



RAVENSTHORPE

NICKEL SULPHIDE PROJECT UPDATE

HIGHLIGHTS

- Ground checking confirms presence of nickel sulphides in holes drilled by previous explorers.
- Airborne Versatile Time Domain Electromagnetic (VTEM) and high-resolution magnetic and radiometric surveys completed.
- Several new areas of outcropping ultramafic identified.

Details

Ground checking by Athena Resources Limited (Athena or the Company) to verify the location of holes drilled over the Oldfield Option area at Ravensthorpe by previous explorers confirmed the presence of disseminated nickel sulphides in two RAB holes (OR7 and OR34) drilled by Normandy Mining (Figure 1).

Targets have been identified for immediate drill testing. The drilling will commence as soon as statutory approvals have been obtained. The location of the proposed holes in relation to the historic drill holes with nickel sulphides is shown in Figures 1 and 2.

Geotech Airborne Limited (Geotech) has completed eleven airborne electromagnetic surveys over targets on the Ravensthorpe project targeting nickel-copper sulphide mineralisation for Athena. The surveys were conducted using helicopter-supported Versatile Time-domain Electro Magnetic (VTEM) system. The final processed data sets are expected to be delivered in 4-6 weeks.

As an adjunct to the VTEM survey, Athena commissioned Universal Tracking Systems (UTS) to fly high-resolution aeromagnetic and radiometric surveys over two areas (Figure 3). The magnetic and radiometric surveys were flown at 25 and 50 metre line spacing respectively with the objective of mapping prospective mafic-ultramafic stratigraphy and possible controlling structures.

There is a strong correlation between areas of outcropping ultramafic units and magnetic highs, and mapping by Athena's geologists has confirmed the location and extent of ultramafic units hosting the nickel sulphide mineralisation at the Oldfield prospect. The main ultramafic body on the eastern side of the prospect has a strike length of approximately 600 metres within a broader anomaly, which is 1,100 metres long. At its widest point the main anomaly is 900 metres wide.

Field checking of a number of magnetic anomalies to the north of the known nickel sulphide occurrences at the Oldfield prospect has confirmed that the anomalies have outcropping adcumulate and mesocumulate textured ultramafic. These untested anomalies have magnetic signatures that are similar to Oldfield in terms of texture and amplitude of response (Figure 3).

The provisional VTEM data shows a number of anomalous EM responses that occur outside of the area covered by the previous drilling. Final interpretations and evaluation of these anomalies on the ground is dependent on the delivery of the final data sets by the contractor.

Significant intercepts for the previous drilling at the Oldfield prospect are listed in Tables 1 and 2 below.

**Table 1 - Significant nickel intercepts in diamond drilling
Nickel Search NL 1972 Drilling**

Hole ID	Local East	Local North	Dip	Direction	Interval (m)	Intercept	Comments	
RDH1	10200	9784	-90°	-	42.7 - 48.8	6.1m at 0.70% Ni		
					57.9 - 61.0	3.1m at 0.62% Ni		
					62.7 - 71.2	4.0m at 0.44% Ni	Disseminated Sulphides	
RDH 2	10379	9749	-70°	-70°	25.9 - 83.2	57.3m at 0.44%Ni		
					Inc	25.9 - 44.8	18.9m at 0.56% Ni	
					&	55.5 - 61.0	5.5m at 0.45% Ni	
					&	68.6 - 75.4	6.8m at 0.45% Ni	
RDH3	10509	9889	-55°	250°	22.9 - 57.9	35.0m at 0.63% Ni		
					Inc	52.1 - 57.9	5.8m at 0.93% Ni	Disseminated Sulphides
						69.5 - 73.3	3.8m at 0.50% Ni	Disseminated Sulphides

**Table 2 - Sulphide nickel intercepts in RAB Drilling
Normandy Poseidon 1992/1993**

Hole ID	Local East	Local North	Dip	Interval (m)	Intercept	Comments
OR 7	9780	9400	-90	18 - 22 EOH	2m at 0.43% Ni	Disseminated Sulphides
OR 34	10000	9400	-90	16 - 17 EOH	5m at 0.43% Ni	Disseminated Sulphides

Background

Athena listed on the ASX on 22 November 2006 having raised \$2,400,000. The company has interests in three districts; Ravensthorpe, Ashburton and the recently acquired Byro Project. The locations of the Company's projects are shown in Figure 4.



