Accelerate Acquires the High Grade Barramine Manganese Project

Highlights

- Accelerate executes an Agreement to acquire 100% of the East Pilbara **Barramine Manganese Project**
- The Company now controls a **33km** corridor prospective for manganese mineralisation, with access to existing roads and port infrastructure
- This expands Accelerate's strategic footprint in the manganese producing region to **357.7km²**
- Previous exploration within the Barramine Project includes **27,478m** of RC drilling targeting manganese outcrops and EM anomalies
- Historic drilling results returned grades up to **46.4%** Mn[1] and include:
    - *15m at 24.3% Mn from 37m (BRC 290) & 7m at 26.2% Mn from 67m including 3m @ 39.3% Mn*
    - *18m at 21.4% Mn from 73m (BRC 241) including 3m at 36.1% Mn from 86m*
    - *8m at 22.4% Mn from 34m (BRC 169) including 2m at 36.2% Mn from 36m*
    - *7m at 22.3% Mn from 37m (BRC 332) including 1m at 29.3% Mn from 40m*
    - *10m at 19.3% Mn from 91m (BRC 266) including 2m at 35.3% Mn from 93m*
    - *10m at 19.4% Mn from 10m (BRC 318) including 6m at 213.6% Mn from 12m*
- Significant exploration upside exists along strike and at depth from numerous drilled prospects and other untested targets across the project area
- An active field program planned to evaluate key targets ahead of a drilling program targeting a Resource
- This acquisition Complements AX8's existing high grade manganese strategy to service the rapidly growing battery technology markets and steel industry

[1] Refer Appendix 2

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Managing Director Yaxi Zhan commented,

“We are excited by the opportunity to acquire the Barramine high-quality manganese asset to add to the Company’s existing high grade manganese project portfolio in the Pilbara region. Barramine strongly complements and advances Accelerate’s manganese strategy.”

Ms Zhan further commented that “The merger of the contiguous Barramine and Braeside West manganese projects will fast-track the Company in becoming a significant player in the manganese space with the clear objective of developing mineral resources and operations in this world-class manganese province. Our vision is to become the next Australian manganese producer and supply high grade manganese, a critical mineral, to the steel and EV battery industries.”

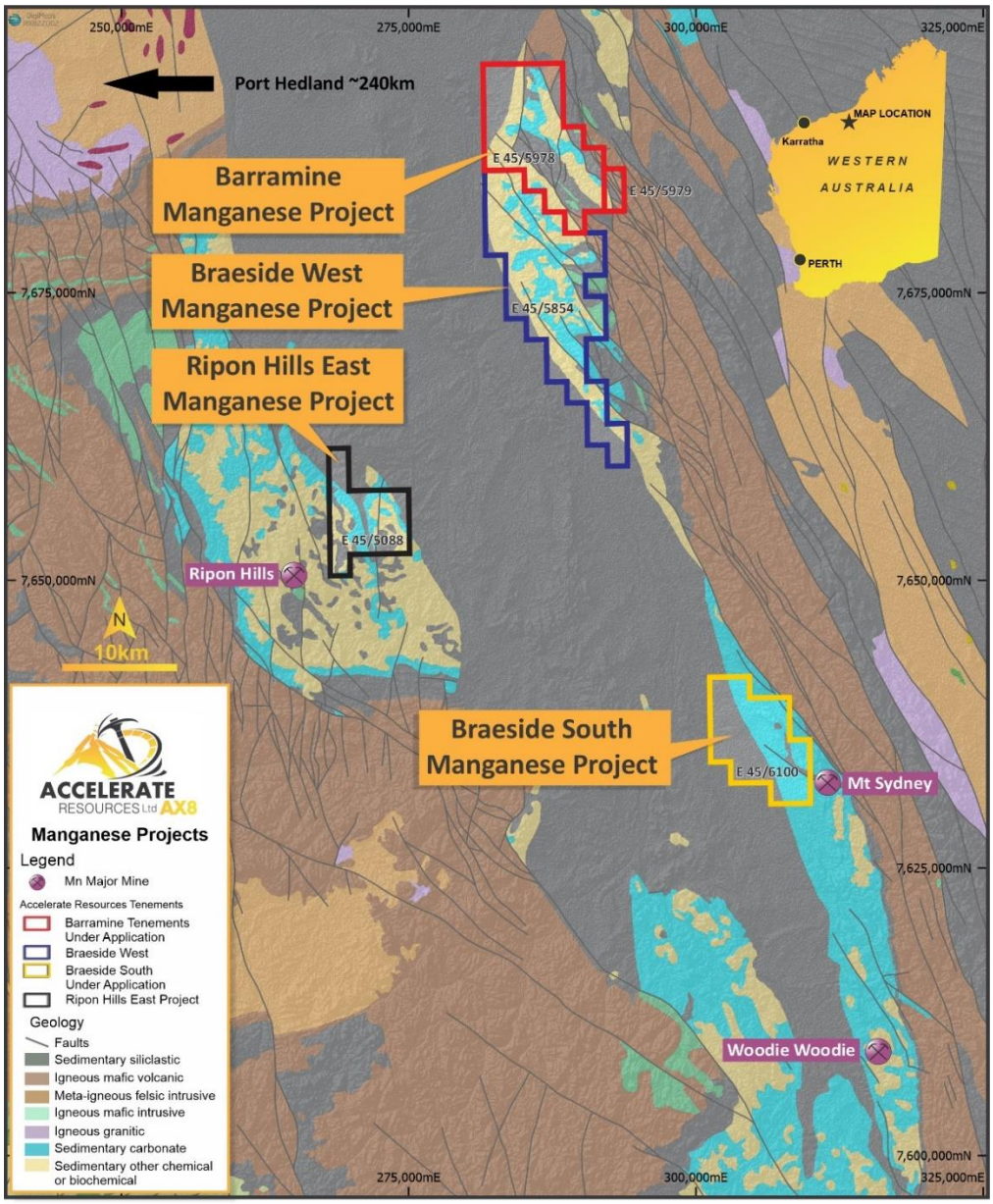

Figure 1: Location of the Barramine Manganese Project
(Regional Geology after GSWA 1:500,000 Interpreted Bedrock Geology)

Building on Barramine's Historical Success

Prior exploration within the Barramine Project area identified widespread manganese occurrences in a similar setting to those deposits elsewhere in the East Pilbara manganese province, in particular the Woodie Woodie manganese mine. These manganese deposits are localised along the contact between the Carawine Dolomite and the Pinjian Chert Breccia with more intense and larger scale mineralisation occurring along fault structures. At Barramine, such a zone of intense manganese mineralisation was identified through rock chip sampling, soil sampling, mapping and exploration drilling.

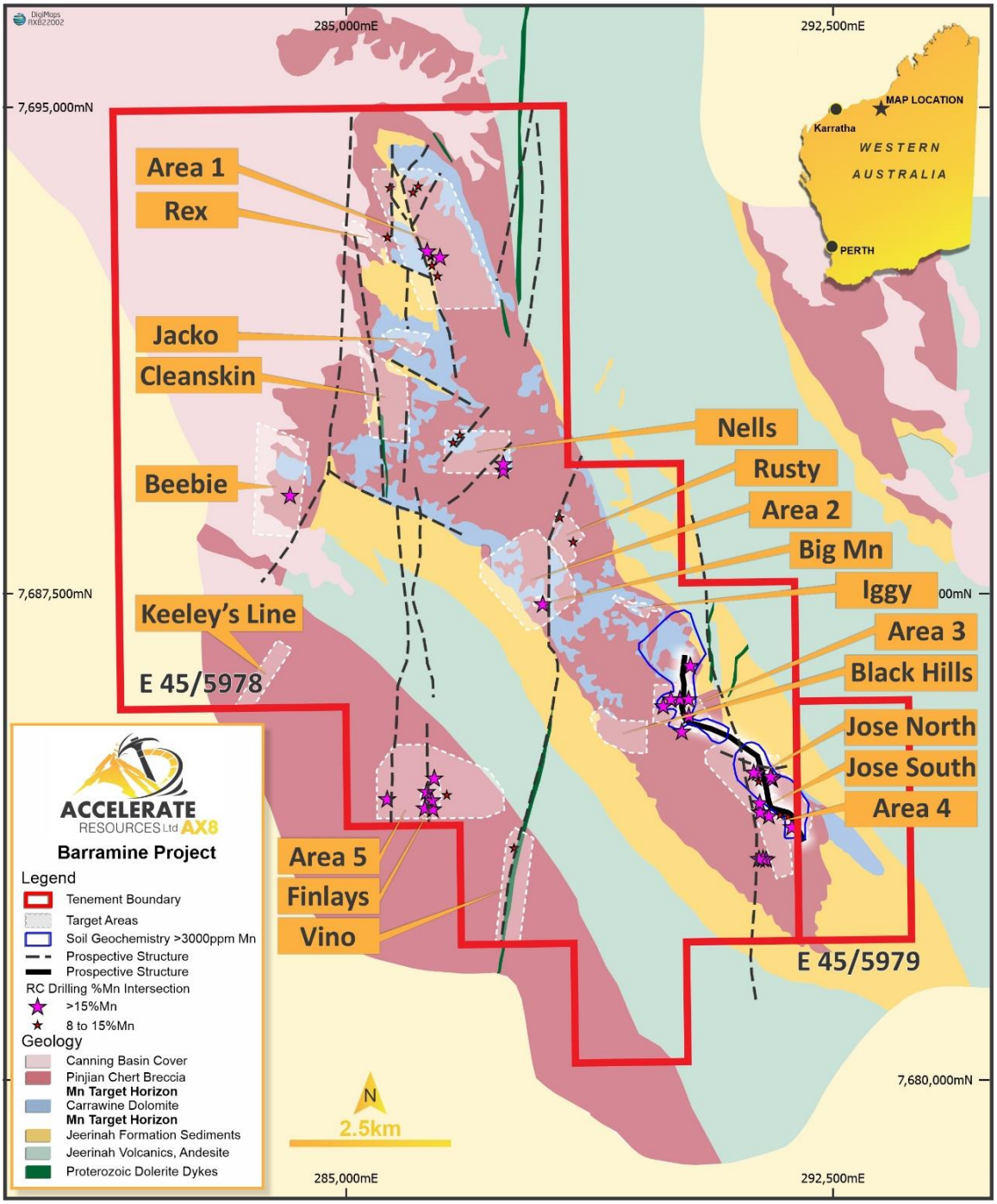

Figure 2: Location of manganese prospects identified in the Barramine Project Area

