



**ANGLO
AMERICAN**

Suite 1,16 Brodie Hall Drive
Bentley, WA, Australia, 6102.
PO Box 1067 Technology Park DC
Bentley, WA, Australia, 6983.
Tel: +61 8 6250 8100
Fax: +61 8 6250 8199

**Anglo American Exploration (Australia) Pty. Ltd.
A.C.N. 006 195 982**

**EPM16070
Clayhole Creek
Partial Surrender Report**

For the Period 14/03/2008 to 13/03/2010

Tenure Holder:	Anglo American Exploration (Australia) Pty Ltd
Tenement Operator:	Anglo American Exploration (Australia) Pty Ltd
Compiled By:	Kylie Dixon
Date:	June 2010

Distribution

***Department of Natural Resources and Mines Queensland - (1)
Anglo American Exploration (Australia) Pty Ltd – Perth Office (1)***

This report and its contents are confidential. All rights to the report and its contents (including, without limitation, rights to confidential information and copy right in all works (including photographs, diagrams, charts, maps and graphs) comprised in the report) remain the property of Anglo American Exploration (Australia) Pty Ltd. No part of this report nor of the information contained in it may be disclosed to any person without the consent of Anglo American Exploration (Australia) Pty Ltd. No part of this report nor of the information contained in it may be reproduced (including by being stored in any form), transmitted, published or used for any purpose without the consent of Anglo American Exploration (Australia) Pty Ltd.

SUMMARY

EPM16070, Clayhole Creek, originally covered an area of 116.8km² and is located within the Georgetown Inlier, Queensland. Anglo American Exploration Australia Pty Ltd (AAEA) was granted the tenement on 14th March 2008 for a period of five years. This tenement along with EPM15915, EPM15646 and the applications EPM17806, EPM17983, EPM18023 and EPM18056, make up the Lynd Project.

AAEA is seeking to discover significant NiS deposits in the Lynd area using a variety of magmatic NiS related empirical criteria and models.

The tenement area predominantly consists of Cambrian to Ordovician metasediments intruded by a Silurian mafic complex with minor Quaternary cover. The exploration target is a Voisey's Bay style NiS Deposit and the area has not seen NiS exploration. Anglo American has the rights to proprietary technology that the company believes will be able to detect massive NiS at significant depths.

During the reporting period exploration consisted of a Spectrem Airborne Geophysics Survey (TMI, EM and Radiometrics), 1:50,000 scale geological mapping and 1:50,000 scale regolith mapping over the surrendered portion of the tenement.

A total of 16 blocks were surrendered as part of the compulsory partial surrender and this report summarises the exploration activities conducted on the surrendered portion of EPM16070 for the reporting period 14th March 2008 to 13th March 2010.

Acknowledgement and Warranty

1. Subject to 2, the tenure holder acknowledges that this Report, including the material, information and data incorporated in it, has been made under the direction or control of the State of Queensland (the State) within the meaning of section 176 of the Copyright Act 1968 (Cwth).

2. To the extent that copyright in any material included in this Report is not owned by the State, the tenure holder warrants that it has the full legal right and authority to grant, and does hereby grant, to the State, subject to any confidentiality obligation undertaken by the State, the right to do (including to authorise any other person to do) any act in the copyright, including to:

- use;
- reproduce;
- publish; and
- communicate in electronic form to the public, such material, including any data and information included in the material.

3. Without limiting the scope of 1 and 2 above, the tenure holder warrants that all relevant authorisations and consents have been obtained for all acts referred to in 1 and 2 above, to ensure that the doing of any of the acts is not unauthorised within the meaning of section 29(6) of the Copyright Act (Cwth).

Keywords

Geographical (Greenvale)

Commodities (nickel, copper, PGE)

Ages (Proterozoic)

Geological Province (Georgetown Inlier, Tasman Orogenic Zone)

Exploration (Geology, Regolith, Aerial Geophysical Survey)

TABLE OF CONTENTS

SUMMARY	I
TABLE OF CONTENTS	III
1. INTRODUCTION	1
2. TENURE	1
3. REGIONAL GEOLOGY	2
4. EXPLORATION CONDUCTED	3
4.1 AERIAL GEOPHYSICS – SPECTREM AIR SURVEY	3
4.2 GEOLOGICAL MAPPING	3
4.3 REGOLITH MAPPING COMPILATION	4
5. CONCLUSION	4
6. REFERENCES	5

LIST OF TABLES

Table 1: Original Tenements Details	1
Table 2: Surrendered Graticular Block Details - EPM16070	1

LIST OF FIGURES

Figure 1	Lynd Project Tenement Location Plan
Figure 2	EPM16070 Tenement Surrender Plan (showing Surrendered Blocks)
Figure 3	Lynd Project EPM16070 Regional Geology - 1:250,000 Scale
Figure 4	EPM16070 Exploration Index Plan
Figure 5	EPM16070 Surrender Area - Spectrem Airborne Geophysics Survey Flight Lines
Figure 6	EPM16070 Geological Interpretation - 1:50,000 Scale
Figure 7	EPM16070 Surrender Area - Interpreted Regolith Geology - 1:50,000 Scale

LIST OF APPENDICES

Appendix I	Spectrem Survey of the Lynd Block 1 Area within EPM16070 Digital Data
Appendix II	Spectrem Survey of the Lynd Block 1 Area Amended Report for EPM16070 surrendered Area. Survey Report and Image Atlas

1. INTRODUCTION

EPM16070, Clayhole Creek is located 24 km southwest of the township of Greenvale and 215km west northwest of Townsville. Access to the tenement, from Townsville, is via the Gregory Development Rd that links Charters Towers to the Lynd Junction and then on station tracks. The tenement is on the Clarke River (SE55-13) 1:250,000 map sheet and the Burges (7,859) 1:100,000 map sheet.

AAEA was granted the tenement on 14th March 2008 for a period of five years. EPM16070 originally consisted of 36 graticular blocks covering an area of approximately 116km² within the Georgetown Inlier. A total of 16 blocks were surrendered as part of the compulsory partial surrender. This report summarises the exploration activities conducted on the surrendered portion of EPM16070 during the reporting period 14th March 2008 to 13th March 2010.

2. TENURE

The tenement EPM16070, was granted to AAEA on 14th March 2008 and originally consisted of 36 graticule blocks covering an area of 116km². The tenement details are in Table 1 below and the tenement location plan is presented as Figure 1.

Table 1: Original Tenements Details						
Tenement	Holder	Date Granted	Expiry Date	Original Area Km²	Original No Sub Blocks	No Blocks surrendered
EPM16070	AAEA	14/03/2008	13/03/2013	116.8	36	16

Table 2 and Figure 2 details the 16 graticular blocks that were surrendered.

Table 2: Surrendered Graticular Block Details - EPM16070.			
1:1,000,000 Plan Name	Primary Number	Graticular Section	No of Blocks
Townsville	2674	w	1
	2744	p u z	3
	2745	f g h j k l q v	8
	2746	a b f g	4
	TOTAL		

3. REGIONAL GEOLOGY

EPM16070 (part of the Lynd project) is located in northeast Queensland along the Tasman Orogenic zone, on the south eastern margin of the predominantly Palaeoproterozoic to Early Mesoproterozoic Georgetown Inlier (Figure 3). At this location Palaeoproterozoic rocks of the Georgetown inlier are in faulted contact with younger Ordovician to Carboniferous sediments of the Broken River Province further east (Fergusson *et al.*, 2007). Recent geological work has moved the western contact of the Tasman Orogenic zone from the Burdekin River Fault westward along the Lynd Mylonite Zone; the area between the two structural elements is named the Greenvale Province (Nishiya *et al.*, 2003 and Fergusson *et al.*, 2007).

The roughly N-S trending Balcooma Mylonite Zone and Nickel Mine Fault further divide the Greenvale Province between the Lynd Mylonite Zone and the Burdekin River Fault (Fergusson *et al.*, 2007). Early Palaeozoic metamorphic units and intrusions make up the majority of rocks in the Greenvale province (Whitnall *et al.*, 1991). The stratigraphy is younging towards the East from the Cambrian (486±5 to 477±6 Ma) Oasis Metamorphics and Lynwater complex west of the Balcooma Mylonite zone; the Ordovician (471±4 Ma) Balcooma Meta Volcanic Group and Silurian (431±7 Ma) Dido Tonalite East of the Balcooma Mylonite Zone (Whitnall *et al.*, 1991; Fergusson *et al.*, 2007). An increase in age is documented through the stratigraphy further east with the Ordovician Lugano Metamorphics, Cockiespring Tonalite, Eland Metavolcanics and Paddys Creek Phyllite west of the Nickel Mine Fault; through to the Cambrian Halls Reward Metamorphics located between the Nickel Mine Fault and the Burdekin River Fault (Fergusson *et al.*, 2007; Nishiya *et al.*, 2003).

The older units in the Greenvale province; Oasis Metamorphics, Lynwater Complex and Halls Reward Metamorphics, have been affected by amphibolite grade metamorphism related to the Cambrian Delamerian Orogeny (Fergusson *et al.*, 2007). Deposition of the Balcooma Volcanic group took place in a back-arc setting (Whitnall *et al.*, 1991). Subsequent amphibolite grade metamorphism during the Silurian to Early Devonian deformed the Balcooma Volcanic Group (Whitnall *et al.*, 1991). The emplacement of the Dido Tonalite, the focus of this study, is associated with this Silurian deformation event (Whitnall *et al.*, 1991). Later deformation produced the predominantly N-S trending foliation found in the Greenvale Province (Fergusson *et al.*, 2007).

The rocks to the west and centre within tenement EPM16070 comprise small intrusions of Gabbros within Dido Tonalite associated Diorites. The surrounding geology is composed of Granites to the east and folded Silurian – Early Devonian sediments are to the south bounded to the diorites by a major structural fault trending EEN-WWS. A large magnetic high and northward trending major faults as well as minor NE-SW trending faults are also situated in this area.

4. EXPLORATION CONDUCTED

Exploration completed during the reporting period 14/03/2008 to 13/03/2010, consisted of a Spectrem Airborne Geophysics Survey (TMI, EM and Radiometrics), 1:50,000 scale geological mapping and 1:50,000 scale regolith mapping over the surrendered portion of the tenement. The location of this activity is shown on the Exploration Index Plan in Figure 4.

4.1 Aerial Geophysics – Spectrem Air Survey

In late 2009, Spectrem Air Limited conducted an Airborne Electromagnetic, Magnetic and Radiometric survey over The Lynd - Block 1 area. The survey covered approximately 50% of EPM16070. and a total of 5,070 line km was surveyed for the whole of The Lynd - Block 1 area and 32.54 line km (Figure 5) was surveyed within the surrendered portion of EPM16070. The digital data is included in Appendix I, details of the survey, the system specifications, standard Spectrem Air data processing stream and an atlas of images are described and presented in Appendix II.

The aerial geophysics revealed that the thickness of the survey area varies 0 to around 70 meters cover. In most areas, the cover is relatively thin (i.e. probably less than 20 meters). However, within EPM16070, there were some areas where the cover was up to 70 meters thick with conductance values as high as 14 siemens.

4.2 Geological Mapping

The geology map of the Lynd project area was compiled at a scale 1:50,000 scale. The objective of the mapping was to get a better insight in the local geology and gain an understanding of the dimensions and geological setting of the mafic intrusives from within the Lynd Project. The mapping was compiled with the following datasets: AAEA aeromagnetic survey 1VD and RTP data; RTP open file aeromagnetic data; all geological data collected by AAEA during the course of the project; thin section analysis of all the drilling completed on the project and hand samples. The 1:50,000 scale geology map is presented as Figure 6.

4.3 Regolith Mapping Compilation

A 1:50,000 scale regolith map was compiled for the greater Lynd Project area from a range of data that included satellite images, radiometric data, aerial photography, Google Earth and ground traversing. The regolith map (Figure 7) was used to identify different soil types in the area and helped identify which areas are suitable for soil sampling (i.e. thin soils developed in situ over basement rocks) from areas where alternative exploration methods are required (i.e. transported soils and sand not conducive to soil sampling).

5. CONCLUSION

During the reporting period, exploration completed within the 16 surrendered blocks of the tenement included a Spectrem Airborne Geophysics Survey (TMI, EM and Radiometrics), 1:50,000 scale geological mapping and 1:50,000 scale regolith mapping. No significant anomalies or areas of prospectivity were reported from the exploration undertaken and so the decision was made to surrender 16 blocks from the southern half of the tenement.

6. REFERENCES

Clarke River 1:250,000 Geological Map Series. 1963, 1st Edition. Publ.: Geological Survey of Queensland. Prepared in collaboration with the Bureau of Mineral Resources, Geology and Geophysics, Department of National Development and Energy.

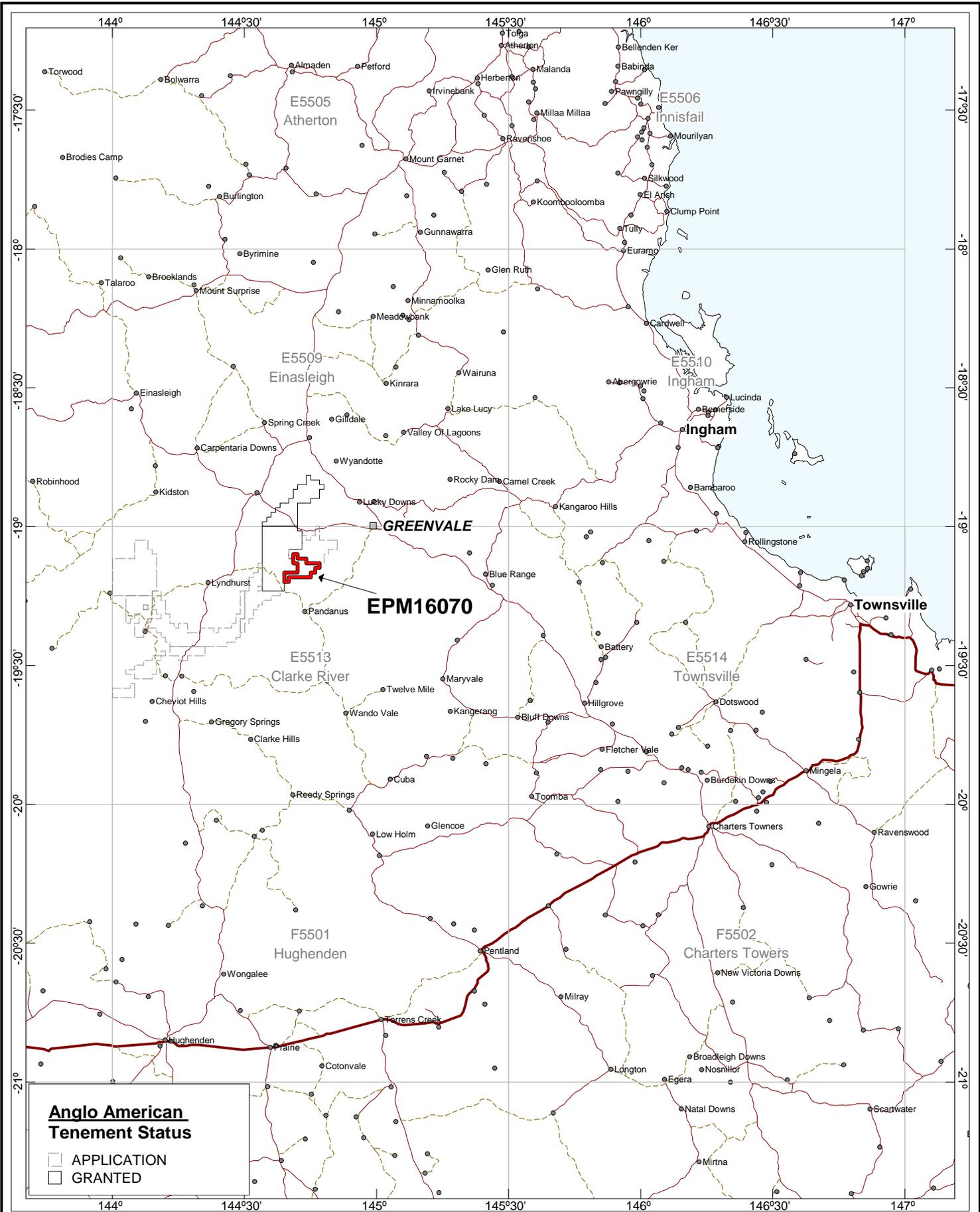
Fergusson, C.L., *et al* 2005. *Structure of the Early Palaeozoic Cape River Metamorphics, Tasmanides of north Queensland: evaluation of the roles of convergent and extensional tectonics.* Australian Journal of Earth Sciences 52, Number 2, pp. 261-277.

Fergusson, C.L., Henderson, R.A., Withnall, I.W., Fanning, C.M., 2007. *Structural history of the Greenvale Province, north Queensland: Early Palaeozoic extension and convergence on the Pacific margin of Gondwana.* Australian Journal of Earth Sciences 54, Number 4, pp. 573-595.

Nishiya, T., Watanabe, T., Yokoyama, K., Kuramoto, Y., 2003. *New Isotopic Constraints on the Age of the Halls Reward Metamorphics, North Queensland, Australia: Delamerian Metamorphic Ages and Grenville Detrital Zircons.* Gondwana Research 6, Number 2, pp. 241-249

Polito, P., Van Eijndthoven, W., Corscadden, B., Kennedy, T., & Mosey, B., 2008. *EPM16070 “Clayhole Creek” First Annual Report for the Period 14/03/2008 -13/03/2009.* AAEA Confidential Report to Queensland Department of Mines and Energy.

Dixon, K., 2009. *EPM16070 “Clayhole Creek” Second Annual Report for the Period 14/03/2009 -13/03/2010.* AAEA Confidential Report to Queensland Department of Mines and Energy.



**Anglo American
Tenement Status**

- APPLICATION
- GRANTED

LOCATION MAP

0 50 100
Kilometres

ANGLO AMERICAN

REGION: GEORGETOWN

PROJECT: LYND

DRAWING No: AUS_QLD_LYN_TN_12710_EPM16070.wor

AUTHOR:
K Dixon

COMPILED BY:
C Lucy

DATE:
01/06/2010

PROJECTION:
Long/Lat (WGS 84)

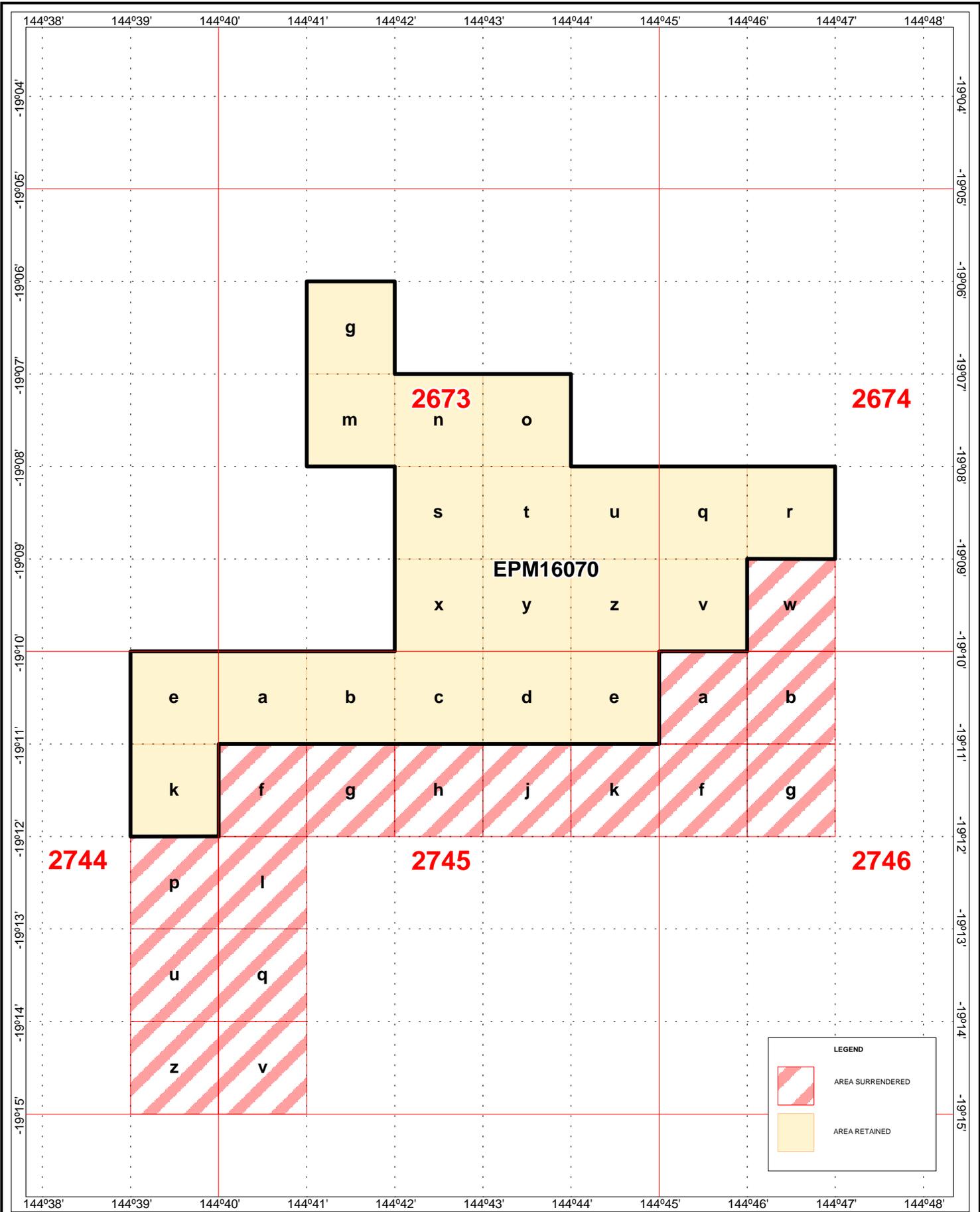
SCALE:
1:2,000,000

Figure 1

LYND PROJECT

EPM16070

TENEMENT LOCATION PLAN



LEGEND

 AREA SURRENDERED

 AREA RETAINED

LOCATION MAP



REGION: Georgetown
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_TN_13034.wor

