ag-Au-Pb-Zn type and occurs as pyrargyrite and native silver with associated galena and sphalerite hosted by intensely silicified and K-metasomatised volcaniclastic rocks.
The mine was placed on care and maintenance, but heap leaching was continued to provide some cash flow for the administration.
A metallurgical and analytical laboratory were established at the proposed mine site in 2003. A new optimised open pit design was created in 2003, extending the mine life to 4 years.
In April 2007, Macmin announced that the first production of silver powder from the mine was achieved on 30 March. The powder was produced using an Electrometals silver extraction electrowinning plant and was the mine gate product.
Silver powder has a number of industrial uses such as electronics and antibacterial applications. Powder that did not find an immediate market could be readily refined and sold in solid form. Production was to be ramped up to 2.5 million ounces per annum.
Fine tuning of the leach silver recovery circuits continued throughout 2007, with silver production building up gradually.
On 3 November 2008, Macmin announced that it had appointed voluntary administrators of the company. Decreases in metal prices and market unrest had prevented the raising of additional capital or debt required for the project.
Delays in the supply and commissioning of additional crushing capacity and slower than predicted leaching rates had meant that the mine consumed more working capital than anticipated.
Production in the March 2008 quarter increased to 2820kg of silver powder (containing ~73,000oz of silver). Trials of a process to upgrade the powder by removing impurities were successfully completed.
In 2008, silver powder that was not sold in raw form direct from the mine was shipped to Melbourne where it was upgraded, smelted and converted to bullion. The crushing circuit was upgraded and a Merrill Crowe plant installed.
Alcyone Resources Limited announced in April 2011 that first silver production has commenced with a program of re-irrigation of the existing silver-rich heaps, with silver production due in May (BR 9663).
The heap leach pads are estimated to contain 400,000t of material at an average grade of 45g/t Ag. Leaching of existing heaps occured at expected rate with first Merill Crowe silver extraction commenced in June (BR9695 & BR9768).
In November 2009 Alcyone Resources take over operations and place over 85% of the resource into Measured and Indicated categories. An initial 60-day metallurgical test work trial is completed and production is planned for the end of 2010.
Late 2013 Alcyone announced focusing their targeting methods for silver exploration to a triangular area between Twin Hills, Mount Gunyan and Silver Spur; a NW-SE extension from the triangle following structure controling faults at Silver Spur and northern extensions from Mount Gunyan in features sub-parallel to the shear zone observed in Twin Hills (BR10274).
In Setember 2011 Alcyone commissioned Twin Hills mine: First 100000os of silver produced. A new silver bullion circuit with 2Moz pa capacity successfully installed in July 2011. Mine life was increased from 3yrs to 4-5yrs. (BR9695, BR 9767, BR9768)
In September 2011 Alcyone reported that 210000oz of silver produced from existing heap leach pads - exceeds 80% of targeted production from existing heap leach pads. The second 100000oz were achieved in just 5 weeks reflecting improved heap dynamics and (sept 2011, cont.) and the commisioning of the new Merrill Crowe circuit (BR9769).
Late 2013 primary crusher upgrade was commisioned, and high pressure grinding rolls (HPGR) are prepared for commissioning to increase recovery by over 5%. The HPGR and Quad rolls crusher are to work in tandem mitigating risks of mechanical downtime.
In late 2014 Alcyone went into receivership and the mine was placed on care and maintenance. In February 2016 Moreton Resources, through subsidiary MRV Metals acquired the tenements relating to the Twin Hills project.

Web Page

http://www.alcyone.com.au; in receivership (2014); http://mrvmetals.com.au/projects/texas-silver/

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480405 **TWO GEE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 21.5 KM NE OF GEORGETOWN.

1:100 000 sheet Number and Name: 7661 GEORGETOWN

Grid Reference: Zone 54 782020 mE 7992966 mN Latitude -18.1338 Longitude 143.6652 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Fiery Creek
2g/62g
Toogee

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U

Production Details

Published Reserves/Resources

Company Report 12635 Published in 1983 **TWO GEE**

INDICATED MINERAL RESOURCE 642,000 tonnes Ore @ 0.12 % URANIUM OXIDE **FOR** 770 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: Using a 500 ppm U cutoff.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ETHERIDGE PROVINCE	Daniel Creek Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	INTRUSIVE-RELATED URANIUM

Mineralisation Age

Comments

This occurrence was not field checked. It was discovered in 1974/75 by detailed geological mapping and trenching. It comprises two anomalies, 2G and 62G, and represents the largest subeconomic deposit in the Fiery Creek area.
Mineralisation is structurally controlled within the following environments: brecciated porphyritic rhyolitic dykes; reverse faults; basal arkosic sediments; sediments in the Falls Creek Formation;
and associated with "feldspathite" within the Apollo Fault (Newcastle Range Volcanics/basal sediments contact). Wall rock alteration is similar in all cases with hematisation, feldspathisation and albitisation evident.
Manganese oxides, typically in the form of Ba-Mn-Fe oxide, are usually present in the mineralised areas. The 2G zone, which is about 3500 m2 in area, with a thickest intersection of 6 to 7m, is within a tight low-grade envelope.
Detailed exploration between 1974 and 1981 led to the calculation of a resource figure for the deposit.
The potential for further resource delineation at shallow depths was identified as being limited. The small size, insufficient grade and lack of further shallow reserves prevented the establishment of a mining operation (ERMS 12635).
Drilling by Mega Uranium in 2008 returned only low grade uranium mineralisation within rhyolite, brecciated rhyolite and volcaniclastic sandstone.

Web Page

www.megauranium.com

Queensland Minerals

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38516 **TWO JACKS**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 10.5KM SSW OF PETFORD, 105KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7863 CHILLAGOE

Grid Reference: Zone 55 269413 mE 8077669 mN Latitude -17.3748 Longitude 144.8298 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Period: 1-Jan-1906 to 31-Dec-1964 11,140 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 451.0 tonnes

Published Reserves/Resources

Company Report 5378 Published in 1970

INFERRED MINERAL RESOURCE 30,000 tonnes Ore @ 0.60 % CASSITERITE **FOR** 180 Tonnes CASSITERITE

Comments/Cut Off Factor: 0.6% cassiterite.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14028	100.00%	TROPICAL METALS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE CARBONIFEROUS

Comments

Mineralisation is related to large, north-north-west-trending faults.

Web Page

www.qol.com.au

Queensland Minerals

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43836 **TYRCONNEL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 3.0 KM ENE OF THORNBOROUGH.

1:100 000 sheet Number and Name: 7964 RUMULA

Grid Reference: Zone 55 290754 mE 8126660 mN Latitude -16.9343 Longitude 145.0352 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Keating'S Vein

Harley'S Vein

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
TUNGSTEN	VERY SMALL	<5 tonnes W

Production Details

Period: 1-Jan-1876 to 31-Dec-1988 50,888 tonnes HARD ROCK ORE (OR REEF)

GOLD	BULLION	1,819.3 kilograms
SCHEELITE		0.4 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
ML	4880	100.00%	BELL	Andrew Peter
ML	4912	100.00%	BELL	Andrew Peter
ML	20340	100.00%	BELL	Andrew Peter

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)

Mineralisation Age

ORE DEVONIAN to LATE CARBONIFEROUS

Comments

The Tyrconnel was the major gold producer in the Hodgkinson Goldfield.

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482296 **UGLY CORNER**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 50 KM NORTH-EAST OF GREENVALE, 145KM NW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7960 VALLEY OF LAGOONS

Grid Reference: Zone 55 331615 mE 7914470 mN Latitude -18.8548 Longitude 145.4017 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1951 to 31-Dec-1955

CASSITERITE	1.1 tonnes

Published Reserves/Resources

Company Report 1168 Published in 1963

INFERRED MINERAL RESOURCE 650,000 cubic metres Ore @ 0.60 kg/m*3 CASSITERITE **FOR** 390 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	
DREDGING	
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC ALLUVIAL & COLLUVIAL DEPOSITS	Qa-QLD / QUATERNARY to QUATERNARY

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	DEEP LEAD PLACER SN

Mineralisation Age

ORE	CENOZOIC

Comments

The Ugly Corner Tertiary deep lead contains cassiterite and gold and is partly capped by basalt and silcrete.

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486570 **ULTIMO**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 7.3 KM WSW OF MARMOR, 65KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 9050 BAJOOL

Grid Reference: Zone 56 259522 mE 7377316 mN Latitude -23.6970 Longitude 150.6416 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Snow White

Commodities	Size	Size Definition
LUMP SILICA	SMALL	1 000 - 100 000 tonnes SIL
MOLYBDENUM	VERY SMALL	<50 tonnes MO

Production Details

Period: 1-Jan-1940 to 31-Dec-1961

LUMP SILICA 10,000.0 tonnes

Published Reserves/Resources

BR 5296 Published in 1943

INFERRED MINERAL RESOURCE

50,800 Tonnes LUMP SILICA

At surface estimation in 1943.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5296	1943	REID, J.H.	SILICA DEPOSIT, BAJOOL.	Queensland Government Mining Journal, 44, 96.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1940	to	1961	Intermittent mining by Mount Morgan Ltd for smelting flux.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	80027	100.00%	OPTIQUARTZ PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PERMO-TRIASSIC IGNEOUS PROVINCES	Bajool Quartz Diorite / LATE PERMIAN to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY MOLYBDENUM

Mineralisation Age

ORE LATE PERMIAN to EARLY TRIASSIC

Comments

This deposit consists of massive white quartz forming the crest of a hill.

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38240 **UNDINA NO.5**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 151 KM E OF MOUNT ISA, 45.4 KM E OF CLONCURRY

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 493863 mE 7715732 mN Latitude -20.6576 Longitude 140.9411 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST

Production Details

Period: 1-Jul-1996 to 30-Jun-1997 78,689 tonnes HARD ROCK ORE (OR REEF)

LIMESTONE METALLURGICAL ORE 78,689.0 tonnes

Period: 1-Jul-1997 to 30-Jun-1998 75,122 tonnes HARD ROCK ORE (OR REEF)

LIMESTONE METALLURGICAL ORE 75,121.8 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
EROMANGA BASIN	Toolebuc Formation / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	LIMESTONE DEPOSIT

Mineralisation Age

ORE	CRETACEOUS

Comments

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41791 **UNION**

ABANDONED MINE

Descriptive Location: 4.8 KM N OF MOUNT MULLIGAN.

1:100 000 sheet Number and Name: 7864 MOUNT MULLIGAN

Grid Reference: Zone 55 272414 mE 8139870 mN Latitude -16.8133 Longitude 144.8644 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1877 to 31-Dec-1946 22,175 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 640.6 kilograms 28.89 grams per tonne

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Visible gold occurs disseminated with pyrite in a massive quartz vein in a narrow shear zone in slate.

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488484 **UNITED ALLIES**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 3 KM NW OF KALPOWER

1:100 000 sheet Number and Name: 9148 MONTO

Grid Reference: Zone 56 326195 mE 7269495 mN Latitude -24.6790 Longitude 151.2822 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Marshall

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Period: 1-Jan-1896 to 2 tonnes HARD ROCK ORE (OR REEF)

COPPER CONCENTRATE 2.0 tonnes

Published Reserves/Resources

BR 7654 Published in 2005

INFERRED MINERAL RESOURCE 1,974,000 tonnes Ore @

0.50 % COPPER **FOR** 9,870 Tonnes COPPER

0.02 % MOLYBDENUM **FOR** 388 Tonnes MOLYBDENUM

Comments/Cut Off Factor: 0.2% Cu cutoff.

Determined from 30 drill holes.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7654	2005	QUEENSLAND ORES LIMITED	PROSPECTUS ISSUED 11 MARCH 2005.	QUEENSLAND ORES LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	MAIN SHAFT IS >10M DEEP, OTHER SHAFT COLLAPSED.
TRENCHES	
PITS	
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
ML 3206	100.00%	MT CANNINDAH MINING PTY LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ROCKHAMPTON SUBPROVINCE	Rockhampton Group / EARLY CARBONIFEROUS to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU

Mineralisation Age

ORE PALAEOZOIC

Comments

Part of Queensland Ores Limited's Mount Cannindah project.

Web Page

www.qol.com.au

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589308 **URQUHART AREA B**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 12KM SW OF WEIPA PORT, SOUTH OF EMBLEY RIVER MOUTH AND URQUHART POINT

1:100 000 sheet Number and Name: 7272 WEIPA

Grid Reference: Zone 54 586000 mE 8588000 mN Latitude -12.7715 Longitude 141.7923 Date Recorded: 17/January/2017

Other Names for Deposit / Mine

Urquhart
Area B
Leitham Creek
Urquhart Bauxite

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

BR 10495 Published in 2016

URQUHART AREA B (DSB)

INFERRED MINERAL RESOURCE 2,300,000 tonnes Ore @
2,366,000 Tonnes BAUXITE

Comments/Cut Off Factor: 48% Al2O3 (DSB) cut-off
49.9% Al2O3; 17.4% SiO2

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10495	2016	METALLICA MINERALS LIMITED	ASX ANNOUNCEMENT: SIGNIFICANT INCREASE IN VOLUME AND CATEGORY TO MINERAL RESOURCE FOR URQUHART BAUXITE PROJECT	ASX ANNOUNCEMENT 14 NOVEMBER 2016 BY METALLICA MINERALS LIMITED

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

Mineralisation Age

Comments

The Urquhart bauxite deposit is within the Bulimba Formation and has the potential for development as a small-scale, direct-shipping bauxite project (BR 10459).

Web Page

http://www.metallicaminerals.com.au/

Queensland Minerals

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38270 **URQUHART POINT**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 11.5 KM W OF WEIPA AIRSTRIP.

1:100 000 sheet Number and Name: 7272 WEIPA

Grid Reference: Zone 54 589722 mE 8598466 mN Latitude -12.6767 Longitude 141.8263 Date Recorded: 17/February/2017

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ZIRCON	SMALL	500 - 500 000 tonnes ZIR
RUTILE	SMALL	2 000 - 200 000 tonnes RUT
MONAZITE	VERY SMALL	<200 tonnes MZ
LEUCOXENE		
ILMENITE	VERY SMALL	<5 000 tonnes IM

Production Details

Published Reserves/Resources

BR 10566 Published in 2016 **URQUHART HMS**

INDICATED MINERAL RESOURCE 1,365,440 tonnes Ore @

13.20 % ILMENITE **FOR** 180,238 Tonnes ILMENITE

11.40 % ZIRCON **FOR** 155,660 Tonnes ZIRCON

10.90 % RUTILE **FOR** 148,832 Tonnes RUTILE

Comments/Cut Off Factor: 4.60% heavy minerals

BR 10566 Published in 2016 **URQUHART HMS**

MEASURED MINERAL RESOURCE 1,945,360 tonnes Ore @

12.50 % RUTILE **FOR** 243,170 Tonnes RUTILE

12.50 % ILMENITE **FOR** 243,170 Tonnes ILMENITE

10.20 % ZIRCON **FOR** 198,426 Tonnes ZIRCON

Comments/Cut Off Factor: 6.92% Heavy minerals
High grade zircon and rutile

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10566	2016	METALLICA MINERALS LIMITED	ANNUAL REPORT 2016	MINING 2012; TAKING STOCK, P24; 28 OCTOBER 2016. METALLICA MINERALS LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15268	100.00%	ORESOME AUSTRALIA PTY. LTD.
ML	20669	100.00%	ORESOME AUSTRALIA PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	

Deposit Model

GENERAL OREBODY MODEL	SHORELINE PLACER
DETAILED OREBODY MODEL	SHORELINE (STRANDLINE) PLACER HEAVY MINERALS

Mineralisation Age

ORE CENOZOIC

Comments

In 2008 Matilda Minerals identified an indicated resource of 2.780000t @ 7% of heavy mineral sand (zircon and rutile) to a maximun depth of 3m. A further 9km of coastline still needs to be tested within the Urquhart tenement (BR9601 & BR9598).

Web Page

www.matildaminerals.com; www.metallicaminerals.com.au

Queensland Minerals

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36991 **VALETTA**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 1.7KM ENE OF IRVINEBANK, 75KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 310841 mE 8073170 mN Latitude -17.4193 Longitude 145.2191 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Sugar Bag

Valetta Sugarbag

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Period: 1-Jan-1904 to 31-Dec-1973 6,287 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 125.2 tonnes

Published Reserves/Resources

BR 6053 Published in 1999 **VALETTA**

INFERRED MINERAL RESOURCE 20,000 tonnes Ore @ 0.80 % CASSITERITE **FOR** 160 Tonnes CASSITERITE

Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	20066	100.00%	MGT RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

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493702 **VALHALLA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 40 KM NORTH-NORTH-WEST OF MOUNT ISA.

1:100 000 sheet Number and Name: 6757 KENNEDY GAP

Grid Reference: Zone 54 329521 mE 7744883 mN Latitude -20.3866 Longitude 139.3664 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Valhalla South

Commodities	Size	Size Definition
URANIUM	MEDIUM	10 000 - 40 000 tonnes U
VANADIUM OXIDE	MEDIUM	500 - 10 000 tonnes V
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Published Reserves/Resources

BR 9918 Published in 2012 **VALHALLA**

INDICATED MINERAL RESOURCE 18,600,000 tonnes Ore @ 0.08 % URANIUM OXIDE **FOR** 15,624 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 0.023% U3O8 cutoff

50% Summit and 50% Paladin attribution (in 2012)

BR 9918 Published in 2012 **VALHALLA**

INFERRED MINERAL RESOURCE 9,100,000 tonnes Ore @ 0.06 % URANIUM OXIDE **FOR** 5,851 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 0.023% U3O8 cutoff

50% Summit and 50% Paladin attribution (in 2012)

BR 9918 Published in 2012 **VALHALLA**

MEASURED MINERAL RESOURCE 16,000,000 tonnes Ore @ 0.08 % URANIUM OXIDE **FOR** 13,104 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 0.023% U3O8 cutoff

50% Summit and 50% Paladin attribution (in 2012)

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9918	2012	SUMMIT RESOURCES LIMITED	QUARTERLY REPORT FOR PERIOD ENDING - 30 JUNE 2012	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 27 JULY 2012. SUMMIT RESOURCES LIMITED, SUBIACO.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Exploration shaft, excavated by Mount Isa Mines.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17514	100.00%	SUMMIT RESOURCES (AUST) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Cromwell Metabasalt Member / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	PROTEROZOIC

Comments

Mineralisation was discovered by a prospector in 1954. MIM then excavated an exploration shaft. The deposit is now being explored by Summit Resources Ltd & Resolute Mining Ltd.