Previous exploration included **27,478m** of RC drilling (totalling 343 drill holes), 2,233 rock chip and 5,140 soil samples. Detailed geological mapping and geophysics including gravity, dipole-dipole induced polarisation, heliborne XTEM-TEM and magnetic surveys were also completed. Other studies completed include ethnographic, environmental surveys and three phases of limited and preliminary metallurgical test work conducted by Nagrom and Amtec between 2010 to 2012, to examine the suitability of the manganese mineralisation for upgrading to a saleable product.[2]

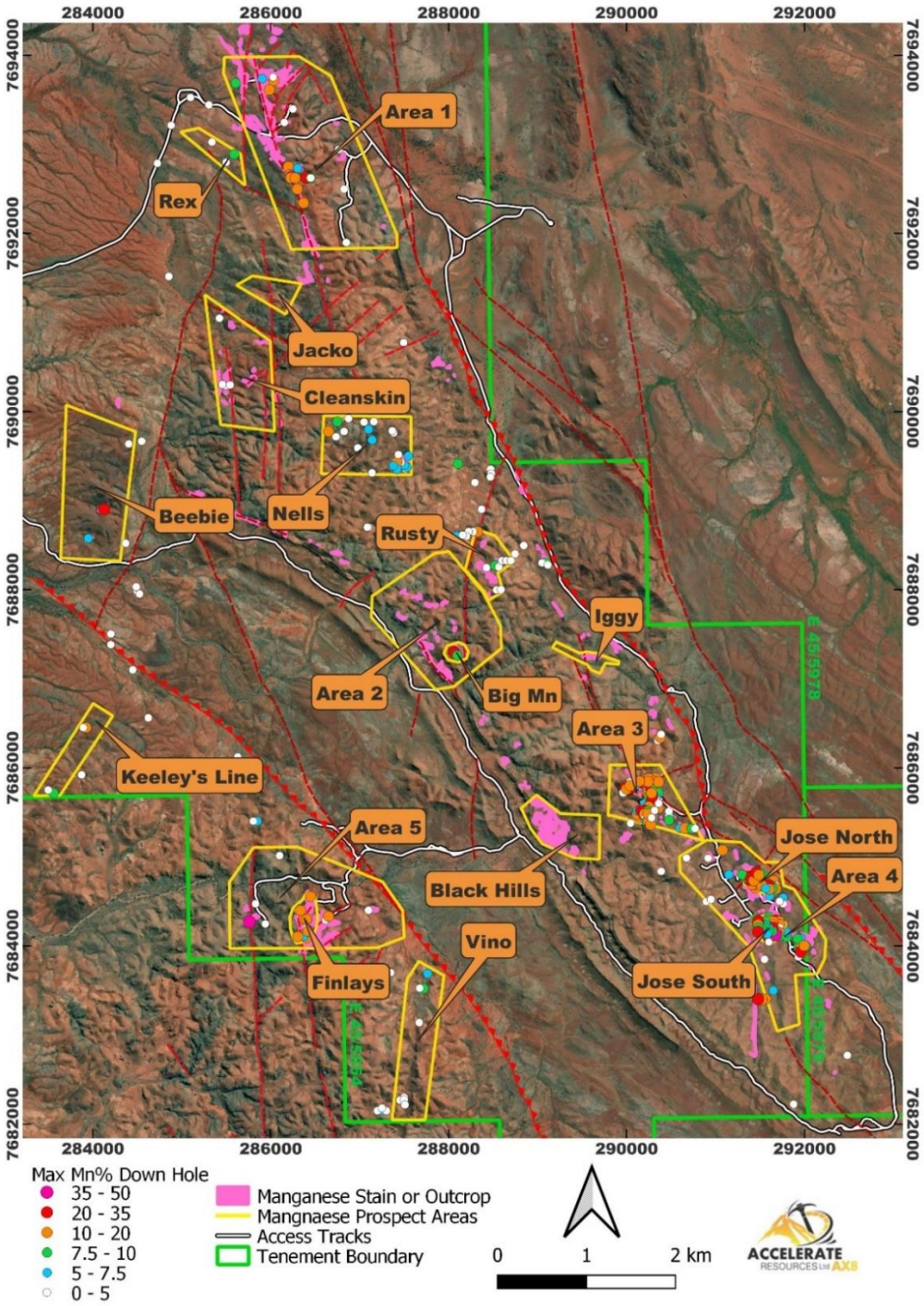

Figure 3: Drilling results from the Barramine Project area ranked on maximum downhole manganese assays

[2] See Appendix 3 JORC Table 1, this release

Exploration to date at the Barramine Project has primarily targeted manganese mineralisation and has used the Woodie Woodie manganese genetic model based on a hydrothermal mineral system approach.

Multiple target areas have been identified, some of which have been drilled sufficiently to potentially support a Mineral Resource. The AX8 team will immediately target these areas to determine additional work required to generate a mineral resource.

Area 3 and Area 4 (Jose North and Jose South Prospects) are two such areas, with Area 5 (Finlays) and Area 1 being additional areas of high prospectivity based on previous exploration successes.

Expanded Exploration Expertise

Accelerate continues to build a high calibre team through attracting relevant industry talent and expertise:

Dr. Steve Bodon (Non-Executive Director)

Dr Steve Bodon has a PhD in Geology from the Centre for Ore Deposit Research (CODES), University of Tasmania. He has 30 years' experience in mining and upstream oil & gas.

Dr Bodon has previously held senior leadership roles for a number of large international organisations including Anglo American and Sasol. He has strong technical, business leadership skills and extensive experience in exploration, production and business development.

Dr. Joseph Drake-Brockman (Senior Technical Advisor)

Dr Joseph Drake-Brockman has a PhD in Geology, with more than 30 years' experience in mineral exploration including both grassroots exploration and detailed project evaluation across a range of terrains.

Dr Drake-Brockman has extensive experience in early-stage manganese exploration, including eight years with Consolidated Minerals Australia Ltd. mapping prospects and open-pits and leading drilling programs to evaluate manganese targets at Woodie Woodie, as well as three years as Senior Technical Adviser focusing on target generation and drilling at the Barramine project.

Dr Joseph Drake-Brockman has also assisted international manganese producers, such as Jupiter, Eramet and OM Holdings providing technical evaluations and mapping services for their various Australian manganese assets.

Exploration Strategy

Accelerate will seek to define manganese resources at Barramine to justify further investment in a possible future commercial mining operation. Exploration activities over the coming months will focus on delivering this outcome and will include:

- Merging of the Braeside West and Barramine databases to maximise exploration potential and targeting.
- Follow up exploration drilling over the high priority Barramine targets with the aim of delineating resources on key prospects.
- Exploration data review including additional mapping and sampling on all targets based on prior exploration drilling results.
- Diamond drilling and verification of historic drill data to generate an initial resource estimate from at least one of the historic Barramine targets.
- Additional beneficiation tests following up on historical positive Dense Media Separation (DMS) results and drilling results, such as bulk sampling to determine beneficiation parameters, product characteristics and High Purity manganese investigations.
- Investors will be provided regular news flows as the exploration program progresses.

Accelerate's Critical Element strategy

Manganese is a critical element used in steel production. The steel industry is poised to continue growing, providing a steady source of demand for manganese. New demand is arising from clean-energy applications. High Purity manganese (HPM) is used as a cheaper substitute for cobalt in nickel-cobalt-manganese (NCM) battery cathodes.

Manganese is increasingly a critical link in the lithium-ion battery supply chain and has been added to the Strategic Minerals stockpile along with cobalt, chrome and molybdenum. It is believed that there is a high probability of supply disruption from South African production and the winding down of the dominant Groote Eylandt Manganese Operations in the Northern Territory of Australia.

Accelerate's manganese strategy focuses on the highly productive East Pilbara Manganese Province that hosts the Woodie Woodie manganese mine, which has been in operation since the 1950s and currently produces approximately 1.6Mt per annum. With Barramine, Braeside West and Rippon Hills projects, Accelerate occupies a dominant ground position with multiple targets and historical exploration results within a similar Woodie Woodie-style regional geological setting and analogous mineral system. The East Pilbara is among the most prospective manganese provinces in Australia and home to operations producing high grade (+40% Mn) lump and fines products for the steel market. Accelerate will add battery market opportunities to enhance commercial options as it evaluates the potential of the project areas as exploration advances.