AUTHOR:
K Dixon

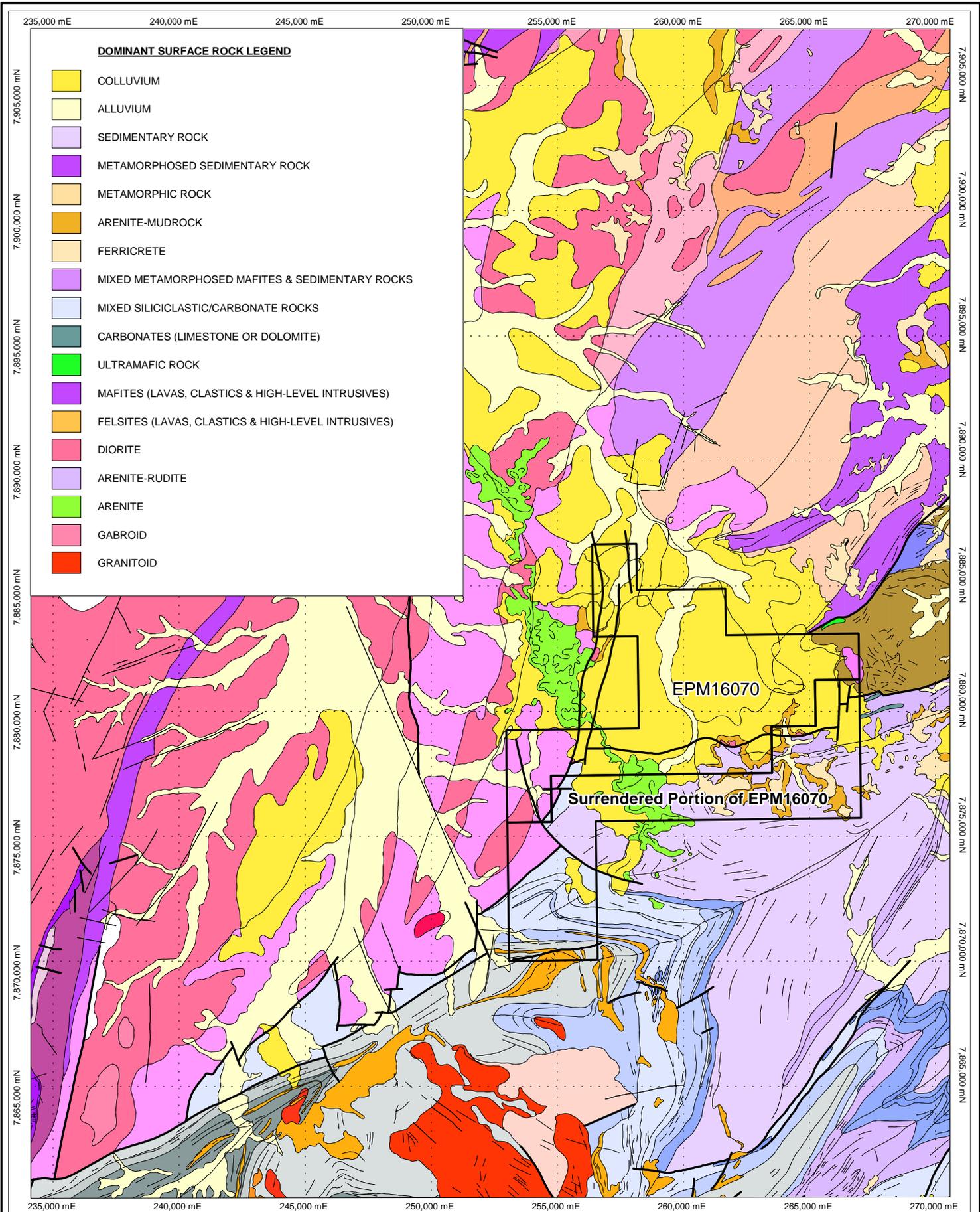
COMPILED BY:
C Lucy

DATE:
04/02/2010

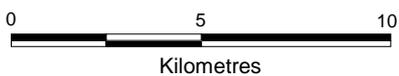
PROJECTION:
Long/Lat (AGD66)

SCALE:
1:100,000

Figure 2
LYND PROJECT
EPM16070
TENEMENT SURRENDER PLAN



LOCATION MAP



REGION: GEORGETOWN

PROJECT: LYND

DRAWING No: AUS_QLD_LYN_GP_12711_EPM16070.wor

AUTHOR:
K Dixon

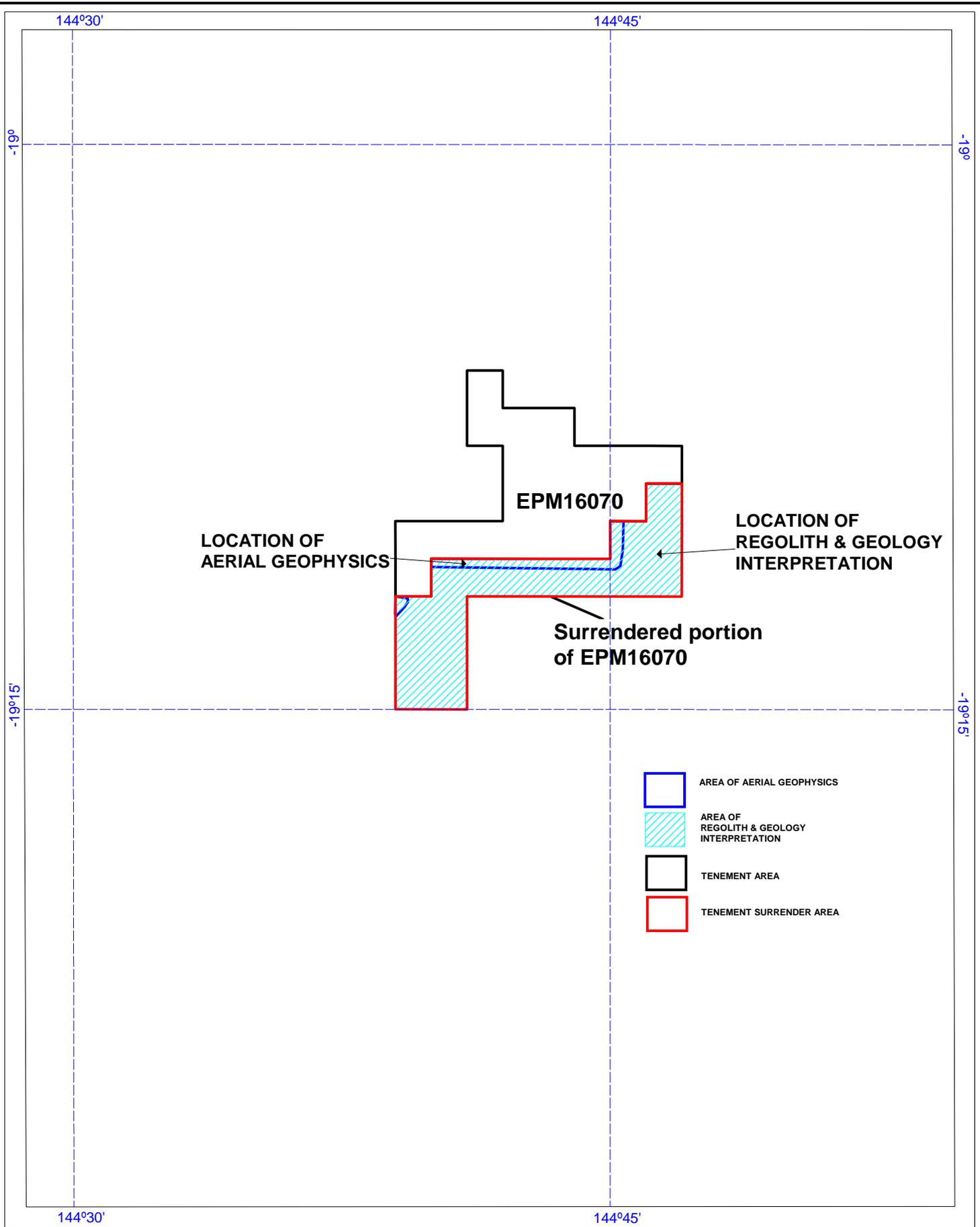
COMPILED BY:
C Lucy

DATE:
02/04/2009

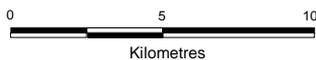
PROJECTION:
MGA (Zone 55)

SCALE:
1:200,000

Figure 3
LYND PROJECT
EPM16070 (portion surrendered)
REGIONAL GEOLOGY (QLD NRMW)



LOCATION MAP



REGION: GEORGETOWN

PROJECT: LYND

DRAWING No: AUS_QLD_LYN_GE_12950.wor

AUTHOR:
KD

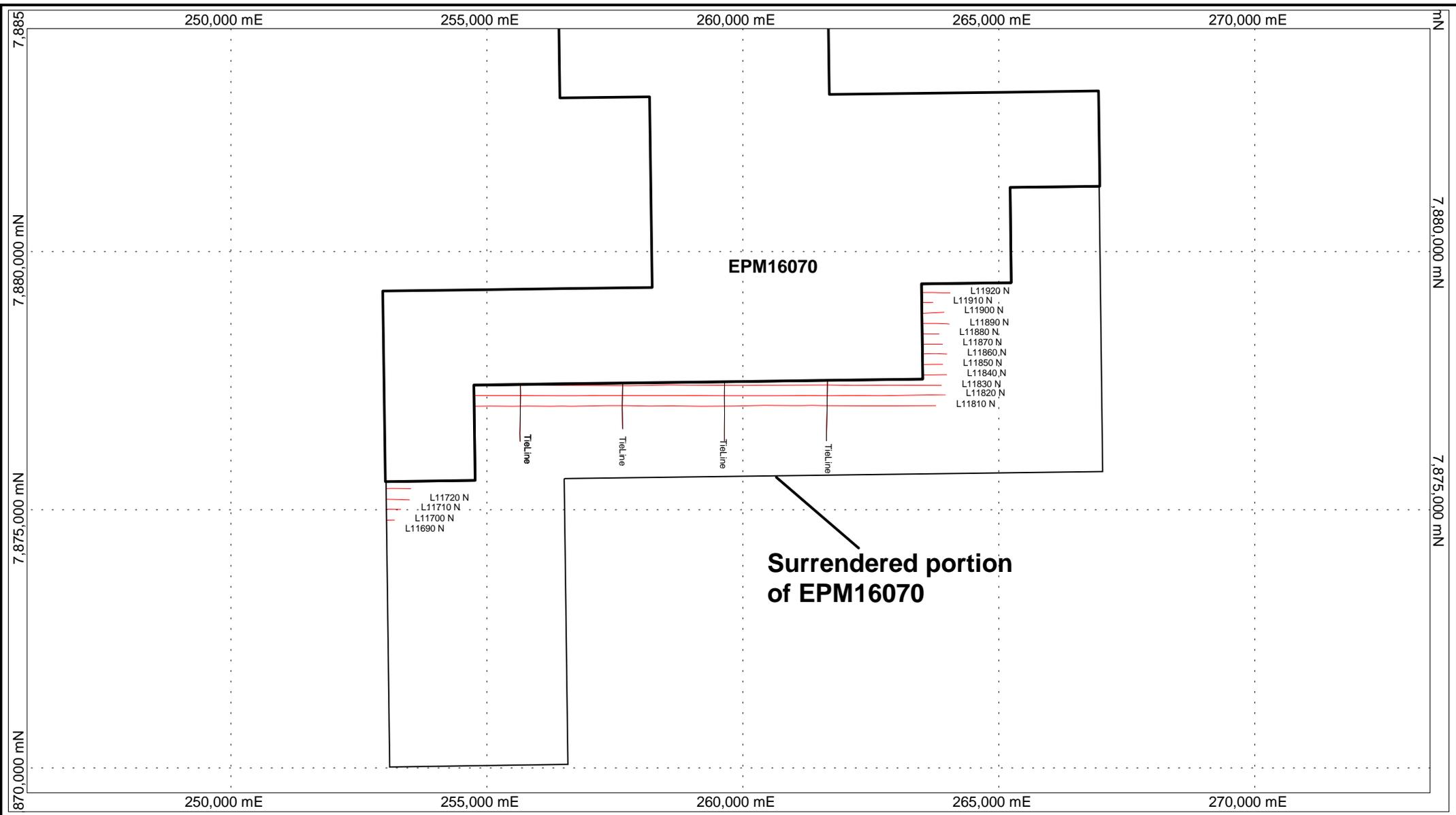
COMPILED BY:
KD

DATE:
June 2010

PROJECTION:
Long/Lat (AGD66)

SCALE:
1:250,000

Figure 4
LYND PROJECT
EPM16070 (portion surrendered)
EXPLORATION INDEX PLAN



LOCATION MAP



0 1 2 kilometres Scale 1:100,000



REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon

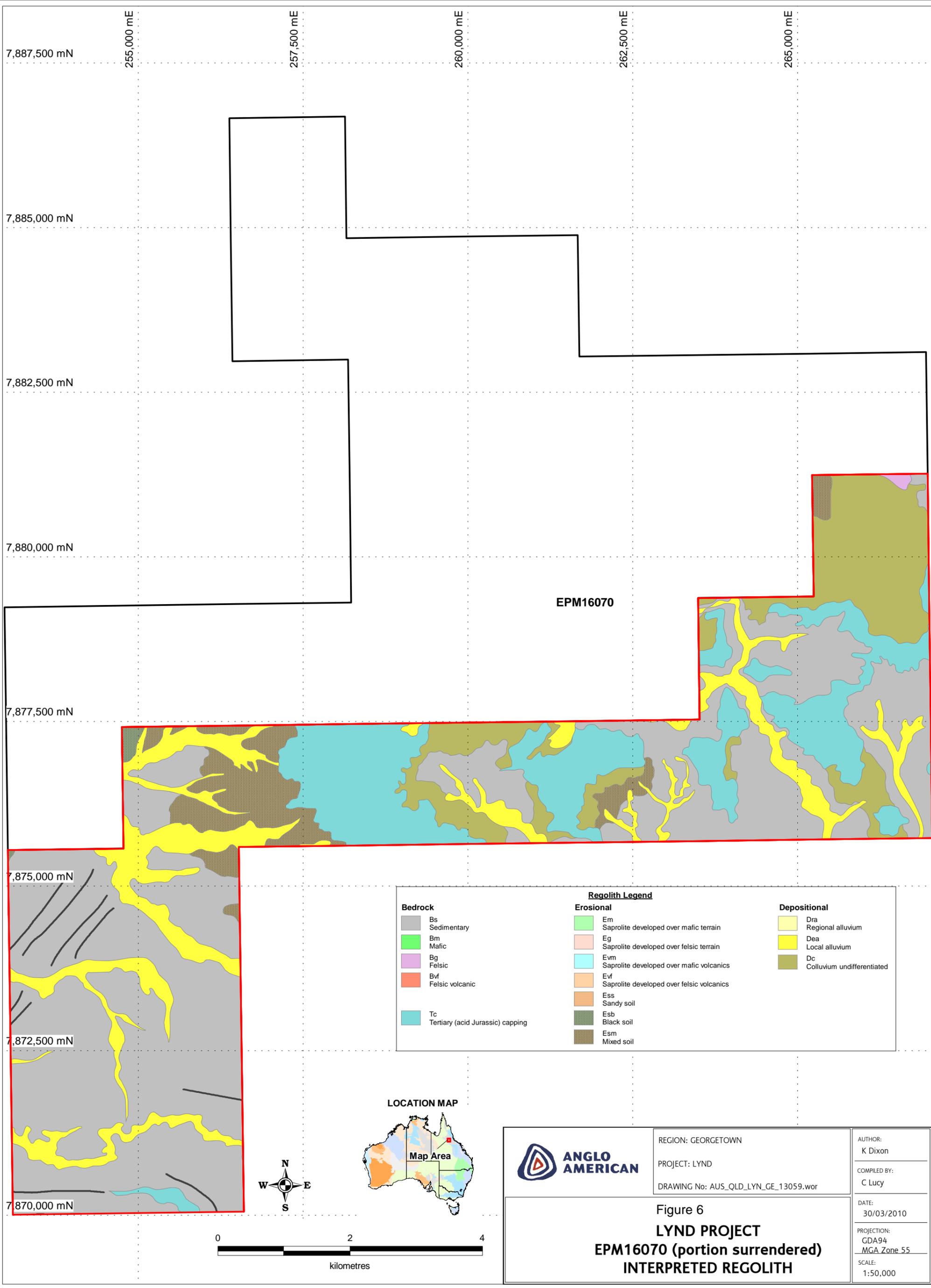
COMPILED BY:
K Dixon

DATE:
02/04/2009

PROJECTION:
MGA (Zone 55)

SCALE:
1:100,000

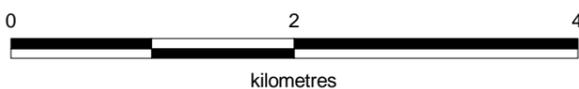
Figure 5
EPM16070 -SURRENDER AREA
SPECTREM AERIAL GEOPHYSICS SURVEY
Flight Lines



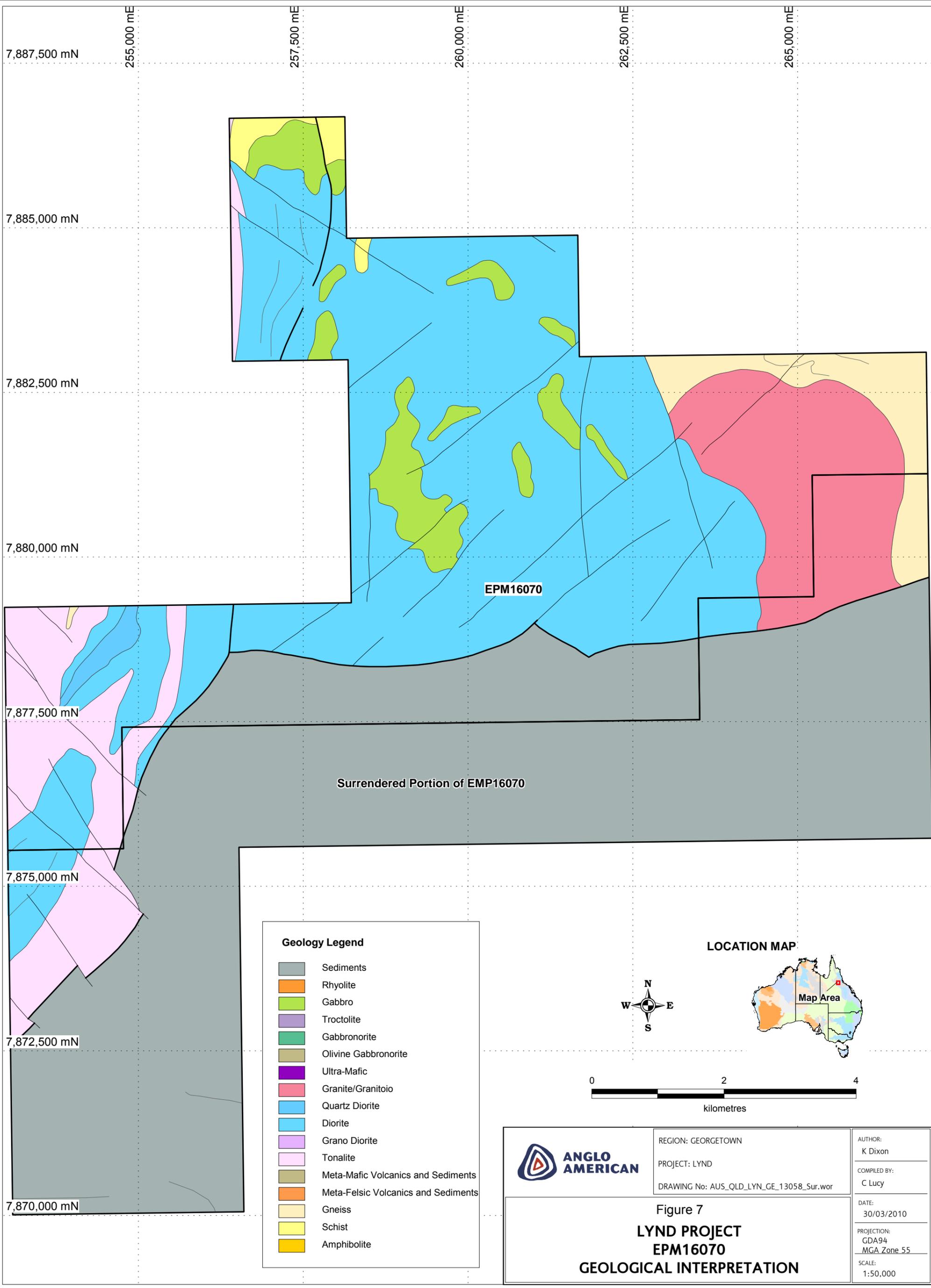
EPM16070

Regolith Legend		
Bedrock	Erosional	Depositional
<ul style="list-style-type: none"> Bs Sedimentary Bm Mafic Bg Felsic Bvf Felsic volcanic Tc Tertiary (acid Jurassic) capping 	<ul style="list-style-type: none"> Em Saprolite developed over mafic terrain Eg Saprolite developed over felsic terrain Evm Saprolite developed over mafic volcanics Evf Saprolite developed over felsic volcanics Ess Sandy soil Esb Black soil Esm Mixed soil 	<ul style="list-style-type: none"> Dra Regional alluvium Dea Local alluvium Dc Colluvium undifferentiated

LOCATION MAP



	REGION: GEORGETOWN PROJECT: LYND DRAWING No: AUS_QLD_LYN_GE_13059.wor	AUTHOR: K Dixon COMPILED BY: C Lucy
	Figure 6 LYND PROJECT EPM16070 (portion surrendered) INTERPRETED REGOLITH	
		DATE: 30/03/2010 PROJECTION: GDA94 MGA Zone 55 SCALE: 1:50,000



7,887,500 mN
 7,885,000 mN
 7,882,500 mN
 7,880,000 mN
 7,877,500 mN
 7,875,000 mN
 7,872,500 mN
 7,870,000 mN

255,000 mE
 257,500 mE
 260,000 mE
 262,500 mE
 265,000 mE

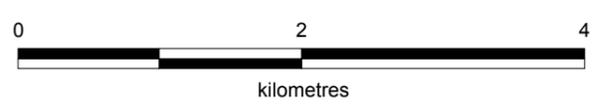
EPM16070

Surrendered Portion of EMP16070

Geology Legend

	Sediments
	Rhyolite
	Gabbro
	Troctolite
	Gabbronorite
	Olivine Gabbronorite
	Ultra-Mafic
	Granite/Granitoid
	Quartz Diorite
	Diorite
	Grano Diorite
	Tonalite
	Meta-Mafic Volcanics and Sediments
	Meta-Felsic Volcanics and Sediments
	Gneiss
	Schist
	Amphibolite

LOCATION MAP



	REGION: GEORGETOWN PROJECT: LYND DRAWING No: AUS_QLD_LYN_GE_13058_Sur.wor	AUTHOR: K Dixon COMPILED BY: C Lucy
	Figure 7 LYND PROJECT EPM16070 GEOLOGICAL INTERPRETATION	
		DATE: 30/03/2010 PROJECTION: GDA94 MGA Zone 55 SCALE: 1:50,000

APPENDIX I

**SPECTREM AIR LIMITED
SPECTREM SURVEY
OF
THE LYND- BLOCK 1 AREA
FOR SURRENDERED BLOCKS
ON EPM16070
(AUSTRALIA)**

AERIAL GEOPHYSICS

Digital Data

APPENDIX II

SPECTREM AIR LIMITED
SPECTREM SURVEY
OF
OF
THE LYND- BLOCK 1 AREA
FOR SURRENDERED BLOCKS
ON EPM16070
(AUSTRALIA)

Flight Survey Details Report
and
Image Atlas



SPECTREM AIR LIMITED

ANGLO AMERICAN EXPLORATION (AUSTRALIA)
PTY LTD

**SPECTREM SURVEY
OF THE LYND - BLOCK 1 AREA
(AUSTRALIA)**

December 2009

**AMENDED FOR EPM16070
SURRENDER BLOCKS**

KEYWORDS

**Lynd - Block 1, Australia, Anglo American Exploration (Australia) Pty Ltd,
SPECTREM, Airborne, Electromagnetic, Magnetic, Radiometric**

SUMMARY

In November 2009, Spectrem Air Limited conducted an airborne electromagnetic survey over the Lynd - Block 1 area.

