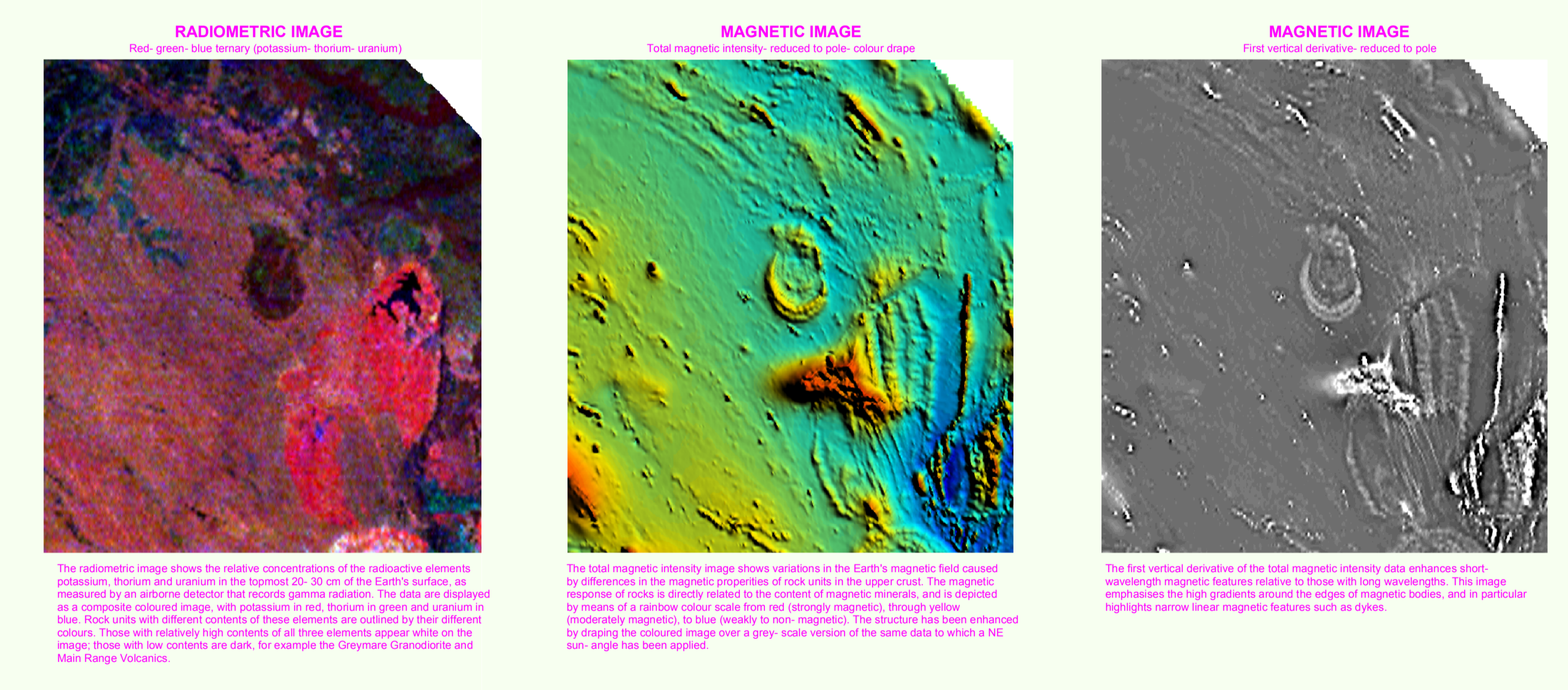


- QUATERNARY
Qa Flood plain alluvium; clay silt, sand, gravel
Qn Residual soil, colluvium, sand, silt
Qm SR, mur (black soil) - basal-derived alluvium
TERTIARY - QUATERNARY
TQa Residual deposits and pediment slope wash; clay, silt, sand, soil
TQb Poorly consolidated sand, gravel silt, clay
TQc High level rhyolite plug
Tm Olivine basalt lava, minor mudstone and sandstone
JURASSIC
Jm Shale, siltstone, thin tabular sandstone, coal, minor quartz sandstone
Jbn Lithotectonic table and subtable sandstone, siltstone, shale, minor coal, ferruginous ooite
Jbng Thick-bedded, medium to coarse-grained, quartzitic and feldspathic sandstone
Jbngb Massive, polymictic, pebble to cobble conglomerate, coarse-grained sandstone
EARLY TRIASSIC
Tr High level rhyolite sill
Tru Undivided felsic gneiss
RUBY CREEK GRANITE
Rgrt Pale pink to reddish pink, white, buff, brown or pale to medium grey, fine to medium-grained, even-grained to porphyritic, micritic biotite leucogranite, moderate magnetic response