Summit began a $350,000 exploration program in 1996. Deep diamond drilling intersected intervals of highly altered and mineralised tuff and shale, confirming vertical continuity of the deposit. The deposit remained open in all directions.

By January 1998, Summit had described its drill results as "spectacular" and reported that Phase 2 drilling had extended the near-surface strike length of the mineralised zone to >600m.

The deepest hole at that time had intersected high-grade uranium mineralisation within a wider, 100m envelope of alteration at around 450m below surface, some 150m below the previous deepest drilling.

Mineralisation remained open in both directions along strike and at depth. Intersections of uranium grades had been encountered, with wide zones of mineralisation grading >11g/t U3O8 over true width intersections of 30 to 75m.

Recent drill intersections have included 10m at 0.28% U3O8 and 0.22% V2O5, 53m at 0.11% U3O8 and 0.08% V2O5, and 35m at 0.15% U3O8 and 0.16% V2O5.

A drilling program aimed at upgrading the resources at the Valhalla deposit began in September 2007 and consists of 33,000m of RC drilling and 17,000m of diamond drilling.

Valhala is the fourth largest undeveloped uranium resource in Australia. The project is being reassessed as a result of higher uranium oxide prices and an optimistic outlook on government policy.

Web Page

www.summitresources.com.au; www.paladinenergy.com.au

Queensland Minerals

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532153 **VALLEY**

ABANDONED MINE

Descriptive Location: 28.9KM EAST-NORTH-EAST OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 371409 mE 7712002 mN Latitude -20.6869 Longitude 139.7653 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST

Production Details

Period: 1-Jan-1967 to 31-Dec-1977 171,189 tonnes HARD ROCK ORE (OR REEF)

LIMESTONE OTHER 171,189.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	Main opencut is ~80m in diameter. An older opencut is ~45m to the east and measures 20m long x 15m wide x 10m deep. Main opencut half filled with water.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15248	100.00%	CHINALCO YUNNAN COPPER RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KALKADOON-LEICHHARDT DOMAIN	Corella Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	VEIN CALCITE +/- CU

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

The limestone mined for flux was coarsely crystalline. Quartz veins posed problems in the maintenance of grades.

Web Page

www.mtsgold.com

Queensland Minerals

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610282 **VARDY**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 10 KM NORTH OF THE NICHOLSON RIVER, 315KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6562 HEDLEYS CREEK

Grid Reference: Zone 54 213577 mE 8031850 mN Latitude -17.7822 Longitude 138.2985 Date Recorded: 16/February/2017

Other Names for Deposit / Mine

Vardy Zone

Commodities	Size	Size Definition
COPPER	MEDIUM	50 000 - 250 000 tonnes CU
COBALT	MEDIUM	1 000 - 20 000 tonnes CO
ZINC	SMALL	200 - 200 000 tonnes ZN
LEAD	SMALL	1000 - 100 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Published Reserves/Resources

BR 10555 Published in 2017 **VARDY**

INDICATED MINERAL RESOURCE 2,200,000 tonnes Ore @

26.40 g/t SILVER	**FOR**	58,080 Kilograms SILVER
1.26 % COPPER	**FOR**	27,720 Tonnes COPPER
0.93 % ZINC	**FOR**	20,460 Tonnes ZINC
0.80 % LEAD	**FOR**	17,600 Tonnes LEAD
0.18 % COBALT	**FOR**	3,960 Tonnes COBALT

BR 10555 Published in 2017 **VARDY**

INFERRED MINERAL RESOURCE 3,400,000 tonnes Ore @

25.00 g/t SILVER	**FOR**	85,000 Kilograms SILVER
1.28 % COPPER	**FOR**	43,520 Tonnes COPPER
0.68 % LEAD	**FOR**	23,120 Tonnes LEAD
0.63 % ZINC	**FOR**	21,420 Tonnes ZINC
0.15 % COBALT	**FOR**	5,100 Tonnes COBALT

BR 10555 Published in 2017 **VARDY**

MEASURED MINERAL RESOURCE 1,000,000 tonnes Ore @

25.90 g/t SILVER	**FOR**	25,900 Kilograms SILVER
1.14 % COPPER	**FOR**	11,400 Tonnes COPPER
0.84 % LEAD	**FOR**	8,400 Tonnes LEAD
0.83 % ZINC	**FOR**	8,300 Tonnes ZINC
0.17 % COBALT	**FOR**	1,700 Tonnes COBALT

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10555	2017	AEON METALS LIMITED	QUARTERLY ACTIVITIES REPORT FOR THE THREE MONTHS ENDING 31 DECEMBER 2016	ANNOUNCEMENT OT THE AUSTRALIAN SECURITIES EXCHANGE, 31 JANUARY 2017. AEON METALS LIMITED, GOLD COAST.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14220	100.00%	AEON WALFORD CREEK LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Mount Les Siltstone / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

Mineralisation Age

ORE

Comments

Web Page

Queensland Minerals

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42162 **VICTORIA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: NE OF MUNGANA.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 226214 mE 8109769 mN Latitude -17.0801 Longitude 144.4275 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
ZINC	MEDIUM	200 000 - 2 000 000 tonnes ZN
SILVER	SMALL	5 - 500 tonnes AG
COPPER	SMALL	500 - 50 000 tonnes CU
MOLYBDENUM	SMALL	50 - 5 000 tonnes MO
GOLD	VERY SMALL	<0.5 tonnes AU
LEAD	VERY SMALL	<1000 tonnes PB

Production Details

Period: 1-Jan-1922 to 31-Dec-1923 185 tonnes HARD ROCK ORE (OR REEF)

SILVER		25.5 kilograms
COPPER	METAL	34.0 tonnes
LEAD	METAL	29.0 tonnes

Published Reserves/Resources

BR 10070 Published in 2011

VICTORIA MAIN & SOUTH

INFERRED MINERAL RESOURCE 3,440,000 tonnes Ore @

5.10 % ZINC	**FOR**	175,268 Tonnes ZINC
22.00 g/t SILVER	**FOR**	75,680 Kilograms SILVER
1.00 % COPPER	**FOR**	34,366 Tonnes COPPER
0.10 g/t GOLD	**FOR**	344 Kilograms GOLD

This resource includes a higher grade inf res of 948000t @ 7.3%Zn, 1.6% Cu and 30g/t Ag.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10070	2011	KAGARA MINING	QUARTERLY ACTIVITY REPORT FOR THE PERIOD ENDING 30 DECEMBER 2011.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 30 DECEMBER 2011 KAGARA MINING, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
TRENCHES	
ADITS	
DREDGING	
SURFACE MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15458	100.00%	MUNGANA GOLDMINES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	COPPER SKARN

Mineralisation Age

ORE

Comments

The first hole drilled by Kagara Ltd in late 2007 returned intersections of 26.84m at 6.0% Zn, 0.6% Cu and 11g/t Ag from 176.56m (including 7.69m at 14.6% Zn from 176.56m).

Kagara's second hole intersected 42.31m at 4.1% Zn, 1% Cu and 16g/t Ag from 364.5m (including 8.1m at 2.4% Cu, 1.8% Zn and 46g/t Ag from 364.8m and 6.82m at 8.2% Zn, 0.8% Cu and 11g/t Ag from 392.68m).

Kagara announced inferred resources for the Victoria Prospect in June 2008. A Au-Cu zone occurs at depth beneath and contiguous with the main base metals zone.

The geochemical signature of the porphyry mineralisation is very similar to the nearby Mungana and Red Dome porphyry-related deposits.

The Victoria lode strikes 140 degrees over a distance of 200m and includes the old Victoria, Tarantula and Boulder workings.

Web Page

www.kagara.com.au

Queensland Minerals

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38784 **VICTORIA AND QUEEN LODE**

ABANDONED MINE

Descriptive Location: 2.1KM ESE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 424432 mE 7779370 mN Latitude -20.0811 Longitude 146.2772 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Victoria And Queen
Victoria And Caledonia Block
Craven'S Caledonia

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1893 to 31-Dec-1901 20,607 tonnes HARD ROCK ORE (OR REEF)

GOLD FINE 1,045.7 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1893	to	1911	The lode was worked via the Victoria and Queen, Craven's Caledonia and the Victoria and Caledonia Block (formally Kelly's Caledonia) mines.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	
INCLINED SHAFTS / DRIVES	

Tenure Type/Number	SHARE	Company Name/Surname
ML 1499	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Web Page

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507596 **VICTORIA NORTH**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 28KM NE OF CHATSWORTH HOMESTEAD, 55KM SE OF MT ISA

1:100 000 sheet Number and Name: 6954 MOUNT MERLIN

Grid Reference: Zone 54 445340 mE 7591149 mN Latitude -21.7825 Longitude 140.4713 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Victoria

Victoria Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1994 to 31-Dec-1994			87,800 tonnes OXIDE ORE	
COPPER		METAL	3,116.9 tonnes	3.55 percent
GOLD		BULLION	32.5 kilograms	0.37 grams per tonne
Period: 1-Jan-1995 to 31-Dec-1995			75,900 tonnes OXIDE ORE	
COPPER		METAL	1,821.6 tonnes	2.40 percent
GOLD		BULLION	28.1 kilograms	0.37 grams per tonne

Published Reserves/Resources

BR 7038 Published in 2002

INDICATED MINERAL RESOURCE 2,400,000 tonnes Ore @

1.30 % COPPER **FOR** 31,200 Tonnes COPPER

0.20 g/t GOLD **FOR** 480 Kilograms GOLD

Comments/Cut Off Factor: 0.5% copper

BR 7038 Published in 2002

INFERRED MINERAL RESOURCE 520,000 tonnes Ore @

0.80 % COPPER **FOR** 4,160 Tonnes COPPER

0.10 g/t GOLD **FOR** 52 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7038	2002	SELWYN MINES LIMITED	SELWYN MINES LIMITED - ANNUAL REPORT 2002	SELWYN MINES LIMITED

Major Mining Related Events

Year Commenced		Year Completed	Comments
1994	to	1995	Mining by Australian Resources Ltd

Mining Operations	Comments
OPEN CUT MINING	Open cut now filled in.

Tenure Type/Number		SHARE	Company Name/Surname
ML	90043	100.00%	CHINOVA RESOURCES CLONCURRY MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KURIDALA-SELWYN DOMAIN	Hampden Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	PROTEROZOIC

Comments

Web Page

www.ivanhoeaustralia.com

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494052 **VICTORY - FLAGSHIP**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 38.1KM SE OF CLONCURRY

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 477317 mE 7685331 mN Latitude -20.9322 Longitude 140.7818 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Flagship
Flagship No. 1
Flagship No. 2
Victory
Beauhemia

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	31-Dec-1958		481 tonnes HARD ROCK ORE (OR REEF)	
GOLD		BULLION	26.7 kilograms	55.40 grams per tonne
Period: 1-Jan-1973 to	31-Dec-1976		762 tonnes HARD ROCK ORE (OR REEF)	
COPPER		METAL	43.2 tonnes	5.70 percent
GOLD		BULLION	0.2 kilograms	0.23 grams per tonne

Published Reserves/Resources

BR 10184 Published in 2012

VICTORY-FLAGSHIP

INFERRED MINERAL RESOURCE 196,000 tonnes Ore @

1.20 % COPPER **FOR** 2,352 Tonnes COPPER

1.40 g/t GOLD **FOR** 274 Kilograms GOLD

Comments/Cut Off Factor: 0.5% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10184	2012	EXCO RESOURCES LTD	MARKET RELEASE: QUEENSLAND EXPLORATION UPDATE; 2012 FIELD PROGRAMME HAS COMMENCED	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 20 APRIL 2012. EXCO RESOURCES LTD, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1973	to	1976	Worked by opencut as the Flagship mine.
		1958	Worked underground as the Victory mine.

Mining Operations	Comments
SHAFTS	
OPEN CUT MINING	50m long x 10m wide x 15m deep.
UNDERGROUND MINING METHODS	
PITS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15923	100.00%	EXCO RESOURCES (QLD) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Toole Creek Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Part of Exco Resources NL's Cloncurry Copper Project. Copper mineralisation occurs over a strike length of 1.3km along a north-west-trending structure that includes the MLT, Victory and Flagship workings.

In 2012 Exco Resources was taken over by Washington H Soul Pattinson & Co Ltd.

Web Page

www.excoresources.com.au

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38786 **VICTORY LODE**

ABANDONED MINE

Descriptive Location: 1.4 KM ESE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 423736 mE 7779566 mN Latitude -20.0793 Longitude 146.2706 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Victory
Clarke'S Brilliant, Worcester And Victory
Worchester And Victory
Morris'S Lode
Worcester Lode
Papuan Lode
Papuan Block
Morris Reef
No 2 Victory
Tuckett'S Reef
Papuan
Never Despair

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period: 1-Jan-1875 to 31-Dec-1895 50,888 tonnes HARD ROCK ORE (OR REEF)

GOLD FINE 3,445.6 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1875	to	1919	
1921	to	1922	No. 2 Victory G.M. Company worked the southern end of the Victory Lode.

Mining Operations	Comments
SHAFTS	May have also been underlie shafts
INCLINED SHAFTS / DRIVES	
UNDERGROUND MINING METHODS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1499	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Web Page

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42677 **VIKING**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 13KM NE OF MT GARNET, 90KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 306214 mE 8056419 mN Latitude -17.5703 Longitude 145.1741 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Published Reserves/Resources

BR 6053 Published in 1999 **VIKING PIT 1**

INDICATED MINERAL RESOURCE 5,000 tonnes Ore @ 1.00 % CASSITERITE **FOR** 50 Tonnes CASSITERITE

Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

BR 6053 Published in 1999 **VIKING PIT 1**

INFERRED MINERAL RESOURCE 5,000 tonnes Ore @ 1.00 % CASSITERITE **FOR** 50 Tonnes CASSITERITE

Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

BR 6053 Published in 1999 **VIKING PIT 2**

INFERRED MINERAL RESOURCE 5,000 tonnes Ore @ 0.50 % CASSITERITE **FOR** 25 Tonnes CASSITERITE

Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

BR 6053 Published in 1999 **VIKING PIT 3**

INDICATED MINERAL RESOURCE 1,815 tonnes Ore @ 0.60 % CASSITERITE **FOR** 11 Tonnes CASSITERITE

Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

BR 6053 Published in 1999 **VIKING PIT 3**

INFERRED MINERAL RESOURCE 18,000 tonnes Ore @ 0.60 % CASSITERITE **FOR** 108 Tonnes CASSITERITE

Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14185	100.00%	CONSOLIDATED TIN MINES LIMITED
ML	20547	100.00%	MGT MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE	LATE CARBONIFEROUS

Comments

This large opencut is on the north-western spur of the hill. Cassiterite occurs as fine grains, most probably disseminated throughout chloritised meta-arenite along the length of a shear.

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38243 **VRILYA POINT**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 46KM SW OF BAMAGA, 675KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7375 VRILYA POINT

Grid Reference: Zone 54 627123 mE 8757165 mN Latitude -11.2406 Longitude 142.1645 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BAUXITE	MEDIUM	100 000 000 - 200 000 000 t BX

Production Details

Published Reserves/Resources

Company Report 11810 Published in 1983

INFERRED MINERAL RESOURCE 100,000,000 tonnes Ore @
100,000,000 Tonnes BAUXITE

Resource grades 44-45% total Al2O3 and ~7% reactive SiO2.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
ML	7024	100.00%	RTA WEIPA PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC BAUXITE

Mineralisation Age

ORE	CENOZOIC

Comments

At Vrilya Point, Tertiary laterite crops out as a prominent cliff extending south for about 1 km. The cliff reaches a maximum height of about 18 m but decreases in height to the south.
The pisolitic zone is well developed in places but is somewhat irregular.
Although the pisolitic character of the bauxite zone is similar in general appearance to that in the Weipa area, it differs from the southern areas in that the bauxite is quite strongly cemented and even indurated in places.

Web Page

http://www.comalco.com

Queensland Minerals

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494892 **VULCAN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 39 KM N OF MOUNT TRACEY HOMESTEAD, 116 KM ESE OF MOUNT ISA.

1:100 000 sheet Number and Name: 7055 MOUNT ANGELAY

Grid Reference: Zone 54 452997 mE 7672179 mN Latitude -21.0506 Longitude 140.5476 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Copper Dome

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
COBALT	SMALL	10 - 1 000 tonnes CO
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1905 to 31-Dec-1931 285 tonnes HARD ROCK ORE (OR REEF)

COPPER	METAL	12.0 tonnes	4.20 percent
GOLD	BULLION	0.0 kilograms	

Published Reserves/Resources

BR 10576 Published in 2016 **VULCAN**

INDICATED MINERAL RESOURCE 1,100,000 tonnes Ore @

0.70 % COPPER **FOR** 7,700 Tonnes COPPER

0.01 % COBALT **FOR** 137 Tonnes COBALT

Comments/Cut Off Factor: 0.2% Cu cutoff

BR 10576 Published in 2016 **VULCAN**

INFERRED MINERAL RESOURCE 400,000 tonnes Ore @

0.60 % COPPER **FOR** 2,400 Tonnes COPPER

0.03 % COBALT **FOR** 120 Tonnes COBALT

Comments/Cut Off Factor: 0.2% Cu cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10576	2016	QUEENSLAND MINING CORPORATION LIMITED	ANNUAL REPORT 2016	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 21 OCTOBER 2016. QUEENSLAND MINING CORPORATION LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1905	to	1906	Owned by R Entriken
1913	to	1913	Shaft to 45.7m with a 12.2m south-westerly drive at the bottom.
1914	to	1929	No record of any work carried out.
1930	to	1930	Ore reserves estimated at 254 000t at 5% Cu.
1930	to	1931	Mine owned by Cloncurry Copper Ltd. Plant installed to treat ore by "Murdoch" leaching process. Work ceased in December 1931 due to lack of funds.
1954	to	1955	Mine inspection, geological mapping and sampling carried out. No.1 orebody was worked by two open cuts and a vertical shaft to 45.7m. No.2 orebody was worked by three open cuts. Other workings include a 10.7m deep shaft, pits and costeans
1954	to	1955	J Ivanac of the National Lead Company estimated the first orebody to contain approx. 60 960t at 3% Cu and the second orebody to contain approx. 48 768t at 3.5% Cu, both down to 36.58m depth.