Transaction Summary

Accelerate Resources Limited ("Accelerate" or "the Company") has entered into a binding Sale and Purchase Agreement to acquire 100% of the issued shares in Attstar Pty Ltd ("the Vendor") (ACN 651 702 162). The Vendor is the applicant for Exploration Licences E45/5978 and E45/5879.

The licenses cover the northern extension of the Company's Braeside West Manganese Project, situated approximately 120km east of Marble Bar within 70km of the Woodie Woodie Manganese Operations and only 250km from the port of Port Hedland.

The Project expands and directly builds on the opportunities already identified by the AX8 team at Braeside West since its acquisition in 2021 (Refer ASX Announcements 25 Oct 2021)

Key Terms

Accelerate agrees to pay the following Consideration as set out below:

Non-refundable $50,000 (plus GST) to the Vendors' nominee upon the execution of the Sale and Purchase Agreement.

- *Settlement of the Acquisition is conditional upon:*
  - *Accelerate completing its due diligence within 30 days of the date of the agreement, and*
  - *Tenement E45/5978 being granted.*
- *On Completion, Accelerate will:*
  - *Issue 10,000,000 fully paid Ordinary shares in the capital of Accelerate (Consideration Shares); and*
  - *Issue 10,000,000 Options exercisable at $0.10 on or before the date that is 2.5 years from issue (Consideration Options).*
  - *Accelerate will issue these shares and Options from its available placement capacity.*
- *In addition to the Consideration, Accelerate agrees to pay the following Deferred Consideration as set out below:*
  - *Tranche 1 Milestone: Upon Accelerate announcing to the ASX a JORC compliant Inferred Mineral Resource of not less than 5 million tonnes of Manganese ore at a minimum of 13%Mn (with a 10% cut off) the Vendors will be issued 20 million Shares.*
  - *Tranche 2 Milestone: Upon Accelerate announcing to the ASX the commercial shipment of the first 25,000 tonnes of Manganese ore from the Tenement (Tranche 2 Milestone), Accelerate will make a cash payment of $2 million to the Vendors.*

For the avoidance of doubt, the Tranche 1 Milestone and the Tranche 2 Milestone are only payable once for each milestone.

—ENDS—

This announcement has been produced in accordance with the Company's published continuous disclosure policy and has been approved by the Board.

For further information please contact

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Forward Looking Statements
Statements contained in this release, particularly those regarding possible or assumed future performance, costs, dividends, production levels or rates, prices, resources, reserves or potential growth of Accelerate Resources Limited, are, or may be, forward looking statements. Such statements relate to future events and expectations and, as such, involve known and unknown risks and uncertainties. Actual results and developments may differ materially from those expressed or implied by these forward-looking statements depending on a variety of factor.

Competent Persons Statement
Information in this release that relates to Exploration Results is based on information compiled by Dr Joseph Drake-Brockman, who is a qualified geologist, and a Fellow of the Australian Institute of Mining and Metallurgy (AusIMM). Dr Joseph Drake-Brockman has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Dr Joseph Drake-Brockman consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.

Appendix 1: Barramine Manganese Project, Summary of Significant Intersections by Prospect

Significant Mn intercepts: Min. Ore Composite = 3m, 10% Cutoff, maximum consecutive waste = 3m

Hole ID	Prospect	Midpoint(x,y,z)	From(m)	To(m)	Interval (m)	Avg. Mn%
BRC018	Area 3	290325, 7685600, 241	0	5	5	24.1
BRC026	Area 3	289985, 7685770, 246	5	20	15	12.9
BRC168	Area 3	290291, 7685760, 225	13	20	7	14.5
BRC169	Area 3	290251, 7685800, 222	13	21	8	12.4
BRC169		290264, 7685799, 206	34	42	8	22.4
BRC172	Area 3	290259, 7685679, 217	25	36	11	15.1
BRC174	Area 3	290286, 7685680, 218	15	18	3	15.1
BRC174		290288, 7685680, 210	23	26	3	19.6
BRC174		290294, 7685679, 193	37	48	11	14.6
BRC175	Area 3	290289, 7685640, 223	15	21	6	11.9
BRC177	Area 3	290160, 7685485, 230	9	30	21	13.2
BRC187	Area 3	290663, 7685320, 235	10	19	9	11.7
BRC239	Area 3	290274, 7685800, 229	8	13	5	13.4
BRC239	Area 3	290274, 7685800, 208	27	36	9	18.1
BRC241	Area 3	290234, 7685841, 161	73	91	18	21.4
BRC247	Area 3	290199, 7685514, 220	46	51	5	15.5
BRC248	Area 3	290198, 7685475, 195	57	72	15	17.2
BRC290	Area 3	290279, 7685803, 228	7	14	7	14.8
BRC290		290263, 7685803, 198	37	52	15	24.3
BRC290		290250, 7685803, 175	67	74	7	26.2
BRC290		290244, 7685803, 162	82	87	5	11.2
BRC292	Area 3	290265, 7685763, 209	27	39	12	17.1
BRC304	Area 3	290275, 7685598, 231	11	21	10	15
BRC307	Area 3	290178, 7685521, 228	42	51	9	14.9
BRC318	Area 3	290297, 7685683, 220	10	20	10	19.4

Hole ID	Prospect	Midpoint(x,y,z)	From(m)	To(m)	Interval (m)	Avg. Mn%
BRC319	Area 3	290298, 7685714, 210	28	36	8	10.2
BRC034	Area 4	291500, 7684730, 221	25	31	6	14.4
BRC037	Area 4	291380, 7684740, 245	5	8	3	13.1
BRC037		291380, 7684740, 232	14	26	12	12
BRC039	Area 4	291400, 7684760, 244	4	8	4	11
BRC039		291400, 7684760, 220	22	38	16	11.8
BRC041	Area 4	291380, 7684780, 242	0	8	8	11.6
BRC041		291380, 7684780, 227	16	23	7	12.8
BRC112	Area 4	291600, 7684250, 198	44	49	5	18.2
BRC205	Area 4	291520, 7684287, 181	71	82	11	16.1
BRC208	Area 4	291678, 7684297, 232	15	22	7	18.9
BRC212	Area 4	291537, 7683404, 209	41	46	5	11.1
BRC266	Area 4	291679, 7684167, 154	91	101	10	19.3
BRC269	Area 4	291647, 7684240, 178	70	76	6	18
BRC280	Area 4	291479, 7684297, 213	29	38	9	10.6
BRC280		291479, 7684305, 199	45	53	8	13.9
BRC332	Area 4	291960, 7683933, 242	3	9	6	10.1
BRC332		291960, 7683933, 226	19	25	6	11.9
BRC332		291960, 7683933, 208	37	44	7	22.4
BRC338	Area 4	291392, 7684768, 256	10	21	11	10.2
BRC338		291384, 7684774, 258	24	28	4	10.1
BRC338		291375, 7684781, 256	32	43	11	11
BRC340	Area 4	291436, 7684845, 255	33	40	7	17.2
BRC008	Area 1	286236, 7692633, 207	0	8	8	17.8
BRC010	Area 1	286300, 7692500, 203	4	11	7	10.1
BRC064	Area 1	286400, 7692625, 193	16	22	6	14.2

Hole ID	Prospect	Midpoint(x,y,z)	From(m)	To(m)	Interval (m)	Avg. Mn%
BRC081	Finlays	286405, 7684297, 231	3	10	7	12
BRC135	Nells	287418, 7689391, 172	48	57	9	21.2
BRC250	Area 5	285766, 7684271, 195	0	14	14	21
BRC217	Big Mn	288106, 7687278, 234	27	30	3	13.3
BRC219	Big Mn	288082, 7687282, 238	23	26	3	23.4
BRC224	Beebie	284129, 7688869, 173	44	51	7	11

Appendix 2: Summary of Previous Exploration

Most of the previous work in areas adjacent to Barramine has been manganese exploration. Previous workers were:

- Sentinel Mining Inc. 1967-1974, prospected adjacent areas (immediately to the NE and to the west) but concluded that the area did not have sufficient potential to continue exploration (WAMEX report A1153).
- Pilbara Manganese Limited 2012, carried out gravity surveys on Carawine Dolomite/Pinjian Chert sequences to the south of Area 5. Subsequently 5 drill holes were completed immediately to the south of the current tenement boundary (WAMEX report A108909).
- Jupiter Mines Limited and subsequently Pilbara Manganese Limited 2008-2016 carried out limited sampling and prospecting to the south. A ZTEM airborne electro-magnetic survey was also undertaken. No intensive follow-up was done, and the tenement was released (WAMEX report A106290).
- Valiant Consolidated Ltd/Consolidated Minerals Ltd 1993 – 1998, explored in the area 5-10 km to the south of Area 5. A total of 80 shallow RAB holes were drilled without significant manganese intercepts and the tenement was subsequently released (WAMEX report A57720).

Other companies carried out base metal and iron exploration in the area but were not focused on the Barramine tenement area. Companies such as Rio Tinto Ltd (2013-2015), Hancock Prospecting Pty Ltd (2011-2015), Chrysalis Resources Ltd (2013-2014), Legend Mining NL (1994–1995), Carpentaria Exploration Company (CEC) Pty Ltd (1989–1991) and Western Mining Corporation Limited (1969-1972) were active but no mineralization was reported.