Rgrm Pale pink to grey, mainly medium-grained, porphyritic, aegirine biotite (rarely + hornblende) monogranite to xenogranite, aegirine leucogranite
Rgrs Pale pink, greyish pink, white or brown, medium to locally fine-grained, uneven-grained to moderately porphyritic hornblende-biotite monogranite to moderately porphyritic hornblende-biotite monogranite
STANTHORPE GRANITE
Stg Pale pink, medium-grained, slightly porphyritic biotite monogranite, locally with rare mafic enclaves
Stgm Pale pink to pale pinkish grey, medium-grained, moderately porphyritic, aegirine biotite monogranite to xenogranite (locally), scarce feldspar, hornblende-biotite monogranite, fine-grained highly porphyritic aegirine monogranite
LATE PERMIAN
Pp Pale pink to greyish pink, medium-grained, slightly to moderately porphyritic hornblende-biotite monogranite
Ppm Pale pinkish grey to greyish pink or pale brown, medium to fine-grained, moderately to highly porphyritic (rarely) hornblende-biotite monogranite to granodiorite, with scattered mafic inclusions up to 30 cm across (up to 10 cm)
Pps Pale grey to pale pinkish grey, medium to fine-grained, moderately porphyritic hornblende-biotite monogranite, with traces of feldspar and aegirine, and sparse mafic inclusions up to 5 cm across
HERIES GRANITE
Hgr Medium to high magnetic response
Hgrm High magnetic response
Hgrs Very low magnetic response
PERMIAN
Pm Conglomerate, volcanoclastic arenite, rhyolite tuff
Pm1 Polymictic granule to boulder conglomerate, minor arenite and tuff
Pm2 Massive poorly sorted, dark grey rhyolite tuff, lapilli tuff and crystal tuff
EARLY PERMIAN
Pep Grey, medium-grained, uneven-grained to slightly porphyritic, quartz-rich, biotite leucogranite to granodiorite, minor granite
Pep1 Conglomerate, locally pebbly arenite, and minor siltstone, rhyolite to locally dyalitic breccia, tuff and some lava with minor calcareous arenite and limestone
ALUM ROCK CONGLOMERATE
Alc Recrystallized, sparsely fossiliferous limestone, local limestone/basalt breccia
TEXAS BEDS
Ckx Thin-bedded, locally massive and recrystallized, grey to cream chert, interbedded with subordinate argillite, local jasper
Ckx1 Thin-bedded, pink to brown jasper, interbedded with subordinate argillite, locally grades into grey chert