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Mining Operations	Comments
TRENCHES	
STOPING	
UNDERGROUND MINING METHODS	
ADITS	Trends 050 degrees.
SHAFTS	
OPEN CUT MINING	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
MDL	205	100.00%	WHITE RANGE MINES PTY LTD
ML	2519	100.00%	WHITE RANGE MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Answer Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)
GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SHEAR ZONE-HOSTED HYDROTHERMAL

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Vulcan forms part of Matrix Resources Ltd's White Range Project, which was acquired by Queensland Mining Corporation Ltd in 2010.

Web Page

www.queenslandminingcorporation.com.au

Queensland Minerals

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37000 **VULCAN TIN**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 0.9 KM W OF IRVINEBANK.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 308414 mE 8072319 mN Latitude -17.4268 Longitude 145.1962 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Vulcan Tin Mine

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
TUNGSTEN	VERY SMALL	<5 tonnes W
LEAD	VERY SMALL	<1000 tonnes PB
COPPER	VERY SMALL	<500 tonnes CU
BISMUTH	VERY SMALL	<50 tonnes BI

Production Details

Period: 1-Jan-1888 to 31-Dec-1933 184,000 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 13,961.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	4253	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

This mine was the major lode tin producer in the Herberton Tinfield. Cassiterite is developed along shears in chloritised greywacke and the orebody is pipe-like. The richest sections comprised tin ore in chloritised schist.

Web Page

www.nqm.com.au

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42679 **WAFER**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 6KM NE OF MT GARNET.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 306114 mE 8045869 mN Latitude -17.6656 Longitude 145.1722 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Pinnacles - Wafer

Commodities	Size	Size Definition
FLUORITE	MEDIUM	50 000 - 5 000 000 tonnes FL
TIN	MEDIUM	1 000 - 100 000 tonnes SN
IRON	SMALL	5 000 - 5 000 000 tonnes FE
MAGNETITE	SMALL	50 000 - 500 000 tonnes MT
COPPER	VERY SMALL	<500 tonnes CU
ZINC	VERY SMALL	<200 tonnes ZN
LIMESTONE	VERY SMALL	<100 000 tonnes LST

Production Details

Published Reserves/Resources

BR 10409 Published in 2014 **PINNACLES**

INDICATED MINERAL RESOURCE 5,461,000 tonnes Ore @

19.12 % IRON **FOR** 1,044,143 Tonnes IRON

6.28 % FLUORINE **FOR** 342,950 Tonnes FLUORINE

0.49 % TIN **FOR** 1,069 Tonnes TIN

Comments/Cut Off Factor: 0.33% Sn

includes Wafer, Sniksa and Hartog resources

BR 10409 Published in 2014 **PINNACLES**

INFERRED MINERAL RESOURCE 1,575,000 tonnes Ore @

21.04 % IRON **FOR** 331,380 Tonnes IRON

4.14 % FLUORINE **FOR** 65,205 Tonnes FLUORINE

0.30 % TIN **FOR** 4,725 Tonnes TIN

Comments/Cut Off Factor: 0.33% Sn equiv

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10409	2014	CONSOLIDATED TIN MINES LIMITED	ANNUAL REPORT 2014	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE. 13 OCTOBER 2014. CONSOLIDATED TIN MINES LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14185	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	Pinnacles Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL REPLACEMENT DEPOSIT

DETAILED OREBODY MODEL TIN SKARN

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Consolidated Tin Mines Ltd have explored a strike length of 400m along the contact zone between the limestone and the granite with encouraging drilling results, such as 8m @ 2.36% Sn and 31.7% Fe from 22m.

In the 1990s, an agricultural supply business mined limestone from the Pinnacles ridge. Several pits were excavated to about 20m depth.

A wrigglite (fluorite-magnetite-vesuvianite) skarn occurs in a roof pendant containing marble, basalt, chert and siliceous hornfels. Granite is pervasively sericitised and locally chloritised or greisenised.

Five core holes have been drilled for a total of 646m. Assay results ranged from 46ppm-1.17% Cu, 66ppm-1.68% Zn and 0.88-12.0% F.

Mapping also showed a large central ridge of calc-silicate (altered, hybridised dolerite with enclosed garnet-scapolite-diopside rock, hornfels and an interpreted, almost continuous, strip of marble along the eastern contact).

Web Page

www.consolidatedtinmines.com.au

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43565 **WALFORD CREEK**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 10 KM NORTH OF THE NICHOLSON RIVER, 315KM NNW OF MT ISA.

1:100 000 sheet Number and Name: 6562 HEDLEYS CREEK

Grid Reference: Zone 54 212122 mE 8031165 mN Latitude -17.7881 Longitude 138.2847 Date Recorded: 3/June/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LEAD	MEDIUM	100 000 - 2 500 000 tonnes PB
ZINC	MEDIUM	200 000 - 2 000 000 tonnes ZN
COBALT	LARGE	>20 000 tonnes CO
SILVER	MEDIUM	500 - 5 000 tonnes AG
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

BR 10434 Published in 2015 **WALFORD CREEK**

INDICATED MINERAL RESOURCE 16,200,000 tonnes Ore @

20.10 g/t SILVER	**FOR**	325,620 Kilograms SILVER
1.02 % ZINC	**FOR**	165,240 Tonnes ZINC
0.83 % LEAD	**FOR**	134,460 Tonnes LEAD
0.46 % COPPER	**FOR**	74,520 Tonnes COPPER
0.09 % COBALT	**FOR**	14,725 Tonnes COBALT

Comments/Cut Off Factor: At 0.55% CuEquiv cut-off:

BR 10434 Published in 2015 **WALFORD CREEK**

INFERRED MINERAL RESOURCE 57,100,000 tonnes Ore @

24.50 g/t SILVER	**FOR**	1,398,950 Kilograms SILVER
0.86 % LEAD	**FOR**	491,060 Tonnes LEAD
0.80 % ZINC	**FOR**	456,800 Tonnes ZINC
0.39 % COPPER	**FOR**	222,690 Tonnes COPPER
0.08 % COBALT	**FOR**	44,823 Tonnes COBALT

Comments/Cut Off Factor: At 0.55% CuEquiv cut-off:

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10434	2015	AEON METALS LIMITED	AEON METALS ANNUAL REPORT 2014	ANNOUNCEMENT OT THE AUSTRALIAN SECURITIES EXCHANGE, 30 OCTOBER 2015. AEON METALS LIMITED, GOLD COAST.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14220	100.00%	AEON WALFORD CREEK LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMOOWEAL-MURPHY DOMAIN	Mount Les Siltstone / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
CAMOOWEAL-MURPHY DOMAIN	Mount Les Siltstone / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
CAMOOWEAL-MURPHY DOMAIN	

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENT-HOSTED PB-ZN (SEDEX ZN-PB, SHALE-HOSTED ZN-PB)

Mineralisation Age

ORE	PALAEOPROTEROZOIC to MESOPROTEROZOIC	1640 +- 7 Ma

Comments

Copper Strike Ltd were targeting a shallow, open cuttable, breccia-hosted Cu-Co resource. Drilling was planned to extend the known resource (around 2007).

The prospect was subeconomic due to the discontinuous nature of the mineralisation. The best drilling intercepts were 6.3m at 5.9% Zn and 3.5% Cu from 89m depth and 7.4m at 6.6% Zn, 9.2% Pb and 124g/t Ag from 205m depth.

The grade of mineralisation is generally 2 to 5% Zn equivalent. Three temporally distinct phases of base metal mineralisation overprint early massive pyrite.

Phase 1 - synsedimentary/diagenetic pyrite and marcasite deposited as microbially precipitated, synsedimentary exhalative mound complexes that were reworked into three massive pyrite lenses.

Phase 2 - stratiform sphalerite-galena plus early cavity fill and replacive style pyrite-sphalerite-galena-quartz (sulphide-rich units that are wholly within organic carbon-rich members of the Mount Les Siltstone).

Phase 3 - drusy cavity-lining sphalerite and associated carbonate and Cu-Pb-Zn veins. Phase 4 - brittle Cu-Pb-Zn veins as dilatent network breccia veins and planar dilatent veins within dolomitic talus breccia and pyrite lenses.

In late 2008, Copper Strike signed an agreement with Walford Consolidated Pty Ltd whereby Walford Consolidated can earn a 25% interest in the project by spending $1 million in 2009.

Walford Consolidated Pty Ltd failed to complete first year expenditure to earn 25% interest in the EPM's. In December Qtr 2009, Copper Strike Limited signed a JV agreement with MM Mining Limited.

In December 2011, Copper Strike announced drilling results, with drillhole WFDD87 intersecting 17.1m @ 1.94% Cu, 2.41% Pb, 0.71% Zn, 29g/t Ag and 0.43% Co from 76m depth. The high grade section of the deposit is still open to the east.

May 2011: Copper strike sold Walford Creek to Aston Copper Pty Ltd for a cash sum of $2.5 million.

Aeon Metals has acquired Walford Creek in June 2014, which has a published JORC resource of some 48 Mt of 1.42% Cu equivalent (BR10398).

Exploration at Walford Ck commenced in the early 1960s, however it was not until the mid-1980s that any concerted activities were completed. Between 1961 and 2012, 217 exploratory drill holes were completed at Walford for a total of 34,504m (BR10398).

Web Page

www.mmmining.com.au

0 **WALKERS**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 17.9KM SW OF BUNDABERG.

1:100 000 sheet Number and Name: 9348 BUNDABERG

Grid Reference: Zone 56 419355 mE 7239425 mN Latitude -24.9583 Longitude 152.2011 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period:	1-Jul-1997	to	30-Jun-1998	
BRICK CLAY				1,119.0 tonnes
Period:	1-Jul-1998	to	30-Jun-1999	
BRICK CLAY				2,912.0 tonnes
Period:	1-Jul-2000	to	30-Jun-2001	
BRICK CLAY				450.0 tonnes
Period:	1-Jul-2001	to	30-Jun-2002	
BRICK CLAY				323.0 tonnes
Period:	1-Jul-2003	to	30-Jun-2004	
BRICK CLAY				384.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations Undeveloped deposit **Comments**

OPEN CUT MINING

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ELLIOT BASIN	Elliott Formation / EOCENE to MIOCENE

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	TERTIARY

Comments

There is a small quarry in the hillside. It was not being worked when visited in February 2005.

Web Page

Queensland Minerals

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494069 **WALLACE NORTH**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 29.6KM ESE OF CLONCURRY, 130KM EAST OF MT ISA.

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 474506 mE 7695867 mN Latitude -20.8370 Longitude 140.7550 Date Recorded: 22/May/2015

Other Names for Deposit / Mine

Kangaroo Rat
Wallace
William Wallace

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
COBALT	VERY SMALL	<10 tonnes CO
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1927	to	31-Dec-1930	157	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	28.0 tonnes	17.80 percent
GOLD			BULLION	2.1 kilograms	13.03 grams per tonne
Period:	1-Jan-1962	to	31-Dec-1962	10	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	2.3 tonnes	24.20 percent
Period:	1-Jan-1980	to	31-Dec-1980	11	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	1.5 tonnes	13.70 percent
GOLD			BULLION	0.1 kilograms	5.20 grams per tonne

Published Reserves/Resources

BR 10184 Published in 2012

KANGAROO RAT

INFERRED MINERAL RESOURCE 875,000 tonnes Ore @
1.65 % COPPER **FOR** 14,437 Tonnes COPPER
1.00 g/t GOLD **FOR** 875 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10184	2012	EXCO RESOURCES LTD	MARKET RELEASE: QUEENSLAND EXPLORATION UPDATE; 2012 FIELD PROGRAMME HAS COMMENCED	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 20 APRIL 2012. EXCO RESOURCES LTD, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1927	to	1930	Worked as the Wallace mine.
1960	to	1962	Reopened in 1960, with production in 1962. Worked as the Kangaroo Rat mine.
1980	to	1980	Worked again as the Kangaroo Rat mine.

Mining Operations	Comments
PITS	
TRENCHES	
UNDERGROUND MINING METHODS	
STOPING	
OPEN CUT MINING	
SHAFTS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	15923	100.00%	EXCO RESOURCES (QLD) PTY LTD
ML	2695	100.00%	EXCO RESOURCES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Toole Creek Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
SOLDIERS CAP DOMAIN	

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Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Part of Exco resources NL's Cloncurry Copper Project. In 2012 Exco Resources was taken over by Washington H Soul Pattinson & Co Ltd.

Web Page

www.excoresources.com.au

517455 **WALLACE SOUTH**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 30.6KM ESE OF CLONCURRY.

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 474690 mE 7694331 mN Latitude -20.8509 Longitude 140.7567 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Wallace South Prospect

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Published Reserves/Resources

BR 10184 Published in 2012

WALLACE SOUTH

INFERRED MINERAL RESOURCE 1,000,000 tonnes Ore @ 1.60 g/t GOLD **FOR** 1,600 Kilograms GOLD

Comments/Cut Off Factor: 0.5g/t Au cutoff

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10184	2012	EXCO RESOURCES LTD	MARKET RELEASE: QUEENSLAND EXPLORATION UPDATE; 2012 FIELD PROGRAMME HAS COMMENCED	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 20 APRIL 2012. EXCO RESOURCES LTD, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
EPM 15923	100.00%	EXCO RESOURCES (QLD) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Toole Creek Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Part of Exco Resources NL's Cloncurry Copper Project. In 2012 Exco Resources was taken over by Washington H Soul Pattinson & Co Ltd.

Web Page

www.excoresources.com.au

Queensland Minerals

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532156 **WARRIGAL**

ABANDONED MINE

Descriptive Location: 9.7KM EAST OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 352590 mE 7707669 mN Latitude -20.7247 Longitude 139.5843 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
SILICA	SMALL	1 000 - 1 000 000 t SIO

Production Details

Period: 1-Jan-1974 to 31-Dec-1981

SILICA	239,707.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Mount Guide Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	ROCK SILICA

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

A gossanous ridge is located adjacent to and immediately east of a massive quartz zone along a fault.
A quarry was operated by Kalkadoon Mining for silica flux, which was sold to Mount Isa Mines Ltd.

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496839 **WARRINILLA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 52 KM SOUTH OF ROLLESTON, 300KM NSW OF GLADSTONE.

1:100 000 sheet Number and Name: 8648 WARRINILLA

Grid Reference: Zone 55 657412 mE 7242156 mN Latitude -24.9276 Longitude 148.5589 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
SODA ASH		

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
BOWEN BASIN	Aldebaran Sandstone / EARLY PERMIAN to LATE PERMIAN

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

Mineralisation Age

Comments

Sodium bicarbonate-rich brines occur within the Aldebaran Sandstone.

Web Page

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39080 **WARRIOR**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 5.7KM SSE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 424962 mE 7774852 mN Latitude -20.1220 Longitude 146.2821 Date Recorded: 10/March/2016

Other Names for Deposit / Mine

Warrior Lode
Old Warrior
Warrior Pup
Warrior King
Warrior Pup United
Warrior East
Warrior Extended
East Area, Charters Towers Project
Imperial Mine

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1875 to 31-Dec-1915 6,539 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 139.4 kilograms

Period: 1-Jul-2006 to 30-Jun-2015

GOLD METAL 1,957.9 kilograms

SILVER 1,225.9 kilograms

Published Reserves/Resources

BR 10151 Published in 2012 **WARRIOR EAST (E3)**

INDICATED MINERAL RESOURCE 203,847 tonnes Ore @
7.16 g/t GOLD **FOR** 1,459 Kilograms GOLD

Includes probable reserves of 50000t at 6.3g/t Au.

BR 10151 Published in 2012 **WARRIOR**

INFERRED MINERAL RESOURCE 1,944,000 tonnes Ore @
13.50 g/t GOLD **FOR** 26,244 Kilograms GOLD
9.00 g/t SILVER **FOR** 17,496 Kilograms SILVER

Includes indicated resource of 203847t at 7.16g/t Au (BR7710)

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1875	to	1915	Mining.
1935			Unsuccessfully reopened.

Operating Mine Life: 2006 to 2013 Decline constructed from the Washington Pit to access the Warrior resource. Gold production scheduled for November 2006 and is planned to produce 40,000 ozs of gold per year. 10 year mine life as at November 2006.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
DECLINED SHAFTS/DRIVES	The eastern (main decline) portal is located within the Washington open pit and was excavated 1000m to access the gold resource. The western decline is an internal decline.

Queensland Minerals

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Tenure Type/Number		SHARE	Company Name/Surname
ML	1348	100.00%	CITIGOLD CORPORATION LIMITED
ML	1490	100.00%	CITIGOLD CORPORATION LIMITED
ML	10091	50.00%	GREAT MINES PTY LTD
ML	10091	50.00%	CHARTERS TOWERS MINES PTY LTD
ML	10222	100.00%	CITIGOLD CORPORATION LIMITED
ML	10335	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN

Deposit Model

DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED	
GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN

Mineralisation Age

ORE	LATE SILURIAN to EARLY DEVONIAN	206Pb/204Pb model age for Charters Towers veins of 400 Ma given by Carr & others (1988); Date of ~414Ma from sericite in alteration at Brilliant (Perkins & Kennedy, 1998).

Comments

This resource forms part of the Charters Towers Project of Citigold Corporation Ltd. The initial gold production commenced in November 2006 with the pouring of 10.4kg of gold. Early part of the mine plan is to produce gold from mine development drives. Design production rate is 40,000 oz per year. Ore is treated at the Black Jack processing plant. Production in the year up to June 30th 2010 was 15888oz at an average grade of 4.4g/t Au.which includes stoping ore and lower grade development ore.
Mining commenced on the eastern side of the Warrior's east-west strike line of the reef. The deposit has an overall length of >2km.
In April 2009, drilling from the western decline area intersected 1.5m at 161g/t Au and 1.1m at 35g/t Au at depths of 250 to 292m below surface. Stoping is planned in this area. Development from the decline opened up a 1km strike length of the reef.
ML 10335, covering a 1.5km eastern extension of the Warrior line of reef was granted for future mining in May 2009. Exploration and development will be from underground, with no surface disturbance.
Mining at the Warrior (aka Imperial Mine) ceased in late 2013 in preparation for development to begin at the Central Mine.
2011: Citigold report a new resource after extensive drilling was completed. The drilling was focused on mapping and understanding of grade distribution as well as testing possible depth of deposit.
In 2011 at total of 14233.45m of drilling in 112 holes was completed - a combination of surface drilling (mostly RC) for ore body definition and geophysics and ore definition drilling underground (diamond holes)
In 2005 Citigold had reported a total inferred mineral resource of 22,754 605t at 13.5g/t (3g/t cut-off), which has been confirmed in 2011 (BR9803). In 2011 an indicated mineral resource of 740 000t at 15g/t (7g/t cut-off), including a probable ore
(cont.) reserve of 800 000t at 13g/t Au (7g/t cut-off) was reported.

