



11 February 2008

ASX Announcement

NEW TARGETS AT GUM CREEK

- **EM survey identifies three strong conductors at Thangoo**
- **RC drilling confirms nickel sulphide potential at Python Prospect**
- **VTEM and IP surveys planned over Project areas**

Legend Mining Limited ("Legend") (ASX:LEG) today announced the results from recently completed ground EM surveys and Reverse Circulation (RC) drilling over its Gum Creek Project in Western Australia, see Figure 1.

Legend Managing Director Mark Wilson said, "The strong EM conductors identified at Thangoo have provided immediate drill targets and an aircore rig is due on site in March to progress the next phase of exploration".

"The recent drilling at the Python prospect has provided encouragement for us to continue evaluating the Ni-Cu-PGE mineralisation, as well as looking at other positions along the margin of the Bungarra Intrusive Complex".

"We have booked an IP survey for Python and a VTEM survey over the entire intrusive complex, which allows us to test the 18km of the complex margin in one hit. This geophysical method has proved to be highly successful in identifying quality targets over our Pilbara Project and we are looking for a similar result here".

Technical Summary

The Gum Creek Project is divided into three areas, Bungarra, Thangoo and Woodley, which are considered prospective for both intrusion-related (Ni-Cu-PGE) and komatiite flow-related (Ni) sulphide mineralisation, see Figure 1. A discussion of recently completed exploration results from the Bungarra and Thangoo areas is provided below.

THANGOO

During September 2007, a total of 89 aircore holes for 5,694m were completed at Thangoo targeting ultramafic units identified previously by ground reconnaissance and/or interpreted from aeromagnetic data. The drilling intersected ultramafic rocks with classic spinifex and olivine cumulate textures on several traverses and together with high MgO values (>18%) confirmed the ultramafics as komatiites. The drilling intersected broad zones of elevated nickel, the details of which were announced on 30 October 2007 and are summarised below in Table 1.



Table 1: Aircore Drill Results

Hole	Easting	Northing	From	To	Int	Ni %	Cr %	Cu %	Co %
LGCA072	739700	6969900	16	60	44	0.51	1.11	0.001	0.022
Incl.			24	36	12	0.68	1.31	0.001	0.040
LGCA073	739750	6969900	24	28	4	0.53	0.05	0.020	0.059
LGCA079	739400	6970600	8	41 EOH	33	0.52	1.25	0.006	0.035
LGCA114	740950	6965600	12	67 EOH	55	0.51	0.75	0.006	0.055
LGCA117	741100	6965600	12	32	20	0.53	1.09	0.005	0.042
LGCA121	741300	6965600	24	56	32	0.63	0.71	0.007	0.067

All aircore holes inclined -60° deg to 270°, co-ordinates GDA_94 Zone 50.
 Samples collected by scoop and composited over 4m intervals.
 Nickel (Ni), Chromium (Cr), Copper (Cu) & Cobalt (Co) assayed by XRF at Ultra Trace Pty Ltd, Perth.

Based on these encouraging results and the possible presence of nickel mineralisation at depth or along strike a reconnaissance RC drill programme was undertaken.

Eight RC drillholes (LTHC001-008), for a total of 1,209m, were completed at Thangoo during December 2007. The drilling targeted anomalous Ni-Cu geochemistry within a favourable geological setting (komatiite-black shale contacts) identified in the earlier aircore programme. Drillhole details for the RC programme are provided in Table 2, while a summary of drill results is provided in Table 3.

Table 2: Thangoo RC Drillhole Details

Hole	Easting MGA_94	Northing MGA_94	Dip	Azi (Mag)	Depth
LTHC001	740880	6965600	-60 ⁰	270 ⁰	159
LTHC002	740975	6965600	-60 ⁰	270 ⁰	165
LTHC003	741175	6965600	-60 ⁰	270 ⁰	121
LTHC004	741375	6965600	-60 ⁰	270 ⁰	177
LTHC005	741185	6965600	-60 ⁰	90 ⁰	153
LTHC006	739775	6969900	-60 ⁰	270 ⁰	159
LTHC007	739425	6970600	-60 ⁰	270 ⁰	155
LTHC008	740430	6971450	-60 ⁰	270 ⁰	120
Total					1,209