Previous Work – Shaw River Manganese Limited

During 2008 to 2014 the Company carried out an extensive manganese exploration program on the area of the current tenement. The current tenement E45/4368 is very similar in size and shape to the previous licenses E45/3312 and E45/3234. The following table, extracted from the surrender document for E45/3312 submitted to the Western Australian Department of Mines, Industry Regulation and Safety by the Company. gives an outline of the activities undertaken. **Error! Reference source not found.** summarizes the areas covered by the various surveys. A minor amount of work was carried out on E45/3234 but only as extensions of the work done on E45/3312.

Table2.1: Summary of Work by Shaw River on E45/3312 & 3234, 2008-14. WAMEX A102131

Work Done	Date	Description
Surface Sampling	2008-2011	Total of 7,373 surface samples collected and analysed: • 2,233 Rock Chip Samples • 5,140 (Niton) Soil Samples
RC Drilling	2009-2011	343 RC (reverse circulation) drill holes completed for 27,478m with approx. 11,329 samples analysed.

Work Done	Date	Description
Geological Mapping	2008-2012	• Initial campaign of geological mapping by John Crossing (Compass Geological) during 2008. • Further campaigns of mapping conducted by Joe Drake Brockman (Drake-Brockman Geoinfo Pty Ltd) during 2008 and 2010. • Geological mapping of local prospect areas conducted at various times by Shaw River geologists.
Aerial Photography and Photogrammetry	2008 - 2009	• Aerial photography purchased from Landgate during 2008. • 1:20,000 scale photography and photogrammetry completed over E45/3312 by Survey Graphics Mapping Consultants during 2009.
Gravity Survey	2009 - 2010	50m x 50m station data collected over Areas 1-5 by Daishsat Pty Ltd. during 2009. Data initially interpreted by Resource Potentials Pty Ltd., then reprocessed by Vector Research and Stewart Geophysical Consulting in 2009-10.
IP Survey	July 2009	Four lines of IP completed by Zonge Pty Ltd. Processing and interpretation completed by Resource Potentials Pty Ltd.
Airborne EM and Magnetic Survey	September 2009 December 2010	Helicopter borne time domain electromagnetic system. 80 m traverse lines completed on 045^0. Terrain clearance 30-40 m EM System 25HZ XTEM. Collection by GPX Surveys. Initial interpretation by Resource Potentials Pty Ltd. Subsequent analysis by Vector Research. Vector Research then re-processed the Target TEM data and provided Shaw River with new data and report.
Surface EM	November to December 2010	FLEM Survey over 1 km^2 grid (Area 3) completed including initial data processing by Outer Rim Exploration Services. Re-processing and modelling of FLEM data completed by Resource Potentials.
Re-processing of geophysical data	May 2011	Resource Potentials (RP) reprocessed XTEM (time domain airborne) EM data and ground gravity data from 2009, along with Shaw River's geological and geochemical data. Forty regional targets were identified.
Metallurgical Test work	2010 - 2012	• Phase 1 metallurgical test work completed on 11 composite samples by NAGROM Laboratories during September to December 2010. • Further metallurgical test work (phase 2) completed on four composite samples, from Areas 3 and 4 by NAGROM laboratories during Dec 2011 to Jan 2012.
Mineralogical Analysis	2012	Mineralogical analysis by Roger Townsend & Associates. (polished thin section and XRD/SEM analysis) of three of the composite samples sent to Nagrom.
Modelling & Preliminary Evaluation	2011 - 2012	Modelling and Preliminary (Unclassified) Resource Evaluation work commenced for Areas 3 & 4 by SRK Consulting. The final report was received during July 2012.
Heritage Surveys	2009 2010	• Initial (targeted) heritage surveys over planned areas of RC Drilling completed during May & November 2009. • Subsequent heritage surveys over areas of planned RC drilling completed during April and May

Work Done	Date	Description
		2010.
Ethnographic Surveys	November 2009	Ethnographic survey completed.
Rehabilitation	2010 - 2013	• Rehabilitation work completed during each field season. • During 2013, field validation and review of rehabilitation completed, including detailing rehabilitation still required. • Hanree Holdings commissioned to complete all outstanding rehabilitation. • Final report on completed rehabilitation presented to Shaw River during October 2013. • Rehabilitation data updated in Barramine database • GIS (MapInfo) track files updated. • Shaw River registered for MRF (post rehabilitation program).
Project Reviews	2013	• Micraster Geological Services was commissioned to review the work completed to date on the Barramine tenements, however it was not possible to complete. A preliminary report was provided during April 2013. • Drake-Brockman Geoinfo was commissioned to complete an evaluation of the Barramine Manganese project. A report was provided during June 2013.

Table 2.2: Summary of Work by Laconia Limited on E45/3312 & 3234, 2008-14. WAMEX A102132

Work Done	Date	Description
Surface Sampling	2008-2011	Total of 669 surface samples collected and analysed: • 126 Rock Chip Samples • 543 Soil & Stream Samples

Appendix 3 JORC TABLE 1		
JORC TABLE 1 COMPILATION		
CRITERIA	**JORC REQUIREMENT**	**EXPLANATION**
Section 1		
Sampling		
Barramine	*Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* *Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	A large amount of sampling was undertaken (ca 18,500 samples). Commercial laboratories Ultratrace (now Bureau Veritas) and SGS did the multi-element analyses and reported the results. Details are: Drilling: for each 1 m, drill cuttings were collected, and a 2-3 kg split was sent for XRF assay. Samples were dried, crushed and pulverized. Al_2O_3, BaO, CaO, Fe_2O_3, K2O, MgO, Mn, Na2O, P_2O_5, PbO, SiO_2, SO_3 &TiO_2 were determined. Rock sampling: chips were hammered from rock surfaces & 1-3 kg samples collected for XRF assay. Samples were dried, crushed and pulverized. Mn, Fe_2O_3 & SiO_2 were determined. Geochemical sampling: -40 mesh soils, magnetic fraction enriched soil & drainage samples. A 100 -200 g sample was sent for multi-element ICP-MS assay. Samples are dried and pulverized. Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga,Gd, Ge, Hf, Hg, Ho, In, K, La, Li, Lu, Mg, Mo, Na, Nb, Nd, Ni, Pb, Pr, Rb, Re, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Tl, Tm, U, V, W, Y, Yb, Zn & Zr were determined. Niton soil sampling. A sub 1 mm grain-size soil sample was collected from 0-10 cm depth from un-disturbed ground. Sample weight was between 50-100 grams (g). Samples were assayed using a portable XRF machine.
Drilling		
Barramine	*Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	Reverse circulation drilling was used. Drilling is advanced using a face sampling air hammer bit. Sample return via duo-tube. Sample collection via cyclone.
	Method of recording and assessing core and chip sample recoveries and results assessed. *Measures taken to maximise sample recovery and ensure*	Samples are collected, per meter, in plastic bags from the rig cyclone.

representative nature of the samples. *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material*	
Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* *The total length and percentage of the relevant intersections logged*	Samples are geologically logged on site. Basic colour, mineralization, mineralogy and lithology recorded for each 1m interval. A 25 g reference sample is kept in a chip tray.
If core, whether cut or sawn and whether quarter, half or all core taken. *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* *Whether sample sizes are appropriate to the grain size of the material being sampled*	A sub-sample (2-4 kg) for assay was collected using a riffle splitter. The splitter is cleaned between samples using compressed air. Samples are kept dry whenever possible. Given that Mn is a bulk commodity the sample weight and sub-sampling method is appropriate, and no special measures are needed to ensure representative samples. Drill cuttings range 0.01-15 mm in size are adequately sampled with a 1.5 kg sample (P. Gy, 1956 in Field Geologists Manual – AusIMM).
Lab Quality	

Barramine	*The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	For drilling, rock chip and geochemical samples commercial Industry standard duplicate assays and standards were routinely used. There is no evidence that the samples were not professionally handled and analysed. Niton soil sampling: both a Thermo-Scientific Niton XL3T hand-held XRF analyser (60 second count) and a Niton XL3T GOLDD+ hand-held XRF analyser (30 second count) were used. A 1:40 blank was routinely used to test for contamination. A system check and a test on a blank and a Mn-reference standard were done before each session.
Verification of Results		
Barramine	*The verification of significant intersections by either independent or alternative company personnel.* *The use of twinned holes* *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* *Discuss any adjustment to assay data.*	In general: significant intersections were verified by inspection of the reference samples in chip trays. Sample and Lithological Data was initially recorded on paper logs and then transferred to Excel templates. These were then verified before being uploaded into a corporate database. Original logs from the RC drilling programs have been located and verified. No assay data in the corporate database has been modified, re-set or adjusted. However, these procedures cannot be fully confirmed for this report as the project was abandoned by Shaw River Manganese Ltd in March 2014.
Location of Data		
Barramine	*Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* *Specification of the grid system used.* *Quality and adequacy of topographic control.*	Both the surface sampling and the drill hole locations were recorded by hand held GPS units. Accuracy is of the order of 5 m. Co-ordinates are in MGA94-Z50. Drill hole RLs were estimated from topographic contours to an accuracy of about 2-5 m. From BRC001-120 only compass and inclinometer collar readings were taken for hole orientation. From BRC121 onwards, holes greater than 50 m planned depth were surveyed downhole for declination and azimuth with a gyroscope method. Holes from BRC258 onwards were surveyed using a Camteq Multi-shot probe.
Data spacing		

Barramine	*Data spacing for reporting of Exploration Results.* *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* *Whether sample compositing has been applied.*	Detailed prospects; Areas 1, 3-5 were drilled on a nominal 40 m spacings, though this is varied due to access and success in hitting mineralization. This is adequate to establish the geological framework and the mineralization envelope. Elsewhere, spacings are usually 40 m but widening to 80-120 m in the search for mineralization. These are typical spacings for scout drilling. No sample compositing was done.
Data Orientation		
Barramine	*Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	Mineralization occurs in irregularly shaped disseminations within altered breccia zones. Therefore, it is considered unlikely that the mineralization will be bound to a specific orientation and that no sampling bias exists.
Sample Security		
Barramine	*The measures taken to ensure sample security.*	SRR Company personnel collect samples. The samples are packed into polyweave bags for dispatch. The samples are delivered to the nearest freight centre by company staff. They are then delivered to the contracted laboratory using commercial transport operators. The lab holds the samples in secure premises until sample preparation is done. Samples received are checked against samples dispatched for any irregularities. Sample security is not seen as a significant risk.
Audits and Reviews		
Barramine	*The results of any audits or reviews of sampling techniques and data.*	As the projects are at either initial exploration or pre-resource drilling stages no reviews have been carried out.

