



## QUARTERLY REPORT FOR THE PERIOD ENDED 30 JUNE 2018

### EXPLORATION – BRYAH BASIN

- Manganese Option Agreements executed to purchase the Mining Lease covering the historic Horseshoe South Manganese Mine as well as the Manganese Rights covering a total of 154km<sup>2</sup> of ground within the Bryah Basin.
- Manganese exploration programme commenced with sampling and mapping identifying several new target areas. The best rock chip assay results reported to date are:
  - Horseshoe South Mine: **48.8%, 46.8% and 44.3% Mn;**
  - Black Hill Prospect: **52.1%, 49.5% and 48.2% Mn;**
  - Black Caviar Prospect: **49.1%, 48.5% and 44.1% Mn;**
  - Mudderwearie Mine: **50.9% and 47.7% Mn,** and
  - Devils Hill Prospect: **42.1% and 41.0% Mn.**
- Moving Loop Electromagnetic survey successfully completed over 6 anomalies identified by the airborne geophysical survey completed in the previous quarter. Targeting Cu-Au VMS mineralisation.
- EIS Co-funded drilling grant for \$150,000 approved.

### EXPLORATION – GABANINTHA

- Nickel and Copper Mineral Resource estimate for the Gabanintha Vanadium deposit reported by Australian Vanadium Limited (ASX:AVL). Bryah Resources Limited holds the mineral rights to Nickel and Copper at Gabanintha.
- Inferred Mineral Resource of 12.5Mt containing, inter alia, 659ppm Nickel and 222ppm Copper.

This report summarises the exploration and corporate activities of Bryah Resources Limited (“Bryah” or “the Company”) during the quarter ended 30 June 2018.

#### Address

Level 1, 85 Havelock Street  
West Perth WA 6005  
Tel: +61 8 9321 0001  
Email: [info@bryah.com.au](mailto:info@bryah.com.au)

#### ASX Code: BYH

ABN: 59 616 795 245  
Shares on issue: 56,350,120  
Latest Share Price: \$0.12  
Market Capitalisation: \$6.76M

#### Projects

Bryah Basin – Copper, Gold,  
Manganese  
Gabanintha – Gold, Copper  
[bryah.com.au](http://bryah.com.au)

## Exploration Activities

### Bryah Basin Project

The Bryah Basin project covers 720 km<sup>2</sup> in central Western Australia. The project is located close to several gold, copper and manganese mining operations including the high-grade DeGrussa Cu-Au mine operated by Sandfire Resources NL.

The Company's tenements cover largely unexplored ground adjacent to the Cu-Au deposit at Horseshoe Lights (see Figure 1) which is hosted in similar aged volcanic and sedimentary rocks as at the DeGrussa Cu-Au mine.