Web Page

www.citigold.com

Queensland Minerals

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494883 **WARWICK CASTLE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 9.3KM NNW OF THE MOUNT CUTHBERT MINE

1:100 000 sheet Number and Name: 6858 ALSACE

Grid Reference: Zone 54 384491 mE 7798486 mN Latitude -19.9064 Longitude 139.8965 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Enterprise 11

Elina

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
SILICA	SMALL	1 000 - 1 000 000 t SIO

Production Details

Period:	31-Dec-1958			1,605 tonnes HARD ROCK ORE (OR REEF)	
COPPER			OTHER	177.0 tonnes	11.00 percent
GOLD			BULLION	0.4 kilograms	0.22 grams per tonne
Period:	1-Jan-1974 to	31-Dec-1976		1,904 tonnes HARD ROCK ORE (OR REEF)	
LUMP SILICA				1,904.0 tonnes	
COPPER			OTHER	86.7 tonnes	3.20 percent
Period:	1-Jan-1977 to	31-Dec-1979		522 tonnes HARD ROCK ORE (OR REEF)	
COPPER			OTHER	21.7 tonnes	4.15 percent
Period:	1-Jul-1996 to	30-Jun-1997			
COPPER			PLATE	557.6 tonnes	
Period:	1-Jul-1997 to	30-Jun-1998			
COPPER			PLATE	1,741.0 tonnes	
Period:	1-Jul-1998 to	30-Jun-1999			
COPPER			PLATE	110.0 tonnes	

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1912	to	1929	Main early production period. Mined by Mount Cuthbert NL.
1974	to	1979	Mined for cupriferous silica flux by W Ah Sing and A J Smith. The ore was sold to Mount Isa Mines Ltd.
1996	to	1999	Mined by open cut by Murchison United NL as part of its Mount Cutherbert Copper Mine project. Total production was about 2651t of copper.

Mining Operations	Comments
OPEN CUT MINING	Lodes were worked historically and recently by open cut.
SHAFTS	
PITS	Numerous prospecting pits
UNDERGROUND MINING METHODS	Crosscuts and drives north and south on the 35.7m level.

Tenure Type/Number		SHARE	Company Name/Surname
ML	7520	100.00%	MALACO LEICHHARDT PTY LTD
ML	90092	100.00%	MALACO LEICHHARDT PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KALKADOON-LEICHHARDT DOMAIN	Leichhardt Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
KALKADOON-LEICHHARDT DOMAIN	Kalkadoon Granodiorite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	PROTEROZOIC	Mineralisation occurs in the quartz and in the schist.

Comments

The mine lies on the northern end of a northerly trending shear zone/faulted contact between Leichhardt Volcanics and Kalkadoon Granite that ranges in width from 61m to 244m. This zone extends south from the Saint Pauls Fault Zone for ~13km.
Rocks associated with the shear are predominantly quartz-chlorite schist bounded to the east by metadolerite and to the west by Kalkadoon Granite. The schist is weakly mineralised across its full width and contains many mineralised quartz veins.
The resource calculated by Murchison United NL before open cut mining in 1996-1999 was 236,791t of oxide and transition ore at 1.92% Cu, with a cut off grade of 0.40% Cu and a 4.8:1 stripping ratio.

Web Page

www.matrixmetals.com.au

Queensland Minerals

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497307 **WARWICK PLANT**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 30KM NE STANTHORPE, 130KM SW OF BRISBANE.

1:100 000 sheet Number and Name: 9341 WARWICK

Grid Reference: Zone 56 413076 mE 6859500 mN Latitude -28.3879 Longitude 152.1128 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Marberete Lime Works
Warwick

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST
MARBLE	VERY SMALL	<10 000 tonnes MARB
BUILDING STONE	VERY SMALL	<100 000 tonnes BLST

Production Details

Period: 1-Jul-1997 to 30-Jun-2007

LIMESTONE OTHER 101,331.0 tonnes

Period: 1-Jul-1998 to 30-Jun-2006

MARBLE 1,277.0 tonnes

Published Reserves/Resources

BR 6096 Published in 1999

INFERRED MINERAL RESOURCE

500,000 Tonnes LIMESTONE

Comments/Cut Off Factor: G Cochrane, David Mitchell Ltd (personal communication, 28/06/1999), Ref: Letter from Greg Cochrane, David Mitchell Limited (28/06/1999).

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6096	1999	GREG COCHRANE		CORRESPONDANCE FROM DAVID MITCHELL LIMITED ON THE 28/06/1999.

Major Mining Related Events

Year Commenced	Year Completed	Comments
1998		

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	50146	100.00%	SIBELCO LIME (NSW) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SILVERWOOD PROVINCE	Rosenthal Creek Formation / DEVONIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL SEDIMENT-HOSTED DEPOSIT

DETAILED OREBODY MODEL LIMESTONE DEPOSIT

Mineralisation Age

ORE DEVONIAN

Comments

Unimin operated quarry near Warwick producing marble, limestone and aggregate.

Web Page

http://www.unimin.com.au

Queensland Minerals

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39081 **WASHINGTON**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 5.4 KM SE OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 425419 mE 7775491 mN Latitude -20.1162 Longitude 146.2865 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Pacific

E1, Charters Towers Project

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	SMALL	5 - 500 tonnes AG

Production Details

Period: 1-Jan-1872 to 31-Dec-1911 2,185 tonnes KNOWN HISTORIC PRODUCTION

GOLD BULLION 109.9 kilograms

Period: 1-Jan-1999 to 31-Dec-1999 17,100 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 176.0 kilograms 10.30 grams per tonne

Published Reserves/Resources

BR 10151 Published in 2012

WASHINGTON (E01) & SONS (E05)

INFERRED MINERAL RESOURCE 1,458,000 tonnes Ore @

13.50 g/t GOLD **FOR** 19,683 Kilograms GOLD

9.00 g/t SILVER **FOR** 13,122 Kilograms SILVER

Washington (E01) & Sons of Freedom (E05)

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1875	to	1911	
1999	to	1999	Mining commenced January 1999 reaching a final depth of 42 metres in September 1999 when it closed.

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	
DECLINED SHAFTS/DRIVES	A 1000m decline constructed from the base of the open cut to access the Warrior resource.
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1490	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Millchester Creek Tonalite / SILURIAN to DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

The deposit is part of the Charters Towers Project of Citigold Corporation Ltd.

This mine is on the same lode system as Golden Alexandra, Sons of Freedom and Crowley's.

Web Page

http://www.citigold.com.au/

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534685 **WATERANGA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 25.3KM SE OF MOUNT PERRY

1:100 000 sheet Number and Name: 9247 MOUNT PERRY

Grid Reference: Zone 56 382855 mE 7199425 mN Latitude -25.3171 Longitude 151.8362 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
FELDSPAR	LARGE	>100 000 tonnes FS
ILMENITE	LARGE	>10 000 000 tonnes IM
APATITE		
SCANDIUM		
MICA	LARGE	>200 000 tonnes MI
ZIRCON	SMALL	500 - 500 000 tonnes ZIR
CORUNDUM	LARGE	>100 tonnes CN
RUTILE	SMALL	2 000 - 200 000 tonnes RUT
PLATINUM	VERY SMALL	<0.5 tonnes PT
MAGNETITE	LARGE	>1 000 000 tonnes MT

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13278	100.00%	QUEENSLAND INDUSTRIAL MINERALS PTY LTD
MDL	355	100.00%	QUEENSLAND INDUSTRIAL MINERALS PTY LTD
ML	80116	100.00%	QUEENSLAND INDUSTRIAL MINERALS PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PERMO-TRIASSIC IGNEOUS PROVINCES	Wateranga Gabbro / EARLY TRIASSIC to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	MAFIC VOLCANIC RELATED DEPOSIT
DETAILED OREBODY MODEL	STRATIFORM MAFIC-ULTRAMAFIC FE-TI-V (BUSHVELD FE-TI-V)

Mineralisation Age

ORE	PERMIAN to TRIASSIC

Comments

THE WATERANGA PROJECT PROPOSES OPEN CUT MINING IN 2 STAGES DUE TO THE PROXIMITY TO THE BURNETT DAM. A TAILINGS DAM AND PROCESSING PLANT ARE PROPOSED TO BE BUILT ON SITE, WITH MINERAL PRODUCT TRANSPORTED TO BUNDABERG.

The Wateranga gabbro is being targeted for its high Al-feldspar but also features apatite, scandium and ilmenite, which have been quantified and are sought as resources.

Muscovite, phlogopite, zircon, rutile and corundum are also being considered for extraction. The deposit is divided into an elluvial section which will be targeted first and a hard rock section which may be exploited later.

In addition to the main eluvial resources, Wateranga also contains inferred hard rock resources of 345Mt at ~23% magnetite, 7.3% ilmenite, 1% zircon and 7.7% apatite (from QIM website), with potential for an additional 450Mt of hard rock ore.

Web Page

www.qim.com.au

39083 **WATERLOO**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 36.9KM SSW OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 407228 mE 7746282 mN Latitude -20.3793 Longitude 146.1110 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Waterloo West
Austerlitz
Waterloo Central

Commodities	Size	Size Definition
ZINC	SMALL	200 - 200 000 tonnes ZN
COPPER	SMALL	500 - 50 000 tonnes CU
LEAD	SMALL	1000 - 100 000 tonnes PB
SILVER	SMALL	5 - 500 tonnes AG
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 10525 Published in 2016

WATERLOO OXIDE ORE

INFERRED MINERAL RESOURCE 55,000 tonnes Ore @

2.30 % LEAD	**FOR**	1,265 Tonnes LEAD
15.00 g/t SILVER	**FOR**	825 Kilograms SILVER
3.70 g/t GOLD	**FOR**	203 Kilograms GOLD
0.20 % COPPER	**FOR**	110 Tonnes COPPER
0.10 % ZINC	**FOR**	55 Tonnes ZINC

BR 10525 Published in 2016

WATERLOO PRIMARY

INDICATED MINERAL RESOURCE 309,000 tonnes Ore @

13.00 % ZINC	**FOR**	40,170 Tonnes ZINC
65.00 g/t SILVER	**FOR**	20,085 Kilograms SILVER
2.50 % COPPER	**FOR**	7,725 Tonnes COPPER
2.00 % LEAD	**FOR**	6,180 Tonnes LEAD
1.30 g/t GOLD	**FOR**	401 Kilograms GOLD

Fresh (oxide)

BR 10525 Published in 2016

WATERLOO PRIMARY

INFERRED MINERAL RESOURCE 232,000 tonnes Ore @

8.30 % ZINC	**FOR**	19,256 Tonnes ZINC
28.00 g/t SILVER	**FOR**	6,496 Kilograms SILVER
0.80 % LEAD	**FOR**	1,856 Tonnes LEAD
0.90 % COPPER	**FOR**	1,044 Tonnes COPPER
0.40 g/t GOLD	**FOR**	92 Kilograms GOLD

Fresh (oxide)

BR 10525 Published in 2016

WATERLOO TRANSITION ORE

INDICATED MINERAL RESOURCE 97,000 tonnes Ore @

14.50 % ZINC	**FOR**	14,065 Tonnes ZINC
78.00 g/t SILVER	**FOR**	7,566 Kilograms SILVER
3.20 % COPPER	**FOR**	3,104 Tonnes COPPER
2.40 % LEAD	**FOR**	2,328 Tonnes LEAD
1.60 g/t GOLD	**FOR**	155 Kilograms GOLD

BR 10525 Published in 2016

WATERLOO TRANSITION ORE

INFERRED MINERAL RESOURCE 69,000 tonnes Ore @

6.40 % ZINC	**FOR**	4,416 Tonnes ZINC
24.00 g/t SILVER	**FOR**	1,656 Kilograms SILVER
1.10 % LEAD	**FOR**	759 Tonnes LEAD
0.80 % COPPER	**FOR**	552 Tonnes COPPER
0.40 g/t GOLD	**FOR**	27 Kilograms GOLD

Resource figures listed above are JORC compliant.

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Published Reference ID	Year	Author	Title	Source
BR 10525	2016	RED RIVER RESOURCES LIMITED	ASX ANNOUNCEMENT; PLACEMENT SUCCESSFULLY COMPLETED - RESTART OF THE THALANGA ZINC PROJECT IS NOW FULLY FUNDED	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. 02 DECEMBER 2016 RED RIVER RESOURCES

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	10582	100.00%	CROMARTY RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
THALANGA PROVINCE	Trooper Creek Formation / EARLY ORDOVICIAN to EARLY ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
DETAILED OREBODY MODEL	VMS - KUROKO STYLE (NORANDA, FELSIC TO INTERMED VMS TYPE)

Mineralisation Age

ORE	EARLY ORDOVICIAN

Comments

Exploration activities were temporarily suspended at the end of 2008. The deposit has been acquired by Red River Resources in October 2014.
with pyritic stringer mineralisation within the schists and footwall andesite. Mineralisation is continuous for 1.5km to the Agincourt Prospect to the west.
Drilling by Kagara Zinc Ltd has confirmed that mineralisation extends to at least 250m vertical depth, with an intersection of 8.8m at 17.2% Zn, 4.2% Cu, 2.8% Pb, 77g/t Ag and 1.01g/t Au from 221.2m.
Work progressed on detailed mine planning and development in preparation for a ML application in the December 2008 quarter. Drilling returned 15.35m at 20.8% Zn, 4.6% Cu, 2.2% Pb, 2.3g/t Au and 117g/t Ag.
The Waterloo Prospect (originally called Austerlitz) was discovered by Pennaroya (Australia) Pty Ltd in 1980 through the discovery of a heavily sercitised and pyritised outcrop of rhyolitic pyroclastics.
The deposit lies under approximately 20m of cover (Campaspe Formation) and is hosted by quartz-sericite-pyrite schists, derived from the footwall of the Trooper Creek Formation. The massive sulphide mineralisation is sphalerite-chalcopyrite-galena rich,
Red River Resources Limited acquired the Waterloo Deposit as part of Thalanga package from Kagara and is currently working on mine design and production schedules.

Web Page

http://www.redriverresources.com.au/

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44279 **WATERSHED**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 34 KM NORTH-WEST OF MOUNT CARBINE, 105KM NW OF CAIRNS.

1:100 000 sheet Number and Name: 7865 SOUTH PALMER RIVER

Grid Reference: Zone 55 273600 mE 8192350 mN Latitude -16.3393 Longitude 144.8808 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Desailly Prospect

Watershed Grid

Commodities	Size	Size Definition
TUNGSTEN	LARGE	>10 000 tonnes W

Production Details

Published Reserves/Resources

BR 10181 Published in 2012 **WATERSHED**

INDICATED MINERAL RESOURCE 11,510,000 tonnes Ore @ 0.24 % TUNGSTIC OXIDE **FOR** 27,624 Tonnes TUNGSTIC OXIDE

Comments/Cut Off Factor: 0.10% WO3

BR 10181 Published in 2012 **WATERSHED**

INFERRED MINERAL RESOURCE 4,730,000 tonnes Ore @ 0.26 % TUNGSTIC OXIDE **FOR** 12,298 Tonnes TUNGSTIC OXIDE

Comments/Cut Off Factor: 0.10% WO3

BR 10181 Published in 2012 **WATERSHED**

MEASURED MINERAL RESOURCE 4,420,000 tonnes Ore @ 0.25 % TUNGSTIC OXIDE **FOR** 11,050 Tonnes TUNGSTIC OXIDE

Comments/Cut Off Factor: 0.10% WO3

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10181	2012	VITAL METALS LTD	ANNUAL REPORT 2012	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 30 JUNE 2012. VITAL METALS LTD, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
MDL	127	100.00%	NORTH QUEENSLAND TUNGSTEN PTY LTD
ML	20535	100.00%	NORTH QUEENSLAND TUNGSTEN PTY LTD
ML	20536	100.00%	NORTH QUEENSLAND TUNGSTEN PTY LTD
ML	20537	100.00%	NORTH QUEENSLAND TUNGSTEN PTY LTD
ML	20538	100.00%	NORTH QUEENSLAND TUNGSTEN PTY LTD
ML	20566	100.00%	NORTH QUEENSLAND TUNGSTEN PTY LTD
ML	20567	100.00%	NORTH QUEENSLAND TUNGSTEN PTY LTD
ML	20576	100.00%	NORTH QUEENSLAND TUNGSTEN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	WOLFRAM SKARN

Mineralisation Age

ORE	EARLY PERMIAN

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Comments

The Watershed deposit is a calc-silicate hosted skarn type scheelite deposit in which scheelite occurs as crystal aggregates in quartz-microcline veins and as fine to medium grains disseminated in random patches within steeply dipping calc-silicate rocks.
Mineralisation related to quartz vein swarms and replacement style alteration of favourable hosts. Conglomerate and sandstone are the primary host lithologies. Shales never host mineralisation.
Albitised, dyke-like intrusions of granite also host scheelite mineralisation and a granite source is postulated for the W. Drilling in 2006 produced intersections of 15m at 0.46% WO3 from 57m, 9m at 1.47% WO3 from 194m, and 21m at 0.86% WO3 from 103m.
The deposit crops out on a hill and will be open cut. Vital Metals has carried out metallurgical testing into using X-ray fluoresence sorting for pre-concentration, followed by gravity separation of coarse material and flotation treatment of fines.
Drilling in early 2007 intersected high-grade mineralisation in a significant western and depth extension of the known resource, including 11m at 0.21% WO3 from 127m, 4m at 0.4% WO3 from 291m, 20m at 1.27% WO3 from 302m and 4m at 1.79% WO3 from 336m.
In March 2007, a 12t bulk sample was in Perth for metallurgical testing. Approval was granted in July to extract two additional 50t bulk samples from two adits into the eastern and western zones of the deposit.
The adits were completed in the September 2007 quarter. Drilling confirmed extensions of the mineralisation in new zones 250m south and 500m north of the defined resource area.
Very high purity concentrates (78.4% WO4 table concentrates) were produced during metallurgical testing of the bulk samples.
Vital Metals announced in October 2008 that they are slowing down the work undertaken on the Watershed Feasibilty Study, specifically the tails dam, plan and pit design.
Drilling results from the diamond drilling campaign completed in August 2008 gave intersections of 4m @ 2.13% WO3 from 79m (south-west extension), 6m @ 2.55% WO3 from 143m and 25m @ 0.70% WO3 from 7m (northern area).
This scheelite deposit was discovered by Utah Development Company in 1978 from stream sediment sampling. Utah drilled the deposit in the early 1980s. The first hole intersected 35m at 0.36% WO3.
In 2005, Vital Metals Ltd acquired the deposit from North Queensland Tungsten Pty Ltd and the surrounding exploration permit from Republic Gold Ltd.