Athena has exploration rights over 1,624km² in the Ravensthorpe District through granted tenements, tenement applications and option agreements. The Company is exploring for nickel-copper sulphides associated with a series of differentiated dykes. Little previous exploration has been carried out specifically targeting mafic and ultramafic rocks of this type in the Ravensthorpe area.

The Company has a two year option agreement to acquire 75% of the Oldfield River nickel sulphide project from Ucabs Pty Ltd for a total of \$3.7 million in cash and shares. The project consists of a single granted exploration licence (E74/218) of 24 km² within Athena's existing tenement holding.

The Ashburton project consists of one granted mining lease and three contiguous exploration licence applications covering approximately 970 km². The combination of folds and thrust faults in rocks of the Ashburton and Capricorn formations, and granite intrusions are of particular interest for Telfer style saddle reef copper-gold systems. The area was identified using regional geophysics which show a number of features typically associated with large mineral systems.

At Byro in Western Australia's Gascoyne Region Athena has an 80% interest six tenements applications over approximately 3,000 km². The exploration target is nickel-copper sulphides in ultramafic and gabbroic intrusive rocks following a similar exploration model for that proposed for the Ravensthorpe Project. The Byro area was identified using gravity and magnetic data, which showed a number of under-explored and poorly known mafic intrusions on the northwest margin of the Yilgarn Craton.

Donald Thomson
Technical Director
11 April 2007

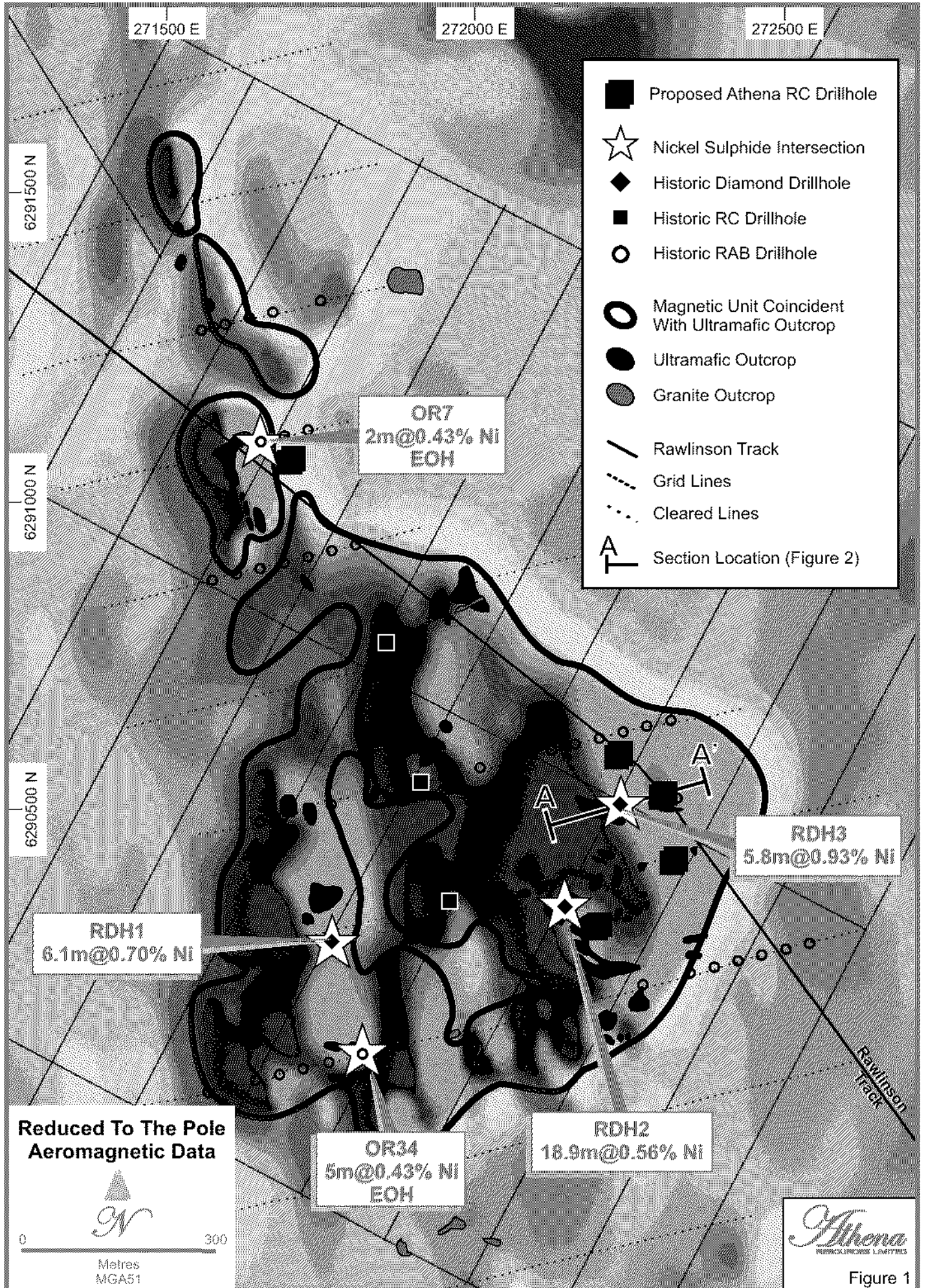
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The technical information relating to Athena's exploration projects was compiled by Mr Donald Thomson, an employee of Indigo Exploration Services Pty Ltd. Mr Thomson is a Member of the Australian Institute of Mining and Metallurgy, and has sufficient relevant experience in the styles of mineralisation and deposit styles under consideration to qualify as a Competent Person as defined in "The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code, 2004 edition)". Mr Thomson consents to this inclusion of the information in this report in the context and format in which it appears.