Good data quality was achieved for this 25 Hz Lynd 1 survey with X9 and Z9 noise levels were fairly low at around 200 PPM.

Unfortunately despite a very careful examination of the Spectrem AEM data no good sulphide conductors were detected in the Lynd 1 area.

However a few poor conductors were detected. These AEM anomalies, which have been given a D or lower grade rating, should be integrated with the available geological / GIS information and reviewed with the Spectrem team if necessary.

CONTRIBUTORS

Phil Klinkert

Shawn Letts

Jaco Smit

Louis Polomé

CIRCULATION LIST

Copies of this report have been sent to:

- M Webb – Chief Geophysicists – AAEA (Perth)
- A Kneeshaw – Exploration Manager – AAEA (Perth)
- SPECTREM's Archive

CONTENTS PAGE

CONTRIBUTORS.....	II
CIRCULATION LIST.....	II
CONTENTS PAGE.....	III
LIST OF FIGURES	IV
1 INTRODUCTION.....	1
2 APPENDIX 1: SURVEY DETAILS WITHIN SURRENDERED BLOCKS OF EPM16070.....	4
2.1.1 Logistics.....	4
2.1.2 Datum.....	4
2.1.3 Survey Area Coordinates	5
3 APPENDIX 2: SYSTEM SPECIFICATIONS	6
3.1.1 EM system	6
3.1.2 Magnetic system.....	6
3.1.3 Positioning system.....	7
3.1.4 Other sensors	7
4 APPENDIX 3: DATA PROCESSING	8
4.1 Electromagnetic Processing	8
4.1.1 Aircraft Processing	8
4.1.2 Profile data	8
4.1.3 Apparent Conductivity	8
4.1.4 Grids.....	8
4.2 Magnetic Processing.....	9
4.2.1 Tie-line Levelling	9
4.2.2 Decorrugation	9
4.2.3 Micro-levelling	9
4.3 DEM processing	9
4.4 Radiometric Processing.....	10
5 APPENDIX 4: DELIVERABLES	11
5.1 Digital Products	11
5.1.1 Grids / Profile / Map Data.....	11
5.1.2 Report.....	11
6 APPENDIX 6: SOFTWARE VERSIONS	12

LIST OF FIGURES

Figure 1 - Survey Location.....	1
Figure 2 (amended) - An image of the EM Tau Z (LYND - Block 1) within EPM16070	2
Figure 3 (amended) - An image of the Total Filed Magnetic Intensity (LYND - Block 1) within EPM16070	3

1 INTRODUCTION

Between 10 to 21 November 2009, Spectrem Air Limited conducted an airborne electromagnetic, magnetic and radiometric survey over the Lynd Block 1 project in Australia. A total of 5 070 line kilometres were surveyed and **32.54 Line kilometres within the surrendered portion of EPM16070**. The general location of the survey is shown in Figure 1.

Details of the survey can be found in Appendix 1. The system specifications are presented in Appendix 2 and the standard Spectrem Air data processing stream is described in Appendix 3.

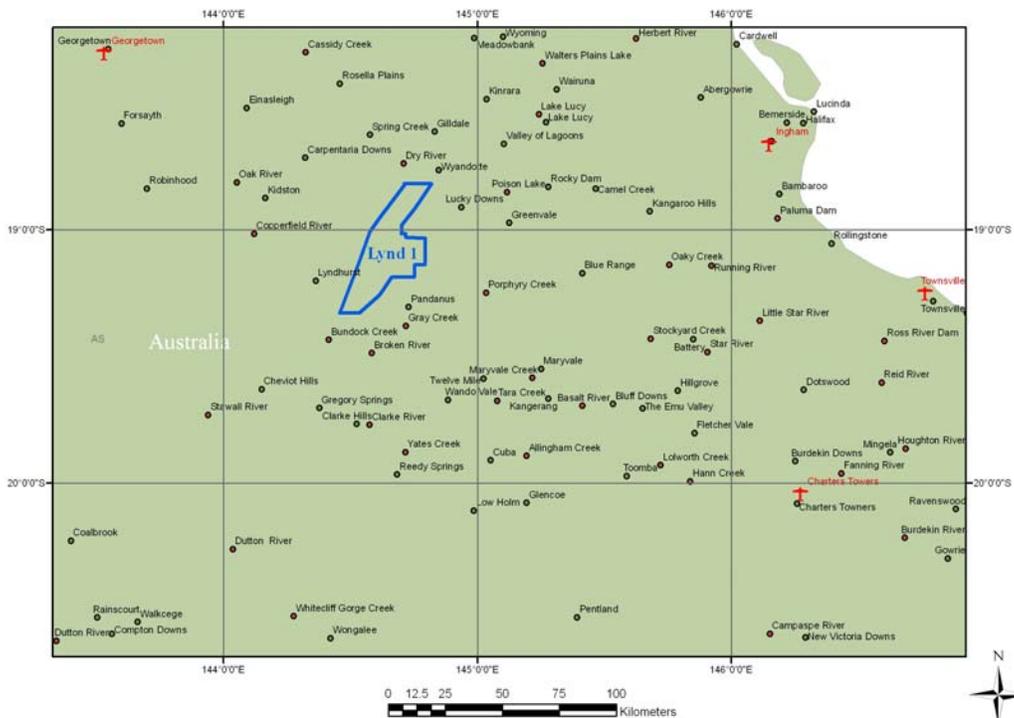


Figure 1 - Survey Location

A map of the total magnetic field (Figure 2) and of the conductivity Tau Z (Figure 3) of the Lynd Block 1 project within EMP16070 are shown below:

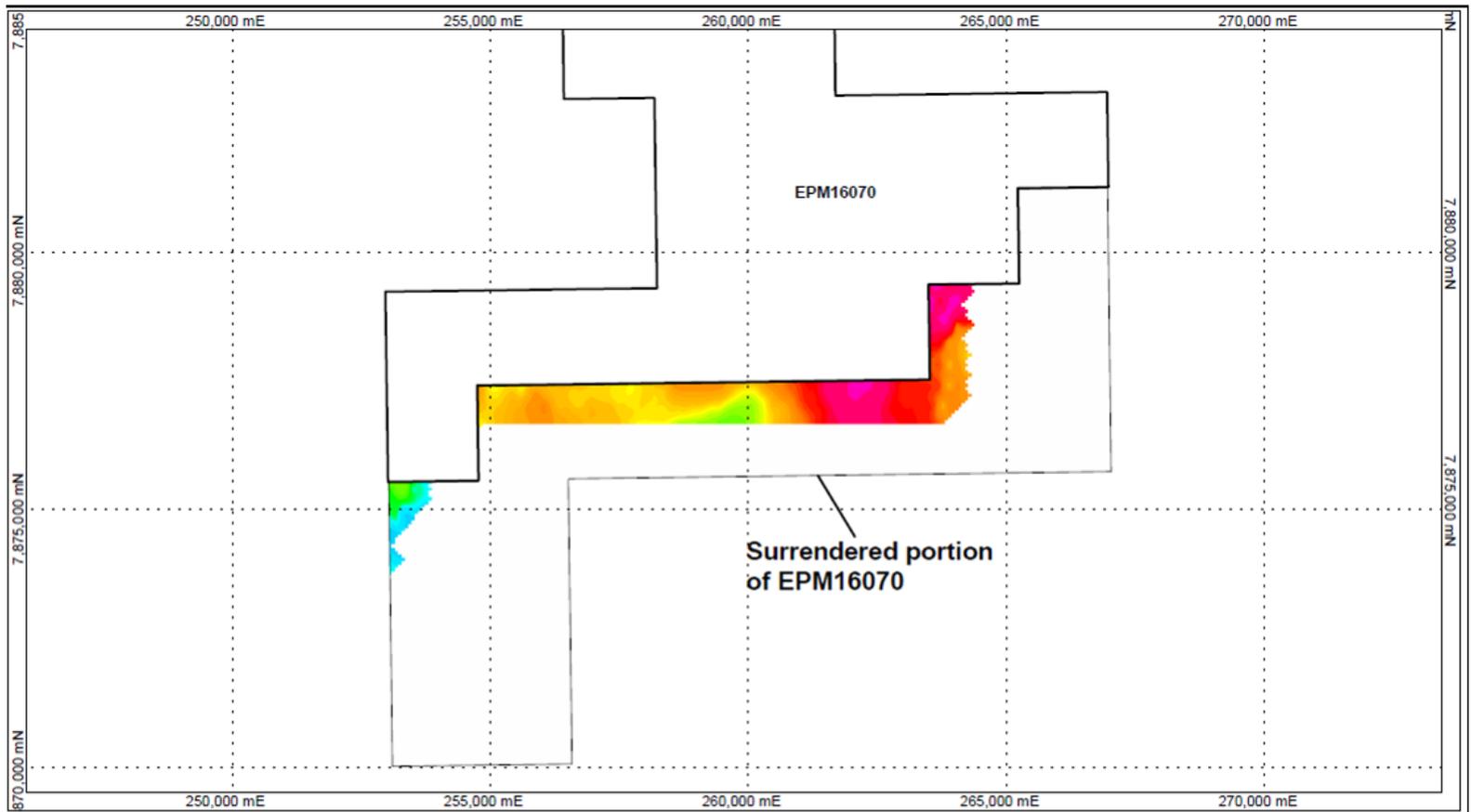


Figure 2 (amended) - An image of the EM Tau Z (LYND - Block 1) within EPM16070

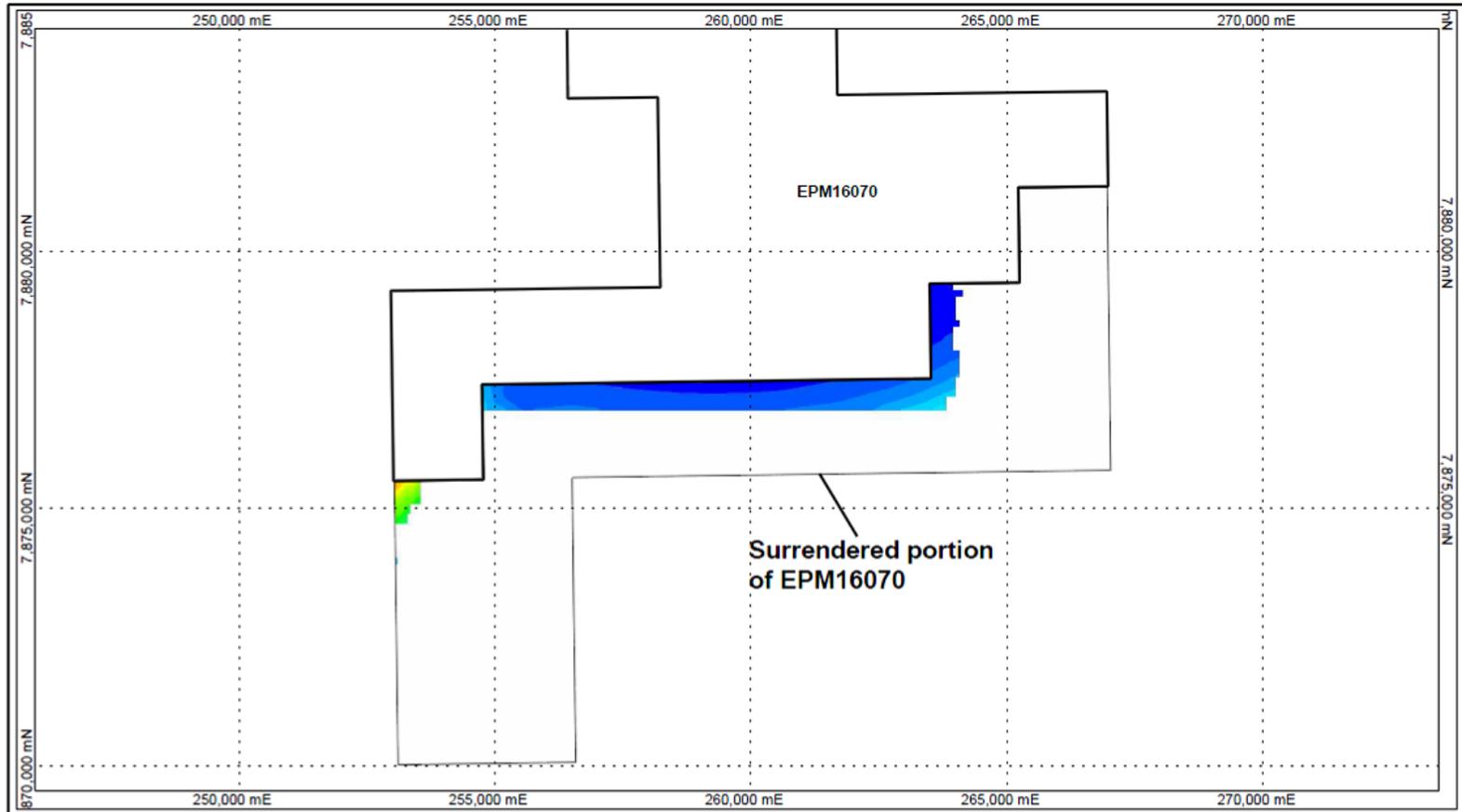


Figure 3 (amended) - An image of the Total Filed Magnetic Intensity (LYND - Block 1) within EPM16070

2 APPENDIX 1: SURVEY DETAILS **WITHIN SURRENDERED BLOCKS OF EPM16070**

2.1.1 Logistics

The specific details of the survey were as follows:

Base of operations	Ingam - Australia
Flying Dates	25 September to 06 November 2009
Survey type	Electromagnetic, magnetic, radiometric, terrain
Aircraft type	DC3 – TP67
EM Base Frequency	25 Hz
Nominal aircraft altitude	90 m
Nominal aircraft speed	60 m/s
Acceptable Kilometres flown: LYND - Block 1	5 070 line kilometres
Kilometres flown within EPM16070 surrendered Area	32.54 Line kilometres
Nominal flight-line spacing LYND - Block 1	200 m
Nominal flight-line direction: LYND - Block 1	90 degrees
Nominal tie-line spacing: LYND - Block 1	2 000 m
Nominal tie-line direction: LYND - Block 1	00 degrees

2.1.2 Datum

All coordinates provided in this report, in maps and in processed digital data-sets have the following datum parameters.

Datum	WGS84
Projection	UTM 55 S
Type	Transverse Mercator

2.1.3 Survey Area Coordinates

The corner coordinates of the survey **within the surrendered portion of EPM16070** were:

LYND - Block 1 within EPM16070 Surrendered Area	Easting (m)	Northing (m)
	264051	7879203
	263959	7877227
	263770	7877017
	254753	7877005
	254748	7877409
	263515	7877530
	263509	7879207
	253660	7875406
	253029	7874795
	253021	7875409

3 APPENDIX 2: SYSTEM SPECIFICATIONS

SPECTREM simultaneously takes electromagnetic, total field magnetic and radiometric measurements. Both the electromagnetic and magnetic sensors are towed behind the aircraft in “birds” while the radiometric crystals are installed inside the cabin. The geometry of the system is shown below in Figure 2. Other system specifications are listed below.

3.1.1 EM system

Transmitter height above ground	107 m
Tx – Rx vertical separation	37.1 m
Tx – Rx horizontal separation	122.9 m
Transmitter coil axis	Vertical
Receiver coil axes	X : horizontal, parallel to flight direction Y : horizontal, perpendicular to flight Z : vertical, perpendicular to flight direction
Current waveform	Square wave
Base frequencies for this survey	25 Hz
Transmitter loop area	420 m ²
RMS current	920 to 960 amperes
RMS dipole moment	386 400 to 403 200 A.m ²
Recording Rate	5 Hz
Window distribution	Pseudo-binary
Digitising rate	38 400 Hz /component
Window Times for 25 Hz	

Frequency	Window	Window Center	Window Width (us)
25	1	26.0	26.0
25	2	65.1	52.1
25	3	143.2	104.2
25	4	299.5	208.3
25	5	612.0	416.7
25	6	1237.0	833.3
25	7	2487.0	1666.7
25	8	4987.0	3333.3
25	9	9987.0	6666.7
25	10	16653.6	6666.7

3.1.2 Magnetic system

Bird height above ground	71 m
Bird location	19 m below and 41 m behind centre of
Sensor	Scintrex CS-2 Sensor with SPECTREM Counter/Sync System
Recording Rate	5 Hz
Sensitivity	0.01 nT
Resolution	0.1 nT

3.1.3 Positioning system

Sensor	Novatel OEMV-3 GPS receiver with Fugro Omnistar differential corrections
Recording Rate	5 Hz

3.1.4 Other sensors

Radar Altitude	Collins with 5 Hz sampling with 0.3 m
Laser Altitude	Riegl with 5 Hz sampling with 0.03 m
Barometric Pressure	Rose Mount with 1 Hz sampling
Temperature (OAT)	PT-100 RTD with 1 Hz sampling
Analogue Chart Recorder	RMS GR-33

4 APPENDIX 3: DATA PROCESSING

The EM data were processed in Johannesburg using Oasis Montaj and proprietary software.

4.1 Electromagnetic Processing

4.1.1 Aircraft Processing

Some of the most important EM data processing was carried out on the aircraft as it acquired the data. The first processing stage was stacking the data to 512 samples. The data was then deconvolved to remove system response and transformed to a square wave. A square transmitter waveform was chosen as a periodic approximation of the step response.

In the next stage of processing the data was binned into 8 channels or windows. As the SPECTREM system makes its measurement while the transmitter is switched on, it is necessary to separate the primary (transmitted) field from the (induced) secondary field. The assumption is made that the induced field will have decayed to a minimal amount at the time the last channel is sampled. As the last channel only measured the primary field, it can be subtracted from the other channels to separate the secondary field. Hence there are actually 8 channels with geological information in the final data.

4.1.2 Profile data

The spikes in the line data have been removed using a 3 point Naudy filter. The line data have also been drift corrected and micro-levelled. The drift is particularly noticeable on the later time channels and has been applied to channels 4 to 8. This is an iterative process, with the assumption that there is a constant drift on a single line. This is reasonable if the lines are short. The processing steps are:

- The channel data are clipped retaining the data in the resistive areas where the response should be close to zero.
- The average of the clipped data is then calculated and subtracted from the channel data.

The steps are then repeated, refining the correction.

Decorrugation and micro-levelling has been applied to all the channels to reduce small residual errors that have not been corrected through the drift correction method.

4.1.3 Apparent Conductivity

The apparent conductivity was calculated from its channel amplitudes and the aircraft height. An apparent conductivity is the conductivity of a half space that would produce an amplitude equivalent to the measured response. It is useful in providing a physically sensible unit and partially compensates for aircraft ground clearance variations. The unit for apparent conductivity is milliSiemens/meter.

4.1.4 Grids

The data were gridded using an Akima spline. System lag was corrected before gridding.

A decorrugation filter was applied to reduce the herringbone effects created by geometrical asymmetry inherent in AEM systems

4.2 Magnetic Processing

The leveling processing included:

- Tie-line levelling
- Decorrugation
- Micro-levelling

4.2.1 Tie-line Levelling

Tie line levelling is used to remove the diurnal variation and errors due to instrument drift, both are assumed to vary slowly over time.

Tie-line levelling is an iterative process:

- Calculate the mis-closures at the crossover points of the tie and traverse lines. The mis-closure is the difference between the magnetic value on the tie line and the traverse line. The mis-closures are weighted by the gradient of the total field at the crossover point.

$$Weight = \frac{1}{e^{(0.1 \times gradient)}}$$

- The error is approximated by a piecewise polynomial as a function of time along a flight and then along a tie line.

These steps are repeated until a good fit has been obtained.

4.2.2 Decorrugation

This is a grid based operation designed to reduce the residual errors that the tie-line leveling does not remove. These are due to inaccuracies in the crossovers, localised diurnal activity, and local altitude variations.

Elongated anomalies with the following characteristics are removed:

- 2 times the line spacing perpendicular to the line direction
- 2 times the tie line spacing parallel to the line direction
- small dynamic range

4.2.3 Micro-levelling

Applies the corrections made to the grid to the profile data and thereby enhances the line data by removing the final residual errors. The micro-levelled data are then gridded. The lag correction is 40m.

4.3 DEM processing

Initially, the GPS height and the radar altimeter channels are visually inspected and any spikes or discontinuities are removed. A Low Pass or Naudy Filter is then applied to both channels. The GPS height channel is then gridded and the resultant grid is checked. Due to the nature of the GPS data, it is normally necessary at this stage to perform some degree of decorrugation on the grid with the corrections then written back to the database.

The radar altimeter channel is then subtracted from the corrected GPS height channel in the database and the resultant channel is gridded and verified.

4.4 Radiometric Processing

The processing of the radiometric data uses the full 256 channel spectra for most of the corrections. This processing allows us to use the information from the full spectrum to enhance the regions of interest in the spectrum, namely, potassium, uranium and thorium.

5 APPENDIX 4: DELIVERABLES

5.1 Digital Products

5.1.1 Grids / Profile / Map Data

(Grids supplied in Geosoft format)

	Grids	Line Data	Maps
<u>EM Data</u>			
EMX1 to EMX8 / EMZ1 to EMZ8	Y	Y	-
Tau X or Tau Z	Y	-	Y
Anomaly Map	N/A	N/A	N/A
Conductivity Grids at Various Depths	-	-	-
<u>TF Magnetic Data</u>			
TFMI	Y	Y	Y
<u>Terrain</u>			
DEM	Y	Y	-
<u>Radiometric Data</u>			
TC, K, U, Th	Y	Y	-
<u>CDI Data</u>			
CDI Data - Individual Lines (All lines & Tie Lines)	-	Y	-
Conductivity 3D Voxel Model	-	-	-
<u>Interpretation</u>			
Preliminary Geological Interpretation	-	-	-

5.1.2 Report

- Logistics report.