Web Page

www.vitalmetals.com.au
http://vitalmetals.com.au/

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502885 **WATTA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 4.2KM E OF CALTON HILLS HOMESTEAD

1:100 000 sheet Number and Name: 6757 KENNEDY GAP

Grid Reference: Zone 54 338331 mE 7770837 mN Latitude -20.1529 Longitude 139.4531 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
URANIUM	SMALL	100 - 10 000 tonnes U
VANADIUM OXIDE	VERY SMALL	<5 tonnes V
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Published Reserves/Resources

BR 9918 Published in 2012 **WATTA**

INFERRED MINERAL RESOURCE 4,200,000 tonnes Ore @ 0.04 % URANIUM OXIDE **FOR** 1,722 Tonnes URANIUM OXIDE

Comments/Cut Off Factor: 0.023% U3O8

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9918	2012	SUMMIT RESOURCES LIMITED	QUARTERLY REPORT FOR PERIOD ENDING - 30 JUNE 2012	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 27 JULY 2012. SUMMIT RESOURCES LIMITED, SUBIACO.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17513	100.00%	SUMMIT RESOURCES (AUST) PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Leander Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	PROTEROZOIC

Comments

Mineralisation occurs in a hematite-feldspar breccia. Drilling has intersected multiple zones of U-V mineralisation, including 47m at 0.05% U3O8 and 0.1% V2O5, 7m at 0.11% U3O8 and 0.22% V2O5, and 13m at 0.06% U3O8 and 0.06% V2O5.

Web Page

www.summitresources.com.au

Queensland Minerals

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494885 **WEE MACGREGOR**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 51.4KM ESE OF MOUNT ISA; 63.1KM WSW OF CLONCURRY

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 390135 mE 7687165 mN Latitude -20.9125 Longitude 139.9435 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Wee Mcgregor

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period:	1-Jan-1911	to	31-Dec-1920	45,121	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	2,775.0 tonnes	6.20 percent
GOLD			BULLION	43.5 kilograms	1.00 grams per tonne
Period:	1-Jan-1962	to	31-Dec-1971	417	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	25.8 tonnes	6.20 percent
Period:	1-Jul-1974	to	30-Jun-1975		
COPPER			PRECIPITATE	56.7 tonnes	74.10 percent
Period:	1-Jan-1979	to	31-Dec-1981	381	tonnes HARD ROCK ORE (OR REEF)
COPPER			METAL	19.7 tonnes	5.16 percent
GOLD			BULLION	0.0 kilograms	

Published Reserves/Resources

BR 5752 Published in 1998

WEE MACGREGOR

INDICATED MINERAL RESOURCE 520,000 tonnes Ore @ 1.80 % COPPER **FOR** 9,360 Tonnes COPPER

Comments/Cut Off Factor: 1% Cu

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 5752	1998	RESOURCE INFORMATION UNIT	REGISTER OF AUSTRALIAN MINING 1998/99.	RESOURCE INFORMATION UNIT, SUBIACO, WESTERN AUSTRALIA.

Queensland Minerals

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Major Mining Related Events

Year Commenced		Year Completed	Comments
1904	to	1905	Discovered by Jack White of Rosebud Station in 1904. James Reid purchased 7 leases (Balaclava, Sebastapal, Greater Esmond, Inkerman, Grand Central, Wallaroo and Wee MacGregor) in 1905. The MacGregor Cloncurry copper MInes Ltd formed.
1906	to	1907	Stores and dwellings erected. By the end of 1906, a shaft sinking headframe and winding engine were installed. The prospecting shaft was 39.6m deep within 6 months.
1907	to	1912	Mainly prospecting and development work. The "Wee MacGregor Tramway Agreement Act 1912", proposing a rail link to the mine, was passed by the Queensland Government. The mine passed into the hands of the Hampden Cloncurry Copper Mines Ltd.
1912	to	1914	The township of Hightville was surveyed. A 35km long 3'6" gauge railway was constructed from Devoncourt to a railhead at Ballara. A 5km 2' gauge tramline to the mine, including a 77m long tunnel, was proposed and construction began in 1914.
1915	to	1915	The line was commissioned in June 1915, when the Krause locomotive, with 50 tons of ore, made its first trip to the transfer ramp at Ballara. The ore was then railed by Government train to the Kuridala smelters.
1916	to	1921	The main shaft was deepened to 146.3m in 1981 but intersected a very large water inflow. Mining operations ceased in 1920 after the closure of the Kuridala smelters. The 2' gauge tramway was pulled up and stored at Ballara in 1921.
1962	to	1971	Intermittent small-scale production by Edna May Mines.
1971	to	1971	Lease purchased by Eastern Copper Mines NL in 1971. A copper leaching and precipitation plant was set up and the main shaft was reconditioned. 100 x 20m deep solution-injection holes were drilled at 8m intervals along the lode outcrop.
1972	to	1975	In-situ leaching and copper precipitation in long concrete tanks started in 1974 but was suspended in 1975 due to low copper prices.
1977	to	1979	Mine reopened by Phillips Metals Exploration Company Pty Ltd (as managers for eastern Copper Mines) and operated until 1979. Production was about 18t of 90% Cu cement per month.
1980	to	1981	Minor copper production.

Mining Operations	Comments
SHAFTS	
ADITS	
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
STOPING	
INSITU MINING METHODS	In-situ leaching, with copper precipitation in concrete tanks.

Tenure Type/Number		SHARE	Company Name/Surname
ML	2504	100.00%	MINING INTERNATIONAL PTY LTD
ML	90098	100.00%	MINING INTERNATIONAL PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

Web Page
www.matrixmetals.com.au

Queensland Minerals

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481288 **WELCOME**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 4.3 KM WSW OF MINGELA POST OFFICE.

1:100 000 sheet Number and Name: 8258 MINGELA

Grid Reference: Zone 55 457395 mE 7800510 mN Latitude -19.8911 Longitude 146.5930 Date Recorded: 20/February/2017

Other Names for Deposit / Mine

Welcome Breccia

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
LEAD	VERY SMALL	<1000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period: 1-Jan-1906 to 31-Dec-1936 3,658 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 80.9 kilograms

Period: 1-Jul-1994 to 30-Jun-1995 65,200 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 121.9 kilograms 1.87 grams per tonne

Published Reserves/Resources

BR 10444 Published in 2015

WELCOME BRECCIA

INFERRED MINERAL RESOURCE 2,036,000 tonnes Ore @ 3.20 g/t GOLD **FOR** 6,528 Kilograms GOLD

Comments/Cut Off Factor: 1g/t cut-off

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10444	2015	RESOLUTE MINING LIMITED	A PROVEN GOLD PRODUCER > ANNUAL REPORT 2015	RESOLUTE MINING LIMITED, PERTH. HTTP://HTTP://WWW.RML.COM.AU/

Major Mining Related Events

Year Commenced		Year Completed	Comments
1906	to	1913	
1923	to	1936	
1994	to	1995	Open cut mining from September 1994 to Feb 1995 by Rishton (Gold) P/L, a wholely owned entity of Aurora Gold P/L.

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	Removed by opencutting.

Tenure Type/Number		SHARE	Company Name/Surname
ML	1520	100.00%	CARPENTARIA GOLD PTY. LTD.

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Mingela Granodiorite / ORDOVICIAN to SILURIAN

Deposit Model

GENERAL OREBODY MODEL	DIATREME OR PYROCLASTIC-RELATED DEPOSITS	PIPE
DETAILED OREBODY MODEL	PORPHYRY-RELATED AURIFEROUS SUBVOLCANIC BRECCIAS AND VEINS	GOLD ONLY

Mineralisation Age

ORE

Comments

Web Page

www.resolute-ltd.com.au

Queensland Minerals

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39087 **WELLINGTON LODE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 2.6 KM SSW OF CHARTERS TOWERS

1:100 000 sheet Number and Name: 8157 CHARTERS TOWERS

Grid Reference: Zone 55 421243 mE 7777648 mN Latitude -20.0966 Longitude 146.2467 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Millett'S Wellington
Iron Duke
Lord Nelson
Lord Nelson Lode
Nos. 1 And 2 Wellington
No. 3 Wellington (Guy'S)

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU

Production Details

Period: 1-Jan-1874 to 31-Dec-1901 26,076 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,426.9 kilograms

Published Reserves/Resources

BR 10151 Published in 2012

WELLINGTON

INFERRED MINERAL RESOURCE 972,000 tonnes Ore @

13.50 g/t GOLD **FOR** 13,122 Kilograms GOLD

9.00 g/t SILVER **FOR** 8,748 Kilograms SILVER

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10151	2012	CITIGOLD CORPORATION LIMITED	TECHNICAL REPORT: MINERAL RESOURCES AND RESERVES 2012 CHARTERS TOWERS GOLD PROJECT	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE, 18 MAY 2012. CITIGOLD CORPORATION LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1874	to	1901	The Wellington, Iron Duke and Lord Nelson reefs were worked during this time.

Mining Operations	Comments
INCLINED SHAFTS / DRIVES	At least five underlie shafts worked this lode.
SHAFTS	
UNDERGROUND MINING METHODS	

Tenure Type/Number	SHARE	Company Name/Surname
MDL 116	100.00%	CITIGOLD CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MACROSSAN IGNEOUS ASSOCIATION	Towers Hill Granite / ORDOVICIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL MESOTHERMAL VEINS/PIPE/STOCKWORK

DETAILED OREBODY MODEL MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE LATE SILURIAN to EARLY DEVONIAN

Comments

Part of Citigold Corporation Limited's Charters Towers Gold Project

Web Page

http://www.citigold.com

Queensland Minerals

A Summary of Major Mineral Resources, Mines and Projects, 2016

481928 **WELLINGTON SPRINGS**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 17.1 KM WSW OF RAVENSWOOD, 85KM SOUTH OF TOWNSVILLE.

1:100 000 sheet Number and Name: 8257 RAVENSWOOD

Grid Reference: Zone 55 471460 mE 7774380 mN Latitude -20.1275 Longitude 146.7269 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Quarrien
Quarrion
Spring Creek
Carnes Water Hole
Spring Reef
Silver Star

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	SMALL	5 - 500 tonnes AG
GOLD	VERY SMALL	<0.5 tonnes AU
LEAD	VERY SMALL	<1000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN
BISMUTH	VERY SMALL	<50 tonnes BI

Production Details

Period:	1-Jan-1895	to	31-Dec-1909	316 tonnes HARD ROCK ORE (OR REEF)	
GOLD			BULLION	11.2 kilograms	35.44 grams per tonne
Period:	1-Jan-1936	to	31-Dec-1937	225 tonnes HARD ROCK ORE (OR REEF)	
GOLD			FINE	4.5 kilograms	20.19 grams per tonne
SILVER				92.9 kilograms	413.59 grams per tonne
COPPER			METAL	3.8 tonnes	1.70 percent

Published Reserves/Resources

BR 9390 Published in 2000 **WELLINGTON SPRINGS OPEN CUT**

INFERRED MINERAL RESOURCE 112,000 tonnes Ore @

58.00 g/t SILVER **FOR** 6,496 Kilograms SILVER
0.60 % COPPER **FOR** 672 Tonnes COPPER
3.01 g/t GOLD **FOR** 337 Kilograms GOLD

Comments/Cut Off Factor: 0.6 g/t Au cutoff.
Includes proved reserves of 19,900t at 0.98g/t Au and 21g/t Ag.

BR 9390 Published in 2000 **WELLINGTON SPRINGS TAILINGS**

MEASURED MINERAL RESOURCE 18,500 tonnes Ore @

22.80 g/t SILVER **FOR** 421 Kilograms SILVER
1.25 g/t GOLD **FOR** 23 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9390	2000	HAOMA MINING NL	REPORT FOR THE QUARTER ENDED SEPTEMBER 30, 2000.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. HAOMA MINING NL, MELBOURNE.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	
STOPING	
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	1415	100.00%	KITCHENER MINING NL
ML	1483	100.00%	KITCHENER MINING NL

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PAMA IGNEOUS ASSOCIATION	Wellington Springs Tonalite / LATE SILURIAN to EARLY DEVONIAN

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Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY INTRUSION-RELATED QUARTZ VEINS & STOCKWORKS

Mineralisation Age

ORE	LATE PERMIAN	206Pb/204Pb model age of 260 Ma (Carr & others, 1988).

Comments

Dump and rock chip sampling by South Pine Quarries Ltd returned up to 43.3g/t Au and 520g/t Ag.
Percussion drilling by South Pine Quarries Ltd intersected averages of 1.35m at 8.1ppm Au, 146ppm Ag, 295ppm Bi, 0.66% Cu, 1.52% Pb and 0.11% Zn and 1.45m at 13.7ppm Au, 146ppm Ag, 346ppm Bi, 1.44% Cu, 0.32% Pb and 0.48% Zn.
Drilling by Haoma Mines NL intersected 3.5m at 4.06g/t Au, 111.3g/t Ag, 1.38% Cu, 0.44% Zn and 0.71% Pb from 18m, 6m at 8.4g/t Au, 44g/t Ag, 0.57% Cu and 0.3% Pb from 32m and 6.5m at 0.76g/t Au, 1.4g/t Ag, 0.21% Cu, 0.14% Zn and 0.03% Pb from 56m.

Web Page

www.haoma.com.au

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507630 **WEST RIDGE 1**

ABANDONED MINE

Descriptive Location: 2.7KM N OF COOROY.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 491843 mE 7081596 mN Latitude -26.3856 Longitude 152.9182 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jul-2005 to 30-Jun-2009

BRICK CLAY	125,221.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	3742	100.00%	CSR BUILDING PRODUCTS LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
POMONA BASIN	Pomona beds / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	CENOZOIC

Comments

The Cooroy Brickworks closed in July 2010.

Web Page

www.csr.com.au

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486647 **WHISPERING RIDGE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 37 KM SOUTH OF RAVENSHOE, NEAR BOEING HILL MO PROSPECT, 110KM SOUTH OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 333034 mE 8015630 mN Latitude -17.9410 Longitude 145.4235 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Whispering Ridge Magnetite Prospect

Commodities	Size	Size Definition
MAGNETITE	MEDIUM	500 000 - 1 000 000 tonnes MT

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname	Christian Name
EPM	15896	100.00%	OMODEI	Montgomery John
MDL	298	100.00%	OMODEI	Montgomery John

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	IRON SKARN

Mineralisation Age

ORE	CARBONIFEROUS to PERMIAN

Comments

The Whispering Ridge magnetite deposit(s) occur between north-west striking, micaceous mudstones and arenites to the west and an equigranular Permo-Carboniferous, fault bounded wedge of 'granite' cropping out to the east.

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501449 **WHITE BLOW**

ABANDONED MINE

Descriptive Location: 8.7KM SSW OF MOUNT ISA

1:100 000 sheet Number and Name: 6756 MOUNT ISA

Grid Reference: Zone 54 339910 mE 7699127 mN Latitude -20.8008 Longitude 139.4618 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
SILICA	SMALL	1 000 - 1 000 000 t SIO

Production Details

Period: 31-Dec-1971 8,000 tonnes HARD ROCK ORE (OR REEF)

LUMP SILICA 8,000.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
LEICHHARDT RIVER DOMAIN	Moondarra Siltstone / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	ROCK SILICA

Mineralisation Age

ORE PROTEROZOIC

Comments

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493371 **WHITEHILL**

ABANDONED MINE

Descriptive Location: 19KM NW OF WONDAI.

1:100 000 sheet Number and Name: 9245 MURGON

Grid Reference: Zone 56 373351 mE 7102346 mN Latitude -26.1927 Longitude 151.7325 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

White Hill

Commodities	Size	Size Definition
EARTHY LIME / DOLOMITE (AGRICULTURAL)	SMALL	10 000 - 100 000 tonnes ELIM

Production Details

Period: 1-Jul-1996 to 30-Jun-2008

EARTHY LIME / DOLOMITE (AGRICULTURAL) 18,373.8 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1996	to	2009	production from open pit. Tenure lapsed in 2009

Mining Operations	Comments
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MAIN RANGE VOLCANIC SUBPROVINCE	Main Range Volcanics / EARLY TERTIARY to LATE TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	DOLOMITE DEPOSIT

Mineralisation Age

ORE TERTIARY to QUATERNARY

Comments

Web Page

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41106 **WHITESTONE**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 11.4KM WNW OF MARYBOROUGH

1:100 000 sheet Number and Name: 9446 MARYBOROUGH

Grid Reference: Zone 56 458353 mE 7178639 mN Latitude -25.5088 Longitude 152.5856 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Maryborough Clay 1

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period:	1-Jan-1958	to	31-Dec-1959	
CLAY				1,158.2 tonnes
Period:	1-Jan-1964	to	31-Dec-1965	
CLAY				1,889.8 tonnes
Period:	1-Jul-1996	to	30-Jun-2002	
CLAY				15,575.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1936	to	1969	Maryborough Drainpipes commenced production in 1936. The clay was fired to produce earthernware pipes and fittings. Production from 1962 to 1963 and 1966 to 1969 was not reported separately from other leases held by Maryborough Drainpipes.
1996	to	2002	Quarried by Marcotta Tiles Pty Ltd.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5391	100.00%	MARCOTTA TILES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARYBOROUGH BASIN	Maryborough Formation / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE JURASSIC to CENOZOIC

Comments

Laterite profile with 1 to 3m of ironstone and quartz pebbles in sandy clay over 6 to 10m of brick clay.

Web Page

www.marcotta.com.au

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491309 **WHITEWASH**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 26.5KM WNW OF MONTO.

1:100 000 sheet Number and Name: 9048 SCORIA

Grid Reference: Zone 56 285195 mE 7254800 mN Latitude -24.8065 Longitude 150.8750 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Windmill Hill
Whitewash South
Whitewash Hill
Gordons Knob
Brigalow

Commodities	Size	Size Definition
COPPER	LARGE	250 000 - 2 000 000 tonnes CU
MOLYBDENUM	MEDIUM	5 000 - 200 000 tonnes MO
SILVER	SMALL	5 - 500 tonnes AG
TUNGSTEN	VERY SMALL	<5 tonnes W
RHENIUM		

Production Details

Published Reserves/Resources

BR 9994 Published in 2012

GREATER WHITEWASH

INDICATED MINERAL RESOURCE 185,000,000 tonnes Ore @

1.55 g/t SILVER	**FOR**	286,750 Kilograms SILVER
0.12 % COPPER	**FOR**	219,965 Tonnes COPPER
0.03 % MOLYBDENUM	**FOR**	48,655 Tonnes MOLYBDENUM

Comments/Cut Off Factor: 425ppm Mo(Equivalent) cut-off.