Section 2		Exploration Results
Project Status – Tenure and Ownership		
Barramine	*Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• The Barramine tenements (*E45/5978 & E45/5879)* are held under 'pending' 100% by ATTSTAR Pty Ltd. • The tenements are located within crown land and are subject to pastoral leases. • There are no known impediments to the granting of tenements under application. All tenements are in good standing. Exploration of the tenements is subject to granting of access and permits under the following acts: • *Mining Act 1978 (WA)* • *Petroleum and Geothermal Energy Resources Act 1967 (WA)* • *Aboriginal Heritage Act 1972 (WA)* • *Native Title Act 1993 (Commonwealth)* • *Aboriginal Communities Act 1979 (WA)* • *Aboriginal Affairs Planning Authority Act 1972 (WA)* • *Aboriginal and Torres Strait Islander Heritage Protection Act 1984 (Commonwealth)*
Exploration by Other Parties		
Barramine	*Acknowledgement and appraisal of exploration by other parties.*	Explored for Mn by surface sampling, mapping, ground and airborne geophysical surveys and drilling between the years 2008-2014. Three main mineralized Mn prospects found.
Geology		
Barramine	*Deposit type, geological setting and style of mineralisation.*	Hydrothermal massive and/or disseminated Mn replacement mineralization within altered dolomite and chert. .
Drill Hole Information		
Barramine	*A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:*	This information is listed in Appendix 1 for all mineralized holes and in Appendix 4 for all holes

	• *easting and northing of the drill hole collar* • *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar* • *dip and azimuth of the hole* • *down hole length and interception depth* • *hole length.* *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.* *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* *The assumptions used for any reporting of metal equivalent values should be clearly stated.* *Relationship between mineralisation widths and intercept lengths These relationships are particularly important in the reporting of Exploration Results.* *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').* *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	Drill hole summary data presented in Appendix 1. For Average Mn % Intersections presented in this report the following aggregation method was used: minimum 5m >10% intersection, 3m of internal dilution >5% allowed and shoulder values to 7.5% allowed. All assays equal 1m down hole. Intersections noted under Highlights were calculated as simple Mn % averages over the quoted intervals. Maximum Mn values presented in Appendix 4 are simple 1m maximum assay values for each hole. Detailed drilling at Barramine has been orientated perpendicular to the nominal mineralized structures. All drill hole intersections have been reported as down hole. There is insufficient data to estimate true widths See figures bound in the report A total of 343 holes were drilled at Barramine. Of these, 38 returned an intersection of 5m or more with an average Mn grade better than 10%. These are reported in appendix 1. The maximum down hole Mn assay for each hole is shown on Figure 3. As a guide, 47 holes returned a maximum assay result greater than or equal to 20% and 86 holes between 10-20%.

Balanced Reporting		
All Projects	*Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	All known exploration data has been presented and reported without bias.
Other Exploration Data		
Barramine	*Other exploration data, if meaningful and material, should be reported including (but not limited to):* *geological observations; geological survey results, geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	Appendix 2 lists all works and surveys undertaken.
Further work		
All Projects	*The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	Generalized proposed work is listed under Highlights. Specific details have not yet been established.

Appendix 4: Barramine Manganese Project, Summary of Drill Hole Collars and results including maximum manganese values by percentage

Prospect	Hole_ID	Max Mn	Max_Depth	Hole_Type	MGA94 Easting	MGA94 North	RL	Dip	Azimuth
Area 1	BRC001	10.8	78	RC	286036	7693719	216	-90	0
Area 1	BRC002	2.28	72	RC	286028	7693756	212	-90	0
Area 1	BRC003	8.91	54	RC	285607	7693690	211	-90	0
Area 1	BRC004	4.66	48	RC	286154	7693248	204	-90	0
Area 1	BRC005	3.77	66	RC	286250	7693400	206	-90	0
Area 1	BRC006	13	78	RC	286200	7692750	209	-90	0
Area 1	BRC007	12.5	24	RC	286220	7692660	208	-90	0
Area 1	**BRC008**	**38.7**	**24**	**RC**	**286236**	**7692633**	**210**	**-90**	**0**
Area 1	BRC009	14.2	24	RC	286225	7692625	210	-90	0
Area 1	BRC010	14.3	24	RC	286300	7692500	210	-90	0
Area 1	BRC011	13.5	24	RC	286370	7692344	211	-90	0
Area 1	BRC012	6.89	24	RC	286303	7692733	220	-90	0
Area 1	BRC013	0	72	RC	286850	7691900	228	-90	0
Area 1	BRC014	4.7	54	RC	286764	7692943	216	-90	0
Barramine	BRC015	4.24	36	RC	290352	7686307	222	-90	0
Barramine	**BRC016**	**18.4**	**42**	**RC**	**290380**	**7686340**	**221**	**-90**	**0**
Barramine	BRC017	2.09	78	RC	290389	7686375	221	-90	0
Area 3	**BRC018**	**28.7**	**48**	**RC**	**290325**	**7685600**	**243**	**-90**	**0**
Area 3	**BRC019**	**31.9**	**54**	**RC**	**290275**	**7685598**	**246**	**-90**	**0**
Area 3	BRC020	0	60	RC	290250	7685500	256	-90	0
Area 3	**BRC021**	**21.9**	**54**	**RC**	**290270**	**7685770**	**239**	**-90**	**0**
Area 3	BRC022	5.21	42	RC	290160	7685840	247	-90	0
Area 3	BRC023	3.24	42	RC	290125	7685838	247	-90	0
Area 3	**BRC024**	**15.3**	**36**	**RC**	**290080**	**7685840**	**253**	**-90**	**0**
Area 3	BRC025	5.27	30	RC	290100	7685800	256	-90	0
Area 3	**BRC026**	**24.7**	**36**	**RC**	**289985**	**7685770**	**258**	**-90**	**0**
Area 4	BRC027	2.57	72	RC	290918	7684984	257	-90	0

Prospect	Hole_ID	Max Mn	Max_Depth	Hole_Type	MGA94 Easting	MGA94 North	RL	Dip	Azimuth
Area 4	BRC028	6.11	78	RC	291150	7684800	241	-90	0
Area 4	BRC029	12.2	42	RC	291450	7684650	246	-90	0
Area 4	BRC030	8.38	48	RC	291490	7684690	247	-90	0
Area 4	BRC031	12.3	36	RC	291450	7684690	249	-90	0
Area 4	BRC032	14.8	42	RC	291410	7684690	254	-90	0
Area 4	BRC033	10.2	54	RC	291450	7684730	250	-90	0
Area 4	**BRC034**	**18.2**	**48**	**RC**	**291500**	**7684730**	**249**	**-90**	**0**
Area 4	**BRC035**	**23.1**	**54**	**RC**	**291550**	**7684730**	**250**	**-90**	**0**
Area 4	BRC036	0	72	RC	291500	7684780	248	-90	0
Area 4	**BRC037**	**20.4**	**48**	**RC**	**291380**	**7684740**	**251**	**-90**	**0**
Area 4	**BRC038**	**22.2**	**54**	**RC**	**291380**	**7684760**	**248**	**-90**	**0**
Area 4	**BRC039**	**20.4**	**66**	**RC**	**291400**	**7684760**	**249**	**-90**	**0**
Area 4	BRC040	8.31	60	RC	291360	7684760	246	-90	0
Area 4	**BRC041**	**23.5**	**54**	**RC**	**291380**	**7684780**	**246**	**-90**	**0**
Area 4	BRC042	8	24	RC	291300	7684800	248	-90	0
Area 4	**BRC043**	**27.9**	**54**	**RC**	**291450**	**7684780**	**248**	**-90**	**0**
Area 4	BRC044	11.9	24	RC	291630	7684610	267	-90	0
Area 4	BRC045	6.4	24	RC	291610	7684560	254	-90	0
Area 4	BRC046	5.26	36	RC	291760	7684540	260	-90	0
Area 4	BRC047	3.13	18	RC	291760	7684473	252	-90	0
Area 4	BRC048	0	6	RC	291720	7684500	257	-90	0
Jose South	BRC049	8.91	54	RC	291932	7683995	249	-90	0
Jose South	**BRC050**	**15.3**	**50**	**RC**	**291962**	**7683970**	**247**	**-90**	**0**
Jose South	BRC051	3	54	RC	291973	7684037	255	-90	0
Jose South	BRC052	8.83	66	RC	292015	7683999	262	-90	0
Jose South	BRC053	16	48	RC	291965	7684009	255	-90	0
Jose South	BRC054	0	30	RC	291931	7683878	240	-90	0
Area 5	BRC055	7.08	54	RC	286332	7684417	244	-90	0
Area 5	BRC056	3.74	54	RC	286310	7684397	244	-90	0