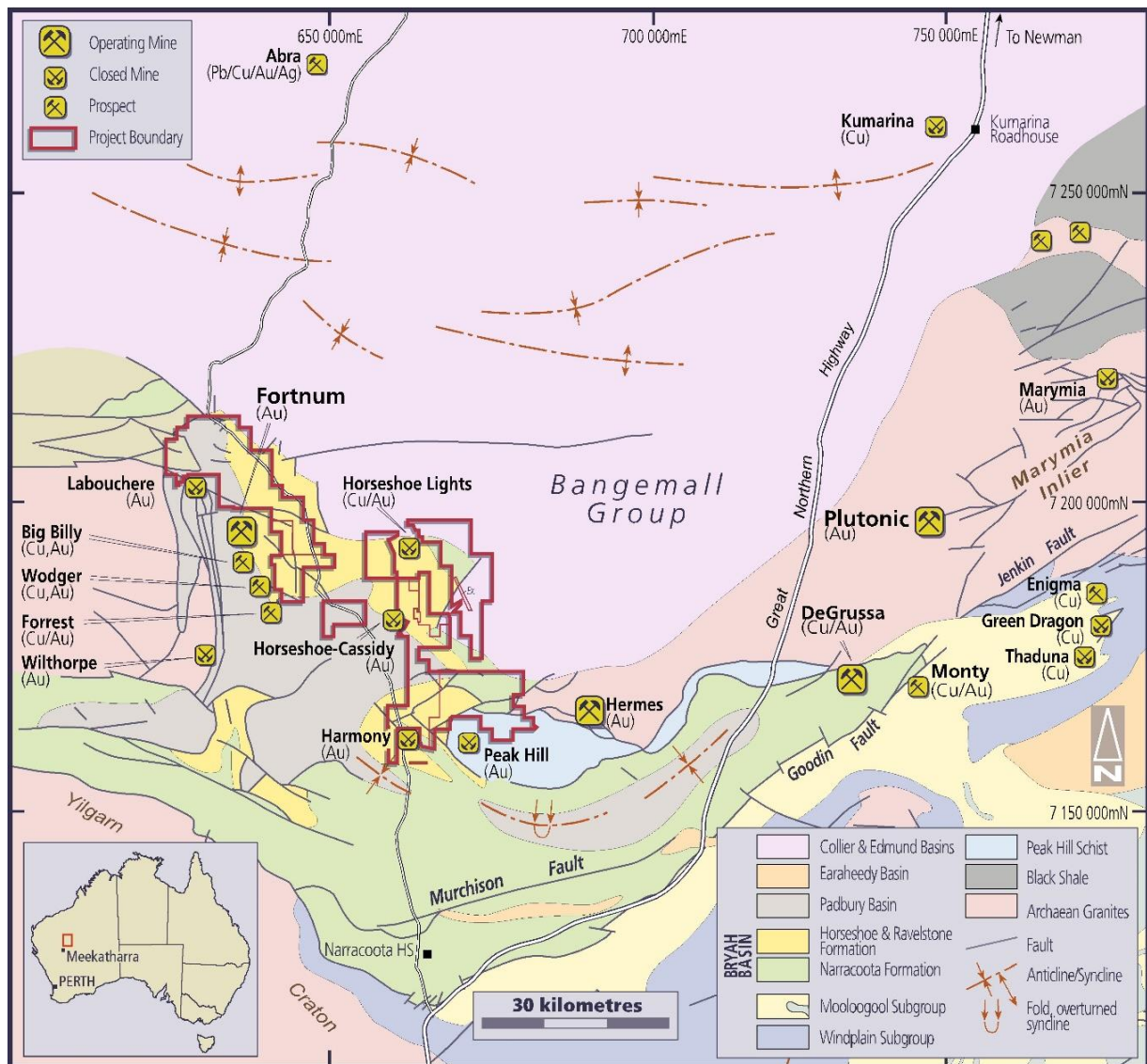


Figure 1 – Bryah Basin Project Map

### Manganese Strategy

During the previous quarter the Company announced the broadening of its exploration activities to target manganese. The Bryah Basin is well known for hosting a number of historical manganese mining areas. Manganese mining activities are known to have occurred during the period 1948 – 1967 with manganese production grades above 40% Mn reported.

The manganese exploration strategy commenced in earnest in March 2018 with reconnaissance sampling and mapping of Bryah’s tenements by Company personnel continuing throughout the period. Numerous rock chip samples have been collected from previously mined areas as well as new and under-explored locations. Laboratory assays for a total of 42 rock chip samples collected from numerous locations, including Black Hill, Black Caviar, Devils Hill and Mudderwearie (see Figure 2) have been received and reported during the quarter (see Table 1 and ASX announcements dated 3 May 2018 and 5 July 2018).

The best rock chip assay results reported to date are:

Black Hill Prospect - **52.1%, 49.5% and 48.2% Mn** (see Figure 3 and Plate 1);

Black Caviar Prospect- **49.1%, 48.5% and 44.1% Mn** (see Figure 4 and Plate 2);

Mudderwearie Mine - **50.9% and 47.7% Mn** (see Figure 5 and Plate 3), and

Devils Hill Prospect - **42.1% and 41.0% Mn** (see Figure 5 and Plates 4 & 5).

The assay results from the mapping and sampling programme on the Company’s 100% owned tenements confirm the presence of in-situ high grade manganese at several locations which will be the focus of follow-up exploration, including drilling.

### Manganese Option Agreements

As part of the Manganese strategy, the Company announced in May (refer ASX announcement dated 7 May 2018) that it had executed exclusive option agreements to purchase the Mining Lease covering the historic Horseshoe South Manganese Mine as well as the rights to prospect, explore, mine and develop manganese ore (“Manganese Rights”) covering a total of 154km<sup>2</sup> of ground within the Bryah Basin in central Western Australia (see Figure 2).

The Mining Lease (M52/806) and Manganese Rights are currently held by Peak Hill Manganese Pty Ltd (“PHM”). The option agreements are for a period of 1 year with other details of the Option Agreements set out in Appendix 1.