6 APPENDIX 6: SOFTWARE VERSIONS

SpecDAS acquisition	1.16
Spectrem processing - SDALOG	1.06
Spectrem processing - SDASPEC	4.01
Spectrem processing - LEVEL	1.03
Autopick	EMPICK 1.03
Geosoft	6.3 (30) HF2
CDI	1.00

AAEA Lynd Ni-Cu-PGE project North Queensland



**First Pass Spectrem Survey Results: Lynd Block 1
EPM16070 Surrendered Area**

LIST OF IMAGES

1. Flight Lines
2. Cover
3. DTM

TIME CONSTANT (Tau)

4. Tau X
5. Tau Z

MAGNETICS (TMI)

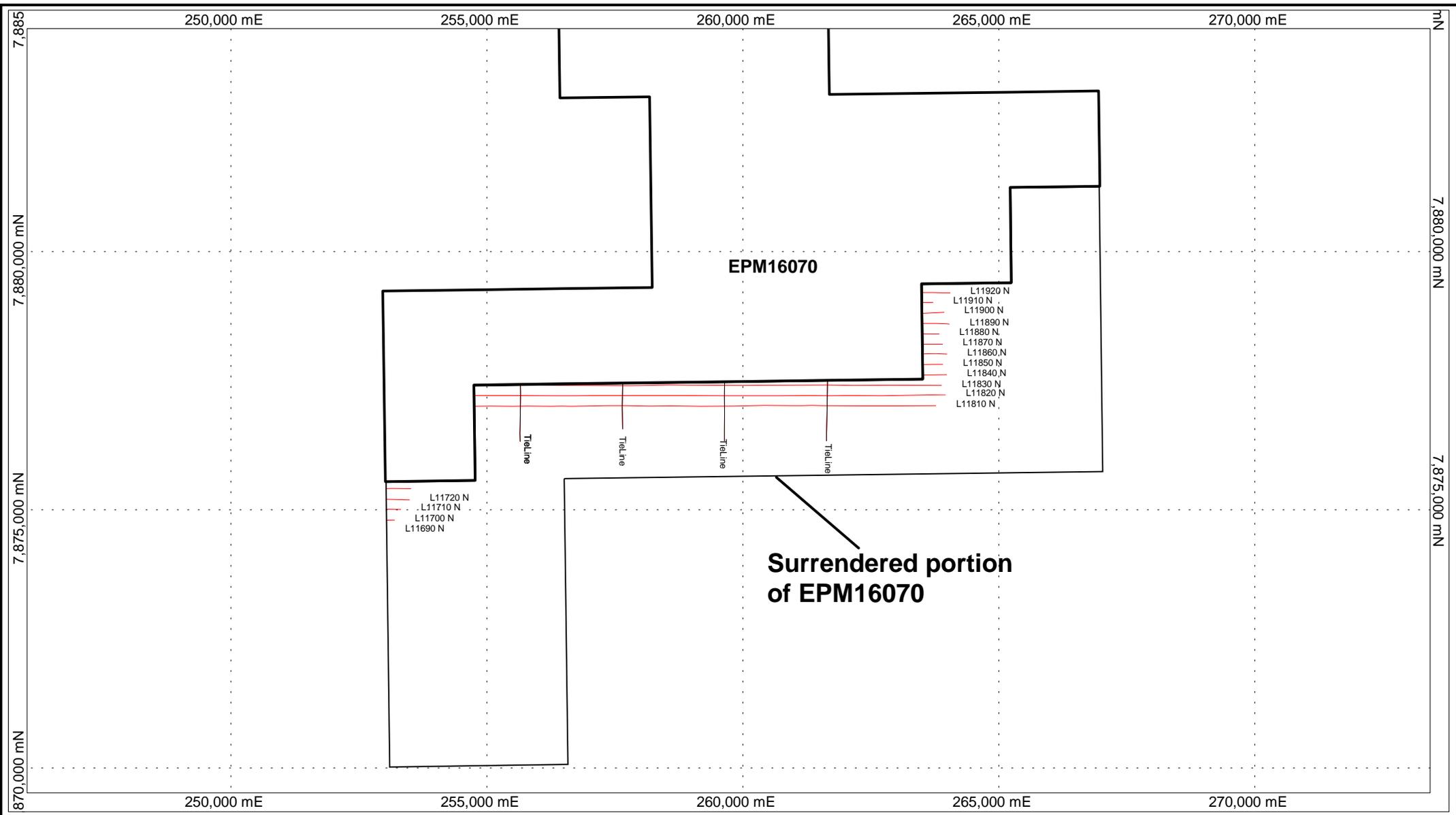
6. TMI
7. TMI – First Vertical Derivative (1VD)

ELECTROMAGNETICS (EM)

8. EM Channel 01 - X
9. EM Channel 01 - Z
10. EM Channel 02 - x
11. EM Channel 02 - Z
12. EM Channel 03 - X
13. EM Channel 03 - Z
14. EM Channel 04 - X
15. EM Channel 04 - Z
16. EM Channel 05 - X
17. EM Channel 05 - Z
18. EM Channel 06 - X
19. EM Channel 06 - Z
20. EM Channel 07 - X
21. EM Channel 07 - Z
22. EM Channel 08 - X
23. EM Channel 08 - Z
24. EM Channel 09 - X
25. EM Channel 09 - Z

RADIOMETRICS

26. Total Count (TC)
27. Potassium (K)
28. Thorium (Th)
29. Uranium (U)



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

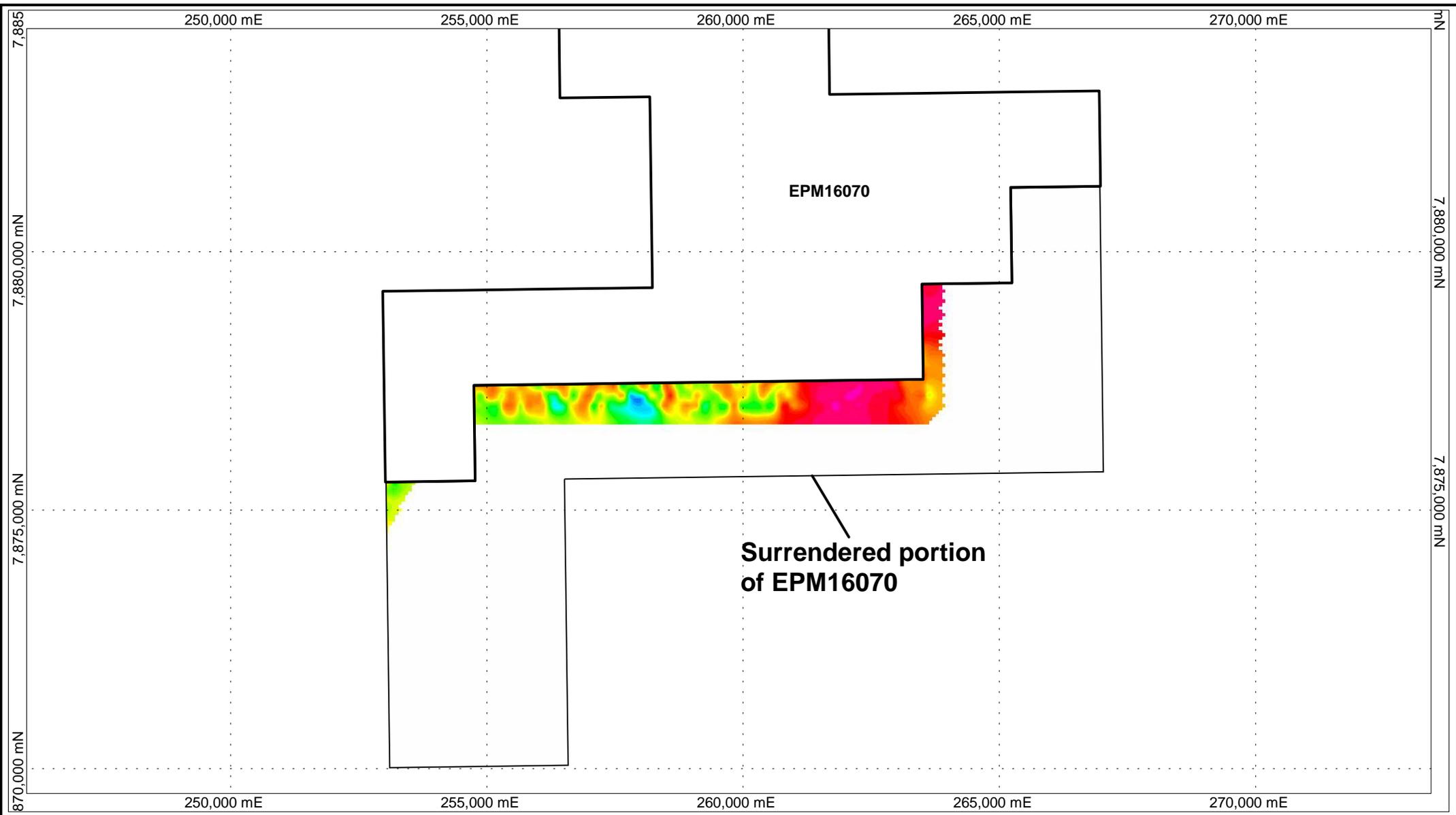


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 Flight Lines**

DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000



LOCATION MAP



0 1 2
kilometres Scale 1:100,000

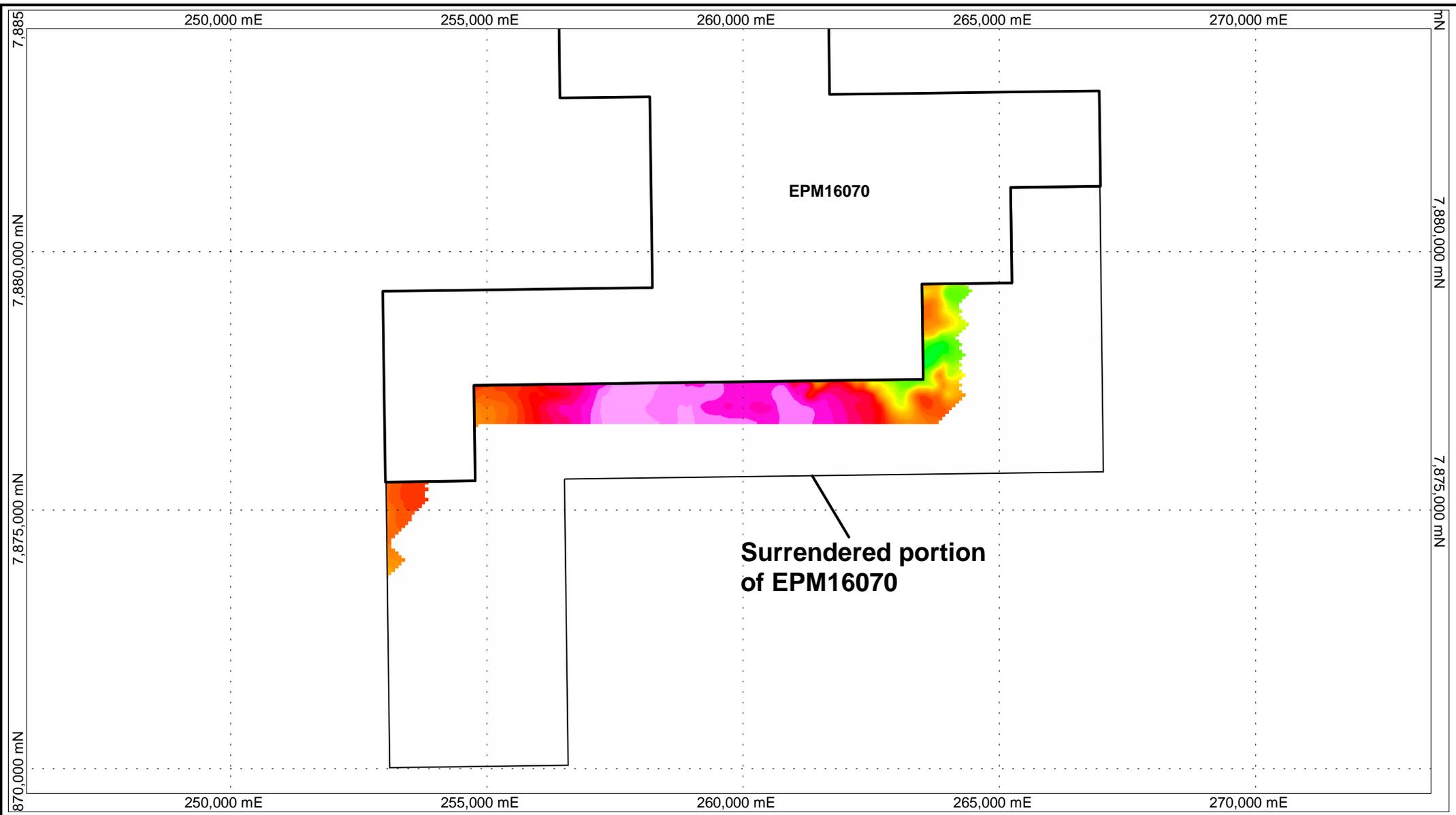


REGION: GEORGETOWN
PROJECT: LYND
DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
(SURRENDER AREA)
SPECTREM AERIAL GEOPHYSICS SURVEY
Cover**

DATE:
02/04/2009
PROJECTION:
MGA (Zone 55)
SCALE:
1:100,000



LOCATION MAP



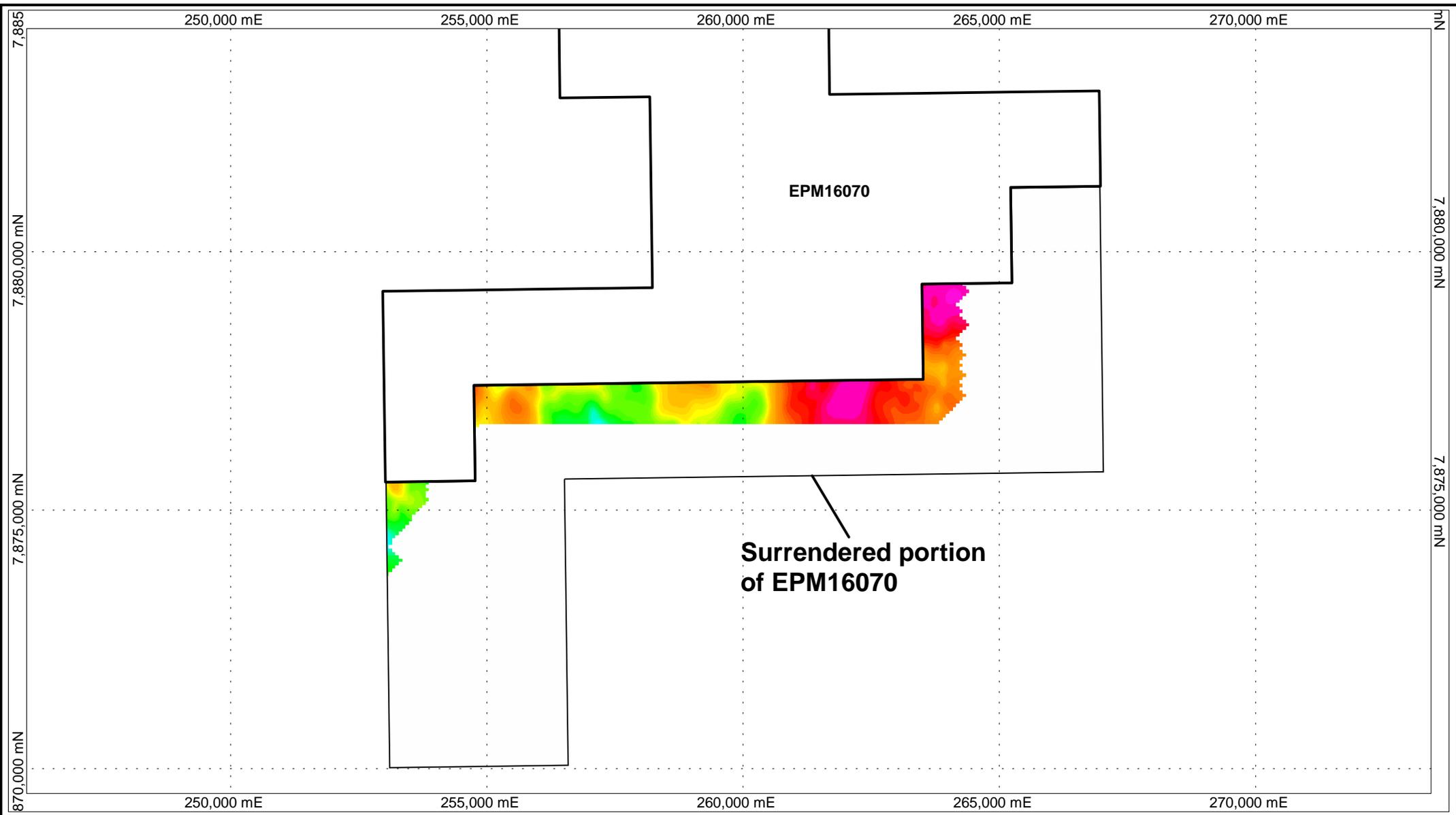
0 1 2 kilometres Scale 1:100,000



REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon
 DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 DTM**



LOCATION MAP



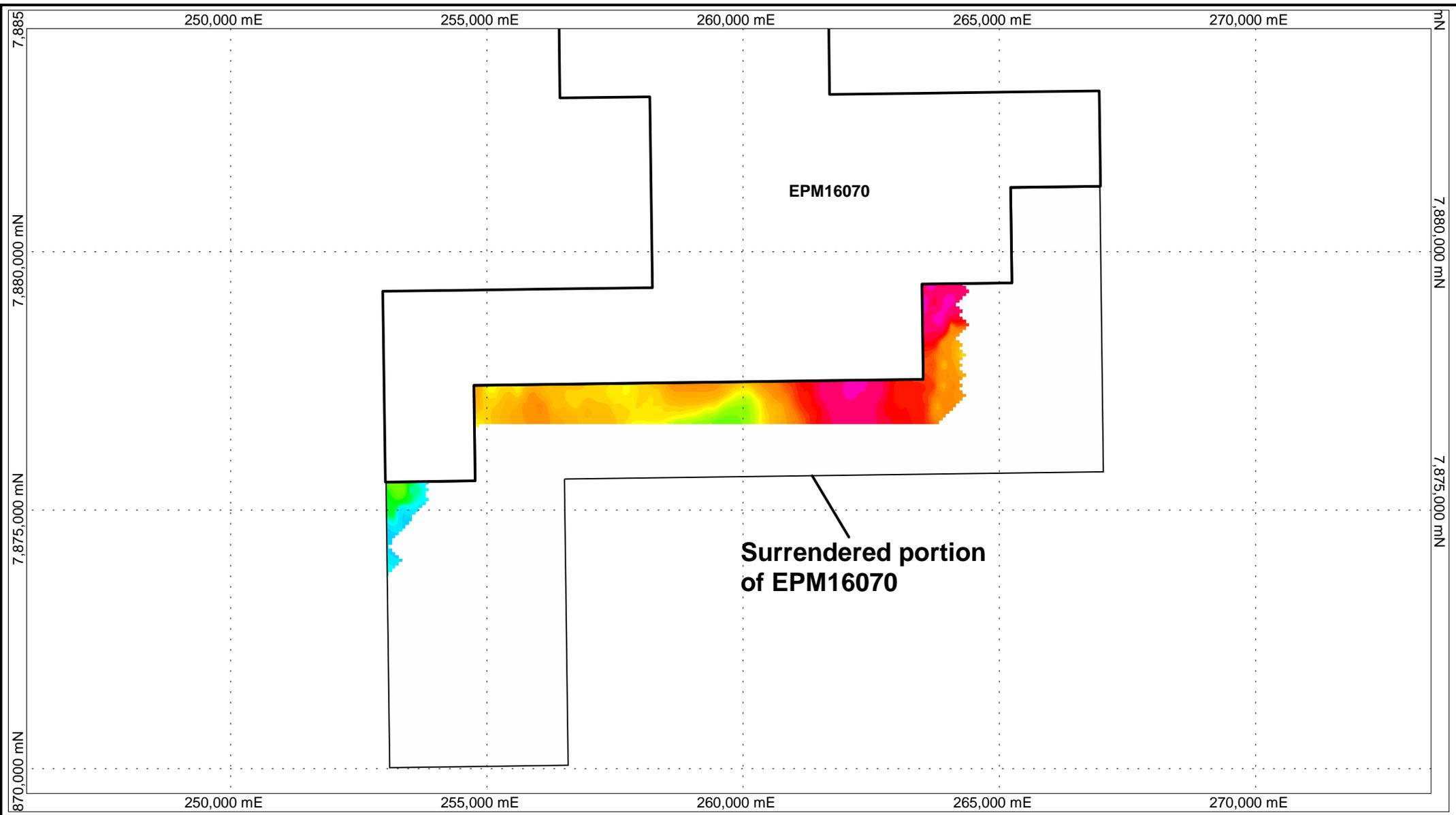
0 1 2 kilometres Scale 1:100,000



REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon
 DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 Time Constant (Tau) in X**



LOCATION MAP



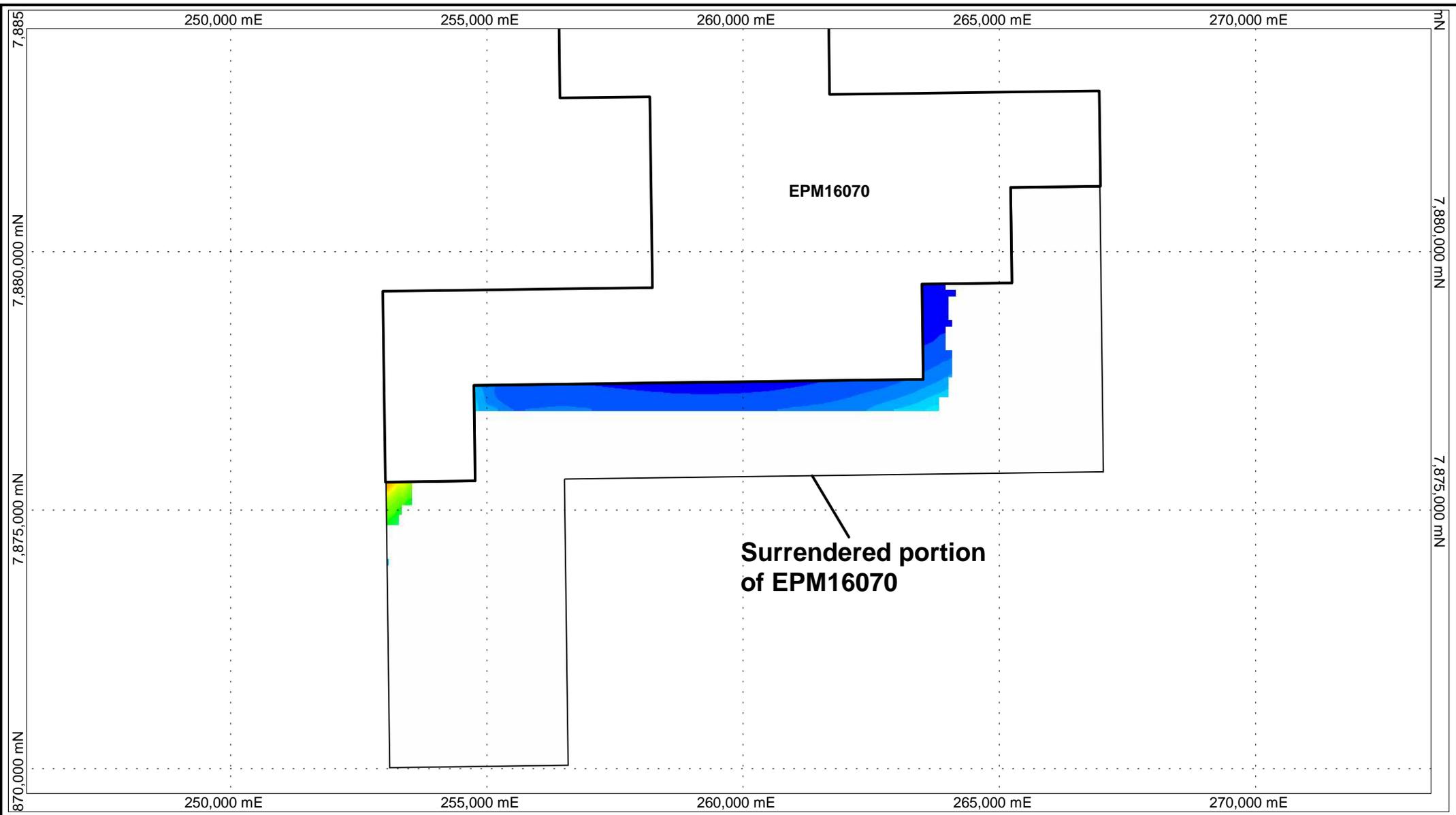
0 1 2 kilometres Scale 1:100,000



REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon
 DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 Time Constant (Tau) in Z**