BR 9994 Published in 2012

GREATER WHITEWASH

INFERRED MINERAL RESOURCE 56,000,000 tonnes Ore @

1.54 g/t SILVER	**FOR**	86,240 Kilograms SILVER
0.11 % COPPER	**FOR**	62,888 Tonnes COPPER
0.02 % MOLYBDENUM	**FOR**	13,384 Tonnes MOLYBDENUM

Comments/Cut Off Factor: 425ppm Mo(Equivalent) cut-off.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9994	2012	AEON METALS LIMITED	AEON METALS ANNUAL REPORT 2012	ANNOUNCEMENT OT THE AUSTRALIAN SECURITIES EXCHANGE, 29 OCTOBER 2012. AEON METALS LIMITED, GOLD COAST.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14628	100.00%	AEON METALS LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
RAWBELLE BATHOLITH	Wingfield Granite / LATE PERMIAN to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, MAGMATIC-RELATED

Mineralisation Age

ORE

Comments

Brooks (1976) considered Whitewash to be one of a small group of very low grade Cu-Mo occurrences near the northern margin of the Wingfield Adamellite. These deposits may be related to a ENE trending lineament (Horton, 1974).

The numerous vein systems in the area have reused pre-existing north-north-east-trending structures and may indicate the presence of an intrusive porphyry source at depth.

The Cu-Mo mineralisation at Gordons Knob occurs in a carapace to a polyphasal granitic intrusion system developed at the apophysis to a large magma source. Most Mo occurs in the brecciated carapace wall rocks and pegmatites.

Drilling results announced in August 2007 included downhole aggregate widths of 34 to 103m at 0.02 to 0.04% Mo, 0.12 to 0.23% Cu, 0.08 to 3.4g/t Ag and 31 to 150ppm W.

Aussie Q Resources Ltd have estimated an exploration target of 40-50Mt at 0.04-0.08% Mo and 0.1-0.2% Cu (15-20Mt at 0.07-0.12% Mo and 0.15-0.3% Cu) with minor Zn and Ag.

By the end of January 2008, the company had completed 52 holes amd a weighted average grade of 0.05% Mo, 0.16% Cu, 2.3g/t Ag and 45ppm W had been estimated from 35 drillhole intersections.

Sixty-five holes had been drilled by the end of the March 2008 quarter. Significant aggregated intersections included 94.5m at 0.07% Mo, 0.11% Cu and 1.7g/t Ag from 24m and 71m at 0.07% Mo, 0.14% Cu and 1g/t Ag from 25m.

Drilling in the June 2008 quarter confirmed the potential at Whitewash, with intercepts of 143m at 0.1% Mo and 0.07% Cu from 10m, including 19m at 0.48% Mo and 0.08% Cu from 65m.

Driiling at Gordon's Kob (the northern extension of Whitewash) intersected 143m at 0.10% Mo and 0.07% Cu and 77m at 0.05% Mo and 0.08% Cu.

Drilling results for Gordon's Knob announced in October 2008 included 119m at 0.086% Mo, 0.128% Cu and 1.6ppm Ag from 46m and 90.5m at 0.111% mo, 0.182% Cu and 2.2ppm Ag from 74.5m (including 8m at 0.643% Mo, 0.31% Cu and 3.9ppm Ag from 151m).

Drilling at Whitewash South, 500m S of Whitewash-Gordons, has potentially increased the strike length of the Whitewash mineralisation to 1.9km. Intersections included 39m @ 232ppm Mo, 0.23% Cu & 2.6g/t Ag (including 7m @ 336ppm Mo, 0.33% Cu & 2.3g/t Ag).

in 2012 further drilling inthe Greater Whitewash Project was completed to enable metallurgical testwork and not to update the current JORC resource, which stands at 242Mt @ 604ppm MoEq based on a 425ppm MoEq cut-off (BR9994)

Web Page

http://www.aeonmetals.com.au/

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518221 **WIDE BAY**

CARE AND MAINTENANCE

Descriptive Location: 18.0KM NNW OF CHILDERS

1:100 000 sheet Number and Name: 9347 CHILDERS

Grid Reference: Zone 56 423039 mE 7226171 mN Latitude -25.0782 Longitude 152.2369 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Wide Bay 3

Gregory

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jul-1999 to 30-Sep-1999

BRICK CLAY 83,856.0 tonnes

Period: 1-Jul-2000 to 30-Sep-2001

BRICK CLAY 77,975.0 tonnes

Period: 1-Jul-2005 to 30-Jun-2006

BRICK CLAY 3,562.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1998	to	1999	Operated by Wide Bay Brickworks Pty Ltd.
2000			Operated by QC Bricks Pty Ltd.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
ELLIOT BASIN	Elliott Formation / EOCENE to MIOCENE

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	TERTIARY

Comments

Brick clay pits for QC Bricks Pty Ltd (Bundaberg brickworks).

Web Page

www.qcbricks.com.au

Queensland Minerals

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546553 **WIDE BAY 4**

CARE AND MAINTENANCE

Descriptive Location: 7.1KM WNW OF CHILDERS

1:100 000 sheet Number and Name: 9347 CHILDERS

Grid Reference: Zone 56 420650 mE 7211295 mN Latitude -25.2124 Longitude 152.2123 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jul-2005 to 30-Jun-2006

BRICK CLAY	15,136.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Broomfield Granite / LATE TRIASSIC to LATE TRIASSIC
GYMPIE PROVINCE	Brooweena Formation / EARLY TRIASSIC to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC KAOLIN

Mineralisation Age

ORE	TRIASSIC to CENOZOIC

Comments

Wide Bay Brickworks Pty Ltd operates a large clay pit at this location. The clay is used for brick manufacture.
White clay occurs at a depth of about 6m and represents the pallid zone of a lateritic profile developed on the Broomfield Granite (BR 2981).

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532908 **WILGAR**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 17.3KM WEST-NORTH-WEST OF CLONCURRY

1:100 000 sheet Number and Name: 6956 MARRABA

Grid Reference: Zone 54 432084 mE 7715326 mN Latitude -20.6601 Longitude 140.3480 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
LIMESTONE	SMALL	100 000 - 2 000 000 tonnes LST
COPPER	VERY SMALL	<500 tonnes CU

Production Details

Period: 31-Dec-1958 11 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 1.3 tonnes 11.80 percent

Period: 1-Jan-1950 to 31-Dec-1958

LIMESTONE CRUSHED ROCK 107,248.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1950	to	1958	Mined by Davis Construction Company to supply cupriferous limestone flux to Mount Isa smelters.

Mining Operations	Comments
OPEN CUT MINING	Two large opencuts

Tenure Type/Number		SHARE	Company Name/Surname
ML	90177	100.00%	CUDECO LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MITAKOODI DOMAIN	Overhang Jaspilite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MITAKOODI DOMAIN	do-MI / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	VEIN CALCITE +/- CU

Mineralisation Age

ORE MESOPROTEROZOIC

Comments

Mineralisation within calcareous breccia on margin to Corella Formation

Web Page

www.cudeco.com.au

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40249 **WILMOT EXTENDED**

ABANDONED MINE

Descriptive Location: 2.0 KM SE OF GYMPIE P.O.

1:100 000 sheet Number and Name: 9445 GYMPIE

Grid Reference: Zone 56 467613 mE 7101731 mN Latitude -26.2035 Longitude 152.6758 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1870 to 31-Dec-1913 15,700 tonnes HARD ROCK ORE (OR REEF)

GOLD BULLION 1,621.3 kilograms

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KIN KIN SUBPROVINCE	Rammutt Formation / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK	VEIN
DETAILED OREBODY MODEL	LOW SULPHIDE AU-QUARTZ VEINS (MOTHER LODE VEINS)	

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

All production for the 'Wilmot Extended' lease is grouped here. Wilmot (or Middle), Russell, Western, Banana & Monkland reefs were worked. Wilmot reef was very rich in an area 30m N of a crosscourse reef in a narrow zone above & below the graphitic shale.
The Wilmot and Russell reefs carried fair to good gold where they contacted the shale, but these reefs could not be identified at lower levels. The Western reef, west of the Wilmot (or Middle) reef, broke up into numerous small leaders with a little gold.
These became richer approaching the 'Phoenix, No.2 South' lease boundary to the south. By 1913, the results were poor and the lease was sold to McLeods New Wilmot G.M. Company. The mine was idle in 1914-1915.

Web Page

www.bukagold.com.au

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42683 **WINDERMERE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 18.5 KM WNW OF RAVENSHOE, 80KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 320630 mE 8056714 mN Latitude -17.5688 Longitude 145.3099 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Western Deposit

Windermere Prospect

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN
IRON	VERY SMALL	<5 000 tonnes FE
MAGNETITE	VERY SMALL	<50 000 tonnes MT

Production Details

Published Reserves/Resources

BR 10409 Published in 2014 **WINDERMERE**

INDICATED MINERAL RESOURCE 829,000 tonnes Ore @ 0.26 % TIN **FOR** 2,155 Tonnes TIN

Comments/Cut Off Factor: 0.25% Sn Equiv

BR 10409 Published in 2014 **WINDERMERE**

INFERRED MINERAL RESOURCE 1,211,000 tonnes Ore @ 0.27 % TIN **FOR** 3,269 Tonnes TIN

Comments/Cut Off Factor: 0.25% Sn Equiv

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10409	2014	CONSOLIDATED TIN MINES LIMITED	ANNUAL REPORT 2014	ANNOUNCEMENT TO THE AUSTRALIAN STOCK EXCHANGE. 13 OCTOBER 2014. CONSOLIDATED TIN MINES LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	

Tenure Type/Number	SHARE	Company Name/Surname
MDL 381	100.00%	CONSOLIDATED TIN MINES LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	IRON SKARN
DETAILED OREBODY MODEL	TIN SKARN

Mineralisation Age

ORE	LATE CARBONIFEROUS

Comments

Massive magnetite-hematite-garnet skarn caps a small hill. Brooks (1954) estimated a resource of about 70 000 to 80 000t averaging 54.6% Fe and 6.1% Si.

February 2011. Consolidated Tin Mines Limited completed a 44 hole 2327 metre reverse circulation drill program with a best result of 13 metres @ 0.68% Sn and 37.2% Fe, from 35m in hole 148.

June 2011. Drilling was designed to upgrade the current resource by drilling outside and defining high grade zones. Best results are: hole 188, 2m@ 2.7% Sn from surface, 4m@1.16% Sn from 4m, hole 148, 15m@0.63% Sn from 35m.

Workings are on top of a small hill in massive magnetite-hematite ironstone skarn rocks that crop out over a width of 50-100m and a length of 250-2500m. The prospect has been investigated as a low-grade tin skarn, similar to the Gillian Prospect.

The prospect has been extensively costeaned. Connah (1954) estimated resources of 70,000 to 80,000t averaging 54.6% Fe and 6.1% Si in surface samples.

Web Page

www.consolidatedtinmines.com.au; www.metalsx.com.au

Queensland Minerals

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488927 **WINDOW**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 47.2KM N OF ROOKWOOD HOMESTEAD.

1:100 000 sheet Number and Name: 8851 ROOKWOOD

Grid Reference: Zone 55 788614 mE 7450071 mN Latitude -23.0327 Longitude 149.8161 Date Recorded: 22/February/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Published Reserves/Resources

BR 10414 Published in 2015

WINDOW

INFERRED MINERAL RESOURCE 225,600 tonnes Ore @

1.30 % COPPER **FOR** 2,932 Tonnes COPPER

0.80 % ZINC **FOR** 1,804 Tonnes ZINC

0.02 g/t GOLD **FOR** 4 Kilograms GOLD

0.00 g/t SILVER

Comments/Cut Off Factor: 1% Cu eq.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10414	2015	ZENITH MINERALS LIMITED	ASX ANNOUNCEMENT; 5TH FEBRUARY 2015; SIGNIFICANT RESOURCE UPGRADE - DEVELIN CREEK COPPER-ZINC-GOLD-SILVER DEPOSITS	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 5 FEBRUARY 2015. ZENITH MINERALS LIMITED.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17604	49.00%	FITZROY COPPER PTY LTD
EPM	17604	51.00%	KALICOAL PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GRANTLEIGH SUBPROVINCE	Rookwood Volcanics/v / EARLY PERMIAN to EARLY PERMIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
DETAILED OREBODY MODEL	VMS - CYPRUS STYLE CU-ZN

Mineralisation Age

ORE

Comments

Chalcopyrite massive sulphides and sulphidic breccias.

Web Page

www.iconresources.com.au

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494887 **WINSTON CHURCHILL**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 53.6 KM NE OF MOUNT ISA

1:100 000 sheet Number and Name: 6856 MARY KATHLEEN

Grid Reference: Zone 54 393352 mE 7725537 mN Latitude -20.5660 Longitude 139.9768 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Period: 1-Jan-1968 to 31-Dec-1973 8,389 tonnes HARD ROCK ORE (OR REEF)

COPPER	OTHER	935.3 tonnes	11.10 percent

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
SHAFTS	Main shaft is open, 2m long x 2.5m wide x >20m deep, 12m to water. Second shaft (air shaft) is 35m north-northwest of the main shaft. Third shaft is 85m south-southeast of the main shaft beside the track.
ADITS	Open portal is 70m north-northwest of main shaft, strikes 100 degrees.
UNDERGROUND MINING METHODS	The large amount of mullock suggests underground workings.

Tenure Type/Number		SHARE	Company Name/Surname
ML	2518	100.00%	QUEENSLAND MINING CORPORATION LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARY KATHLEEN DOMAIN	Argylla Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC
MARY KATHLEEN DOMAIN	Ballara Quartzite / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE	PALAEOPROTEROZOIC

Comments

Web Page

www.queenslandminingcorporation.com.au

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493201 **WINTER NO 1**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: APPROX 13KM SW OF KINGAROY, 280KM NW OF BRISBANE.

1:100 000 sheet Number and Name: 9244 KINGAROY

Grid Reference: Zone 56 375512 mE 7053945 mN Latitude -26.6298 Longitude 151.7494 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Morrissey'S

Commodities	Size	Size Definition
KAOLIN / KAOLINITE	SMALL	2 000 - 200 000 tonnes KAO

Production Details

Period:	1-Jul-1996	to	30-Jun-1997
KAOLIN / KAOLINITE			1,025.0 tonnes
Period:	1-Jul-1997	to	30-Jun-1998
KAOLIN / KAOLINITE			2,065.7 tonnes
Period:	1-Jul-1998	to	30-Jun-1999
KAOLIN / KAOLINITE			2,482.8 tonnes
Period:	1-Jul-1999	to	30-Jun-2000
KAOLIN / KAOLINITE			6,036.4 tonnes
Period:	1-Jul-2000	to	30-Jun-2001
KAOLIN / KAOLINITE			528.3 tonnes
Period:	1-Jul-2001	to	30-Jun-2002
KAOLIN / KAOLINITE			287.6 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	Mining currently restricted to eastern lease area.

Tenure Type/Number		SHARE	Company Name/Surname
ML	5685	100.00%	SIBELCO AUSTRALIA LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MAIN RANGE-LAMINGTON BASALT PROVINCE	Ts(w)-SEQ / TERTIARY to TERTIARY

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC KAOLIN

Mineralisation Age

ORE	TERTIARY

Comments

One of several kaolin mines operated by Unimin Australia Ltd to supply its Kingaroy processing plant.

Web Page

www.unimin.com.au

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40985 **WOLEEBEE NO1**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 28.9KM SW OF WANDOAN.

1:100 000 sheet Number and Name: 8845 WANDOAN

Grid Reference: Zone 55 778534 mE 7083895 mN Latitude -26.3377 Longitude 149.7905 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BENTONITE	SMALL	2 000 - 200 000 tonnes BENT

Production Details

Period: 1-Jul-2004 to 30-Jun-2005

BENTONITE	171,797.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	5900	100.00%	SIBELCO AUSTRALIA LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SURAT BASIN	Orallo Formation / EARLY CRETACEOUS to EARLY CRETACEOUS

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	JURASSIC to CENOZOIC

Comments

Web Page

www.unimin.com.au

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44093 **WOLFRAM AND TIN**

ABANDONED MINE

Descriptive Location: 2.8 KM E OF STANTHORPE.

1:100 000 sheet Number and Name: 9240 STANTHORPE

Grid Reference: Zone 56 398605 mE 6829976 mN Latitude -28.6533 Longitude 151.9625 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Phoenix Tin Mining Co.
Mount Marlay Co

Commodities	Size	Size Definition
TUNGSTEN	SMALL	5 - 500 tonnes W
TIN	VERY SMALL	<100 tonnes SN
MOLYBDENUM	VERY SMALL	<50 tonnes MO
BISMUTH	VERY SMALL	<50 tonnes BI

Production Details

73 tonnes KNOWN HISTORIC PRODUCTION

WOLFRAMITE	14.5 tonnes
CASSITERITE	5.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1883	to	1883	
1916	to	1916	
1951	to	1956	

Mining Operations	Comments
OPEN CUT MINING	
PITS	
SHAFTS	
TRENCHES	
DREDGING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
NEW ENGLAND BATHOLITH	Ruby Creek Granite / EARLY TRIASSIC to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE	MIDDLE TRIASSIC

Comments

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41110 **WONBAH**

ABANDONED MINE

Descriptive Location: 9.7KM NE OF MOUNT PERRY

1:100 000 sheet Number and Name: 9247 MOUNT PERRY

Grid Reference: Zone 56 363438 mE 7224865 mN Latitude -25.0857 Longitude 151.6458 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Tyrconnell
Wonbah Molybdenite
Lucky Last
The Last Chance

Commodities	Size	Size Definition
MOLYBDENUM	SMALL	50 - 5 000 tonnes MO
SILICA	VERY SMALL	<1 000 t SIO
LEAD	VERY SMALL	<1000 tonnes PB
ZINC	VERY SMALL	<200 tonnes ZN

Production Details

Period: 1-Jan-1914 to 31-Dec-1939 10,321 tonnes HARD ROCK ORE (OR REEF)

MOLYBDENITE	100.0 tonnes	0.97 percent
LUMP SILICA	248.0 tonnes	2.40 percent

Published Reserves/Resources

Company Report 4218 Published in 1972

INFERRED MINERAL RESOURCE 10,160 tonnes Ore @ 0.50 % MOLYBDENITE **FOR** 51 Tonnes MOLYBDENITE

Estimate only for below the No 3. level or 72m level.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1884	to	1914	Discovered in 1884 when original outcrop was quarried for ballast during construction of the Mount Perry railway. First worked in December 1914 by J Lane.
1916	to	1920	Worked by Wonbah Molybdendite Mining Company.
1921	to	1923	Lease idle; plant sold and removed.
1932	to	1933	Operated by Johns and Wood. Dewatered old shaft to 70.1m. White quartz sold to Bundaberg.
1935	to	1943	Operated by Johns, Schultz & party - sporadic operations (mine renamed Lucky Last).
1968	to	1968	Mine dewatered. Operations suspended after fatal accident.
1972	to	1972	Silver Valley Mineral NL dewatered old workings.

