

Listings Officer
ASX Melbourne
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MEASURED RESOURCE UPDATE BARROW CREEK 1 PHOSPHATE DEPOSIT AMMAROO PHOSPHATE PROJECT

During 2012, an intensive resource-drilling program of 1,214 RC holes for 35,757 m was completed at the Barrow Creek 1 phosphate deposit to define a Measured Resource of 136 million tonnes at an average grade of 15.7% at a cut off of 10% P₂O₅. The total Measured, Indicated and Inferred Resource is 238 million tonnes at an average grade of 14.6% at a cut off of 10% P₂O₅. These estimates have been provided by an independent geologist and are reported in accordance with the JORC code. The resource estimates are summarised in the following Table.

Cut Off P ₂ O ₅	Category	Mt	%P ₂ O ₅	%Al ₂ O ₃	%CaO	%Fe ₂ O ₃	%K ₂ O	%MgO	%MnO	%Na ₂ O	%SiO ₂	%TiO ₂	U ₃ O ₈ ppm
10	Measured	136	15.7	7.14	21.4	4.77	1.06	0.78	0.18	0.18	43.3	0.38	22.9
	Indicated	42	14.9	6.71	20.6	7.21	1.51	0.94	0.22	0.23	41.9	0.40	23.8
	Inferred	60	12	7.3	17	6.90	1.5	0.9	0.2	0.2	47	0.5	19
	Total	238	14.6	7.1	20.1	5.74	1.25	0.84	0.19	0.19	44.0	0.41	22.1
15	Measured	67	18.5	6.57	25.2	3.89	0.97	0.68	0.15	0.18	38.8	0.34	24.5
	Indicated	20	17.5	6.16	23.9	7.18	1.33	0.75	0.19	0.23	37.4	0.35	27.1
	Inferred	6	17	6.5	23	4.8	1.1	0.7	0.20	0.2	42	0.4	24
	Total	93	18.2	6.48	24.8	4.66	1.06	0.70	0.16	0.19	38.7	0.35	25.0
20	Indicated	17.4	23.9	5.23	32.1	2.58	0.73	0.53	0.12	0.15	30.3	0.26	27.8
	Inferred	0.2	22	5.7	30	3.1	0.9	0.5	0.1	0.2	32	0.3	31
	Total	17.6	23.9	5.24	32.1	2.59	0.73	0.53	0.12	0.15	30.3	0.26	27.8

Table 1: Resource estimate at Barrow Creek 1 phosphate deposit.

To date, 2,071 RC drill holes have been completed within the resource area, with 33 diamond drill holes twinned alongside RC intersections for a total of 61,631 m drilled. The completed drilling is depicted in Figure 1. The closer-spaced drilling is concentrated where the phosphate mineralisation is closest to the surface.