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

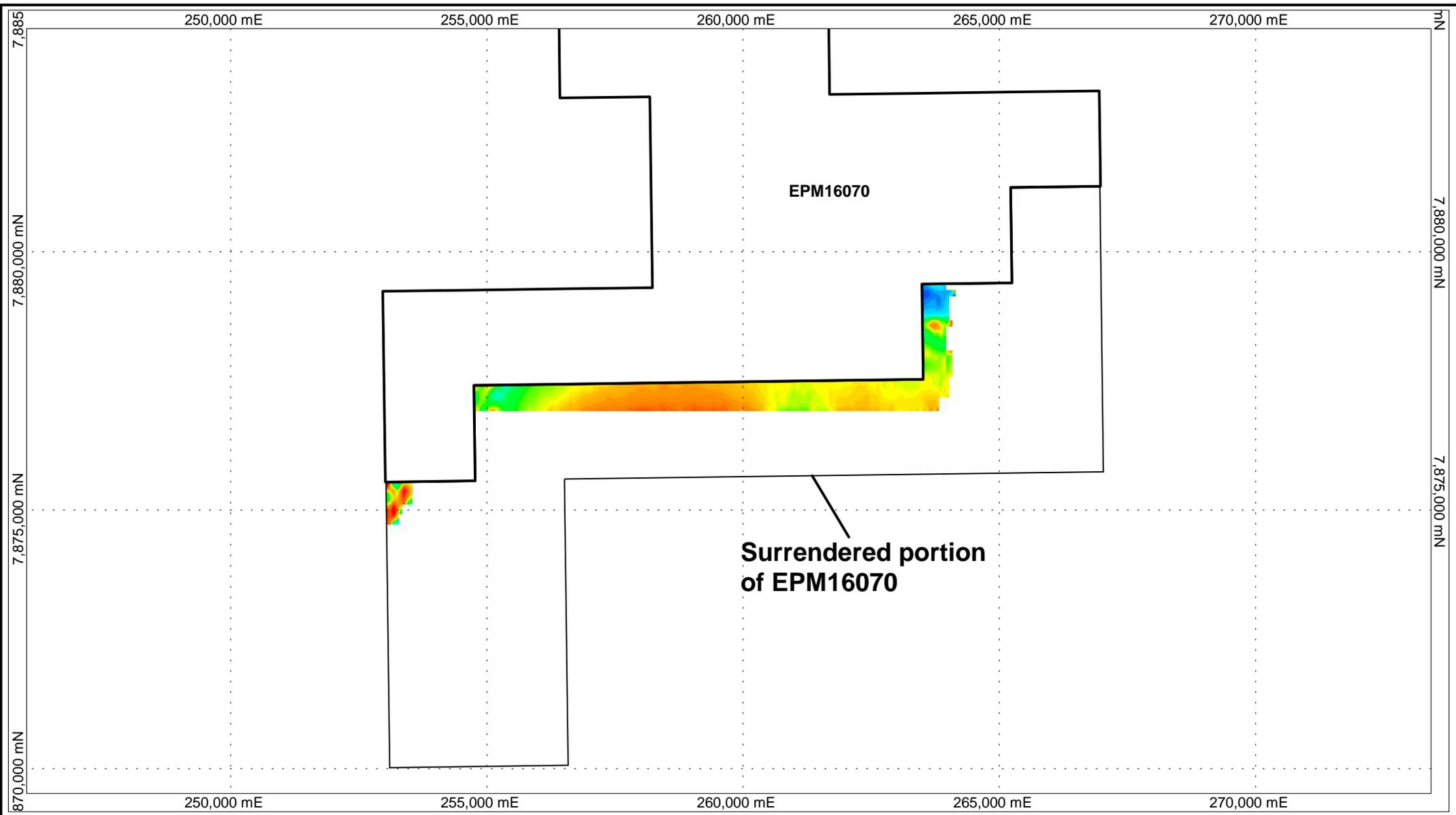


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

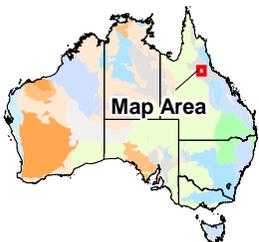
AUTHOR:
K Dixon
 COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 TMI**

DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000



LOCATION MAP



0 1 2 kilometres Scale 1:100,000



REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon

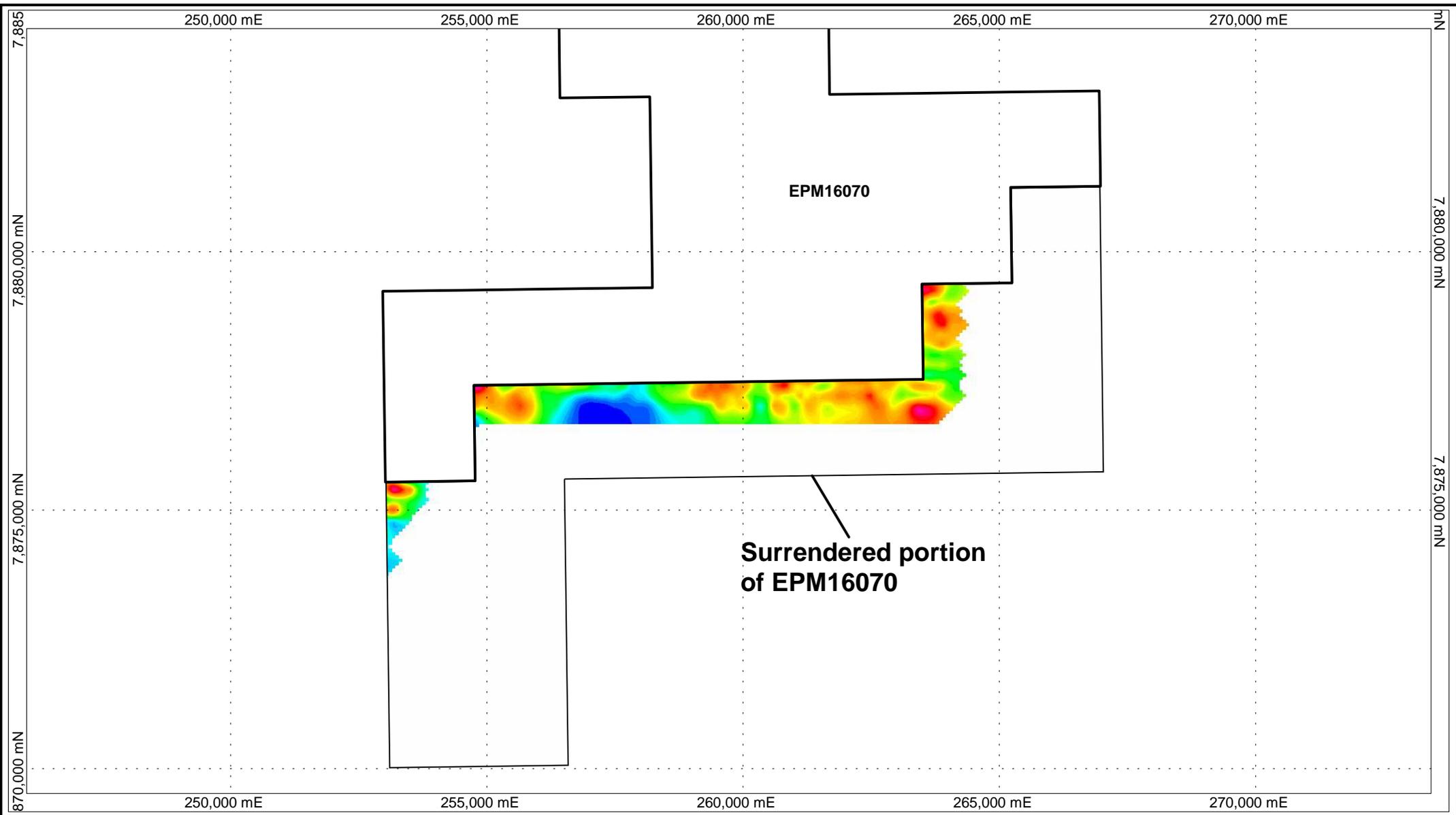
COMPILED BY:
K Dixon

DATE:
02/04/2009

PROJECTION:
MGA (Zone 55)

SCALE:
1:100,000

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 TMI 1VD**



LOCATION MAP



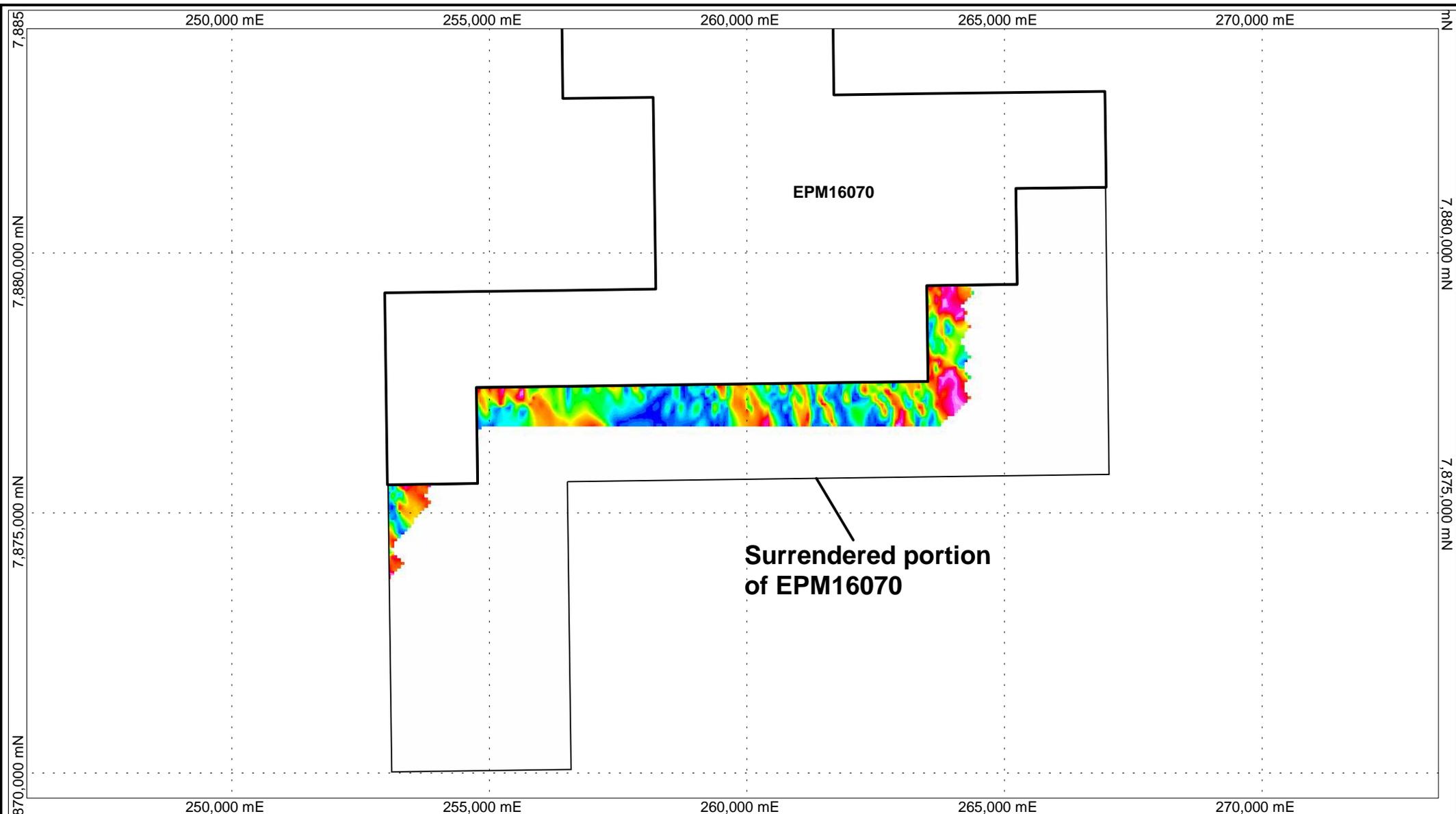
0 1 2 kilometres Scale 1:100,000



REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon
 DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 01 - X**



LOCATION MAP



0 1 2 kilometres Scale 1:100,000



REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
 K Dixon

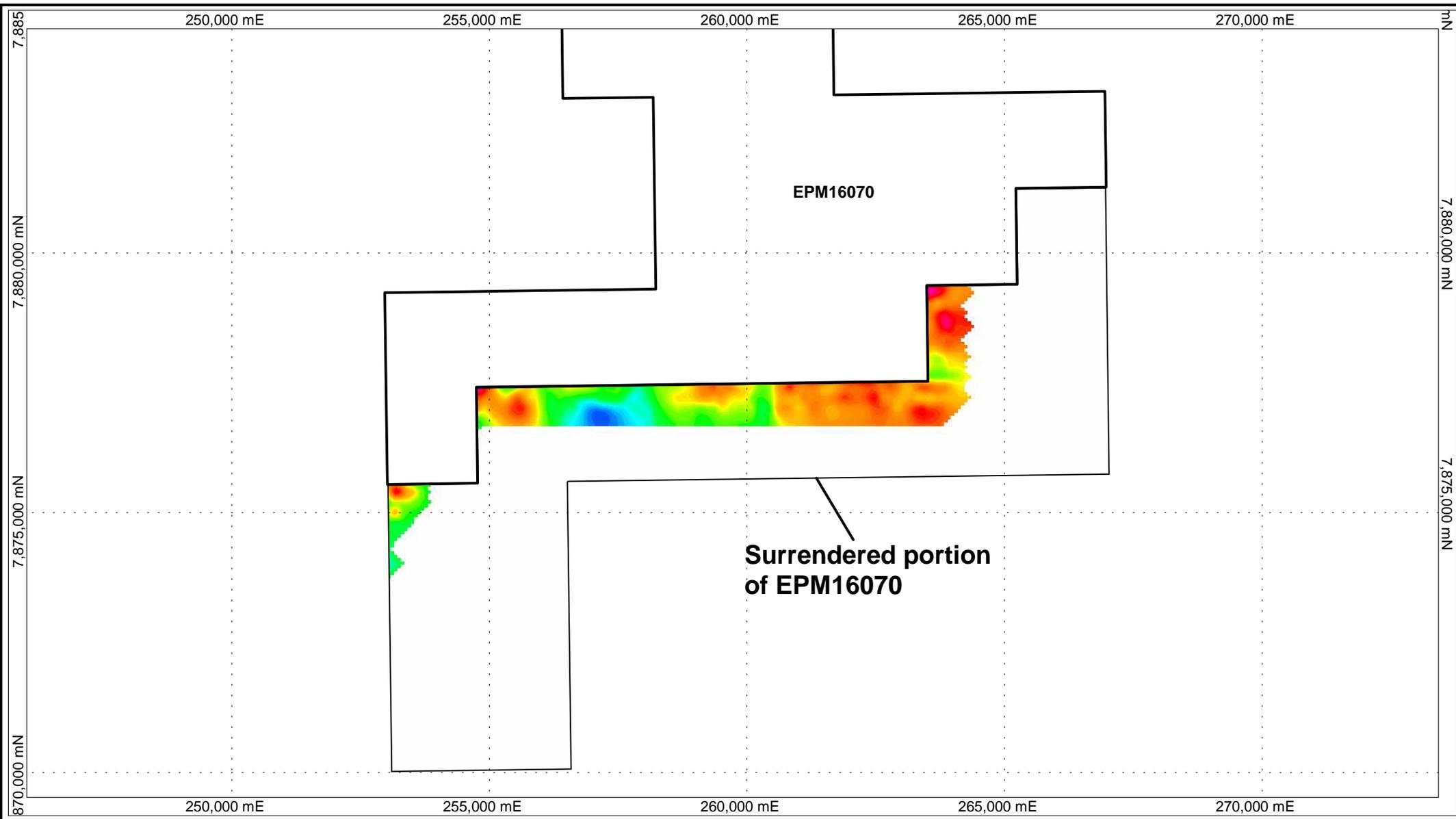
COMPILED BY:
 K Dixon

DATE:
 02/04/2009

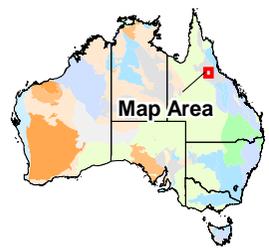
PROJECTION:
 MGA (Zone 55)

SCALE:
 1:100,000

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 01 - Z**



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

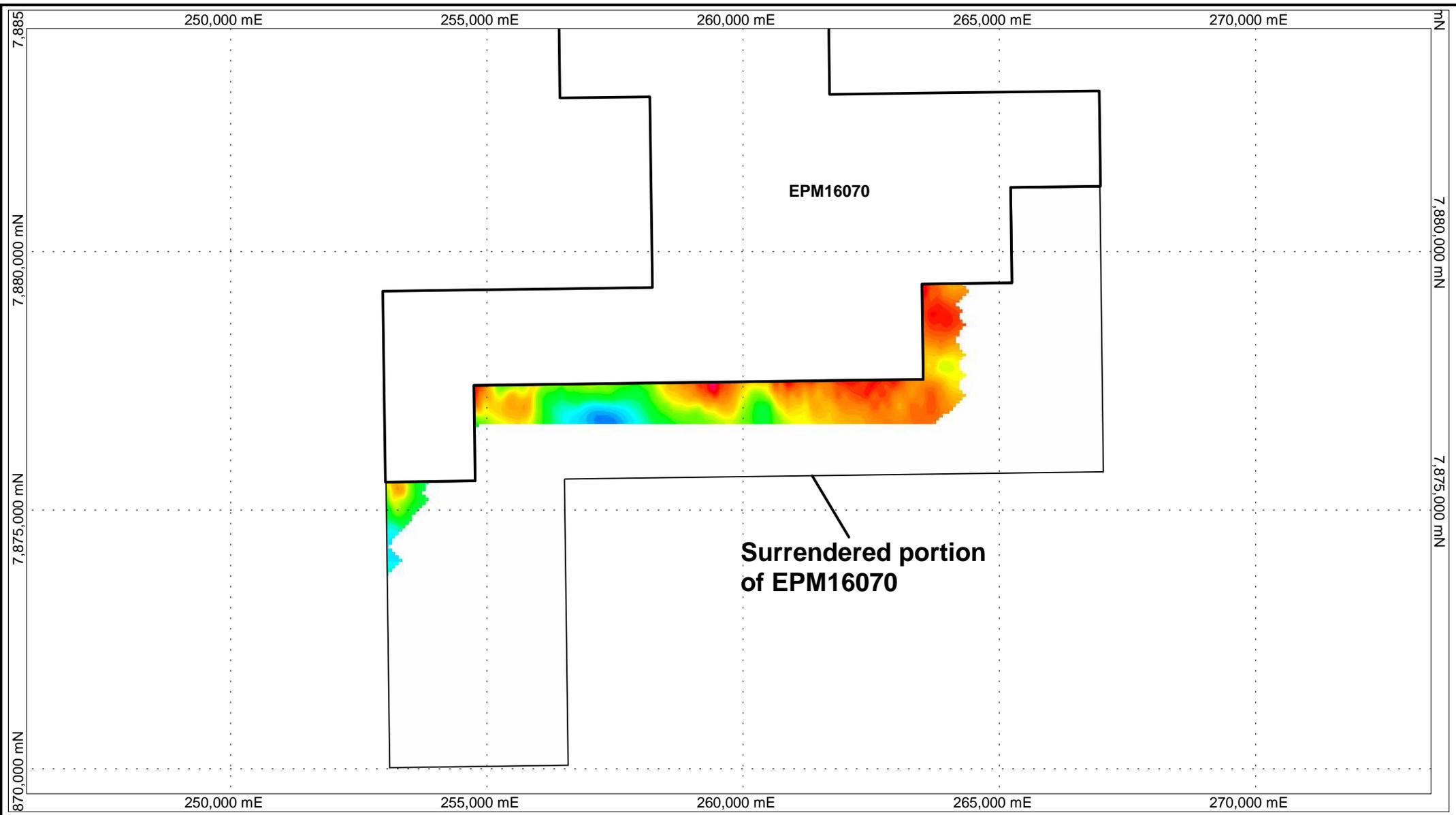


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 02 - X**

DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

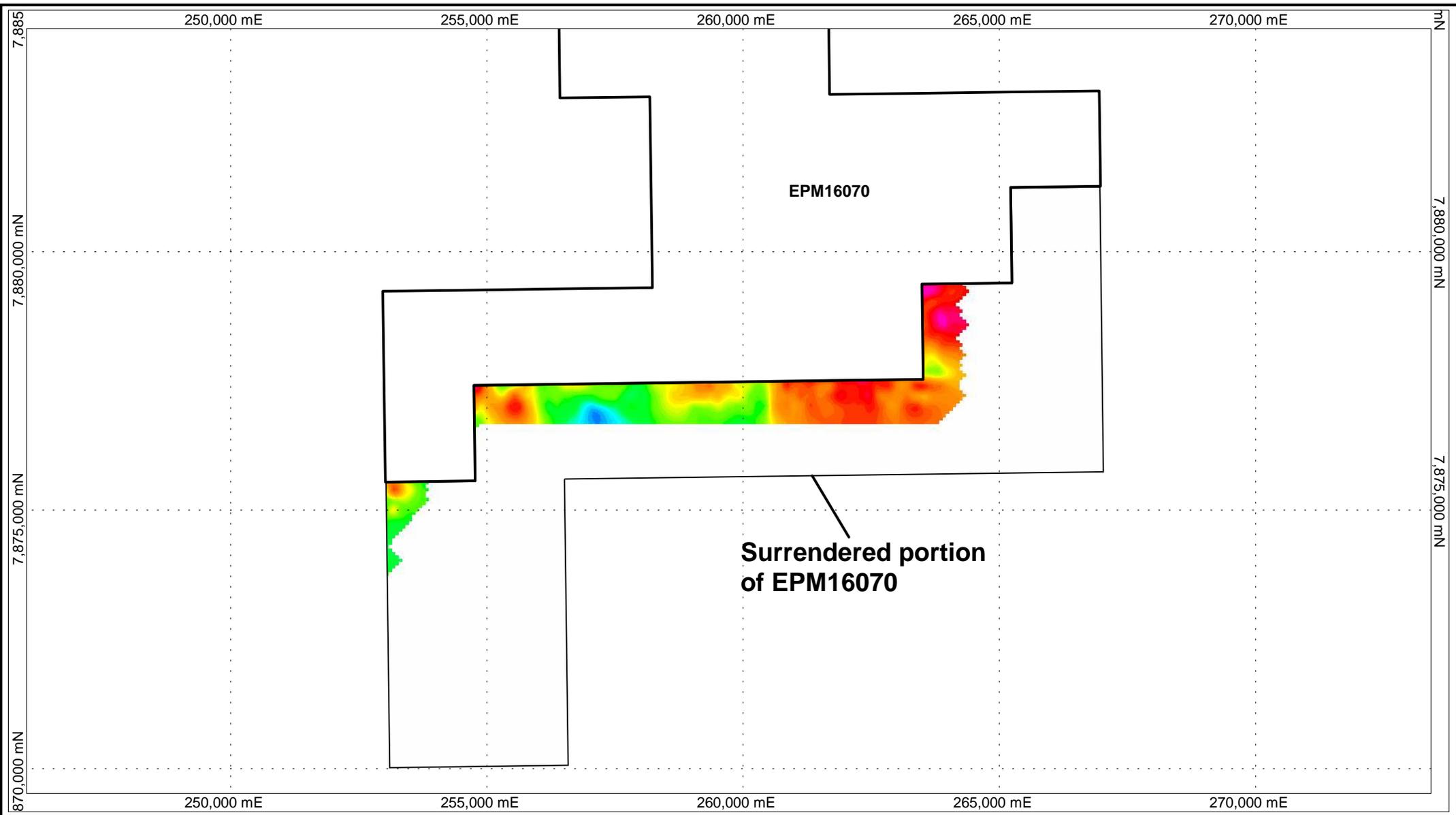


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

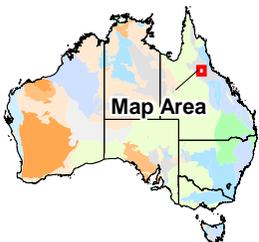
AUTHOR:
K Dixon
 COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 02 - Z**

DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

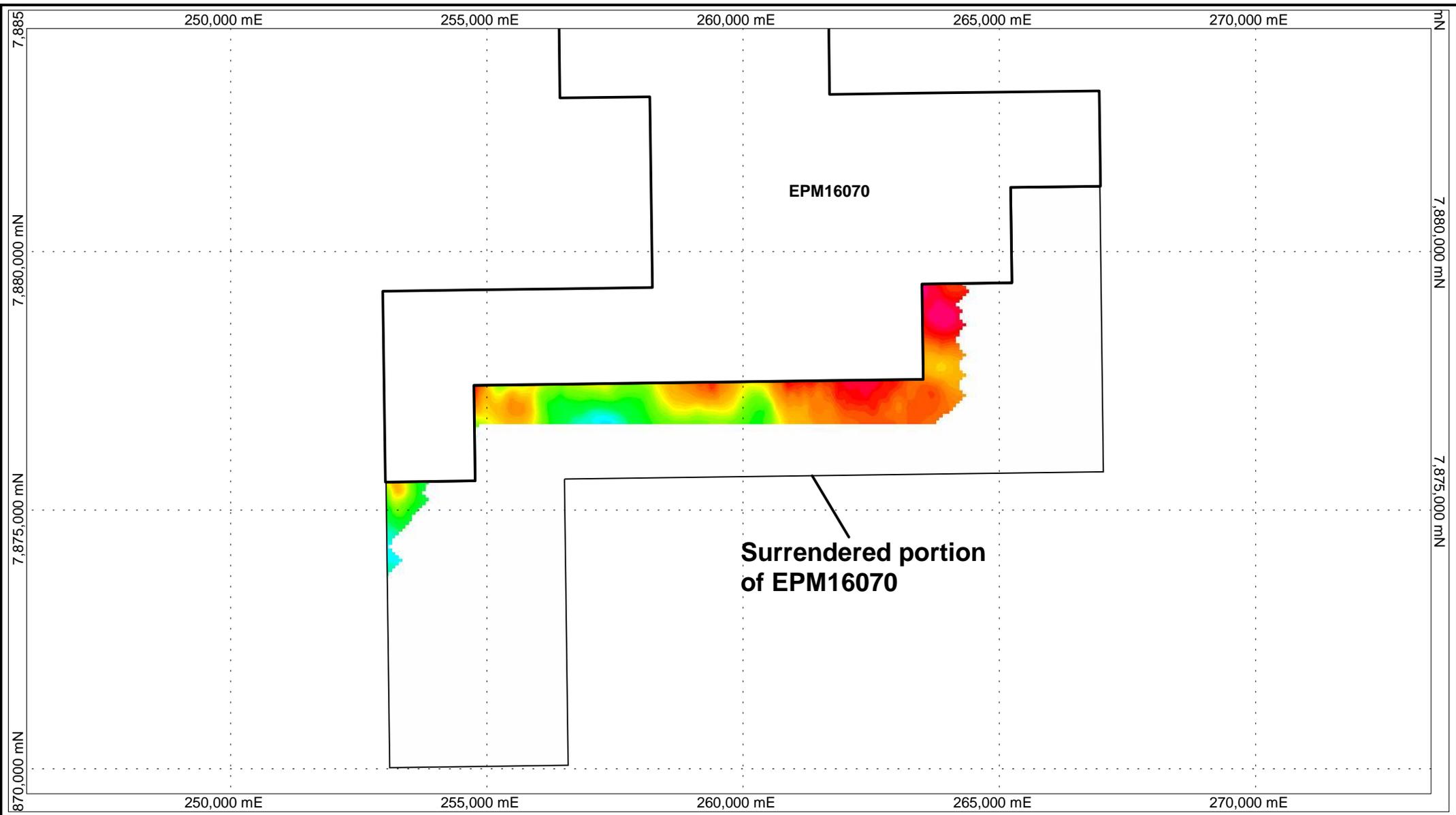


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

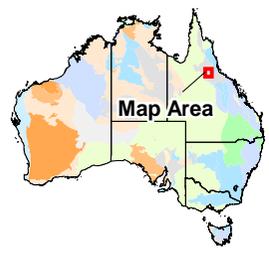
AUTHOR:
 K Dixon
 COMPILED BY:
 K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 03 - X**

DATE:
 02/04/2009
 PROJECTION:
 MGA (Zone 55)
 SCALE:
 1:100,000



LOCATION MAP



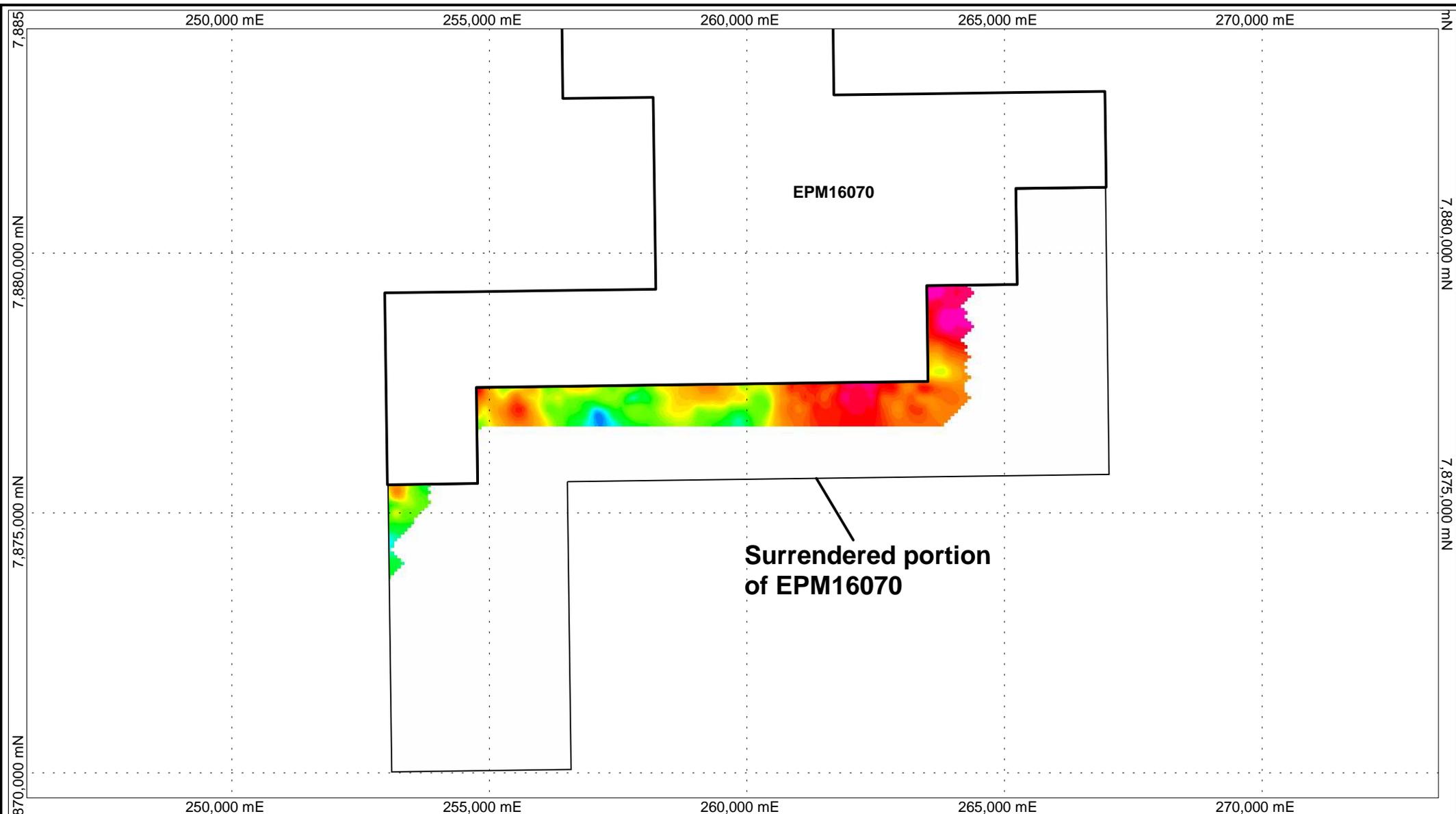
0 1 2 kilometres Scale 1:100,000



REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon
 DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 03 - Z**



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

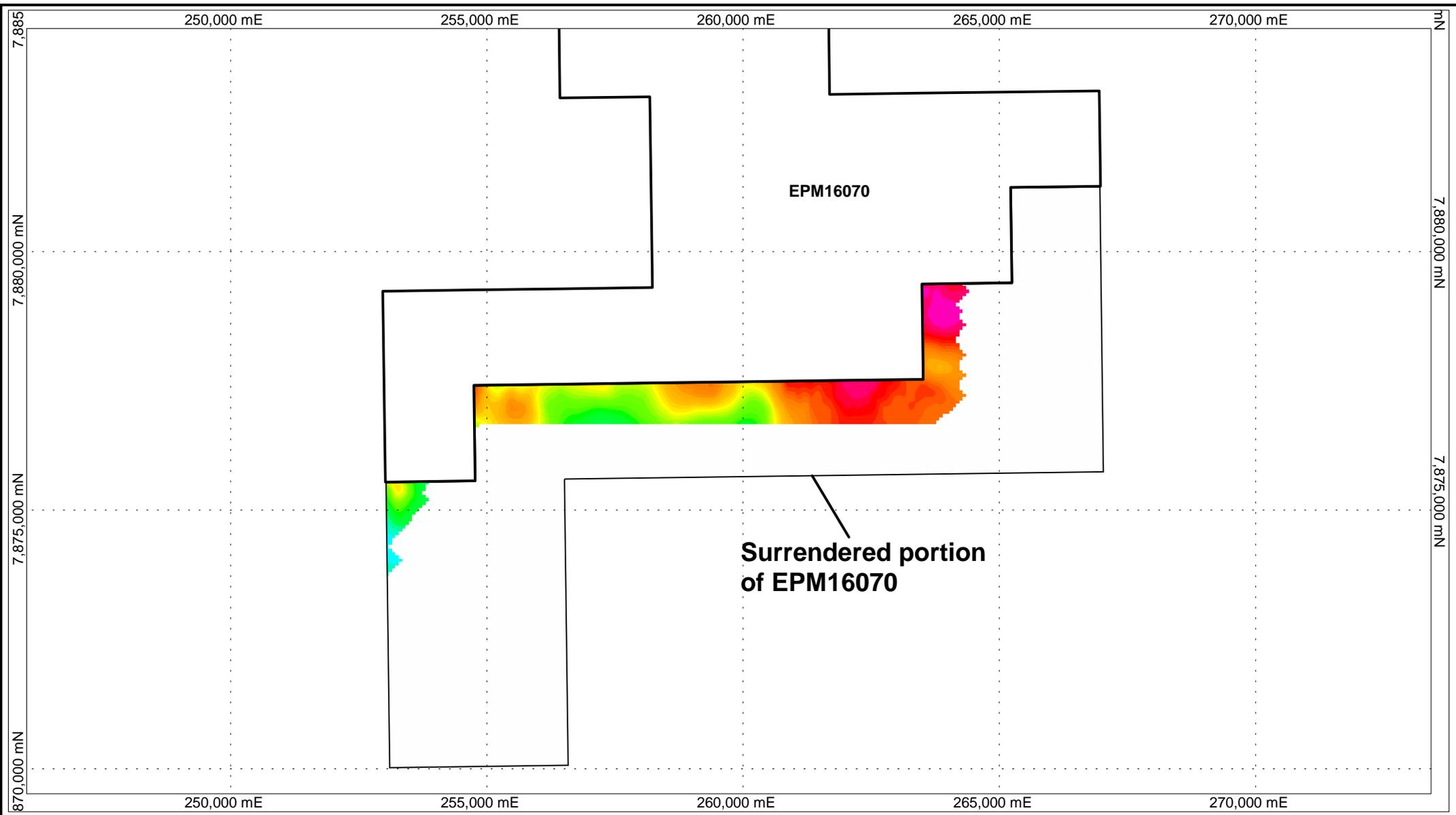


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
 K Dixon
 COMPILED BY:
 K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 04 - X**