Mining Operations	Comments
OPEN CUT MINING	ORIGINAL WORKING
UNDERGROUND MINING METHODS	
SHAFTS	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOUTH EAST QLD VOLCANIC & PLUTONIC PROVINCE	Wonbah Granodiorite / LATE TRIASSIC to LATE TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	MOLYBDENITE-QUARTZ PIPES AND VEINS

Mineralisation Age

ORE	TRIASSIC

Comments

The aplite at Wonbah is decomposed and zoned. Coarse aplite/pegmatite occurs at the margins, with an altered feldspar-rich zone in the middle of the pipe.

The quartz gangue was worked for railway ballast in 1884. The mine was worked by the Wonbah Molybdenite Mining Company Ltd from 1916 to 1920. Silica chips, as well as molybdenite, were produced from 1936 to 1939. 5.4t of molybdenite was produced in 1938.

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493353 **WONDAI**

ABANDONED MINE

Descriptive Location: ON SE OUTSKIRTS OF WONDAI

1:100 000 sheet Number and Name: 9245 MURGON

Grid Reference: Zone 56 388355 mE 7088155 mN Latitude -26.3221 Longitude 151.8814 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Wondai Clay Pit

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jan-1951 to 31-Dec-1963 29,395 tonnes KNOWN HISTORIC PRODUCTION

BRICK CLAY 29,395.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1951	to	1965	May have operated outside this period but production recorded for this time period only.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
YARRAMAN SUBPROVINCE	Maronghi Creek beds / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	RESIDUAL DEPOSIT
DETAILED OREBODY MODEL	LATERITIC KAOLIN

Mineralisation Age

ORE	CENOZOIC

Comments

Web Page

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37030 **WONGA**

ABANDONED MINE

Descriptive Location: 11.7 KM ENE OF HERBERTON.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 339714 mE 8080669 mN Latitude -17.3538 Longitude 145.4915 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
BRICK CLAY	SMALL	2 000 - 200 000 tonnes BKCY

Production Details

Period: 1-Jan-1978 to 31-Dec-1989

BRICK CLAY	10,000.0 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	SEDIMENTARY CLAY DEPOSITS

Mineralisation Age

ORE	CENOZOIC

Comments

This clay pit was operating in 1989. The clay was used for brickmaking.

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37031 **WORLD'S FAIR**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 2.4KM EAST OF IRVINEBANK, 70KM SW OF CAIRNS.

1:100 000 sheet Number and Name: 7963 ATHERTON

Grid Reference: Zone 55 314518 mE 8072218 mN Latitude -17.4282 Longitude 145.2537 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	SMALL	100 - 1 000 tonnes SN

Production Details

Period: 1-Jan-1906 to 31-Dec-1977 996 tonnes HARD ROCK ORE (OR REEF)

CASSITERITE 19.3 tonnes

Published Reserves/Resources

Company Report 14454 Published in 1982 **WORLD'S FAIR**

INFERRED MINERAL RESOURCE 53,600 tonnes Ore @ 0.60 % CASSITERITE **FOR** 322 Tonnes CASSITERITE

Comments/Cut Off Factor: Resource reportedly grades 0.6 to 2% cassiterite.
resource grade between 0.6 and 2.0%. Field inspection indicates this resource figure may be inaccurate with insufficient work completed to define resource.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	
ADITS	

Tenure Type/Number	SHARE	Company Name/Surname
EPM 14741	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Hodgkinson Formation / EARLY DEVONIAN to LATE DEVONIAN

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	TIN VEINS (CORNISH-TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Mineralisation is shear-hosted.

Web Page

www.nqm.com.au

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478979 **WYANDOTTE**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 19 KM NORTH-WEST OF GREENVALE, 200KM NW OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7860 CONJUBOY

Grid Reference: Zone 55 277935 mE 7919410 mN Latitude -18.8051 Longitude 144.8929 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU

Production Details

Published Reserves/Resources

INFERRED MINERAL RESOURCE 175,000 tonnes Ore @ 2.30 % COPPER **FOR** 4,025 Tonnes COPPER

Comments/Cut Off Factor: Resource figure from application for renewal of MDL 63 (Lachlan Resources NL - 1994). Ref from MDL63 application for renewal, 7 (i).

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
PITS	
SHAFTS	

Tenure Type/Number **SHARE** **Company Name/Surname**

Currently untenured mineral deposit

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
THALANGA PROVINCE	Lugano Metamorphics / LATE CAMBRIAN to ORDOVICIAN

Deposit Model

GENERAL OREBODY MODEL	VOLCANIC HOSTED MASSIVE SULPHIDE
DETAILED OREBODY MODEL	VMS - CYPRUS STYLE CU-ZN

Mineralisation Age

ORE CAMBRIAN to ORDOVICIAN

Comments

This deposit has been described as a stratiform chalcopyrite-pyrite deposit in an east-dipping epidote-amphibole schist unit. Sulphide blebs are aligned with the foliation.

Web Page

www.metallicaminerals.com.au

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493706 **WYNBERG**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 131 KM E OF MOUNT ISA, 25.4 KM ESE OF CLONCURRY

1:100 000 sheet Number and Name: 7056 CLONCURRY

Grid Reference: Zone 54 473470 mE 7704616 mN Latitude -20.7579 Longitude 140.7451 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 8505 Published in 2007

INFERRED MINERAL RESOURCE 329,000 tonnes Ore @ 2.00 g/t GOLD **FOR** 658 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 8505	2007	KINGSGATE CONSOLIDATED LIMITED	KINGSGATE CONSOLIDATED LIMITED ANNUAL REPORT 2007	KINGSGATE CONSOLIDATED LIMITED

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	12409	100.00%	QUADRIO RESOURCES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
SOLDIERS CAP DOMAIN	Toole Creek Volcanics / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Web Page

www.kingsgate.com.au

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560067 **WYNDHAM**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 11KM NNE OF MOUNT GARNET

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 302314 mE 8055619 mN Latitude -17.5771 Longitude 145.1373 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
TIN	MEDIUM	1 000 - 100 000 tonnes SN

Production Details

Published Reserves/Resources

BR 6053 Published in 1999 **WYNDHAM DUMPS**

INFERRED MINERAL RESOURCE 3,000,000 cubic metres Ore @ 550.00 g/m*3 CASSITERITE **FOR** 1,650 Tonnes CASSITERITE

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6053	1999	TIN AUSTRALIA NL	PROSPECTUS.	TIN AUSTRALIA NL, PERTH.

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
DREDGING	

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAINOZOIC SEDIMENTARY COVER	

Deposit Model

GENERAL OREBODY MODEL	ALLUVIAL PLACER
DETAILED OREBODY MODEL	ALLUVIAL PLACER TIN

Mineralisation Age

ORE	CENOZOIC

Comments

Web Page

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495646 **YAAMBA**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 5 TO 20KM NORTH OF YAAMBA, 120KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8951 RIDGELANDS

Grid Reference: Zone 56 227799 mE 7440449 mN Latitude -23.1223 Longitude 150.3422 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Yaamba Magnesite

Commodities	Size	Size Definition
MAGNESITE	LARGE	>10 000 000 tonnes MS

Production Details

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
MDL	195	40.00%	QMC (KUNWARARA) PTY LIMITED
MDL	195	10.00%	QMC REFMAG PTY LTD
MDL	195	50.00%	QMCH PTY LTD
ML	80152	40.00%	QMC (KUNWARARA) PTY LIMITED
ML	80152	10.00%	QMC REFMAG PTY LTD
ML	80152	50.00%	QMCH PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
YAAMBA BASIN	Kunwarara Magnesite / TERTIARY to TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	NODULAR MAGNESITE

Mineralisation Age

ORE	TERTIARY

Comments

Web Page

Queensland Minerals

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493580 **YAAMBA OIL SHALE**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 30KM N OF ROCKHAMPTON.

1:100 000 sheet Number and Name: 8951 RIDGELANDS

Grid Reference: Zone 56 227686 mE 7451406 mN Latitude -23.0234 Longitude 150.3430 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Commodities	Size	Size Definition
OIL SHALE	LARGE	> 1 000 000 000 barrels OSH

Production Details

Published Reserves/Resources

BR 7037 Published in 2002

INDICATED MINERAL RESOURCE 1,700,000,000 tonnes Ore @ 91.00 l/t OIL **FOR** 700,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at zero % moisture.

BR 7037 Published in 2002

INFERRED MINERAL RESOURCE 3,500,000,000 tonnes Ore @ 101.00 l/t OIL **FOR** 1,600,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at zero % moisture.

BR 7037 Published in 2002

MEASURED MINERAL RESOURCE 1,200,000,000 tonnes Ore @ 97.00 l/t OIL **FOR** 500,000,000 Barrels Of Oil OIL

Comments/Cut Off Factor: 50L/t at zero % moisture.

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 7037	2002	SOUTHERN PACIFIC PETROLEUM NL	SOUTHERN PACIFIC PETROLEUM NL ANNUAL REPORT 2002	SOUTHERN PACIFIC PETROLEUM NL

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
MDL	302	10.00%	BELOBA PTY LIMITED
MDL	302	45.00%	CENTRAL PACIFIC MINERALS NL
MDL	302	45.00%	LAGUNA RESOURCES NL

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
YAAMBA BASIN	Yaamba beds / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

GENERAL OREBODY MODEL	SEDIMENT-HOSTED DEPOSIT
DETAILED OREBODY MODEL	OIL SHALE

Mineralisation Age

ORE	TERTIARY	Oil shale.

Comments

The oil shale sequence is located in the western two-thirds of the Yaamba Basin. The shale exceeds 500m in thickness in the centre of the basin but thins towards the margins.

Web Page

www.qer.com.au

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493707 **YANDAN**

CARE AND MAINTENANCE, ACTIVE PROSPECT

Descriptive Location: 25.0KM SSE OF SCARTWATER HOMESTEAD, 38KM WNW OF MOUNT COOLON

1:100 000 sheet Number and Name: 8255 SCARTWATER

Grid Reference: Zone 55 496914 mE 7644970 mN Latitude -21.2970 Longitude 146.9702 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

East Hill

Commodities	Size	Size Definition
GOLD	MEDIUM	5 - 50 tonnes AU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period:	1-Jan-1993	to	31-Dec-1996		
GOLD				BULLION	6,874.7 kilograms
Period:	1-Jul-1996	to	30-Jun-1997		
GOLD				FINE	1,240.7 kilograms
SILVER					115.6 kilograms
Period:	1-Jan-1997	to	31-Dec-1999		2,506,295 tonnes HARD ROCK ORE (OR REEF)
GOLD				FINE	3,400.0 kilograms
SILVER					567.6 kilograms
Period:	1-Jul-1999	to	30-Jun-2000		
GOLD				BULLION	70.9 kilograms
Period:	1-Jul-2000	to	30-Jun-2001		
GOLD				BULLION	93.3 kilograms
Period:	1-Jul-2002	to	30-Jun-2003		
GOLD				BULLION	7.3 kilograms

Published Reserves/Resources

BR 9374 Published in 2009

YANDAN (EAST HILL)

INFERRED MINERAL RESOURCE 4,100,000 tonnes Ore @ 2.40 g/t GOLD **FOR** 9,840 Kilograms GOLD

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9374	2009	DRUMMOND GOLD LIMITED	QUARTERLY ACTIVITIES REPORT FOR THE PERIOD ENDED 30 SEPTEMBER 2009.	REPORT TO THE AUSTRALIAN SECURITIES EXCHANGE. DRUMMOND GOLD LIMITED, BRISBANE.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1986	to	1991	Deposit was discovered by Western Mining Corporation Ltd in 1986 from follow-up of stream sediment sampling. Drilling and feasibility studies in 1987 and 1988 proved a mineable deposit. Mining leases granted in 1991.
1992	to	1993	Sold to Ross Mining NL in July 1992. Mining commenced in 1993. Entire CIP plant and village moved from Wirralie to Yandan. Mine brought on stream for capital cost of $9.7 million.
1993	to	1998	Mining operations ceased in December 1998, completing six years of profitable mining with a sound safety record. From 1997, Glen Eva ore was trucked to Yandan for treatment. Yandan and its satellite operations delivered 424 377oz of Au.
1999	to	1999	The Yandan CIP Plant poured its last gold bar in late April 1999 and was then relocated to Wirralie. Rehabilitation of the site progressed with the clay capping of the South Hill pit, which had been backfilled with sulphide waste.
2000	to	2003	Mine remained on care and maintenance, with minor gold production from the heap leach pads. Delta Gold NL took over Ross Mining in May 2000. Mine was later taken over by Aurion Gold Ltd and then, in August 2003, by Ashburton Minerals Ltd.

Mining Operations	Comments
OPEN CUT MINING	Open cuts at Main Hill, South Hill and East Hill.

Tenure Type/Number		SHARE	Company Name/Surname
ML	1095	100.00%	STRAITS GOLD PTY LTD
ML	1096	100.00%	STRAITS GOLD PTY LTD

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Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DRUMMOND BASIN	Saint Anns Formation / LATE DEVONIAN to EARLY CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	LOW SULPHIDATION EPITHERMAL

Mineralisation Age

ORE	EARLY CARBONIFEROUS	Mineralisation dated at 346+/-4Ma (Geoscience Australia OZMIN database).

Comments

Drill intersections announced for East Hill in October 2009 included 13m at 5.91g/t Au, 12.3m at 2.25g/t Au, 4m at 3.94g/t Au and 4m at 12.82g/t Au. High-grade intersections included 2m at 15.54g/t Au, 0.9m at 99.4g/t Au and 3m at 20.92g/t Au.

The Yandan deposit is a low sulphidation, quartz-adularia epithermal replacement type deposit. Mineralisation is strongly controlled by bedding-parallel permeability, as well as jointing, faulting and brecciation.

In December 2008, Drummond Gold Limited reached an agreement with Straits Resources Ltd to earn a 51% interest in the Yandan gold project.

Drilling by Straits Gold in 2005 intersected wide zones with high-grade epithermal veins between the East Hill pit and the South Hill Pit. Following completion of a data review, Drummond Gold drilled core holes into East Hill. Intersections from the first hole included 13m at 5.91g/t Au (including 3m at 20.92g/t Au), 2m at 9.96g/t Au and 1.9m at 48.12g/t Au.

Drilling has confirmed the presence of high grade mineralisation in the central portion of East Hill that may be amenable to underground mining.

Web Page

www.straits.com.au; www.drummondgold.com.au

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496458 **YARROL**

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 28KM SE OF MONTO, 115KM SW OF GLADSTONE.

1:100 000 sheet Number and Name: 9148 MONTO

Grid Reference: Zone 56 334339 mE 7234738 mN Latitude -24.9937 Longitude 151.3586 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Yarrol North Prospect
Yarrol Gold Prospect
Starlight Prospect
True Blue Prospect

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

BR 6088 Published in 1997 **CENTRAL RIDGE**

MEASURED - INDICATED - INFERRED MINERAL RESOURCE 273,500 tonnes Ore @ 1.54 g/t GOLD **FOR** 421 Kilograms GOLD

BR 6088 Published in 1997 **YARROL NORTH**

MEASURED - INDICATED - INFERRED MINERAL RESOURCE 878,000 tonnes Ore @ 1.50 g/t GOLD **FOR** 1,317 Kilograms GOLD

Comments/Cut Off Factor: 0.5g/t Au cutoff

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 6088	1997	STRIKE MINING NL	ACTIVITIES REPORT FOR THE QUARTER ENDING 30 SEPTEMBER 1997	

Major Mining Related Events

Year Commenced	Year Completed	Comments
1920		Area mined intermitantely around the 1920's from scattered shafts.
2006		Drilling planned for May 2006 (Diatreme Resources Limited).

Mining Operations	Comments
SHAFTS	Shafts mostly collapsed.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	8402	100.00%	MGT MINING LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
PERMO-TRIASSIC IGNEOUS PROVINCES	PRg/d-YARROL/SCAG / LATE PERMIAN to EARLY TRIASSIC

Deposit Model

GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)
DETAILED OREBODY MODEL	PORPHYRY CU-MO-AU

Mineralisation Age

ORE PERMIAN to TRIASSIC

Comments

Several exploration companies inculding Diatreme Resources & Amoco have drilled 141 diamond and reverse circulation holes totalling 14516 metres at the Yarrol Gold Prospect.
The mineralisation is porphyry style associated with a group of unnamed Permo-Triassic intrusions.

Web Page

www.diatreme.com.au

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493662 **YELLOW JACK**

MINERAL OCCURRENCE, INACTIVE PROSPECT

Descriptive Location: 43 KM SOUTH-SOUTH-WEST OF GREENVALE, 200KM WEST OF TOWNSVILLE.

1:100 000 sheet Number and Name: 7859 BURGES

Grid Reference: Zone 55 273807 mE 7860583 mN Latitude -19.3360 Longitude 144.8469 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Yellow Jack Gold Prospect

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Published Reserves/Resources

Company Report 30009 Published in 1998 **YELLOW JACK**

INDICATED MINERAL RESOURCE 490,000 tonnes Ore @ 1.86 g/t GOLD **FOR** 911 Kilograms GOLD

Comments/Cut Off Factor: To 50m vertical depth. Bottom cut 1g/t, no top cut, minimum 2m thickness. Estimate using existing 200m x 20m drilling

Company Report 30009 Published in 1998 **YELLOW JACK**

INFERRED MINERAL RESOURCE 314,000 tonnes Ore @ 0.67 g/t GOLD **FOR** 210 Kilograms GOLD

In addition to the indicated resource.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number		SHARE	Company Name/Surname
EPM	17321	100.00%	LAURA EXPLORATION PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
GRAVEYARD CREEK SUBPROVINCE	Quinton Formation / EARLY SILURIAN to SILURIAN

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	MESOTHERMAL VEINS, METAMORPHIC-RELATED (SLATE BELT VEINS)

Mineralisation Age

ORE	PALAEOZOIC

Comments

Mineralisation is concealed by several metres of alluvium and is associated with quartz veins and stockworks in micaceous arkose.