PROPOSED DRILLING LOCATIONS



PROPOSED DRILLHOLE CROSS-SECTION

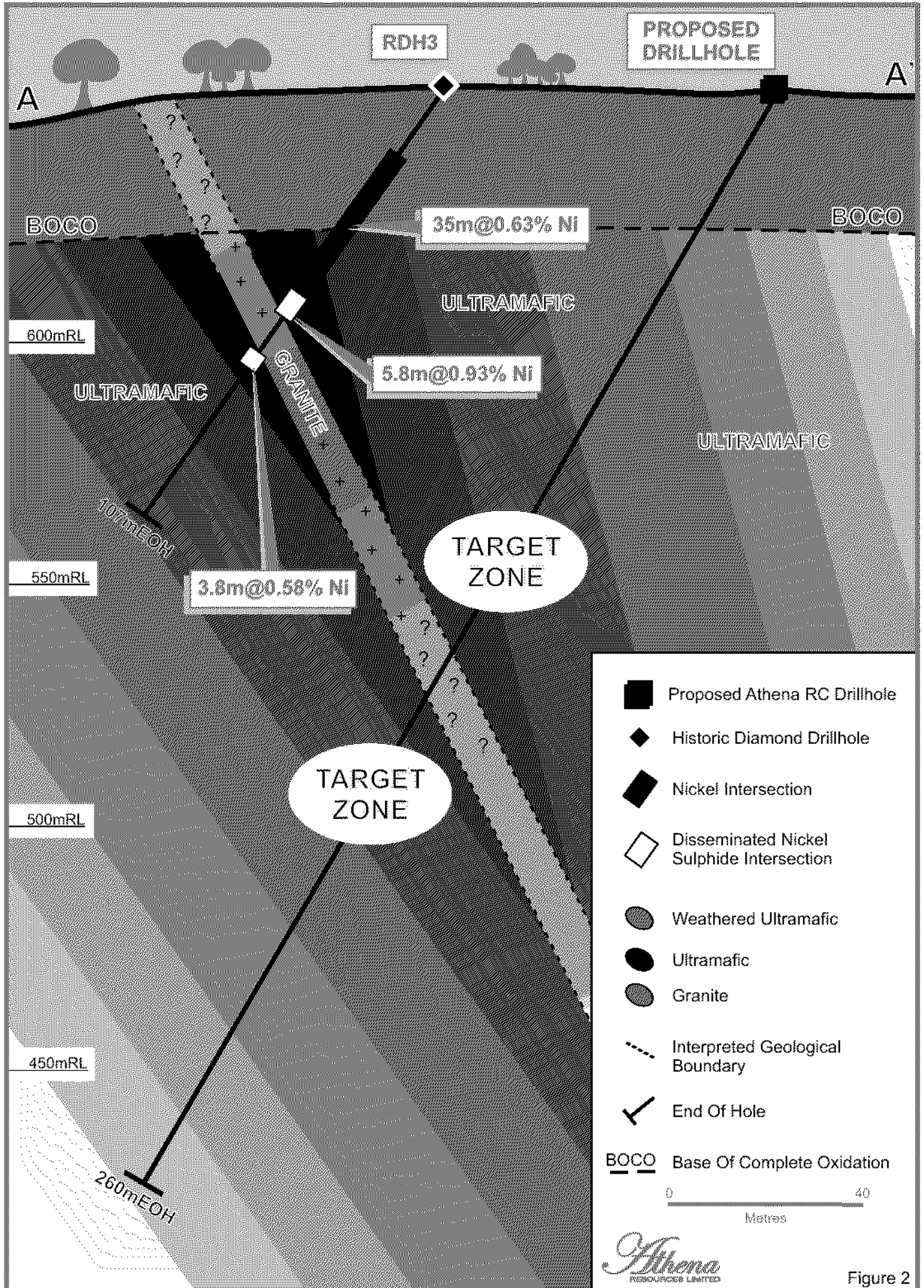
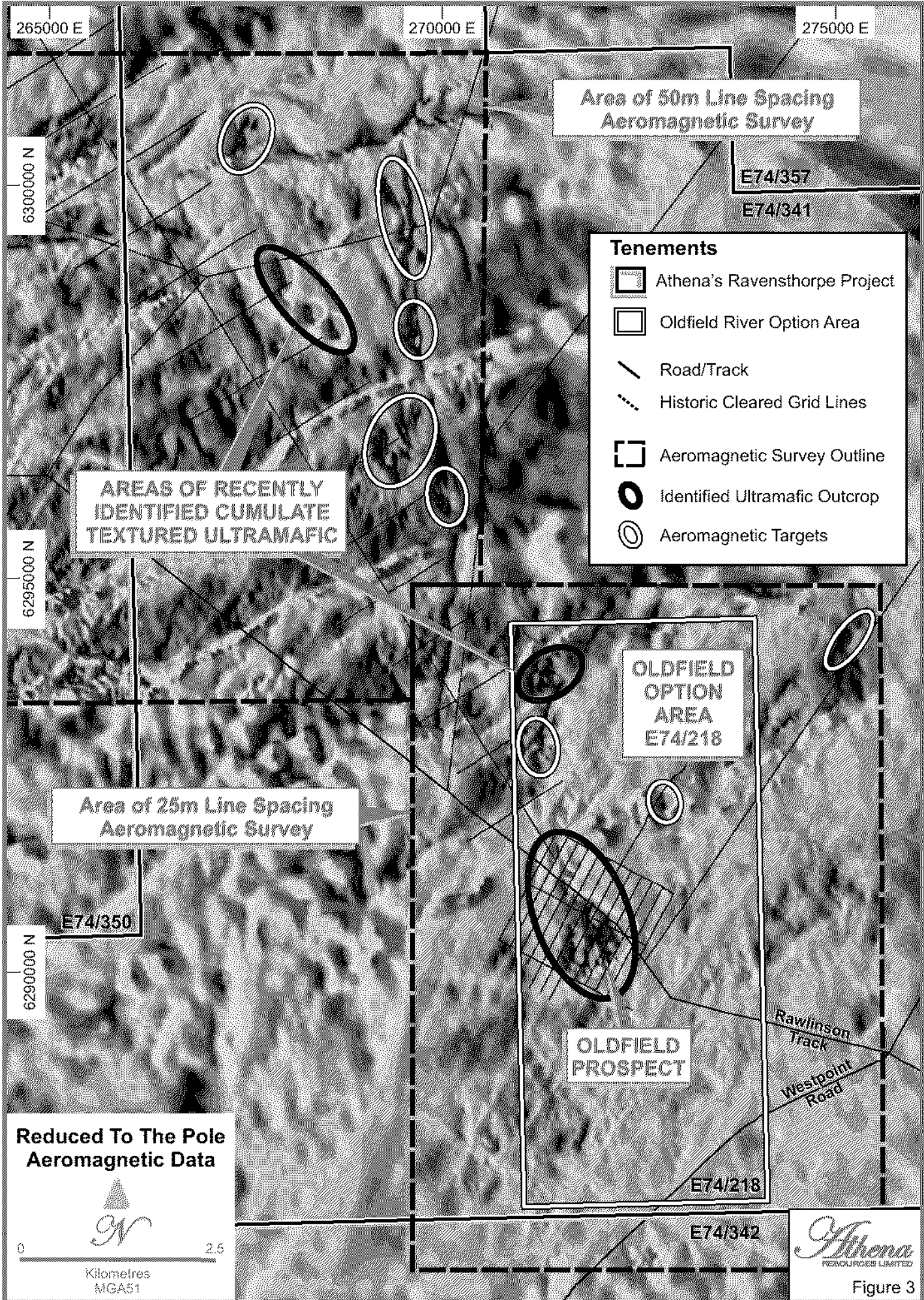