Table 3: Thangoo RC Drill Results

Hole	From	To	Int	Ni %	Cr %	Cu %	Co %
LTHC001	36	60	24	0.29	0.56	0.008	0.029
LTHC001	88	128	40	0.26	0.82	0.006	0.017
LTHC002	12	92	80	0.35	0.63	0.010	0.034
Incl	60	68	8	0.51	0.67	0.007	0.038
LTHC003	72	84	12	0.31	0.67	0.006	0.026
LTHC004	16	32	16	0.36	0.65	0.035	0.061
LTHC005	24	60	36	0.31	0.87	0.007	0.029
LTHC006	28	48	20	0.36	0.21	0.009	0.042
LTHC007	28	52	24	0.30	0.68	0.002	0.018
LTHC007	136	140	4	0.40	0.01	0.027	0.025
LTHC008	32	76	44	0.24	0.99	0.014	0.016

Nickel (Ni), Chromium (Cr), Copper (Cu) & Cobalt (Co) assayed by XRF at Ultra Trace Pty Ltd, Perth
 Samples collected by spear and composited over 4m intervals..

The results from the RC drilling programme are of similar tenor to the aircore drilling and have downgraded the nickel potential over the targeted ultramafic horizons.

Two ground Moving-Loop Time Domain Electromagnetic surveys (MLTEM) were completed in January 2008, to further evaluate the ultramafic (komatiite) units with anomalous nickel drill results and associated elevated aeromagnetic response. The EM survey identified three strong conductors on the eastern flank of the survey area, however did not identify conductors over the targeted ultramafic units, see Figure 2.

These conductors have not been covered by geochemical sampling and have only limited shallow aircore drilling. The limited drilling indicates the conductors are related to black shale in direct contact with ultramafic units of komatiitic affinity and represent priority drill targets.

Next Phases of Work

- Aircore drill testing of the three strong ground EM conductors is planned for March.
- Legend is also planning an airborne Versatile Time Domain Electromagnetic (VTEM) survey over the eastern portion of Thangoo to assist with identifying new target areas. The VTEM technique is an efficient and cost effective way to rapidly assess large areas and define targets for further exploration. The VTEM survey is planned to commence shortly.

BUNGARRA – Python Prospect

Legend initially discovered an outcropping gossan hosted by gabbroic rocks at/near the basal margin of the layered mafic-ultramafic Bungarra Intrusive Complex (BIC). Assays of rock grab samples returned up to 1.0% Ni, 5.7% Cu and 0.7g/t PGE. Follow-up ground Moving Loop Transient Electromagnetic (MLTEM) surveying was used to target drilling, with diamond drillhole (LGCD001) completed in October 2007. Results were announced on 15 November 2007 and summarised in Table 4 below.



Table 4: LGCD001 - Summary Assay Results

Hole ID	From	To	Int	Pt ppb	Pd ppb	Pt+Pd ppb	Ni %	Cu %
LGCD001	7	15	8	35	256	291	0.10	0.21
LGCD001	40.7	41.2	0.5	150	511	661	0.25	0.29
LGCD001	51.4	57	5.6	49	268	317	0.16	0.15
LGCD001	69	70	1	159	212	371	0.03	0.08
LGCD001	138	140	2	108	62	170	0.07	0.14

Nickel (Ni) and Copper (Cu) assayed by XRF. Platinum (Pt), Palladium (Pd) assayed by 40g fire assay (lead collection) ICP-MS at Ultra Trace Pty Ltd, Perth.

Sampling based on nominal 1m intervals of half-NQ2 drill core unless otherwise indicated.

1 percent (%) = 10,000 parts per million (ppm). 1 part per million (ppm) = 1,000 parts per billion (ppb)

Based on the results from LGCD001, a programme of seven Reverse Circulation (RC) drillholes (LPYC001-007) for a total of 904m was completed during December 2007. The drilling was located along strike of diamond drillhole LGCD001, targeting beneath gossanous float with coincident ground EM conductors, interpreted to be associated with the basal margin of the BIC. Drillhole details for the RC/diamond drillholes are provided Table 5, while a summary of drill results from the RC drilling is provided in Table 6.

