

COPPER MINERALISATION AT BYRO EAST

Details

Athena Resources Limited (“Athena” or the “Company”) has received further encouraging copper assays from rock chip samples along the eastern basal contact zone at Byro East on Exploration licence application E08/1637 (Table 1, and Figures 1 and 2). With best results of **7.49 and 3.28% copper**, 10 additional rock chip samples collected from outcrops along the eastern basal contact of the Byro East ultramafic intrusion have extended the area of known copper mineralisation for over 1.8 kilometres. The new rock chip samples were collected as follow-up to the **25.5% copper** previously reported from sample MBCR186.

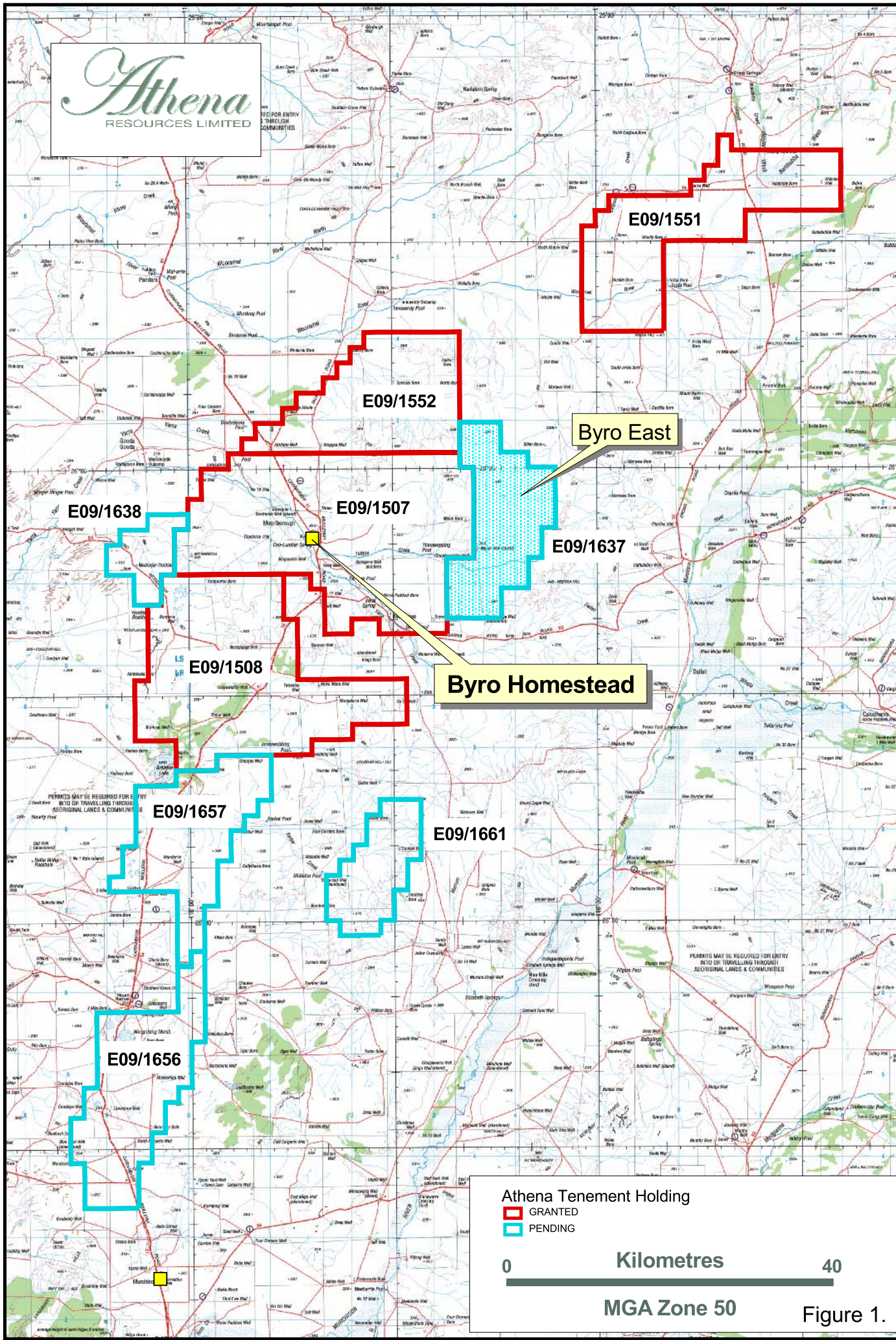
These new results coincide with outcrops near collars from holes drilled by Jododex in the early 1970’s that interested significant copper mineralisation including **67 metres at 0.63% copper** and **3 metres at 1.35% copper**. Soil sampling by Jododex also partially mapped the basal contact geochemically along 3.6 of the 29.1 kilometres of prospective contact zone. However, the effectiveness of Jododex’s soil geochemistry was limited by outcrop; the response being diminished in areas of poor and/or limited outcrop.

The Byro East Ultramafic complex consists of four zones with a total exposed area of 6.25 square kilometres and a combined basal contact length of 29.1 kilometres. The long, narrow “tail” and smaller intrusions on the southern end of the body of the main intrusion may be part of the “feeder zone” and as such are attractive exploration targets. It is significant that the peak copper results in the historic soil samples come from this area and have not been drill tested.

Table 1								
Byro East Rock Chip Samples								
(sorted by copper)								
Sample No.	MGA East	MGA North	Copper (ppm)	Copper %	Gold ppb	Platinum ppb	Palladium ppb	Nickel ppm
MBCR186	438440	7122471	255000	25.5	200	38	28	287
MBCR191	438755	7121556	74900	7.49	468	2	10	936
MBCR195	438782	7119599	32800	3.28	27	3	3	954
MBCR194	438629	7120340	22300	2.23	382	1	2	894
MBCR196	438782	7119565	5800	0.58	18	2	1	297
MBCR192	438775	7120075	96		3	45	3	1290
MBCR193	438631	7120340	36		1	4	1	2380
MBCR190	438743	7121274	26		2	3	6	238
MBCR189	438749	7121284	21		2	6	8	1290
MBCR187	438777	7121364	16		18	2	1	440
MBCR188	438752	7121278	4		1	11	4	2070



PERMITS MAY BE REQUIRED FOR ENTRY INTO OR TRAVELLING THROUGH ORIGINAL LANDS & COMMUNITIES



Athena Tenement Holding
█ GRANTED
█ PENDING



MGA Zone 50

Figure 1.

Athena has previously reported encouraging nickel, copper, platinum, palladium and gold assays in both soil and rock chip geochemical samples from the area around Byro station. At Moonborough the Company has a coincident +100ppm copper and +10ppb palladium soil anomaly that exceeds 700 metres strike length in soils.

Donald Thomson
Technical Director

3 December 2009

Competent Persons Statement

The technical information relating to Athena's exploration projects was compiled by Mr Donald Thomson, an employee of Indigo Exploration Services Pty Ltd, and a Director of Athena Resources Ltd. Mr Thomson is a Member of the Australasian 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.