Prospect	Hole_ID	Max Mn	Max_Depth	Hole_Type	MGA94 Easting	MGA94 North	RL	Dip	Azimuth
Area 5	BRC057	12.5	48	RC	286377	7684301	233	-90	0
Area 5	BRC058	4.45	54	RC	286406	7684210	223	-90	0
Area 5	BRC059	1.9	36	RC	286618	7684290	201	-90	0
Area 5	BRC060	10.3	24	RC	286650	7684332	198	-90	0
Area 5	BRC061	1.36	48	RC	285941	7684247	244	-90	0
Area 1	BRC062	5.51	35	RC	285905	7693740	203	-90	0
Area 1	BRC063	12.5	97	RC	285988	7693614	208	-90	0
Area 1	**BRC064**	**22.7**	**70**	**RC**	**286400**	**7692625**	**211**	**-90**	**0**
Area 1	BRC065	7.7	29	RC	286450	7692625	204	-90	0
Area 1	BRC066	11.1	5	RC	286275	7692625	210	-90	0
Area 1	BRC067	0.96	66	RC	286450	7692625	204	-90	0
Area 1	BRC068	0	48	RC	286825	7692500	202	-90	0
Barramine	BRC069	0	48	RC	285306	7693445	191	-90	0
Barramine	BRC070	0	60	RC	285099	7693528	190	-90	0
Barramine	BRC071	0	60	RC	284882	7693216	188	-90	0
Barramine	BRC072	0	60	RC	284728	7692789	186	-90	0
Cleanskin	BRC073	0	54	RC	285501	7690287	210	-90	0
Cleanskin	BRC074	0	36	RC	285544	7690297	214	-90	0
Cleanskin	BRC075	0	48	RC	285457	7690302	208	-90	0
Cleanskin	BRC076	0	54	RC	285425	7691050	201	-90	0
Area 5	BRC077	8.05	60	RC	286425	7684175	219	-90	0
Area 5	**BRC078**	**18.8**	**48**	**RC**	**286401**	**7684092**	**232**	**-90**	**0**
Area 5	BRC079	5.15	42	RC	286375	7684106	233	-90	0
Area 5	**BRC080**	**16.9**	**60**	**RC**	**286304**	**7684103**	**213**	**-90**	**0**
Area 5	**BRC081**	**17**	**54**	**RC**	**286405**	**7684297**	**237**	**-90**	**0**
Area 5	BRC082	0	42	RC	287100	7684400	195	-90	0
Barramine	BRC083	6.32	66	RC	287250	7682150	240	-90	0
Barramine	BRC084	0	84	RC	287300	7682150	243	-90	0
Barramine	BRC085	0.21	84	RC	287200	7682150	233	-90	0

Prospect	Hole_ID	Max Mn	Max_Depth	Hole_Type	MGA94 Easting	MGA94 North	RL	Dip	Azimuth
Vino	BRC086	2.9	84	RC	287500	7682300	230	-90	0
Barramine	BRC087	0.03	84	RC	287250	7682180	231	-90	0
Vino	BRC088	3.2	90	RC	287453	7682268	231	-90	0
Vino	BRC089	4.6	90	RC	287500	7682275	231	-90	0
Vino	BRC090	2.68	54	RC	287670	7683140	211	-90	0
Barramine	BRC091	0.16	84	RC	287350	7683700	207	-90	0
Barramine	BRC092	2.3	60	RC	287300	7683700	203	-90	0
Barramine	BRC093	0.12	36	RC	284500	7687980	181	-90	0
Barramine	BRC094	0.02	54	RC	284450	7687100	180	-90	0
Barramine	BRC095	0	48	RC	284625	7686560	191	-90	0
Barramine	BRC096	0	90	RC	285350	7685800	201	-90	0
Barramine	BRC097	0	96	RC	285400	7685800	198	-90	0
Barramine	BRC098	6.24	96	RC	285850	7685400	224	-90	0
Barramine	BRC099	0	39	RC	285800	7685400	219	-90	0
Barramine	BRC100	1.38	96	RC	285805	7685400	220	-90	0
Vino	BRC101	8.05	108	RC	287721	7683521	204	-90	0
Vino	BRC102	3.91	90	RC	287675	7683525	204	-90	0
Jose South	BRC103	15.9	74	RC	291975	7683925	246	-90	0
Jose South	BRC104	0	73	RC	291950	7683895	241	-90	0
Jose South	BRC105	0	79	RC	291932	7683878	240	-90	0
Jose South	BRC106	9.99	133	RC	291600	7684200	241	-90	0
Jose South	**BRC107**	**15.7**	**133**	**RC**	**291600**	**7684150**	**241**	**-90**	**0**
Jose South	**BRC108**	**26.4**	**94**	**RC**	**291600**	**7684090**	**241**	**-90**	**0**
Area 4	BRC109	3.97	61	RC	291600	7684045	241	-90	0
Area 4	BRC110	5.17	121	RC	291650	7683500	240	-90	0
Area 4	BRC111	0	67	RC	291550	7683850	246	-90	0
Jose South	**BRC112**	**21.5**	**97**	**RC**	**291600**	**7684250**	**244**	**-90**	**0**
Area 4	BRC113	8.05	139	RC	291500	7684200	244	-90	0
Area 4	BRC114	6.57	85	RC	291500	7684150	244	-90	0

Prospect	Hole_ID	Max Mn	Max_Depth	Hole_Type	MGA94 Easting	MGA94 North	RL	Dip	Azimuth
Jose South	BRC115	9.06	74	RC	291800	7684100	239	-90	0
Jose South	BRC116	5.53	109	RC	291800	7684150	239	-90	0
Jose South	BRC117	11.1	98	RC	291700	7684125	240	-90	0
Area 4	BRC118	11.4	49	RC	291650	7684730	248	-90	0
Area 4	BRC119	7.62	73	RC	291550	7684780	250	-90	0
Area 4	BRC120	9.37	97	RC	291500	7684820	247	-90	0
Rex	BRC121	1.16	50	RC	285340	7693028	194	-50	142
Rex	BRC122	9.6	50	RC	285590	7692890	195	-50	229
Rex	BRC123	0	25	RC	285500	7692800	194	-50	227
Nells	BRC124	2.22	140	RC	287495	7690775	221	-90	0
Nells	BRC125	0	48	RC	287160	7689885	218	-90	0
Nells	BRC126	1.59	54	RC	287050	7689880	213	-90	0
Nells	BRC127	3.73	79	RC	286735	7689715	223	-90	0
Nells	BRC128	3.38	90	RC	286825	7689775	217	-90	0
Nells	BRC129	3.83	66	RC	286875	7689920	213	-90	0
Nells	BRC130	1.32	36	RC	286980	7689590	229	-90	0
Nells	BRC131	5.33	42	RC	287140	7689680	228	-90	0
Nells	BRC132	6.76	30	RC	287100	7689799	221	-90	0
Nells	BRC133	3.32	54	RC	287383	7689759	223	-90	0
Nells	BRC134	4.05	48	RC	287367	7689782	223	-90	0
Nells	BRC135	32.8	78	RC	287418	7689391	224	-90	0
Nells	BRC136	4.03	84	RC	287521	7689356	237	-90	0
Nells	BRC137	6.24	42	RC	287532	7689373	238	-60	2
Nells	BRC138	7.47	66	RC	287502	7689397	229	-90	0
Nells	BRC139	0.81	72	RC	287463	7689427	224	-90	0
Nells	BRC140	5.36	120	RC	287550	7689500	240	-90	0
Nells	BRC141	0	66	RC	287100	7688700	239	-90	0
Nells	BRC142	3.22	72	RC	287086	7688699	238	-60	272
Nells	BRC143	4.92	80	RC	287140	7689310	229	-60	92