Table 5: Python RC and Diamond Drillhole Details

Hole	Easting	Northing	Drill Type	Dip	Azi (Mag)	Depth
LPYC001	749920	6980350	RC	-60 ⁰	90 ⁰	165
LPYC002	750000	6980300	RC	-60 ⁰	90 ⁰	120
LPYC003	749950	6980300	RC	-60 ⁰	90 ⁰	175
LPYC004	749950	6980400	RC	-60 ⁰	90 ⁰	80
LPYC005	749900	6980400	RC	-60 ⁰	90 ⁰	133
LPYC006	750140	6980200	RC	-60 ⁰	90 ⁰	81
LPYC007	749900	6980075	RC	-55 ⁰	60 ⁰	150
LGCD001	750040	6980350	Diamond	-70 ⁰	270 ⁰	200.8
Total						1,104.8

Table 6: Python RC Drill Results

Hole	From	To	Int	Pt ppb	Pd ppb	Pt+Pd ppb	Ni %	Cu %
LPYC001	56	84	28	-	-	-	-	0.17
LPYC001	76	80	4	175	225	400	0.16	0.41
LPYC001	140	165 EOH	25	138	59	197	0.02	0.01
LPYC003	80	104	24	-	-	-	-	0.11
LPYC004	12	16	4	20	45	65	0.10	0.14
LPYC004	64	80 EOH	16	165	55	220	0.03	0.01
LPYC005	76	80	4	40	255	295	0.15	0.25
LPYC006	28	44	16	29	130	159	0.08	0.12

Nickel (Ni) and Copper (Cu) assayed by XRF. Platinum (Pt), Palladium (Pd) assayed by 40g fire assay (lead collection) ICP-MS at Ultra Trace Pty Ltd, Perth.

Samples collected by spear and composited over 4m intervals.

1 percent (%) = 10,000 parts per million (ppm). 1 part per million (ppm) = 1,000 parts per billion (ppb)



The RC and diamond hole results have provided sufficient evidence of nickel in sulphide mineralisation to warrant further evaluation of the prospect, and also at other positions along the margin of the BIC, i.e. Dugite and Adder prospects. In addition, there is encouragement for base metal mineralisation adjacent to the BIC and to the immediate south of Python. Previous RC drilling to the immediate south of Python by CRA Exploration Pty Ltd returned intersections of 7m @ 5.7% Cu, 0.52% Zn and 18.6 g/t Ag from 41m in 88MTP09 and 10m @ 2.35% Zn, 0.32% Cu and 5.7 g/t Ag from 82m in 88MTP10.

Next Phases of Work

- An IP survey over the Python prospect, and extensions to the north and south, is planned. The survey is aimed at defining sulphide zones similar to that intersected in the diamond hole.
- Legend is also planning an airborne VTEM survey over the entire BIC to assist with identifying new target areas. The survey will target Ni-Cu-PGE mineralisation associated with the BIC, as well as base metals in the adjacent felsic volcanic and sedimentary package. The survey will be flown in conjunction with the Thangoo area and is planned to commence shortly.

Background

Legend currently hold interests in three Projects in WA, namely Gum Creek, Pilbara and Mt Gibson. Of these, Legend operates and is actively exploring the Gum Creek and Pilbara Projects, while Oxiana Limited (ASX:OXR) manages the Mt Gibson JV.

The Gum Creek Project (nickel-copper-platinum group element) is located 640km northeast of Perth in the Yilgarn Province. It is considered prospective for both intrusion-related (Ni-Cu-PGE) and komatiite flow-related Ni-sulphide mineralisation.

The Pilbara Project (nickel-copper, zinc-copper) comprises 724km² of tenure in the West Pilbara, all within 50km of Karratha. Legend and Fox Resources Limited (ASX:FXR) independently control a dominant portion of this emerging and exciting base metal district. Legend has already identified eleven priority base metal drill targets.

The Mt Gibson Project (zinc-copper-gold), located 290km northeast of Perth in the Murchison Province, was recently farmed-out to Oxiana, who operate the world class VHMS base metal mine at Golden Grove situated 100km to the north. Oxiana has committed to spend a minimum of \$1.2M in the first 18 months and to spend \$10M over a seven year period to earn a 75% interest in the Project.