Ckx2 Thin to thick-bedded volcanoclastic arenite, containing numerous phyllic mudstone-chert (+jasper) intervals, sporadic meta-basalt lava flows and some silt, melange locally common
CHERT ENDS

- CAMBRIAN - DEVONIAN
Cdb Metac dominated volcanoclastic deposits, lava, and subvolcanic siliceous to thin-bedded volcanoclastic and facies sediments with some chert, local conglomerate and obsidian flow deposits, minor limestone
Cdb1 This medium bedded, tabular, partly volcanoclastic arenite and mudstone together with some chert, sporadic deposits of slump melange locally containing large outcrops of chert, volcanic rocks and limestone
Cdb2 Polymictic para-conglomerate and breccia containing large osteolitic blocks of chert, thin-bedded argillite, chert, mafic volcanic and limestone
Cdb3 Basaltic to locally dyalitic volcanoclastic deposits, including volcanic breccia and crystal tuff, together with some flows, subvolcanic volcanoclastic sediments, minor conglomerate lenses and limestone lenses
Cdb4 Variably recrystallized, locally fossiliferous limestone
Cdb5 Silicified, fine-grained, cherty, and/or crystalline siliceous tuff, interbedded with subordinate thin to medium-bedded, fine-grained, siliceous arenite and mudstone (turbidites)
H High magnetic response

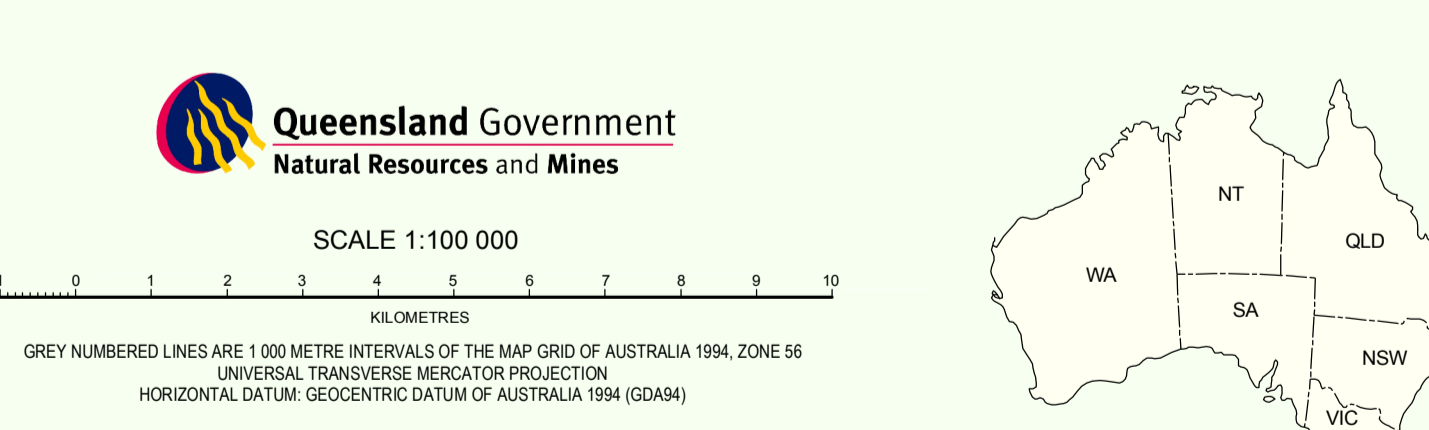
INDEX TO MINES AND PROSPECTS
Table listing mine and prospect names, locations, and coordinates. Includes columns for Mine Name, Location, and Coordinates.

- MINING SYMBOLS
Mine
Mine, abandoned
Prospect
Prospect, abandoned
Alluvial workings, abandoned
Mineral occurrence
Quarry, major
MAGNETIC IMAGE
Total magnetic intensity, reduced to pale colour stage
FIELD OBSERVATION POINTS
Point

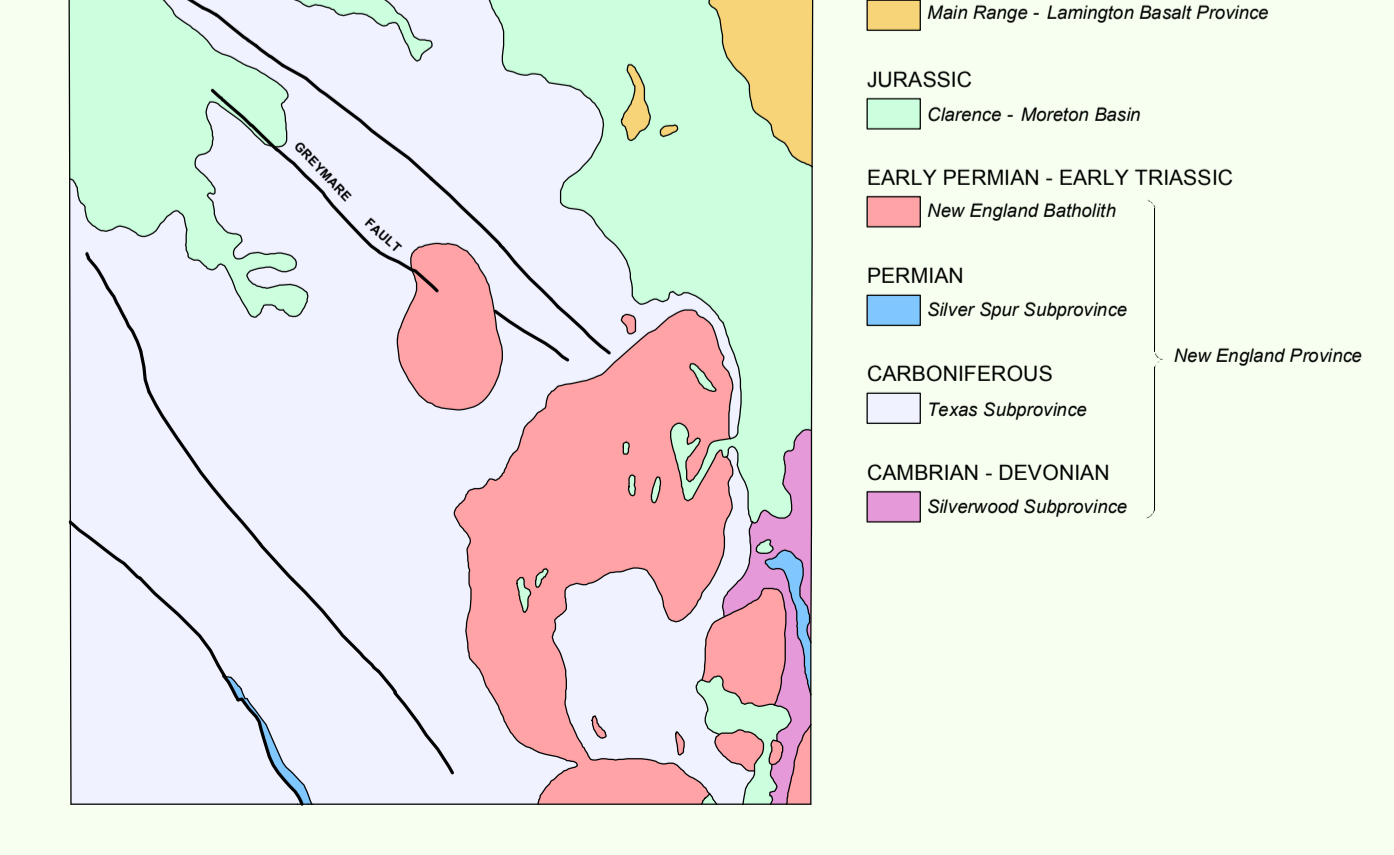
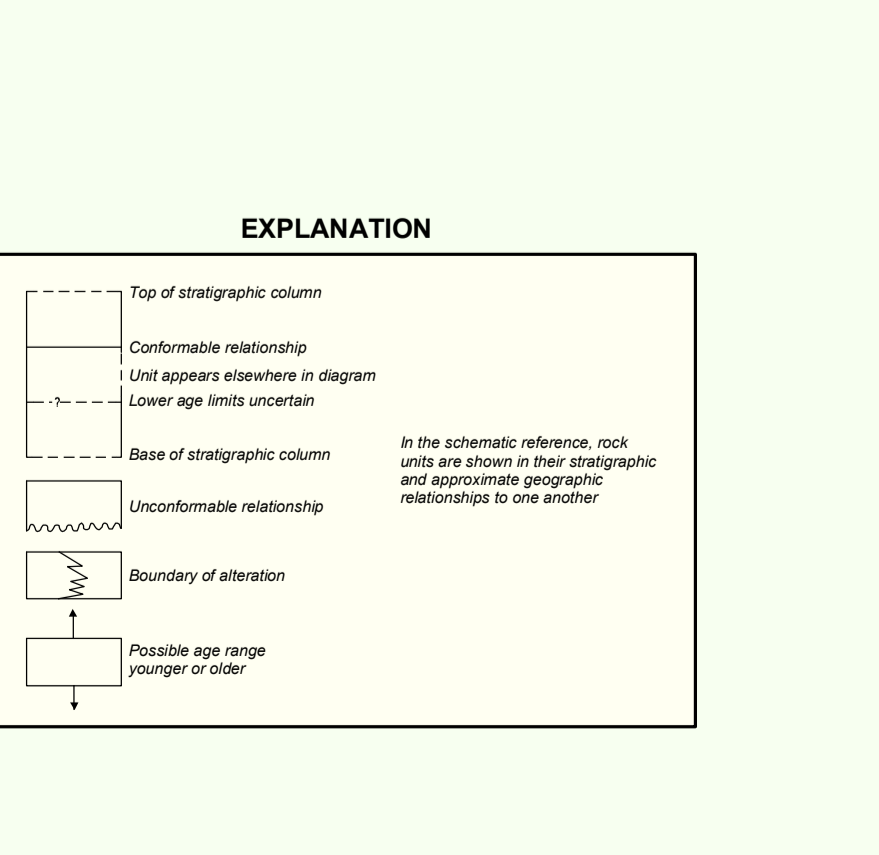
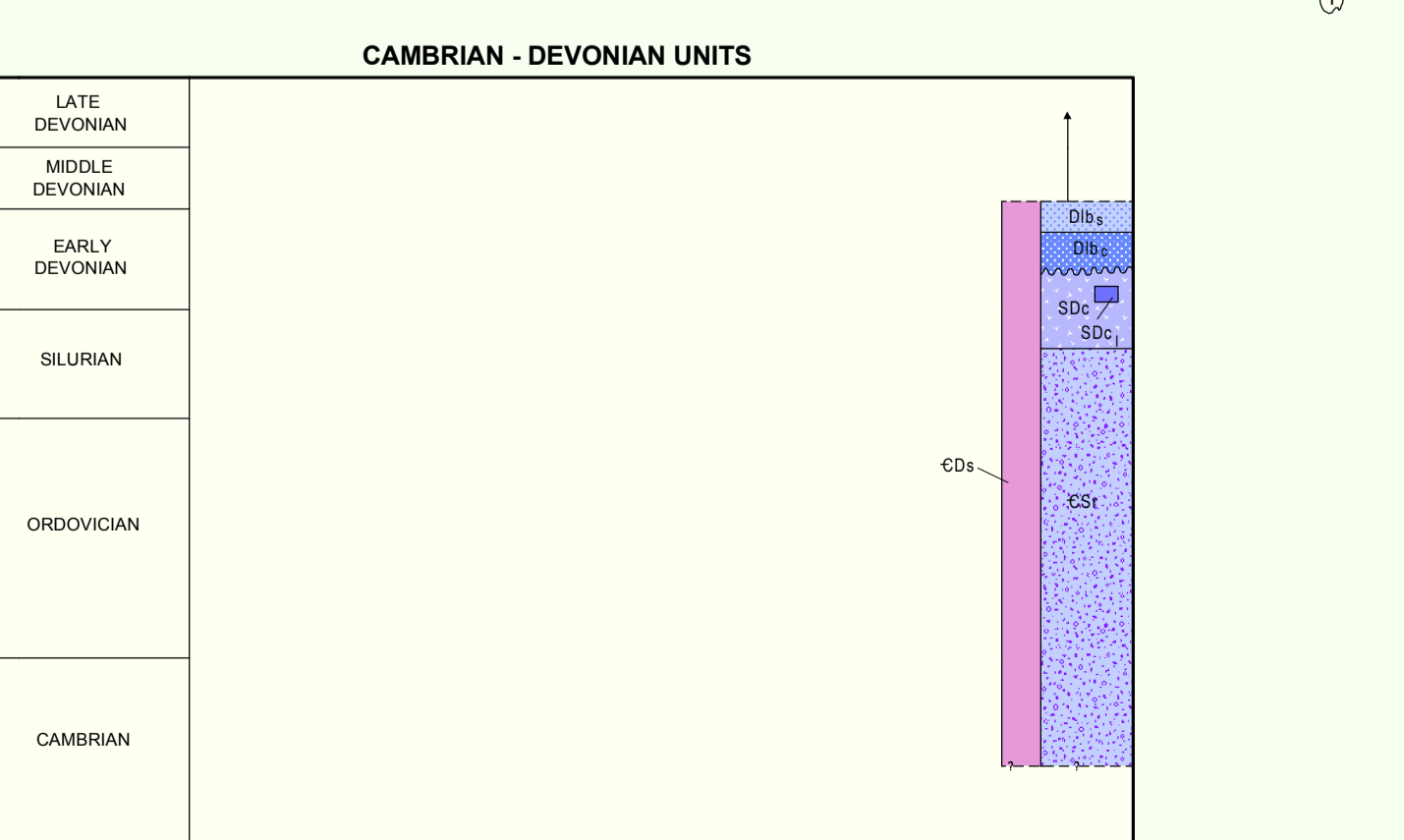
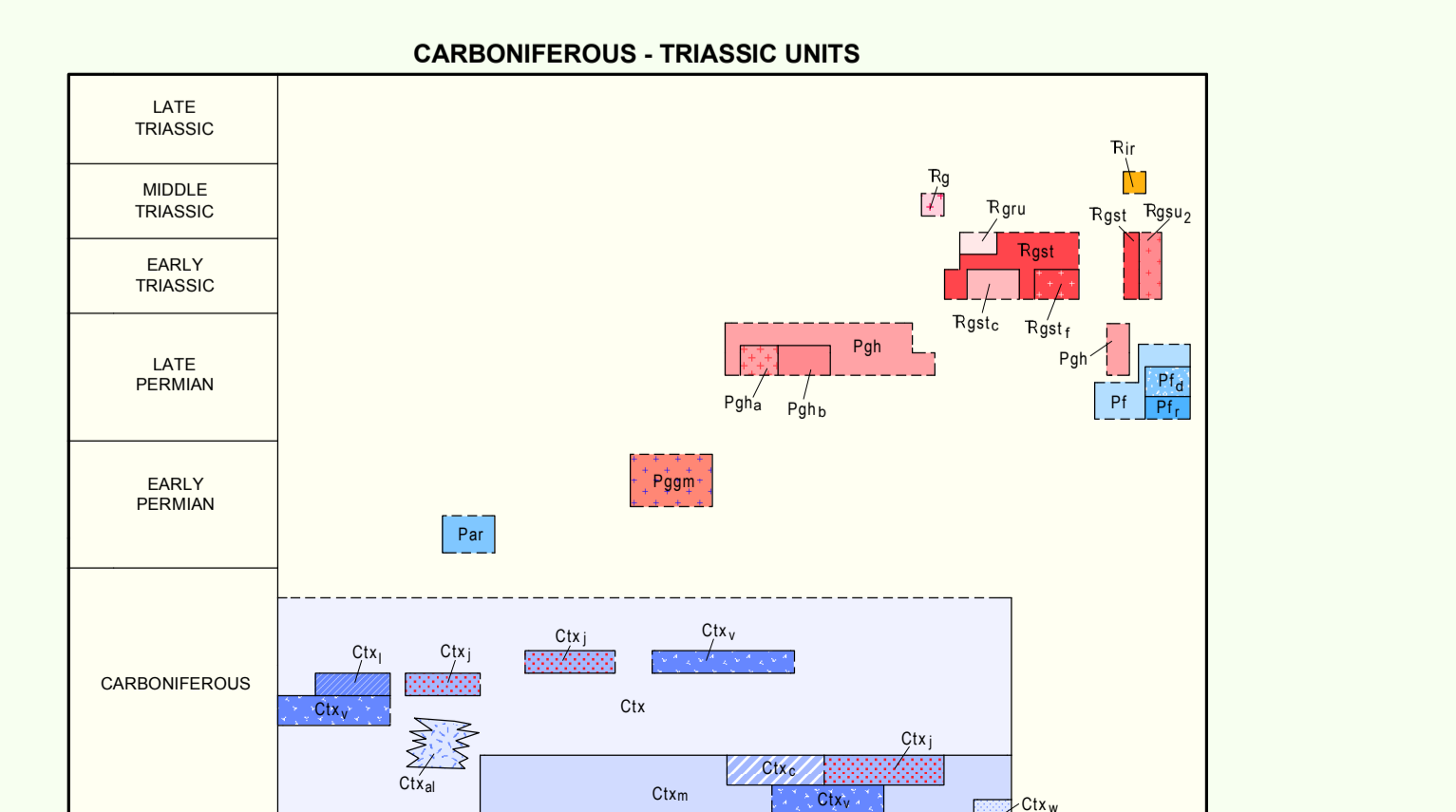


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Cartography by R. J. Rapin, Graphic Services Unit, Natural Resources, Queensland

INDEX TO 1:100 000 MAPS
Table listing map sheets and their corresponding grid coordinates.



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- TOPOGRAPHICAL AND CULTURAL FEATURES
Highway, route marker
Secondary road
Minor road
Vehicle track
Railway, station
Homestead
Building
Topographical station
GEOLOGICAL SYMBOLS
Geological boundary
Fault
Fault showing relative displacement: up, down
Thrust fault: Triangle on older rocks
Dyke or vein: - granite, - basalt to intermediate composition
Where location of boundaries, faults and dykes is approximate, line is broken, where inferred, dashed; where concealed, boundaries and faults are dotted; dykes are shown by short dashes
Strike and dip of strata, younging unknown
Strike and dip of overlain strata
Trend line
Asymptote interpretation
Strike and dip of cleavage
Top of bed indicated by cross bedding, arrow shows younging
Top of bed indicated by graded bedding, arrow shows younging
Radiation age determination
Isotopic age in million of years
Urs - uranium-lead (SHRIMP) method
z - zircon
MAGNETIC INTERPRETATION
Magnetic interpretation is shown in magnets using standard geological lineaments.
Lineaments in magnets include the extent of magnetic units, or anomalies associated with concealed magnetic units, interpreted from airborne magnetic data.