Figure 2

HIGH RESOLUTION AEROMAGNETIC TARGETS



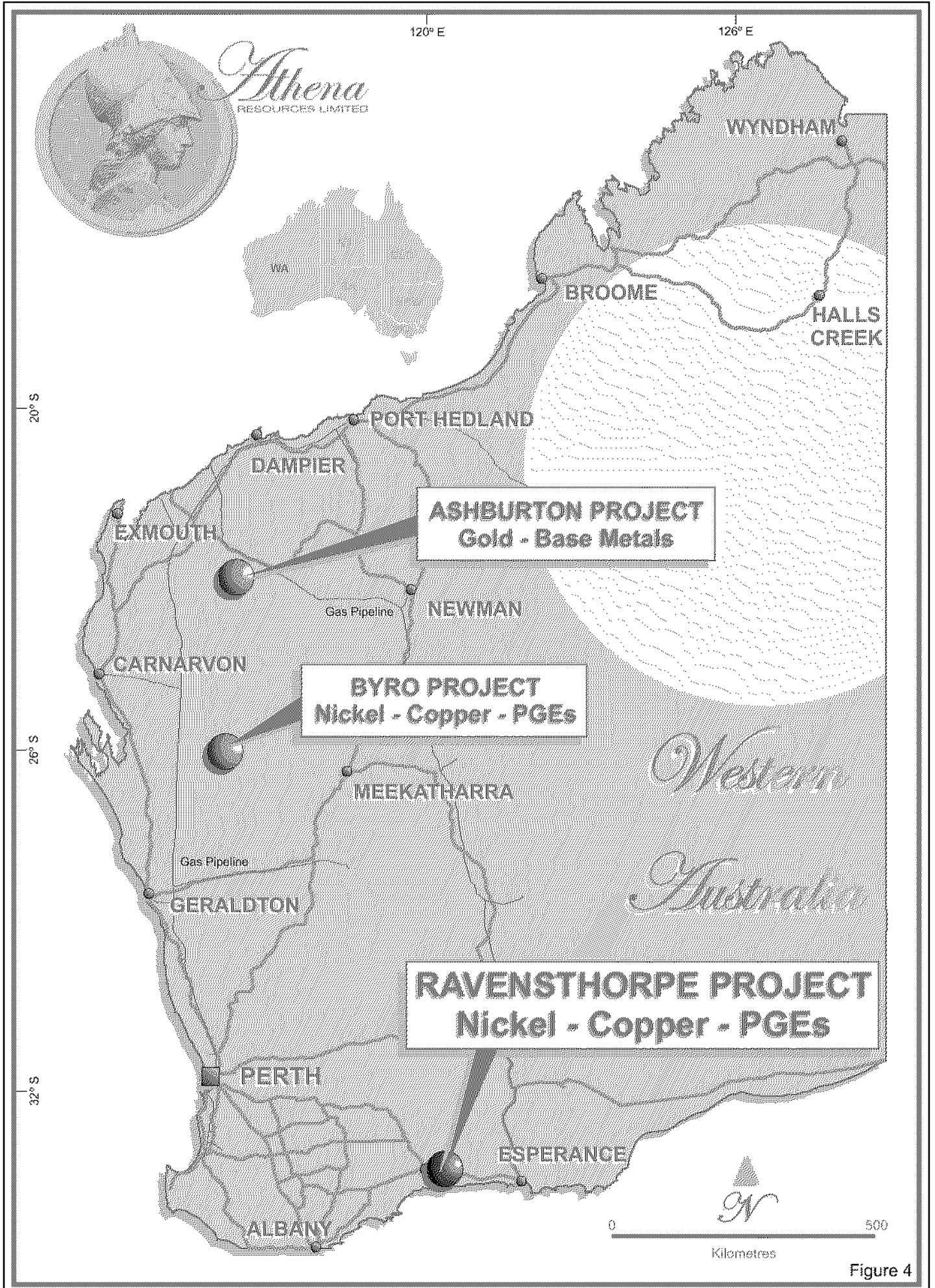


Figure 4