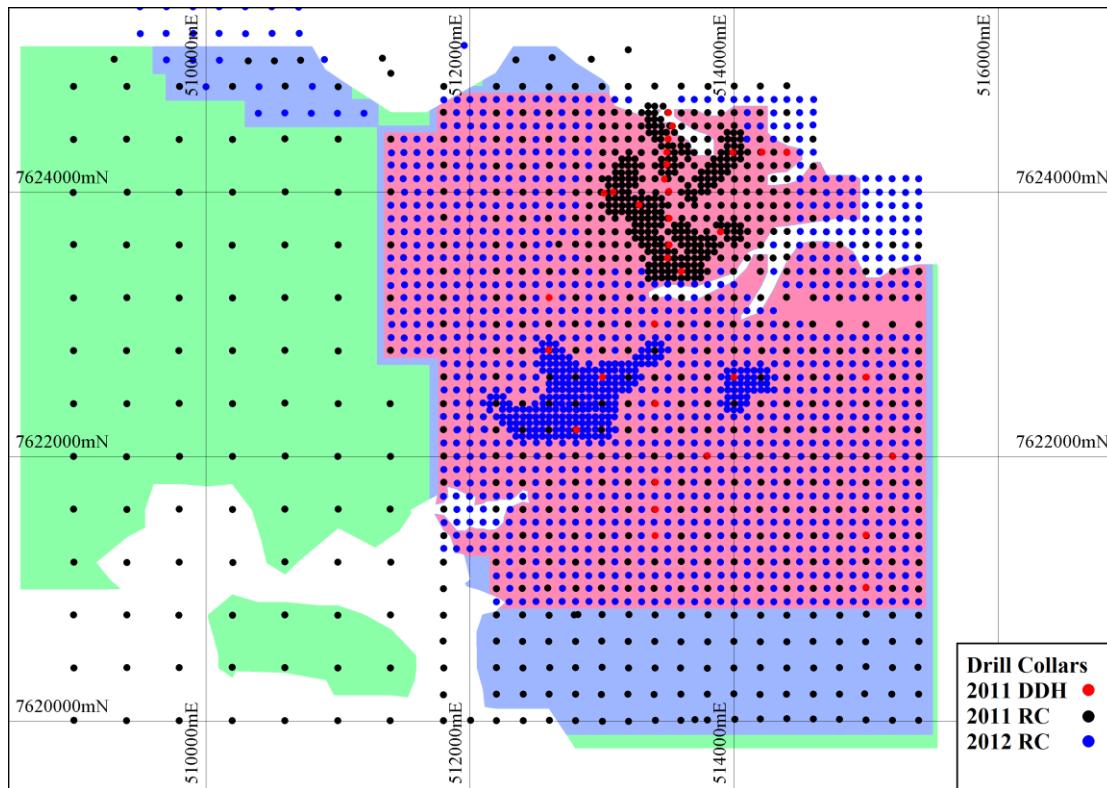


Figure 1: Barrow Creek 1drill plan depicting the Measured Resource area in pink, Indicated Resources in blue and Inferred Resources in green.

Primary samples from the 2011 and 2012 drill programmes were submitted to AMDEL laboratories in Adelaide for analysis by ICP. Information available to demonstrate the quality of the sampling and assaying includes standards, blanks, duplicates, recovered sample weights and XRF check assaying. The standards assay results and XRF repeats indicate that the ICP P_2O_5 assays are biased slightly low and for the current estimates, P_2O_5 assays were multiplied by a factor of 1.03 to compensate for this apparent bias.

Resources were estimated by Ordinary Kriging of one metre down-hole composited assay grades within a mineralised domain capturing continuous intercepts grading greater than 10% P_2O_5 . The mineralised domain covers an area approximately 6.9 kilometres east-west by 5.3 kilometres north-south. The average thickness of the domain is 6.1 metres and it is overlain by with an average of approximately 22 metres of un-mineralised material.

The estimates include a density of 1.7 t/bcm on the basis of 90 immersion density measurements of diamond core samples.

The Measured Resource provides increased confidence in a substantial mine life producing beneficiated phosphate rock at up to 2 million tonnes per annum. This updated resource estimate provides a basis for conceptual mine planning, comprehensive metallurgical test work and process flowsheet development. These are key components of the scoping study that is currently being progressed.

The scoping study is due for completion at the end of March 2013 and will provide the decision basis for proceeding with a pre-feasibility study in the second quarter of 2013. An update on the Ammaroo Phosphate project scoping study will be provided in the December 2012 quarterly report due for release on 31 January 2013.

The information in this report that relates to mineral resource estimation is based on work completed by Mr Jonathon Abbott who is a full-time employee of MPR Geological Pty Ltd and a member of the Australian Institute of Geoscientists.

Mr Abbott has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Abbott consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.



Jonathon Abbott
Consulting Geologist
MPR Geological Consulting Pty Ltd

The information in this report that relates to background of the project and future work, comments on the resource estimates and economic potential of the estimated resources is based on information compiled by David Muller who is Managing Director and a full time employee of Rum Jungle Resources Pty Ltd. Mr Muller is a Fellow of the Australasian Institute of Mining and Metallurgy.

Mr Muller has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Muller consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

This release may contain forward-looking statements. These forward-looking statements are not historical facts. Rather, these forward-looking statements are based on the current beliefs, interpretations, assumptions, expectations, estimates, and projections. Actual results could differ materially from a conclusion, forecast or projection in the forward-looking information.



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