DATE:
 02/04/2009
 PROJECTION:
 MGA (Zone 55)
 SCALE:
 1:100,000



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

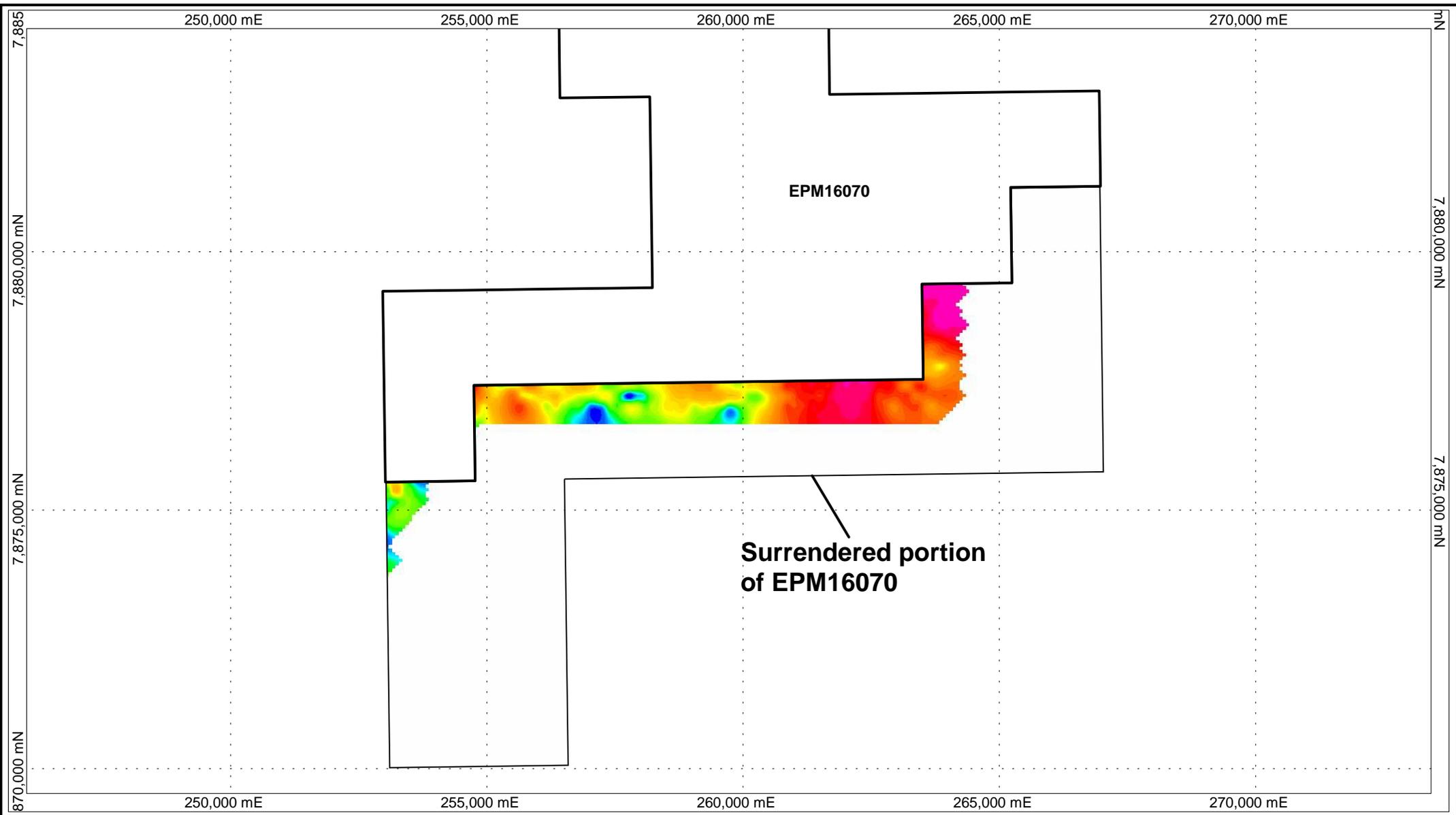


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 04 - Z**

DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

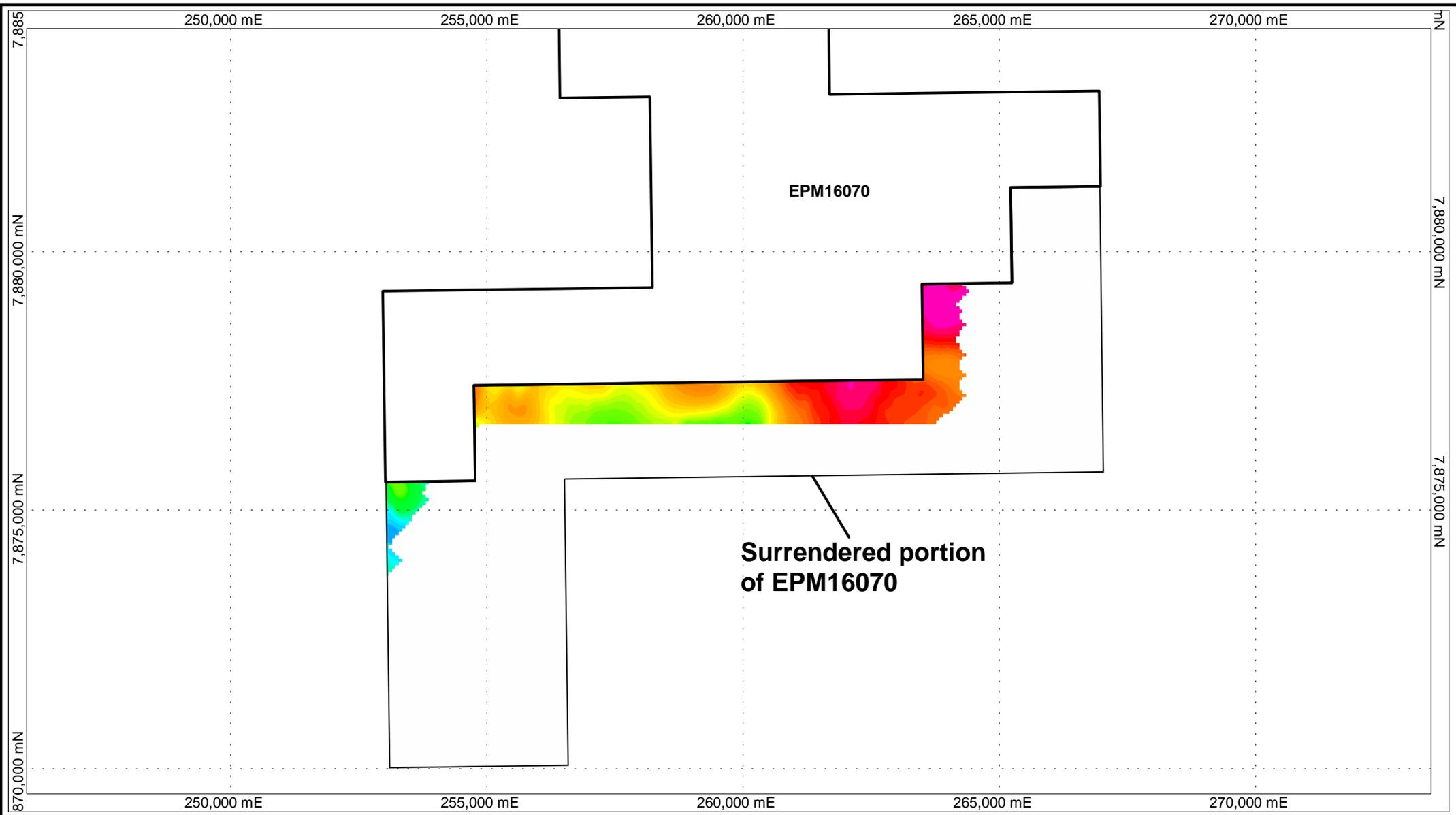


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 05 - X**

DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

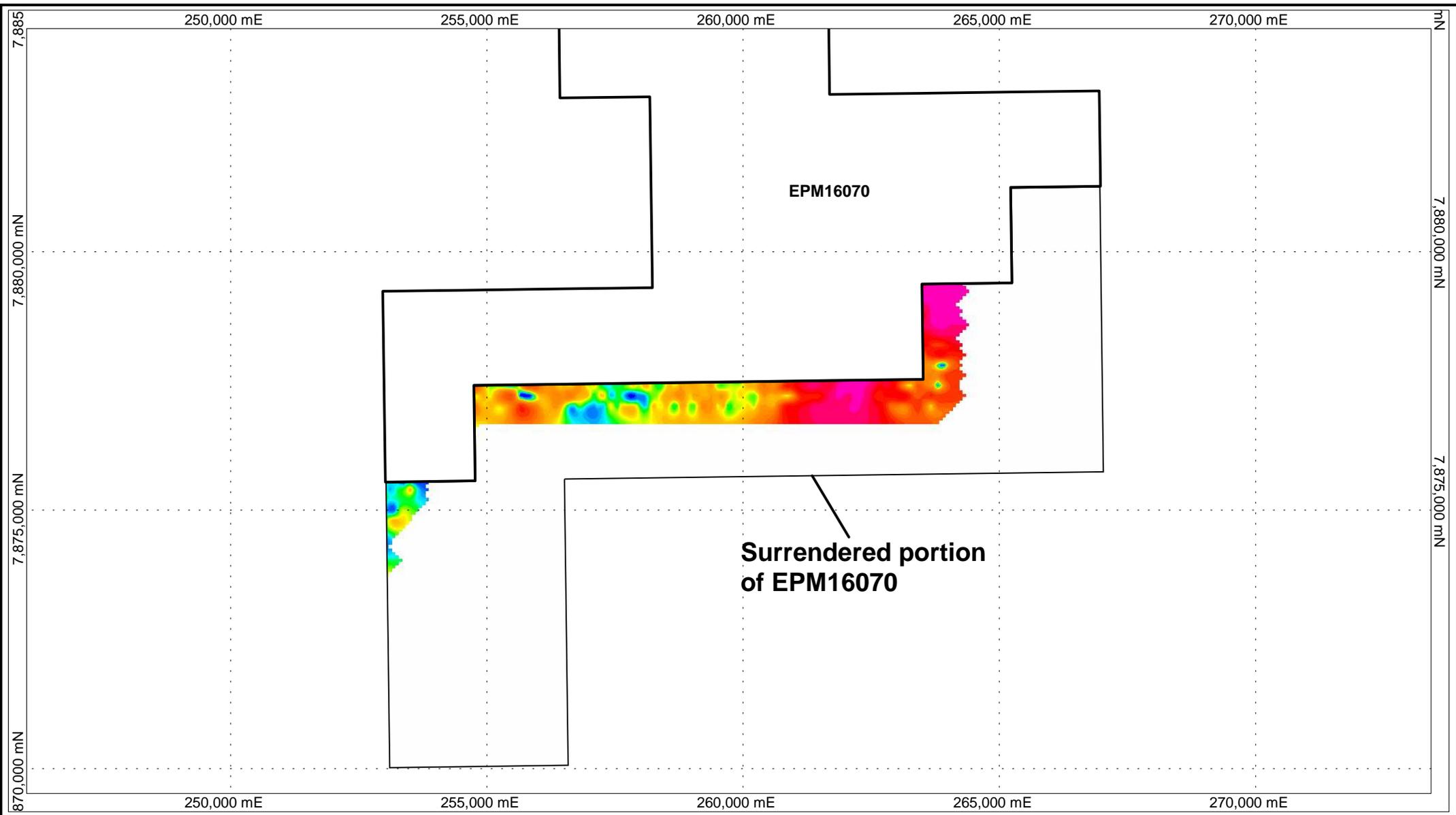


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 05 - Z**

DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

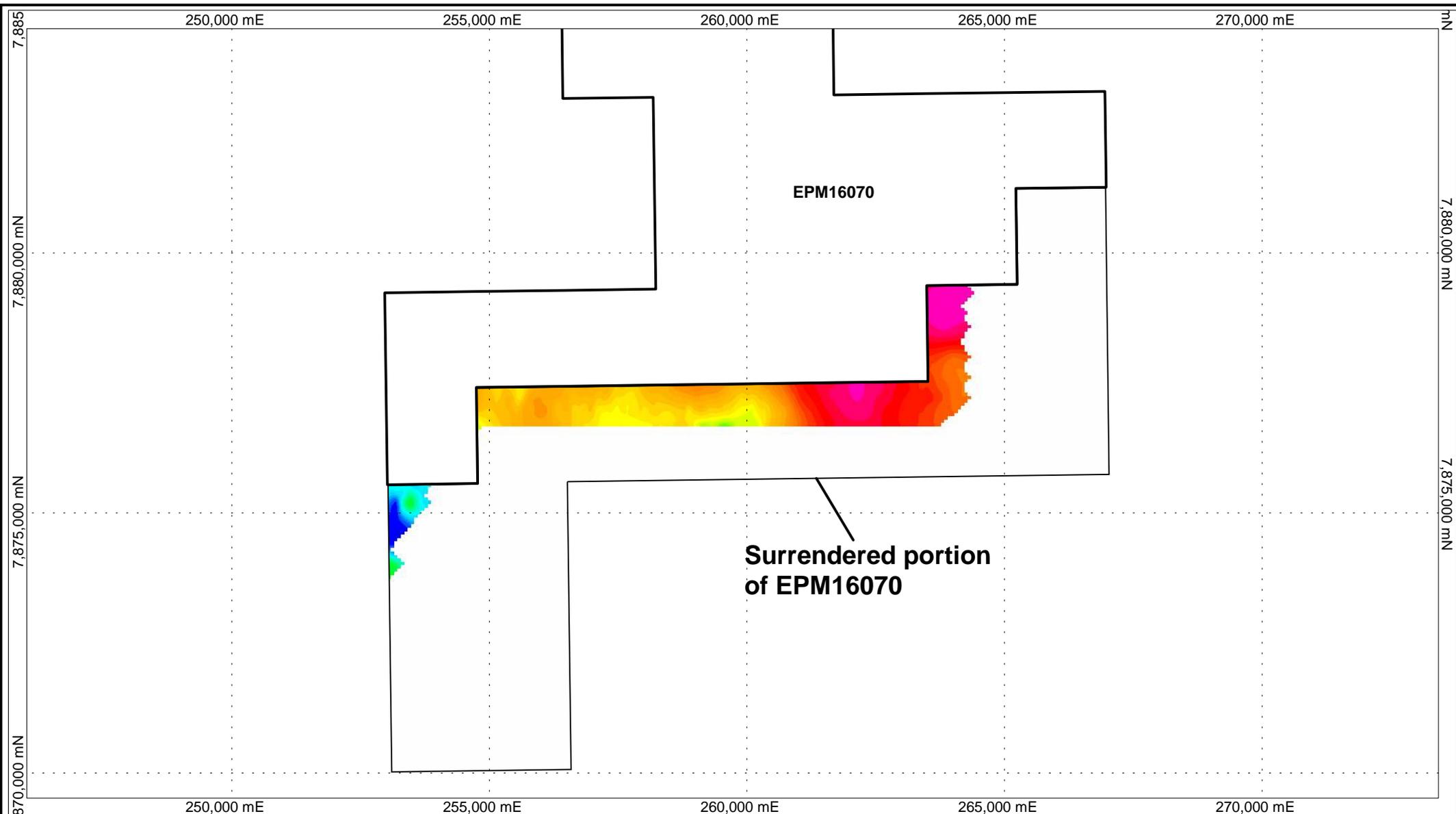


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

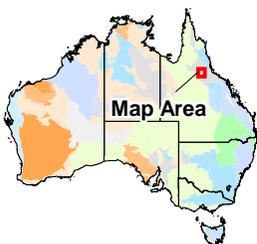
AUTHOR:
K Dixon
 COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 06 - X**

DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000



LOCATION MAP



0 1 2 kilometres Scale 1:100,000



REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon

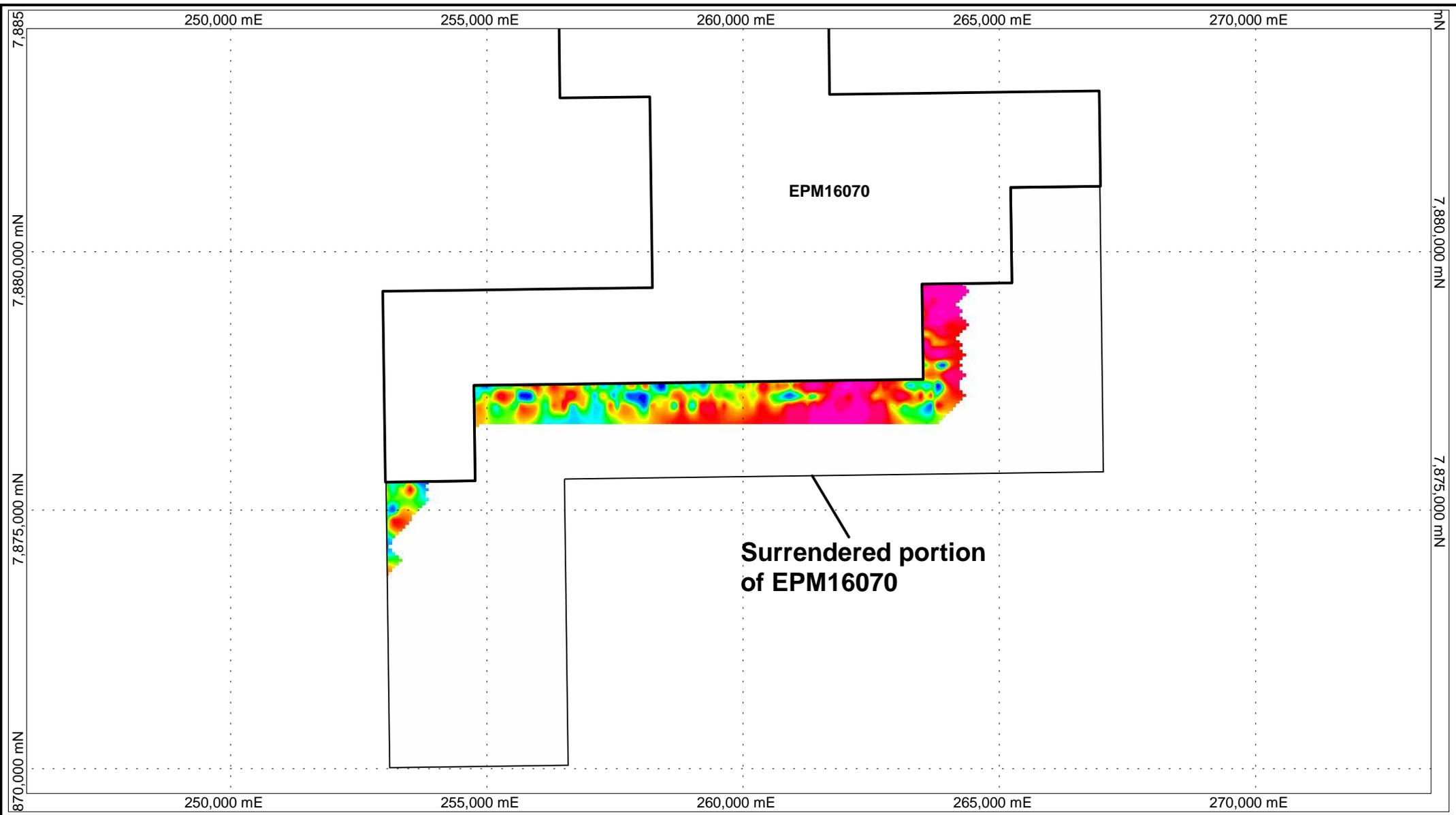
COMPILED BY:
K Dixon

DATE:
02/04/2009

PROJECTION:
MGA (Zone 55)

SCALE:
1:100,000

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 06 - Z**



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

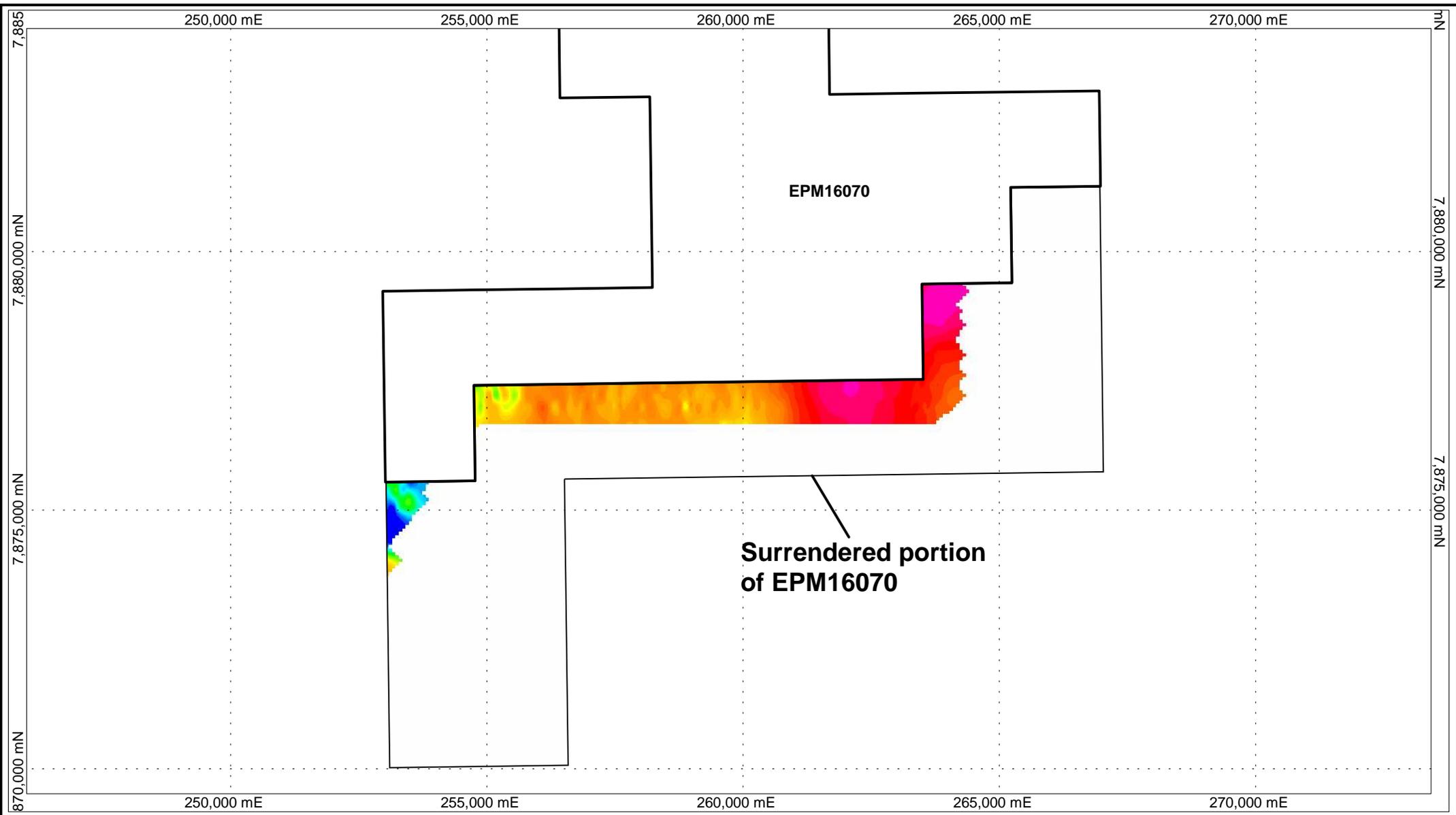


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 07 - X**

DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000



LOCATION MAP



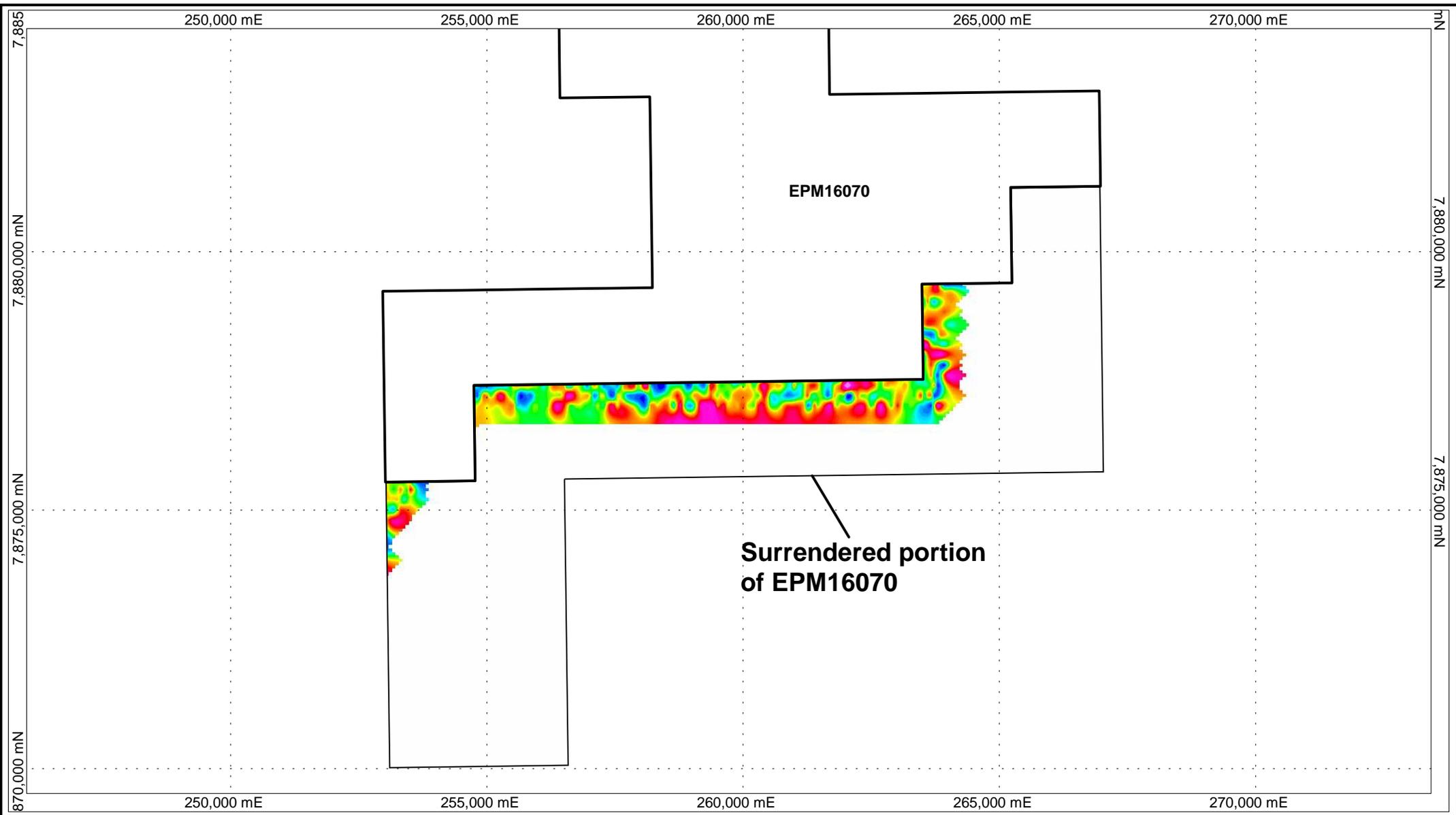
0 1 2 kilometres Scale 1:100,000



REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon
 DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 07 - Z**



LOCATION MAP



0 1 2 kilometres Scale 1:100,000



REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon

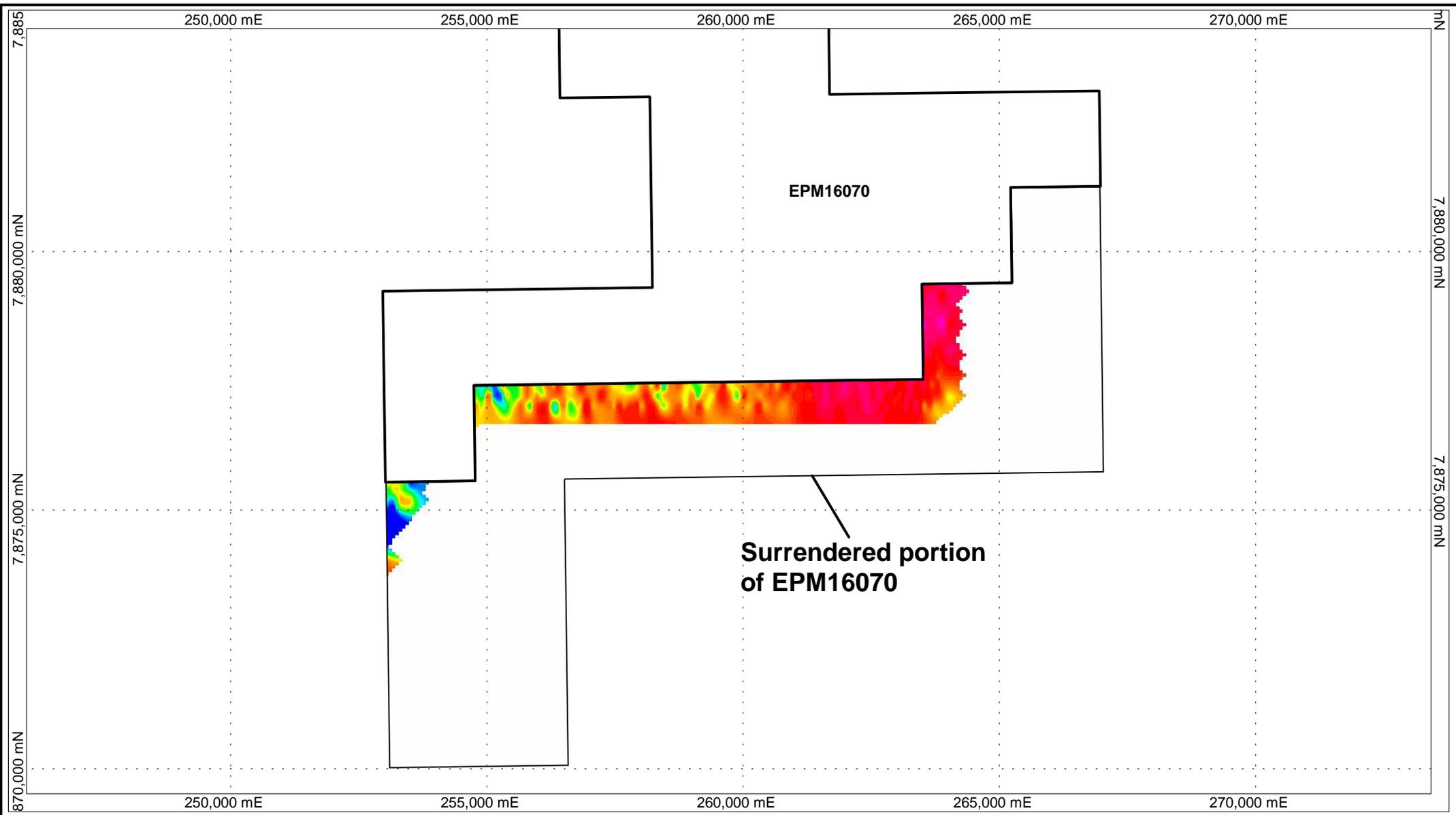
COMPILED BY:
K Dixon

DATE:
02/04/2009

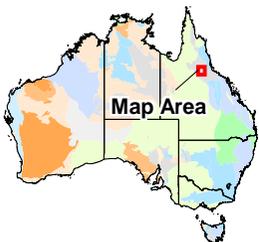
PROJECTION:
MGA (Zone 55)