Prospect	Hole_ID	Max Mn	Max_Depth	Hole_Type	MGA94 Easting	MGA94 North	RL	Dip	Azimuth
Rusty	BRC144	10.8	126	RC	288325	7688650	232	-90	0
Rusty	BRC145	4.58	144	RC	288275	7688650	229	-90	0
Rusty	BRC146	3.59	102	RC	288225	7688650	226	-90	0
Rusty	BRC147	0	78	RC	288200	7688600	227	-60	92
Rusty	BRC148	2.83	78	RC	288473	7689351	242	-90	0
Rusty	BRC149	0.99	120	RC	288480	7689302	238	-90	0
Rusty	BRC150	0	120	RC	288470	7689264	234	-60	317
Rusty	BRC151	0	78	RC	288372	7688902	229	-90	0
Rusty	BRC152	0.05	78	RC	288296	7689201	223	-90	0
Rusty	BRC153	6.69	102	RC	288090	7688601	226	-60	2
Rusty	BRC154	3.95	78	RC	288426	7688245	250	-60	272
Rusty	BRC155	2.35	78	RC	288540	7687996	250	-60	272
Rusty	BRC156	1.18	72	RC	288590	7688000	234	-60	272
Rusty	BRC157	8.21	54	RC	288524	7688272	235	-90	0
Rusty	BRC158	4.86	84	RC	288565	7688253	234	-60	227
Rusty	BRC159	0	78	RC	288747	7688400	244	-90	0
Rusty	BRC160	0	78	RC	288845	7688494	248	-90	0
Rusty	BRC161	9.6	144	RC	289100	7688300	238	-90	0
Rusty	BRC162	0.86	144	RC	289050	7688300	240	-90	0
Rusty	BRC163	3.59	114	RC	288600	7688325	240	-50	272
Rusty	BRC164	0.56	90	RC	288650	7688325	237	-90	0
Rusty	BRC165	0	71	RC	288700	7688325	231	-90	0
Area 3	BRC166	2.83	24	RC	290040	7685840	250	-50	227
Area 3	BRC167	12.1	90	RC	290235	7685760	237	-50	92
Area 3	**BRC168**	**19**	**60**	**RC**	**290280**	**7685760**	**237**	**-50**	**92**
Area 3	**BRC169**	**36.5**	**66**	**RC**	**290240**	**7685800**	**235**	**-50**	**92**
Area 3	**BRC170**	**17**	**60**	**RC**	**290240**	**7685880**	**247**	**-50**	**92**
Area 3	BRC171	14.5	90	RC	290240	7685720	239	-50	92
Area 3	**BRC172**	**32.9**	**66**	**RC**	**290240**	**7685680**	**241**	**-50**	**92**

Prospect	Hole_ID	Max Mn	Max_Depth	Hole_Type	MGA94 Easting	MGA94 North	RL	Dip	Azimuth
Area 3	**BRC173**	**16.4**	**84**	**RC**	**290280**	**7685720**	**237**	**-70**	**92**
Area 3	**BRC174**	**29.1**	**78**	**RC**	**290280**	**7685680**	**233**	**-70**	**92**
Area 3	**BRC175**	**17.3**	**90**	**RC**	**290280**	**7685640**	**239**	**-60**	**92**
Area 3	BRC176	10.2	90	RC	290325	7685595	243	-60	92
Area 3	**BRC177**	**23**	**78**	**RC**	**290160**	**7685485**	**249**	**-90**	**0**
Area 3	BRC178	0	84	RC	290045	7685377	269	-90	0
Area 3	BRC179	10.7	48	RC	290143	7685445	249	-90	0
Area 3	BRC180	4.09	70	RC	289960	7685720	252	-50	2
Area 3	BRC181	13.9	36	RC	290000	7685760	258	-50	2
Area 3	BRC182	12.6	54	RC	290040	7685800	262	-60	2
Area 3	**BRC183**	**15**	**66**	**RC**	**290476**	**7685423**	**247**	**-50**	**2**
Area 3	BRC184	1.78	90	RC	290476	7685463	241	-50	2
Area 3	BRC185	0	66	RC	290476	7685509	234	-50	2
Area 3	BRC186	5.84	66	RC	290600	7685321	247	-50	92
Area 3	BRC187	13.3	90	RC	290654	7685320	246	-50	92
Area 3	BRC188	9.83	72	RC	290732	7685317	237	-50	92
Area 3	BRC189	3.57	78	RC	290770	7685318	236	-50	92
Area 3	BRC190	7.69	78	RC	290479	7685411	247	-50	272
Area 4	BRC191	1.18	78	RC	290390	7684837	250	-90	0
Jose north	BRC192	0	78	RC	290896	7684498	255	-90	0
Jose north	BRC193	3	90	RC	291681	7684678	255	-50	92
Jose north	BRC194	6.99	66	RC	291641	7684678	258	-50	92
Jose north	**BRC195**	**22.7**	**72**	**RC**	**291598**	**7684683**	**257**	**-50**	**92**
Jose north	**BRC196**	**21.4**	**66**	**RC**	**291563**	**7684682**	**252**	**-50**	**92**
Jose north	BRC197	11.6	66	RC	291520	7684682	249	-50	92
Jose north	BRC198	10.7	96	RC	291680	7684640	264	-55	92
Jose north	BRC199	8.52	66	RC	291640	7684640	268	-50	92
Jose north	BRC200	10.3	72	RC	291604	7684638	261	-55	92
Jose north	BRC201	5.88	66	RC	291563	7684644	254	-50	92

Prospect	Hole_ID	Max Mn	Max_Depth	Hole_Type	MGA94 Easting	MGA94 North	RL	Dip	Azimuth
Area 4	BRC202	1.35	120	RC	290949	7684522	239	-60	272
Jose south	BRC203	8.6	66	RC	291601	7684323	253	-50	2
Jose south	BRC204	6.25	72	RC	291520	7684280	243	-50	2
Jose south	**BRC205**	**29.7**	**90**	**RC**	**291518**	**7684241**	**242**	**-50**	**2**
Jose south	BRC206	13.9	66	RC	291599	7684283	246	-50	2
Jose south	BRC207	23	66	RC	291597	7684243	243	-50	2
Jose south	**BRC208**	**34.6**	**66**	**RC**	**291678**	**7684286**	**246**	**-50**	**2**
Jose south	BRC209	9.14	78	RC	291678	7684238	244	-50	2
Jose south	**BRC210**	**20.7**	**78**	**RC**	**291684**	**7684202**	**242**	**-50**	**2**
Jose south	BRC211	8.75	78	RC	291445	7684303	245	-50	2
Area 4	**BRC212**	**18.2**	**78**	**RC**	**291563**	**7683403**	**243**	**-50**	**272**
Area 4	**BRC213**	**19.8**	**72**	**RC**	**291523**	**7683395**	**244**	**-50**	**270**
Area 4	**BRC214**	**21.9**	**78**	**RC**	**291480**	**7683400**	**249**	**-50**	**259**
Jose south	BRC215	6.83	66	RC	291960	7684085	241	-50	259
Jose south	BRC216	8.76	78	RC	291924	7684081	242	-50	259
Big Mn	**BRC217**	**15.6**	**60**	**RC**	**288092**	**7687279**	**259**	**-60**	**92**
Big Mn	**BRC218**	**21.3**	**48**	**RC**	**288061**	**7687300**	**258**	**-60**	**62**
Big Mn	**BRC219**	**33.5**	**48**	**RC**	**288070**	**7687282**	**258**	**-60**	**92**
Big Mn	BRC220	8.29	54	RC	288096	7687262	260	-55	2
Beebie	BRC221	0	54	RC	284405	7689635	203	-50	272
Beebie	BRC222	0	60	RC	284550	7689665	192	-90	0
Beebie	BRC223	6.04	60	RC	283950	7688575	189	-50	2
Beebie	**BRC224**	**23.9**	**60**	**RC**	**284130**	**7688900**	**209**	**-50**	**182**
Keeleys Line	**BRC225**	**15.4**	**78**	**RC**	**283925**	**7686450**	**183**	**-50**	**92**
Keeleys Line	BRC226	4.01	78	RC	283895	7686450	182	-60	92
Keeleys Line	BRC227	7.82	60	RC	283560	7685715	183	-50	137
Keeleys Line	BRC228	0	42	RC	283500	7685750	179	-50	137
Keeleys Line	BRC229	0	78	RC	283875	7685920	186	-90	78
Nells	**BRC230**	**16.2**	**60**	**RC**	**287420**	**7689430**	**224**	**-90**	**0**

Prospect	Hole_ID	Max Mn	Max_Depth	Hole_Type	MGA94 Easting	MGA94 North	RL	Dip	Azimuth
Nells	BRC231	6.11	54	RC	287420	7689350	224	-90	0
Nells	BRC232	6.11	72	RC	287380	7689390	229	-90	0
Nells	BRC233	0	48	RC	287435	7689515	222	-50	137
Nells	**BRC234**	**14.9**	**66**	**RC**	**286650**	**7689775**	**246**	**-50**	**137**
Nells	BRC235	9.37	78	RC	286749	7689885	250	-50	117
Area 3	BRC236	10.7	60	RC	290241	7685717	239	-50	272
Area 3	BRC237	14.3	66	RC	290242	7685759	237	-55	272
Area 3	BRC238	10.1	60	RC	290238	7685802	235	-55	272
Area 3	**BRC239**	**34.5**	**78**	**RC**	**290274**	**7685800**	**239**	**-90**	**0**
Area 3	BRC240	7.47	60	RC	290232	7685842	240	-50	258
Area 3	**BRC241**	**40.2**	**96**	**RC**	**290234**	**7685841**	**243**	**-90**	**0**
Area 3	BRC242	5.82	78	RC	290244	7685643	239	-60	92
Area 3	BRC243	0	78	RC	290202	7685437	256	-90	0
Area 3	BRC244	13.3	48	RC	290120	7685479	258	-90	0
Area 3	BRC245	5.88	78	RC	290121	7685519	269	-90	0
Area 3	**BRC246**	**27.6**	**78**	**RC**	**290164**	**7685522**	**265**	**-90**	**0**
Area 3	**BRC247**	**22.3**	**78**	**RC**	**290199**	**7685514**	**268**	**-90**	**0**
Area 3	**BRC248**	**31.1**	**84**	**RC**	**290198**	**7685475**	**259**	**-90**	**0**
Area 3	BRC249	6.27	78	RC	290221	7685469	255	-90	0
Area 5	**BRC250**	**45.8**	**72**	**RC**	**285761**	**7684271**	**200**	**-50**	**92**
Area 5	BRC251	2.22	78	RC	285830	7684473	200	-90	0
Area 5	BRC252	1.6	78	RC	286101	7685013	245	-50	317
Area 5	**BRC253**	**15.3**	**60**	**RC**	**286449**	**7684555**	**245**	**-60**	**272**
Area 5	**BRC254**	**14.1**	**90**	**RC**	**286418**	**7684168**	**220**	**-50**	**137**
Area 5	**BRC255**	**15.4**	**60**	**RC**	**286403**	**7684298**	**237**	**-50**	**102**
Area 5	**BRC256**	**18.7**	**54**	**RC**	**286335**	**7684399**	**244**	**-50**	**62**
Area 5	BRC257	6.3	132	RC	287763	7683689	204	-90	0
Jose south	BRC258	12.2	82	RC	291717	7684275	244	-60	2
Jose south	BRC259	11.7	82	RC	291722	7684240	243	-60	2