Visit www.legendmining.com.au for further information and announcements.

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The information in this announcement that relates to Exploration Results has been reviewed by Mr Derek Waterfield, a Member of the Australian Institute of Geoscientists and a full time employee of Legend Mining Limited. Mr Waterfield has sufficient relevant experience in the styles of mineralisation and types of deposit under consideration, and in the activity he is undertaking, to qualify as a Competent Person as defined in the 2004 Edition of the "Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the JORC Code), and consents to the inclusion of the information in the form and context in which it appears.

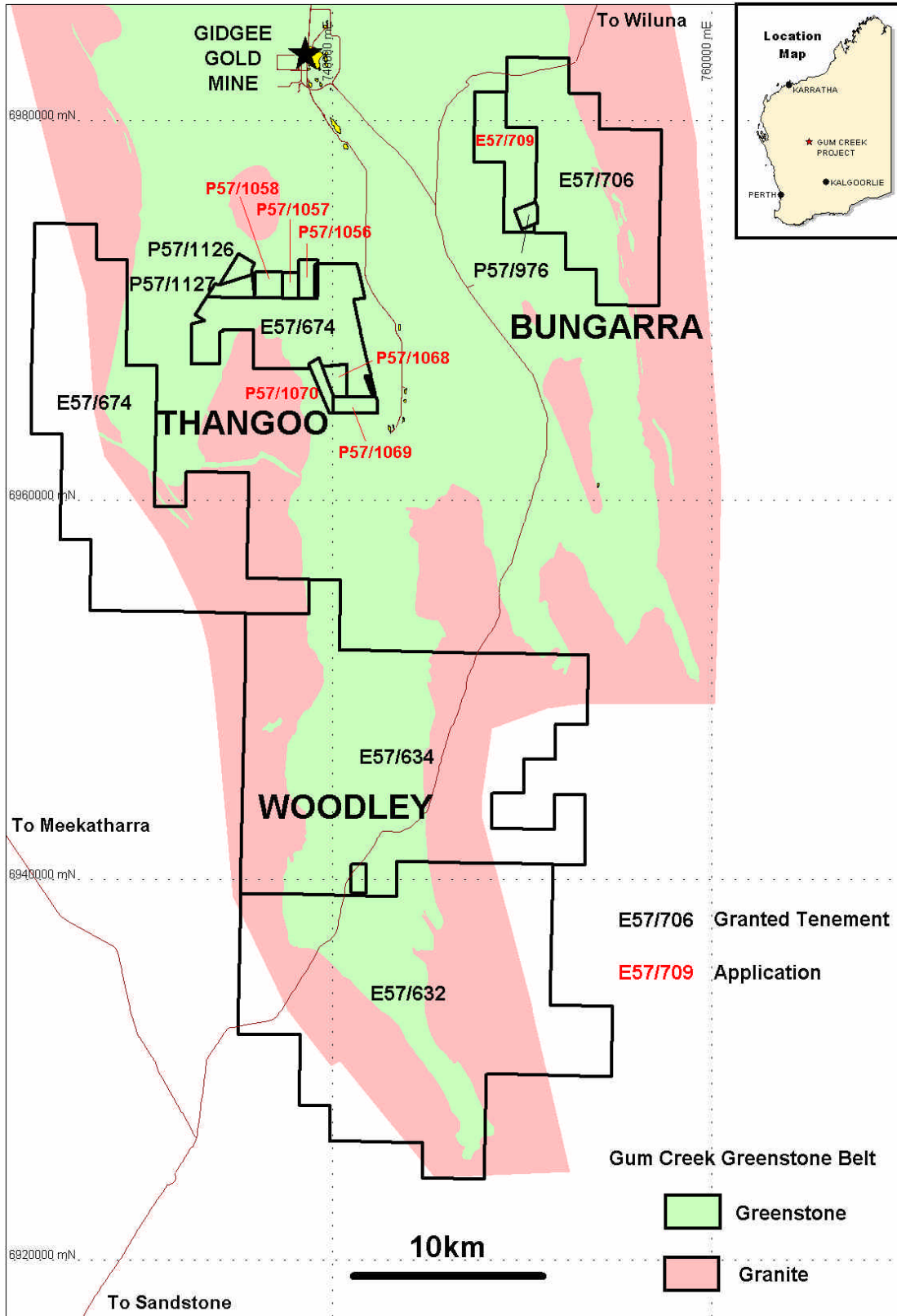


Figure 1: Gum Creek Project - Tenement Location Plan and Simplified Geology

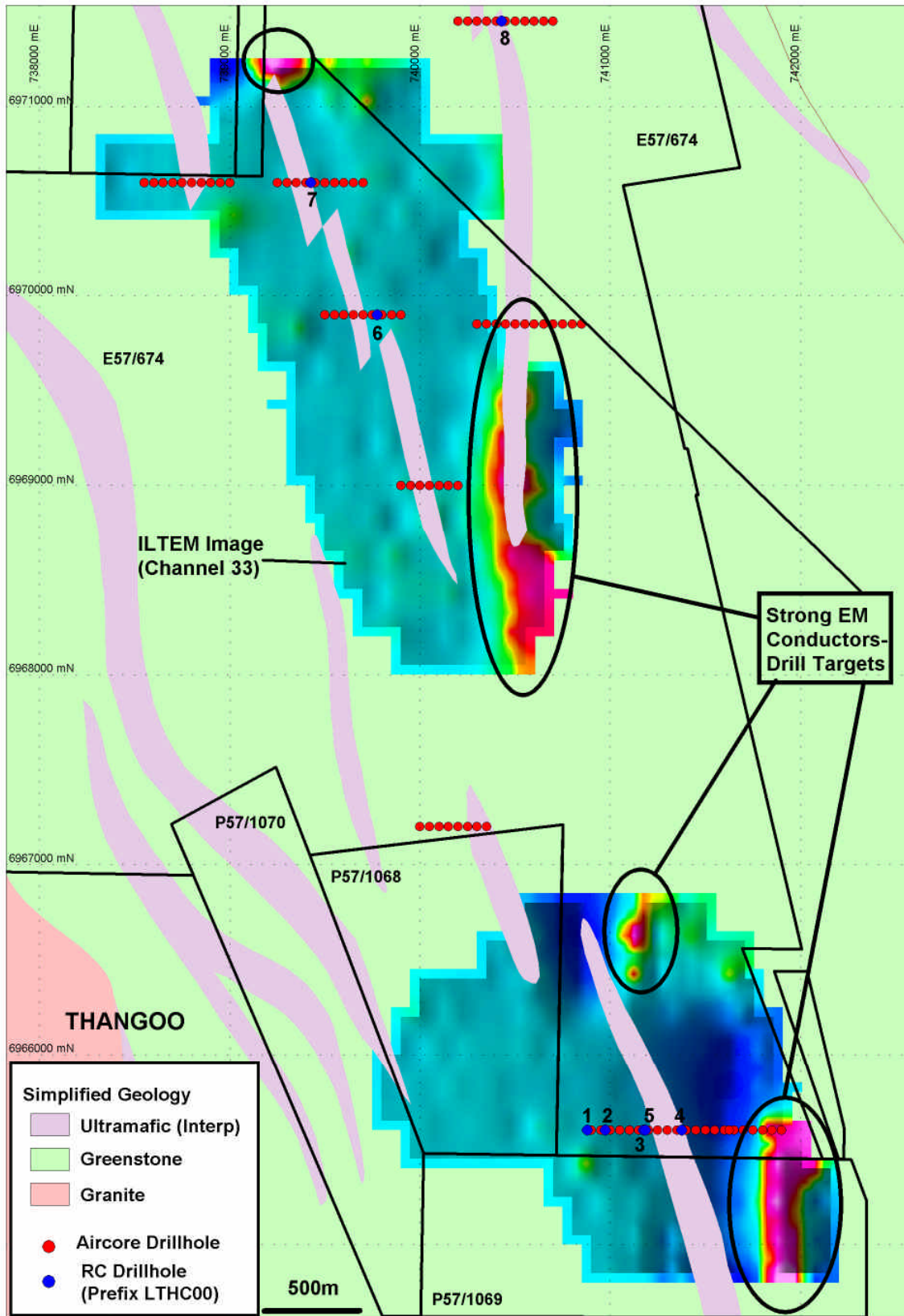


Figure 2: Thangoo – Simplified Geology with Ground EM Image and Drillhole Locations