SCALE:
1:100,000

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 08 - X**



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

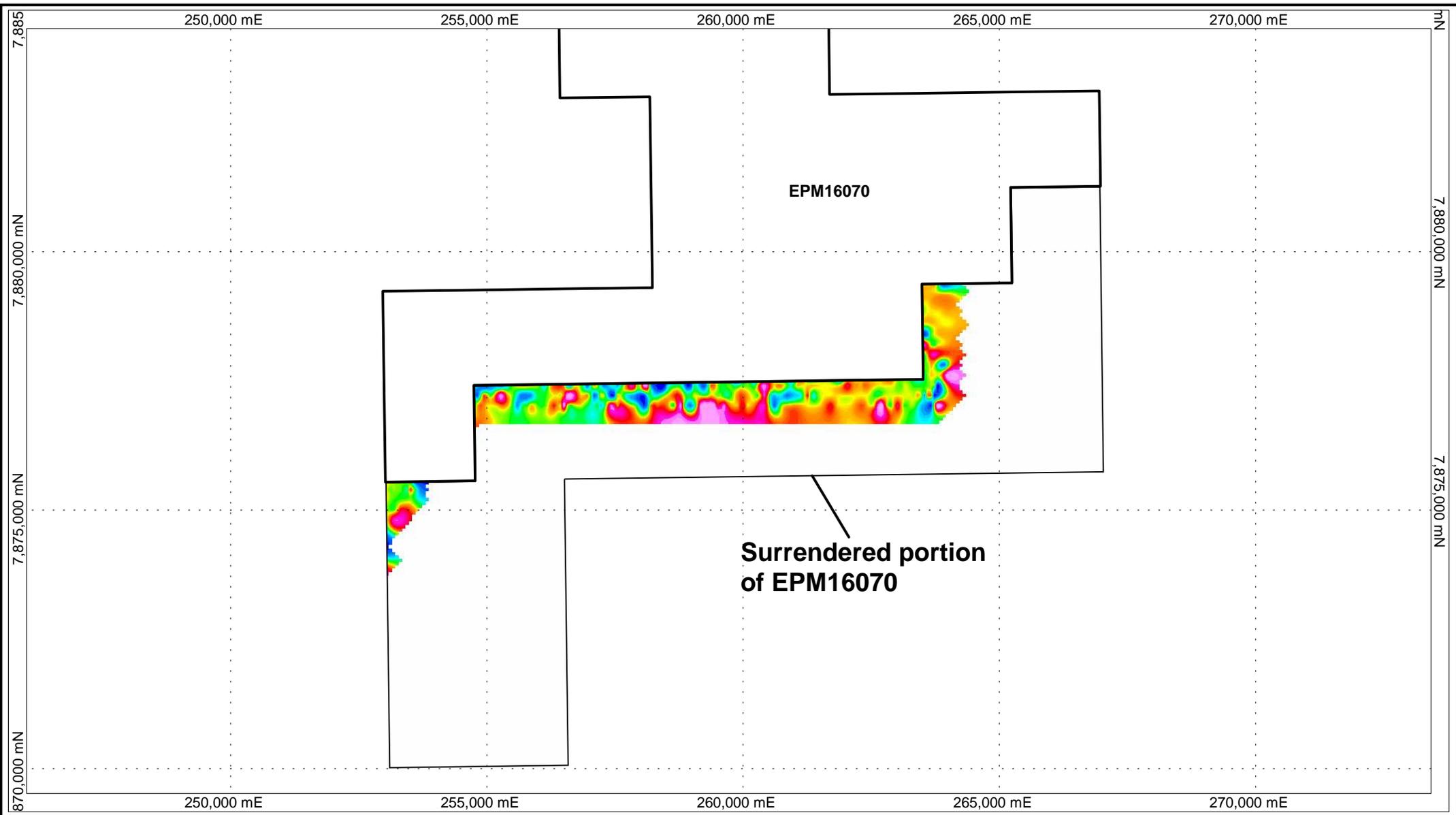


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 08 - Z**

DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000



LOCATION MAP



0 1 2 kilometres Scale 1:100,000



REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon

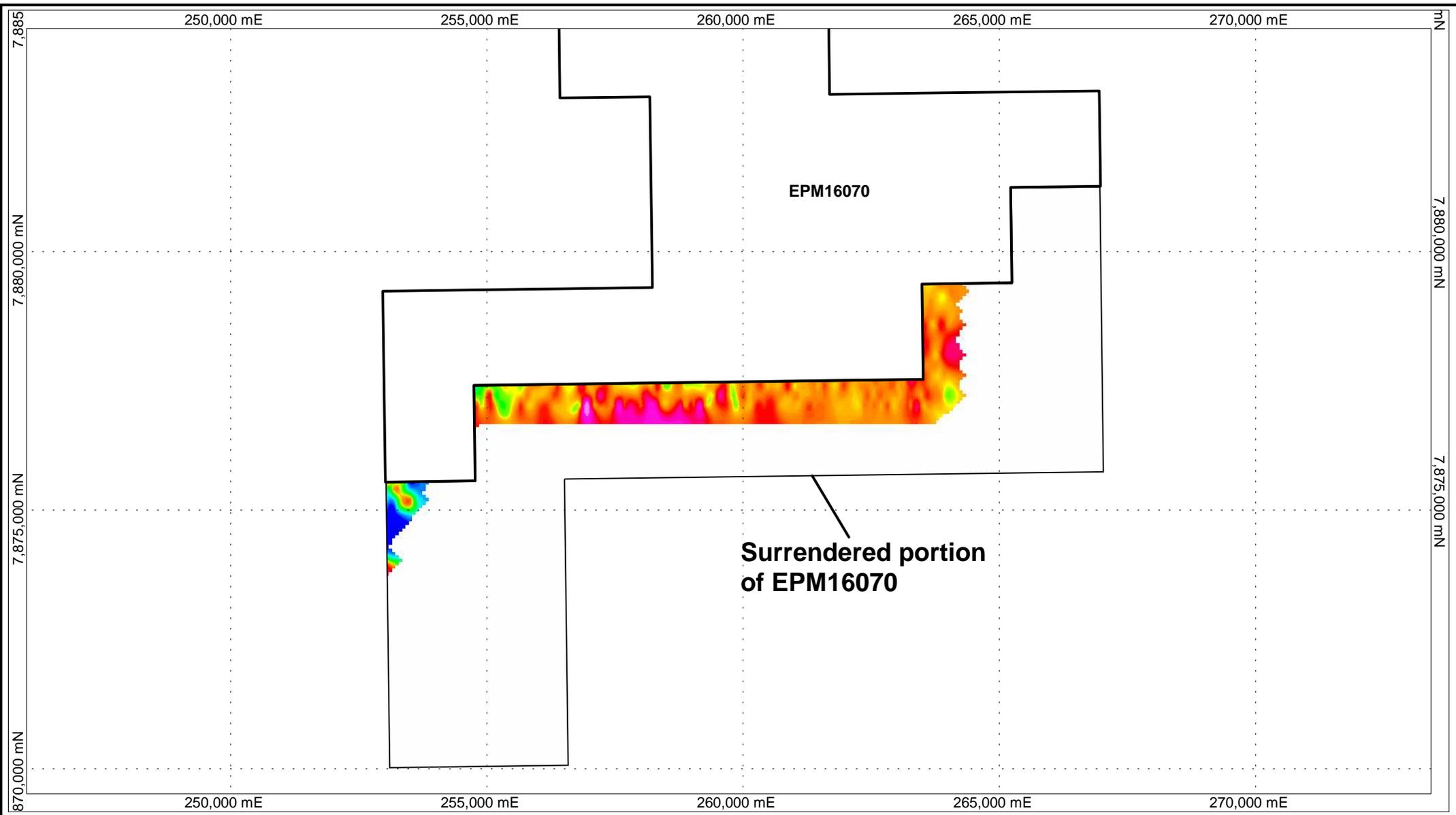
COMPILED BY:
K Dixon

DATE:
02/04/2009

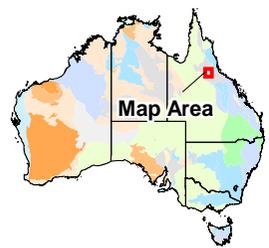
PROJECTION:
MGA (Zone 55)

SCALE:
1:100,000

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 09 - X**



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

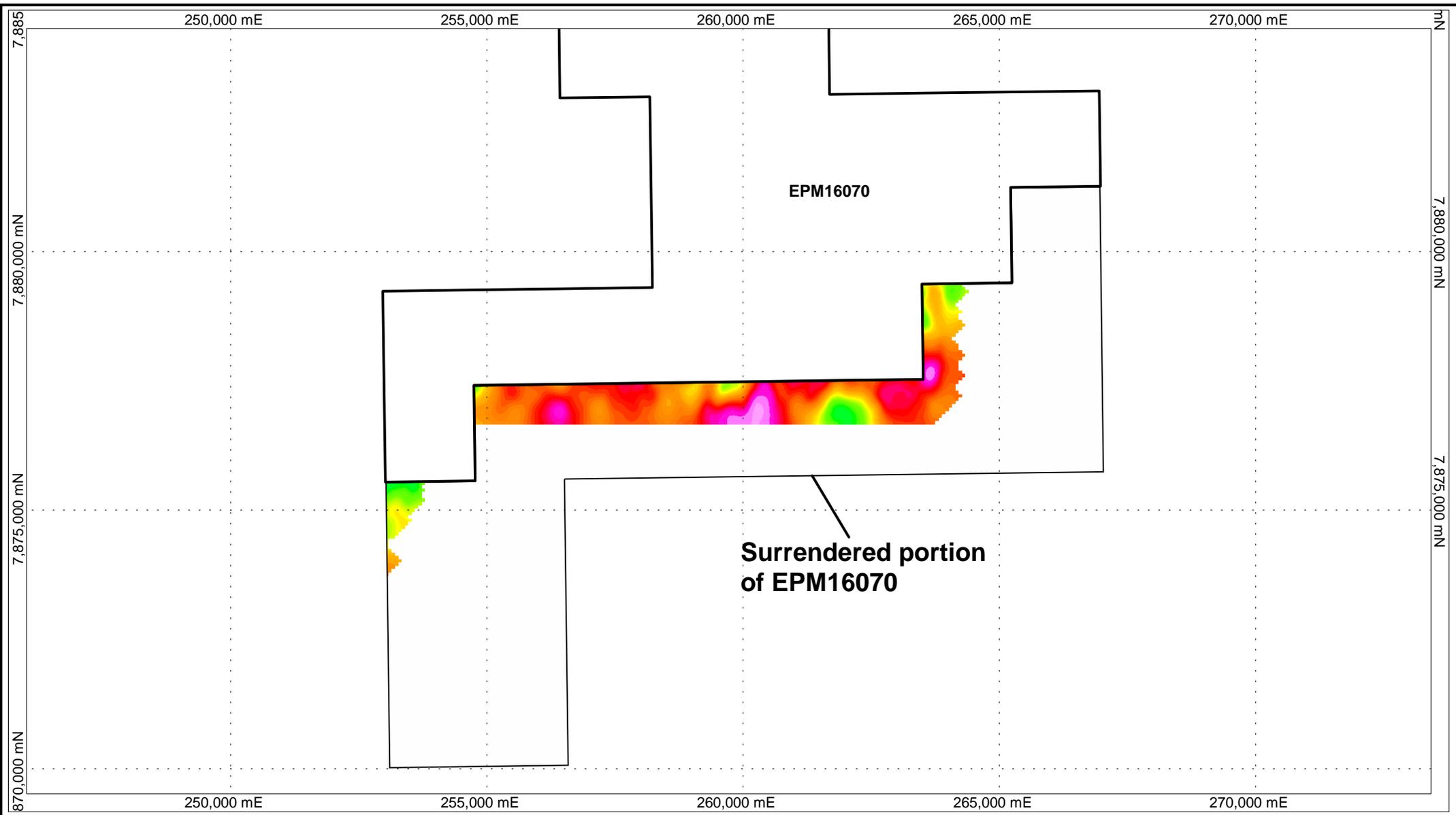


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 EM: Channel 09 - Z**

DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

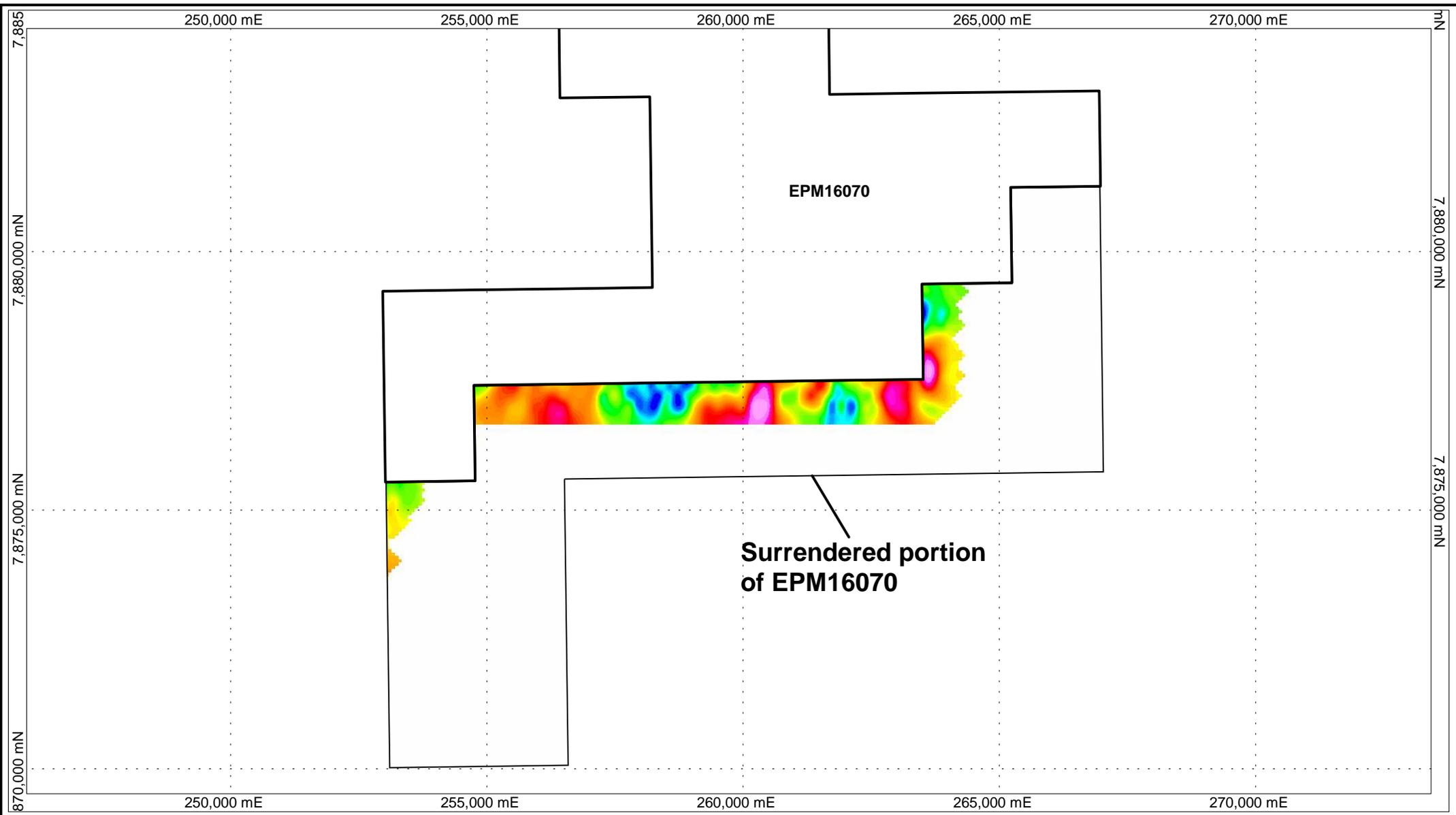


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 Radiometrics: Total Count (TC)**

DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

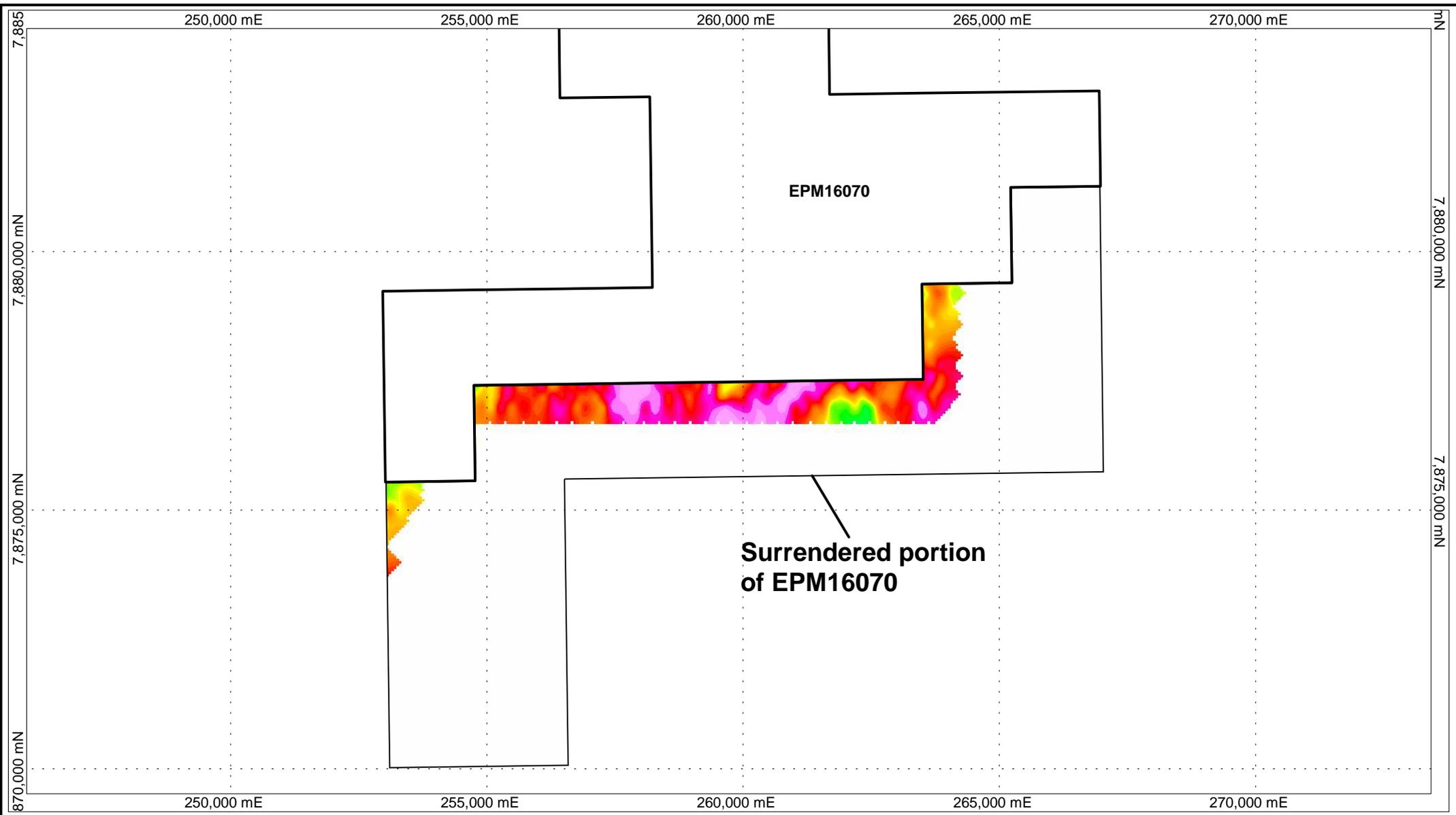


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
 K Dixon
 COMPILED BY:
 K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 Radiometrics: K**

DATE:
 02/04/2009
 PROJECTION:
 MGA (Zone 55)
 SCALE:
 1:100,000



LOCATION MAP



0 1 2 kilometres Scale 1:100,000

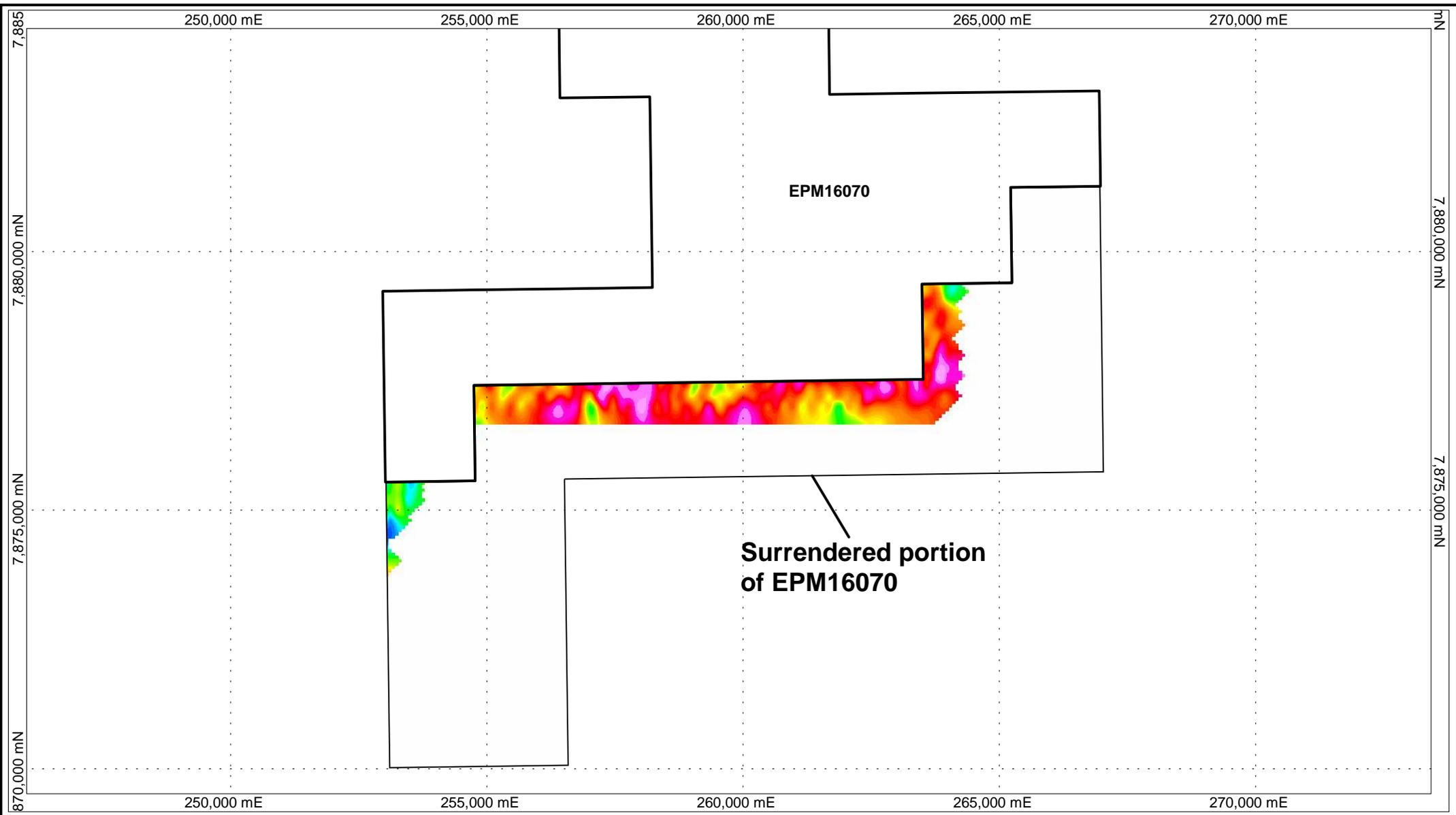


REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
 K Dixon
 COMPILED BY:
 K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 Radiometrics: Th**

DATE:
 02/04/2009
 PROJECTION:
 MGA (Zone 55)
 SCALE:
 1:100,000



LOCATION MAP



0 1 2 kilometres Scale 1:100,000



REGION: GEORGETOWN
 PROJECT: LYND
 DRAWING No: AUS_QLD_LYN_GP_13073a.wor

AUTHOR:
K Dixon
 COMPILED BY:
K Dixon

**LYND BLOCK 1 - EPM16070
 (SURRENDER AREA)
 SPECTREM AERIAL GEOPHYSICS SURVEY
 Radiometrics: U**

DATE:
02/04/2009
 PROJECTION:
MGA (Zone 55)
 SCALE:
1:100,000