Prospect	Hole_ID	Max Mn	Max_Depth	Hole_Type	MGA94 Easting	MGA94 North	RL	Dip	Azimuth
Jose south	BRC260	4.83	118	RC	291719	7684206	240	-60	2
Cleanskin	BRC261	0	58	RC	284856	7691519	240	-90	2
Martin's Valley	BRC262	0	58	RC	284370	7688520	240	-90	2
Jose south	BRC263	11	142	RC	291720	7684149	241	-60	2
Jose south	BRC264	7.91	142	RC	291718	7684112	239	-60	2
Jose south	BRC265	12	142	RC	291680	7684161	239	-60	2
Jose south	**BRC266**	**37.3**	**154**	**RC**	**291675**	**7684123**	**239**	**-60**	**2**
Jose south	**BRC267**	**15.4**	**82**	**RC**	**291645**	**7684274**	**246**	**-60**	**2**
Jose south	BRC268	13	82	RC	291641	7684238	243	-60	2
Jose south	**BRC269**	**26.3**	**112**	**RC**	**291644**	**7684205**	**242**	**-60**	**2**
Jose south	BRC270	9.15	143	RC	291639	7684165	239	-60	2
Jose south	BRC271	7.43	100	RC	291600	7684199	241	-60	2
Jose south	BRC272	9.46	118	RC	291601	7684155	240	-60	2
Jose south	BRC273	7.64	70	RC	291561	7684276	245	-60	2
Jose south	BRC274	6.06	82	RC	291564	7684235	243	-60	2
Jose south	BRC275	7.99	154	RC	291559	7684205	241	-60	2
Rusty	BRC276	0	58	RC	289115	7688277	240	-90	2
Jose south	BRC277	9.46	160	RC	291559	7684162	242	-60	2
Jose south	BRC278	7.79	160	RC	291519	7684196	243	-60	2
Jose south	BRC279	6.54	178	RC	291518	7684160	242	-60	2
Jose south	**BRC280**	**28.5**	**110**	**RC**	**291478**	**7684281**	**242**	**-60**	**2**
Jose south	BRC281	12.2	130	RC	291477	7684237	241	-60	2
Jose south	BRC282	8.2	142	RC	291481	7684206	242	-60	2
Jose south	**BRC283**	**21.9**	**148**	**RC**	**291478**	**7684158**	**245**	**-60**	**2**
Area 3	BRC284	11.9	184	RC	290318	7685883	230	-60	272
Area 3	BRC285	2.5	172	RC	290278	7685879	234	-60	272
Area 3	BRC286	2.7	118	RC	290231	7685840	241	-60	272
Area 3	BRC287	11.1	136	RC	290251	7685877	242	-60	272
Area 3	**BRC288**	**18**	**148**	**RC**	**290283**	**7685841**	**230**	**-60**	**272**

Prospect	Hole_ID	Max Mn	Max_Depth	Hole_Type	MGA94 Easting	MGA94 North	RL	Dip	Azimuth
Area 3	**BRC289**	**16.4**	**178**	**RC**	**290322**	**7685843**	**231**	**-60**	**272**
Area 3	**BRC290**	**46.4**	**160**	**RC**	**290284**	**7685803**	**236**	**-60**	**272**
Area 3	BRC291	2.54	166	RC	290318	7685808	231	-60	272
Area 3	**BRC292**	**31.6**	**100**	**RC**	**290281**	**7685763**	**237**	**-60**	**272**
Area 3	BRC293	8.67	118	RC	290320	7685761	232	-60	272
Area 3	BRC294	13.8	106	RC	290322	7685725	232	-60	272
Area 3	BRC295	9.36	112	RC	290359	7685719	230	-60	272
Area 3	BRC296	9.08	82	RC	290251	7685679	236	-60	272
Area 3	BRC297	8.8	100	RC	290288	7685678	233	-60	272
Area 3	BRC298	5.69	118	RC	290332	7685676	231	-60	272
Area 3	BRC299	11.8	76	RC	290287	7685640	239	-60	272
Area 3	BRC300	4.46	94	RC	290333	7685639	235	-60	272
Area 3	BRC301	5.25	136	RC	290200	7685600	263	-60	272
Area 3	BRC302	6.41	70	RC	290279	7685601	240	-60	272
Area 3	**BRC303**	**19.6**	**112**	**RC**	**290282**	**7685598**	**241**	**-60**	**92**
Area 3	**BRC304**	**23.3**	**76**	**RC**	**290272**	**7685599**	**247**	**-80.8**	**105**
Area 3	BRC305	10	94	RC	290356	7685549	234	-60	272
Area 3	BRC306	13.6	94	RC	290247	7685563	255	-60	272
Area 3	**BRC307**	**31.7**	**76**	**RC**	**290200**	**7685520**	**268**	**-60**	**272**
Area 3	BRC308	7.92	100	RC	290240	7685517	252	-60	272
Area 3	BRC309	14.8	82	RC	290200	7685478	253	-60	272
Area 3	BRC310	3.28	82	RC	290209	7685438	257	-60	272
Area 3	BRC311	6.45	58	RC	290216	7685400	262	-60	272
Area 3	**BRC312**	**17.5**	**76**	**RC**	**290243**	**7685399**	**262**	**-60**	**272**
Area 3	BRC313	10.2	118	RC	290271	7685360	262	-60	272
Area 3	BRC314	11.8	94	RC	290242	7685483	256	-60	272
Area 3	BRC315	2.47	88	RC	290316	7685521	249	-60	272
Area 3	BRC316	3.44	148	RC	290281	7685439	246	-60	272
Area 3	BRC317	4.6	166	RC	290361	7685599	238	-60	272

Prospect	Hole_ID	Max Mn	Max_Depth	Hole_Type	MGA94 Easting	MGA94 North	RL	Dip	Azimuth
Area 3	**BRC318**	**25.6**	**94**	**RC**	**290289**	**7685683**	**233**	**-60**	**92**
Area 3	**BRC319**	**15.7**	**88**	**RC**	**290282**	**7685715**	**238**	**-60**	**92**
Area 3	BRC320	11.6	130	RC	290243	7685843	239	-60	92
Area 3	BRC321	11.9	220	RC	290144	7685848	247	-60	92
Barramine	BRC322	0.25	100	RC	285630	7686121	193	-90	2
Barramine	BRC323	1.34	100	RC	284204	7687383	176	-90	2
Barramine	BRC324	0.67	118	RC	284204	7687501	179	-90	2
Barramine	BRC325	0.42	94	RC	284526	7687951	184	-90	2
Barramine	BRC326	0.31	98	RC	284489	7688031	184	-90	2
Vino	BRC327	4.95	94	RC	287509	7682216	235	-90	2
Vino	BRC328	3.94	118	RC	287511	2682211	235	-60	182
Vino	BRC329	0.95	98	RC	287300	7683677	204	-90	2
Barramine	BRC330	1.33	118	RC	291878	7682223	239	-90	2
Barramine	BRC331	0.81	100	RC	292482	7682771	239	-90	2
Jose South	**BRC332**	**29.3**	**160**	**RC**	**291960**	**7683933**	**248**	**-90**	**2**
Jose South	BRC333	11.6	190	RC	291996	7684002	258	-60	272
Jose South	BRC334	6.91	178	RC	291581	7684132	242	-90	2
Area 4	BRC335	10.7	163	RC	291078	7685075	238	-90	2
Area 4	BRC336	0.31	58	RC	290674	7684987	240	-90	2
Area 3	BRC337	12.8	250	RC	290360	7685840	240	-60	272
Jose North	**BRC338**	**21.4**	**148**	**RC**	**291400**	**7684760**	**246**	**-60**	**317**
Jose North	BRC339	13	196	RC	291430	7684732	248	-60	317
Jose North	**BRC340**	**28.2**	**148**	**RC**	**291457**	**7684822**	**245**	**-60**	**317**
Jose North	BRC341	10.4	148	RC	291487	7684796	247	-60	317
Rusty North	BRC342	2.1	118	RC	288159	7688612	225	-90	2
Rusty North	BRC343	7.68	136	RC	288104	7689413	216	-90	2