Web Page

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494891 **YOUNG AUSTRALIA**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 10 KM SOUTH-WEST OF KURIDALA, 117KM SE OF MT ISA.

1:100 000 sheet Number and Name: 6955 MALBON

Grid Reference: Zone 54 438473 mE 7640341 mN Latitude -21.3378 Longitude 140.4067 Date Recorded: 15/February/2017

Other Names for Deposit / Mine

Eastdrift
Young Australian
Young Australian Extended
Monitor

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG
COBALT	SMALL	10 - 1 000 tonnes CO

Production Details

Period:	1-Jan-1900	to	31-Dec-1958		275	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	18.3 tonnes	6.60 percent
Period:	1-Jan-1959	to	31-Dec-1962		907	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	117.4 tonnes	12.90 percent
Period:	1-Jan-1964	to	31-Dec-1967		173,143	tonnes HARD ROCK ORE (OR REEF)
COPPER				METAL	3,775.5 tonnes	
Period:	1-Jan-1994	to	31-Dec-1997			
COPPER				PLATE	350.0 tonnes	
Period:	1-Jul-1996	to	30-Jun-1997			
COPPER				PLATE	94.3 tonnes	
Period:	1-Jul-1997	to	30-Jun-1998			
COPPER				PLATE	12.0 tonnes	
Period:	1-Jul-2000	to	30-Jun-2001			
COPPER				PLATE	68.0 tonnes	
Period:	1-Jul-2001	to	30-Jun-2002			
COPPER				PLATE	207.0 tonnes	
Period:	1-Jul-2002	to	30-Jun-2003			
COPPER				PLATE	82.0 tonnes	

Published Reserves/Resources

BR 9619 Published in 2011 **EASTDRIFT**

INFERRED MINERAL RESOURCE 610,000 tonnes Ore @
0.80 % COPPER **FOR** 4,880 Tonnes COPPER

Comments/Cut Off Factor: 0.2% Cu cut-off grade
Eastdrift is located in nearby ML90084

BR 10576 Published in 2016 **YOUNG AUSTRALIA**

INDICATED MINERAL RESOURCE 1,100,000 tonnes Ore @
1.10 % COPPER **FOR** 12,100 Tonnes COPPER
2.40 g/t SILVER **FOR** 2,656 Kilograms SILVER
0.01 % COBALT **FOR** 110 Tonnes COBALT

Comments/Cut Off Factor: 0.2% Cu cut-off grade
YOUNG AUSTRALIAN (silver only mentioned in BR9619) no Au reported.

BR 10576 Published in 2016 **YOUNG AUSTRALIA**

INFERRED MINERAL RESOURCE 1,000,000 tonnes Ore @
0.80 % COPPER **FOR** 8,000 Tonnes COPPER
0.90 g/t SILVER **FOR** 900 Kilograms SILVER
0.00 % COBALT **FOR** 33 Tonnes COBALT

Comments/Cut Off Factor: 0.2% Cu cut-ff grade
YOUNG AUSTRALIAN (silver only mentioned in BR9619) no Au reported.

Resource figures listed above are JORC compliant.

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Published Reference ID	Year	Author	Title	Source
BR 10576	2016	QUEENSLAND MINING CORPORATION LIMITED	ANNUAL REPORT 2016	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 21 OCTOBER 2016. QUEENSLAND MINING CORPORATION LIMITED, SYDNEY.
BR 9619	2011	QUEENSLAND MINING CORPORATION LIMITED	YOUNG AUSTRALIAN - MAIDEN JORC RESOURCE	ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE, 03 FEBRUARY 2011. QUEENSLAND MINING CORPORATION LIMITED, SYDNEY.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1900	to	1908	Known then as the Monitor. Ball described some small-scale workings and reported that 65t of 30-40% Cu had been mined.
1955	to	1955	Production of 147t of 6% Cu (Brooks, 1957).
1967	to	1967	Mined by Mount Isa Mines Ltd
1994	to	1998	Electrometals Mining Ltd treated dump material by solvent extraction/electrowinning, using a pilot plant to demonstrate its electrowinning techniques. Feasibilty study for upgrading plant carried out in 1998.
2000	to	2002	Young Australia Resources recommissioned the SXEW plant to complete leaching the dumps estimated to contain approximately 600t of Cu. Mining ceased in 2002.
2003	to	2004	Rehabilitation of site.

Mining Operations	Comments
OPEN CUT MINING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	7511	100.00%	NORTH QUEENSLAND MINES PTY LTD
ML	7512	100.00%	NORTH QUEENSLAND MINES PTY LTD
ML	90084	100.00%	NORTH QUEENSLAND MINES PTY LTD
ML	90099	100.00%	NORTH QUEENSLAND MINES PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
MARIMO-STAVELEY DOMAIN	Answer Slate / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	PROTEROZOIC STRUCTURALLY-CONTROLLED COPPER-GOLD

Mineralisation Age

ORE	MESOPROTEROZOIC

Comments

Driiling results announced in October 2008 included 39m at 1.41% Cu and 792ppm Co from 80m (including 10m at 3.82% Cu and 1607ppm Co from 86m), 30m at 1.56% Cu from 46m and 24m at 1.35% Cu from 48m.
Initial resource estimates were released on 3 February 2011, with mineralisation remaining open along strike and at depth.
In December 2016 Queensland Mining Corporation announced that they have entered into an Option and Joint Venture Agreement with Teck Australia Pty Limited on the White Range copper project, giving Teck an option to earn 70% interest by 31 March 2017.

Web Page

www.queenslandminingcorporation.com.au

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494164 **ZELMA**

ABANDONED MINE, INACTIVE PROSPECT

Descriptive Location: 28 KM SE OF MACKAY, 315KM NW OF GLADSTONE.

1:100 000 sheet Number and Name: 8755 MACKAY

Grid Reference: Zone 55 738359 mE 7635922 mN Latitude -21.3630 Longitude 149.2986 Date Recorded: 28/January/2016

Other Names for Deposit / Mine

Mount Haden Project
Pinevale
Grasstree

Commodities	Size	Size Definition
GOLD	SMALL	0.5 - 5 tonnes AU

Production Details

Period:	1-Jan-1892	to	31-Dec-1901	9,200	tonnes HARD ROCK ORE (OR REEF)
GOLD			BULLION	60.0 kilograms	
Period:	1-Jan-1936	to	31-Dec-1939	1,200	tonnes HARD ROCK ORE (OR REEF)
GOLD			BULLION	58.0 kilograms	
Period:	1-Jan-1977	to	31-Dec-1977	500	tonnes HARD ROCK ORE (OR REEF)
GOLD			BULLION	7.2 kilograms	

Published Reserves/Resources

BR 9648 Published in 2005

ZELMA (MOUNT HADEN)

INFERRED MINERAL RESOURCE 51,000 tonnes Ore @ 7.50 g/t GOLD **FOR** 382 Kilograms GOLD

Comments/Cut Off Factor: 3g/t Au

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 9648	2005	BURDEKIN PACIFIC LTD	ANNUAL REPORT 2005.	BURDEKIN PACIFIC LTD, PERTH.

Major Mining Related Events

Year Commenced		Year Completed	Comments
1885	to	1885	Gold was discovered in ferruginous boulders on the banks of Cabbage Tree Creek.
1892	to	1892	Underground mining.
1893	to	1893	Opencut mining.
1936	to	1936	Re-opened as underground mine.

Mining Operations	Comments
SHAFTS	Shaft filled with debris.
OPEN CUT MINING	Elongate long opencut into hill side with main shaft in pit floor. Extensive revegetation.
PITS	
UNDERGROUND MINING METHODS	
STOPING	

Tenure Type/Number		SHARE	Company Name/Surname
ML	4739	100.00%	GOLD DREDGING PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
CAMPWYN SUBPROVINCE	Campwyn Volcanics / LATE DEVONIAN to EARLY CARBONIFEROUS
CAMPWYN SUBPROVINCE	

Deposit Model

GENERAL OREBODY MODEL	EPITHERMAL VEINS/PIPE/STOCKWORK	
DETAILED OREBODY MODEL	EPITHERMAL PRECIOUS METAL	HIGH SULPHIDATION EPITHERMAL
GENERAL OREBODY MODEL	INTRUSIVE-RELATED (PORPHYRY-RELATED)	PIPE
DETAILED OREBODY MODEL	PORPHYRY-RELATED AURIFEROUS SUBVOLCANIC BRECCIAS AND VEINS	

Mineralisation Age

ORE	LATE DEVONIAN to EARLY CARBONIFEROUS

Comments

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42696 **ZIG ZAG**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 21.5KM WNW OF RAVENSHOE.

1:100 000 sheet Number and Name: 7962 RAVENSHOE

Grid Reference: Zone 55 318014 mE 8056469 mN Latitude -17.5708 Longitude 145.2852 Date Recorded: 29/May/2015

Other Names for Deposit / Mine

Zig Zag Gold Prospect
Mount Scott

Commodities	Size	Size Definition
ANTIMONY	SMALL	50 - 5 000 tonnes SB
TUNGSTEN	VERY SMALL	<5 tonnes W
GOLD	VERY SMALL	<0.5 tonnes AU

Production Details

Period: 1-Jan-1950 to 31-Dec-1988 208 tonnes HARD ROCK ORE (OR REEF)

ANTIMONY 70.6 tonnes

Published Reserves/Resources

Resource figures listed above have been extracted from Company Annual reports or published literature.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations	Comments
OPEN CUT MINING	
UNDERGROUND MINING METHODS	
TRENCHES	

Tenure Type/Number		SHARE	Company Name/Surname
EPM	14742	100.00%	HERBERTON TIN PTY LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KENNEDY IGNEOUS ASSOCIATION	Go Sam Granite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	MESOTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	SIMPLE SB (QUARTZ-STIBNITE TYPE)

Mineralisation Age

ORE LATE CARBONIFEROUS

Comments

Web Page

www.nqm.com.au

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42213 **ZILLMANTON**

ABANDONED MINE, ACTIVE PROSPECT

Descriptive Location: 4.5KM WEST OF CHILLAGOE, 130KM WEST OF CAIRNS.

1:100 000 sheet Number and Name: 7763 MUNGANA

Grid Reference: Zone 55 231864 mE 8102969 mN Latitude -17.1422 Longitude 144.4797 Date Recorded: 12/January/2016

Other Names for Deposit / Mine

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
SILVER	VERY SMALL	<5 tonnes AG

Production Details

Period: 1-Jan-1899 to 31-Dec-1910 35,500 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 1,420.0 tonnes 4.00 percent

Period: 1-Jan-1910 to 31-Dec-1930 9,342 tonnes HARD ROCK ORE (OR REEF)

COPPER METAL 347.0 tonnes

SILVER 370.0 kilograms

Published Reserves/Resources

Company Report 3725 Published in 1971 **ZILLMANTON**

INFERRED MINERAL RESOURCE 260,000 tonnes Ore @ 2.70 % COPPER **FOR** 7,020 Tonnes COPPER

Resource occurs between RL150 and RL300 and lies between Reids Shaft and No2 shaft. Resource is based on only two drill intersections.

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source

Major Mining Related Events

Year Commenced		Year Completed	Comments
1888	to	1888	Discovery (Linedale, Moffat).
1899	to	1913	Main period of mining, with operations ceasing because of low Cu prices and flooding of the deepest workings.
1920	to	1920	
1930	to	1930	

Mining Operations	Comments
UNDERGROUND MINING METHODS	
PITS	
SHAFTS	up to 140m deep.
ADITS	

Tenure Type/Number		SHARE	Company Name/Surname
ML	4911	100.00%	MUNGANA GOLDMINES LTD

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
HODGKINSON PROVINCE	Chillagoe Formation / EARLY SILURIAN to EARLY DEVONIAN
KENNEDY IGNEOUS ASSOCIATION	Ruddygore Granodiorite / LATE CARBONIFEROUS to LATE CARBONIFEROUS

Deposit Model

GENERAL OREBODY MODEL	REPLACEMENT DEPOSIT
DETAILED OREBODY MODEL	COPPER SKARN

Mineralisation Age

ORE CARBONIFEROUS

Comments

Web Page

www.kagara.com.au

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589307

MINERAL OCCURRENCE, ACTIVE PROSPECT

Descriptive Location: 6KM SW OF WEIPA PORT, SOUTH OF EMBLEY RIVER MOUTH AND URQUHART POINT

1:100 000 sheet Number and Name: 7272 WEIPA

Grid Reference: Zone 54 589200 mE 8594600 mN Latitude -12.7117 Longitude 141.8216 Date Recorded: 17/January/2017

Other Names for Deposit / Mine

Urquhart
Area A
Urquhart Bauxite
Leithen Creek

Commodities	Size	Size Definition
BAUXITE	SMALL	100 000 - 100 000 000 tonnes BX

Production Details

Published Reserves/Resources

BR 10495 Published in 2016 **URQUHART AREA A DSB**

INDICATED MINERAL RESOURCE 3,900,000 tonnes Ore @ 3,900,000 Tonnes BAUXITE

Comments/Cut Off Factor: 48% Al2O3 (DSB) cut-off
53.3% Al2o3; 13.1% SiO2

BR 10495 Published in 2016 **URQUHART AREA A DSB**

INFERRED MINERAL RESOURCE 300,000 tonnes Ore @ 300,000 Tonnes BAUXITE

Comments/Cut Off Factor: 48% Al2O3 (DSB) cut-off
54.2% Al2o3; 11.3% SiO2

BR 10495 Published in 2016 **URQUHART AREA A DSB**

MEASURED MINERAL RESOURCE 3,000,000 tonnes Ore @ 3,000,000 Tonnes BAUXITE

Comments/Cut Off Factor: 48% Al2O3 (DSB) cut-off
54.4% Al2o3; 11.8% SiO2

Resource figures listed above are JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10495	2016	METALLICA MINERALS LIMITED	ASX ANNOUNCEMENT: SIGNIFICANT INCREASE IN VOLUME AND CATEGORY TO MINERAL RESOURCE FOR URQUHART BAUXITE PROJECT	ASX ANNOUNCEMENT 14 NOVEMBER 2016 BY METALLICA MINERALS LIMITED

Major Mining Related Events

Year Commenced	Year Completed	Comments

Mining Operations

Tenure Type/Number	SHARE	Company Name/Surname
Currently untenured mineral deposit		

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
KARUMBA BASIN	Bulimba Formation / EARLY TERTIARY to EARLY TERTIARY

Deposit Model

Mineralisation Age

Comments

The 2016 resouce estimate including AAI and RSi values at the 48% Al2O3 cut-off for DSB is: 9.5 Mt @ 52.8% Al2O3, 13.7% SiO2.
Available alumina (AAI) and reactive silica (RSi) were selectively sampled for intervals below 15% SiO2 or above 49.9% Al2O3.
The grades within the 15 DS bauxite prospective holes range from 49.46% to 55.2% aluminium oxide (Al2O3) for a high grade average of 53.4% Al2O3 and between 9.49% and 15.69% silicon dioxide (SiO2) for an average SiO2 content of 13.24%. (2015)
The Urquhart bauxite deposit is within the Bulimba Formation and has the potential for development as a small-scale, direct-shipping bauxite project (BR 10459).
The potential production of direct shipping bauxite (DSB) allows for expedited permitting and development of a relatively simple mining-truck-barge operation with low capital and operating costs. High alumina content (>50% AL2O3)
The 2015 resouce estimate including AAI and RSi values at the 45% Al2O3 cut-off for DSB is: 7.487 Mt @ 51% Al2O3, 16.3% SiO2.
Available alumina (AAI) and reactive silica (RSi) were selectively sampled for intervals below 15% SiO2 or above 48% Al2O3.

Web Page

http://www.metallicaminerals.com.au/

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Other Names for Deposit / Mine

Notlor North
Notlor South

Commodities	Size	Size Definition
COPPER	SMALL	500 - 50 000 tonnes CU
GOLD	VERY SMALL	<0.5 tonnes AU
COBALT	VERY SMALL	<10 tonnes CO

Production Details

Published Reserves/Resources

BR 10368 Published in 2013 **NOTLOR**

INFERRED MINERAL RESOURCE 426,000 tonnes Ore @
1.04 % COPPER **FOR** 4,430 Tonnes COPPER
0.52 g/t GOLD **FOR** 221 Kilograms GOLD

non JORC compliant resource quoted on Copperchem webpage

BR 10368 Published in 2013 **NOTLOR**

PROBABLE ORE RESERVE 426,000 tonnes Ore @
1.04 % COPPER **FOR** 4,430 Tonnes COPPER
0.52 g/t GOLD **FOR** 221 Kilograms GOLD

non JORC compliant resource quoted on Copperchem webpage

Resource figures listed above are NOT JORC compliant.

Published Reference ID	Year	Author	Title	Source
BR 10368	2013	COPPERCHEM LIMITED	COPPERCHEM LIMITED WEBPAGE; CLONCURRY PROJECT; RESOURCES AND RESERVES, MAY 2013	HTTP://WWW.COPPERCHEM.COM.AU/CLONCURRY.HTM

Major Mining Related Events

Year Commenced		Year Completed	Comments
1870	to	1890	Worked for gold on a small scale.

Mining Operations	Comments
OPEN CUT MINING	
SHAFTS	
PITS	Several.

Tenure Type/Number		SHARE	Company Name/Surname
EPM	13137	100.00%	COPPERCHEM LIMITED

Host Rock/Cover Sequences

Structural Unit	*Formation Name/Age*
DOHERTY-FIG TREE GULLY DOMAIN	Staveley Formation / PALAEOPROTEROZOIC to PALAEOPROTEROZOIC

Deposit Model

GENERAL OREBODY MODEL	HYDROTHERMAL VEINS/PIPE/STOCKWORK
DETAILED OREBODY MODEL	IRON-OXIDE CU-AU (-U-REE)

Mineralisation Age

ORE

Comments

In May 2013 CopperChem announced a non-JORC reserve and resource on their webpage: the uncatagorised reserves for Notlor are 426000 t at 1.04% Cu and 0.52 g/t Au and the uncatagorised resources are 426000t at 1.04% Cu and 0.52 g/t Au (BR10368).

Web Page

www.excoresources.com.au; http://www.copperchem.com.au/cloncurry.htm