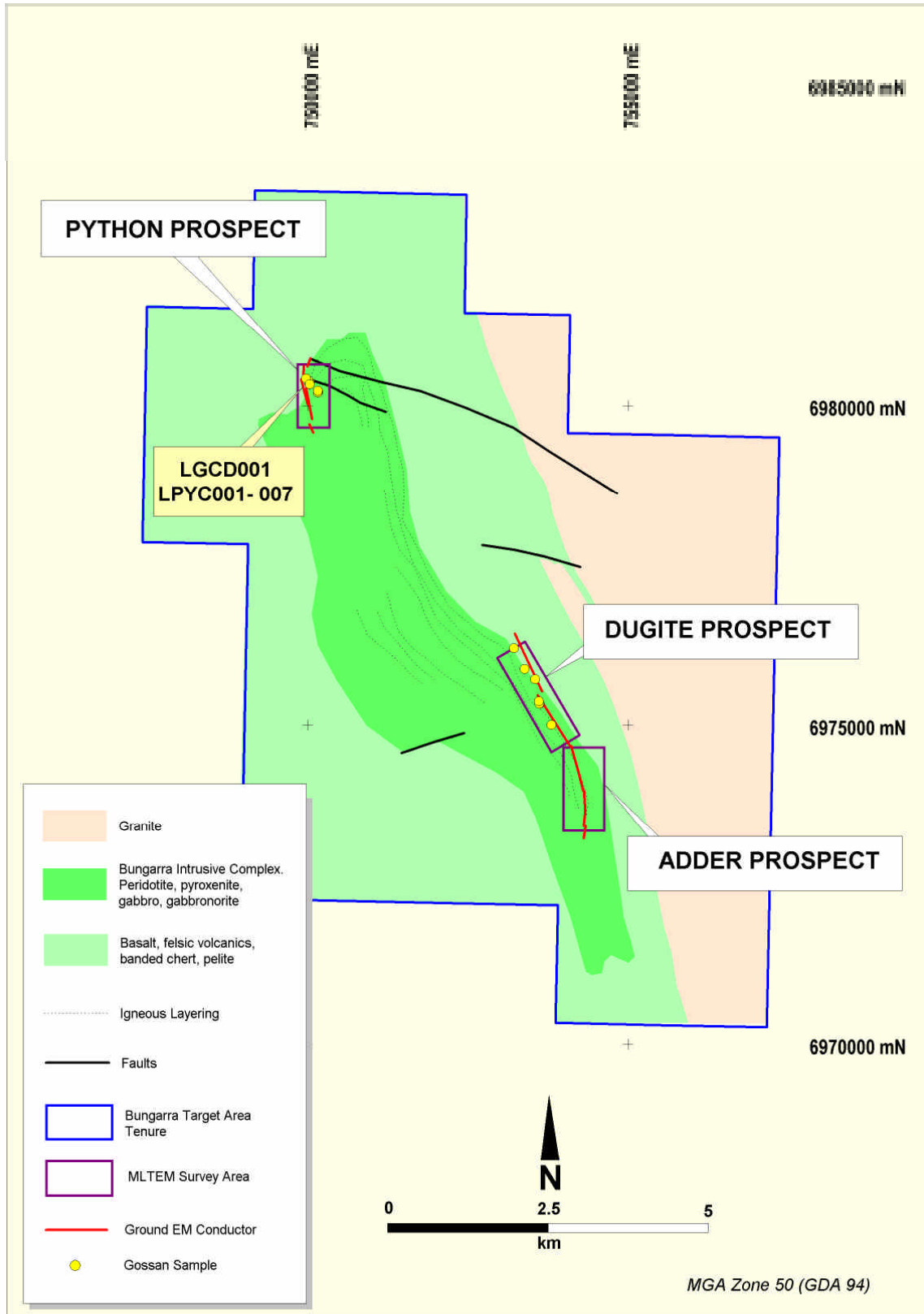


Figure 3: Bungarra – Drill Hole Location, Prospects, EM Conductors and Gossan Samples