



**LEGEND**

Magnetic or radiogenic drainage, laterite, sheetwash

Normally magnetized dyke & fracture zone

Reversely or weakly magnetized dyke & fracture zone

Inferred, late, non-magnetic intrusive or alteration

Inferred, late, magnetic intrusive or alteration

Isolated magnetic feature: noise, culture, possible intrusive or alteration

Undifferentiated Palaeozoic sediments. Mostly under Cainozoic cover

Carboniferous, Eclipse Sandstone, Sandstones, conglomerates, greywackes etc. Mostly under Cainozoic cover.

Magnetic units/stratigraphy within the Carboniferous. Eclipse Sandstone. Mostly under Cainozoic cover.

Undifferentiated Devonian & Ordovician sediments. Mostly under Cainozoic cover.

Undifferentiated Cambrian & Ordovician sediments. Mostly under Cainozoic cover.

Magnetic units/stratigraphy within the Cambrian & Ordovician sediments. Mostly under Cainozoic cover.

Undifferentiated Adelaidean/Neoproterozoic sediments. Includes Vaughan Springs Quartzite and Mt. Doreen Fm. Partly from published mapping.

Magnetic units/stratigraphy within the Adelaidean/Neoproterozoic sediments. Includes Vaughan Springs Quartzite and Mt. Doreen Fm.

Inferred weakly to non-magnetic, granitic intrusive. May contain substantial gneissic-metamorphic component. Mid Proterozoic.

Inferred moderately magnetic, granitoids, predominantly intrusive. May contain substantial gneissic-metamorphic component. Mid Proterozoic.

Inferred granitic intrusive at depth or intermixed metamorphics and granitoids. Mid Proterozoic.

Undifferentiated, weakly to non magnetic mid to lower Proterozoic basement metamorphics and granitoids.

Undifferentiated, weakly to moderately magnetic mid to lower Proterozoic basement metamorphics and granitoids.

Weakly magnetic 'stratigraphic' horizon within the lower-mid Proterozoic basement. Includes xenoliths in granitoids.

Moderately magnetic 'stratigraphic' horizon within the lower-mid Proterozoic basement.

Strongly magnetic 'stratigraphic' horizon within the lower-mid Proterozoic basement.

Magnetic basement at depth below Palaeozoic sediments.

Anomalous or elevated uranium channel radiometric anomalies (Preliminary).

Inferred major fault or fracture zone. Hatching indicates inferred dip direction (usually uncertain).

Inferred secondary fault or fracture zone.

Inferred minor fault or fracture zone.

Arrow indicates down throw side of steep fault

Inferred mylonite, fracture or alteration zone

Inferred fold axes [antiformal or synformal]. Partly from published mapping

Magnetic contact

Magnetic trend, minor unit. Stratigraphy or drainage

Radiometric contact.

Radiometric trend or minor magnetic unit. Stratigraphy or drainage

Stratigraphic trend/unit in Palaeozoic sediments

Unconformity

Tenement Applications

Tenement EL Applications

Uranium mineral occurrence

Copper mineral occurrence

Lead mineral occurrence

654 000 E 728 000 E 802 000 E 875 000 E

7 560 000 N

SHEET 1 SHEET 2 SHEET 3

7 474 500 N

7 560 000 N

7 500 000 N

7 460 000 N

0 5,000 10,000

meters

SCALE 1:100000

DATUM: GDA84

ELLIPSOID: GR83

GRID: MGA ZONE 52S

**SOUTHERN GEOSCIENCE CONSULTANTS PTY. LTD.**  
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**ENERGY METALS LTD**  
**BIGRLY1 PROJECT**  
**AEROMAGNETIC AND RADIOMETRICS**  
**INTERPRETATION**  
**SHEET 3 OF 3**

SCALE: 1:100 000	GEO: B. CRAVEN
DATE: 21-02-2008	GIS: J. BRODIE
PlanFig:	Filename: Bigrly1_sh3_100k.plt