The Horseshoe Range area has been the main manganese producing region within the Bryah and Padbury Basins, with production dominated by the Horseshoe South Mine, and a satellite deposit at the Horseshoe North Mine which is located on E52/1860 (see Figure 2). The Horseshoe South Manganese mine was last operated from 2008 to 2011 by Process Minerals International, a subsidiary of Mineral Resources Limited (“MIN”).



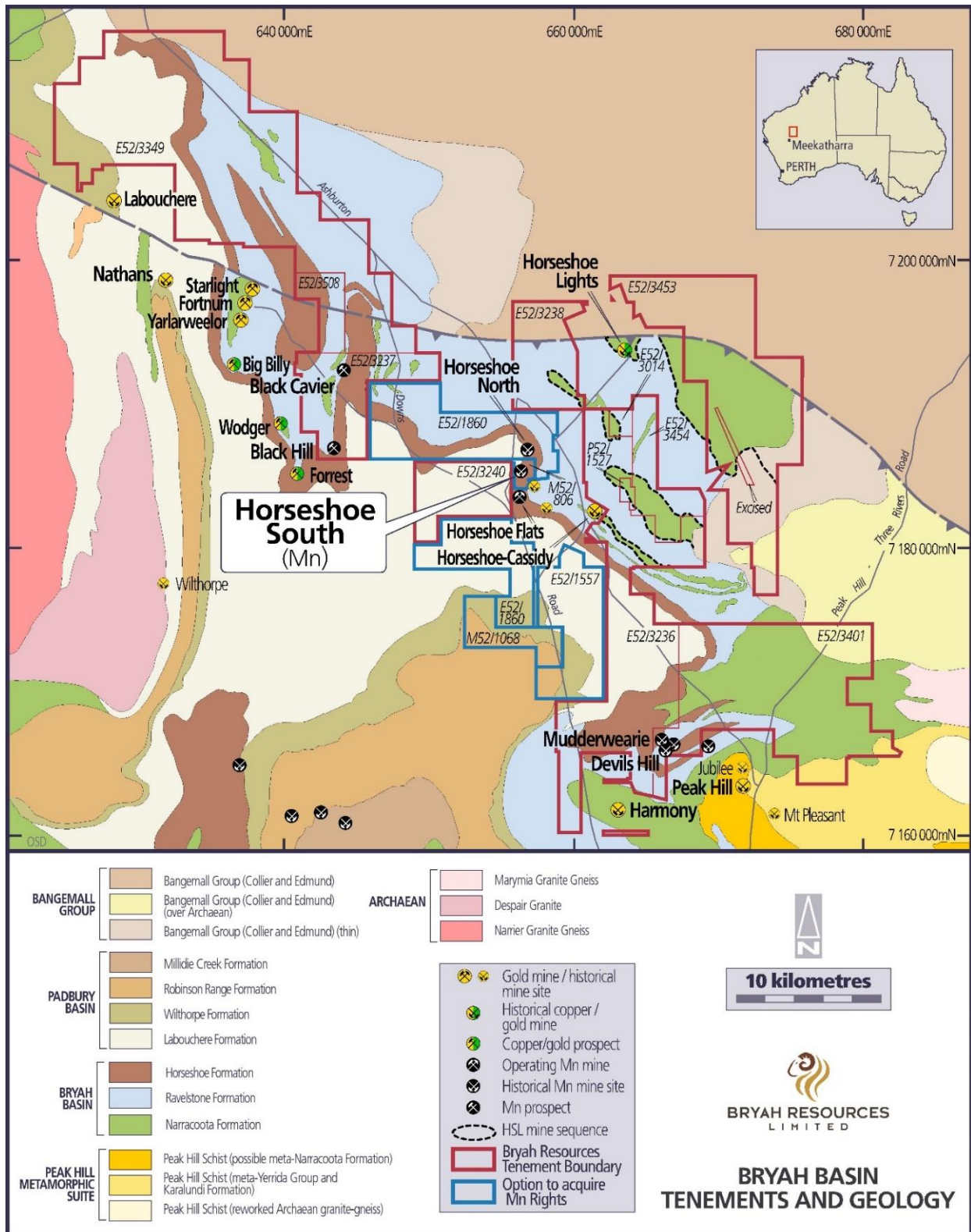


Figure 2 – Bryah Basin Tenements and Regional Geology Map



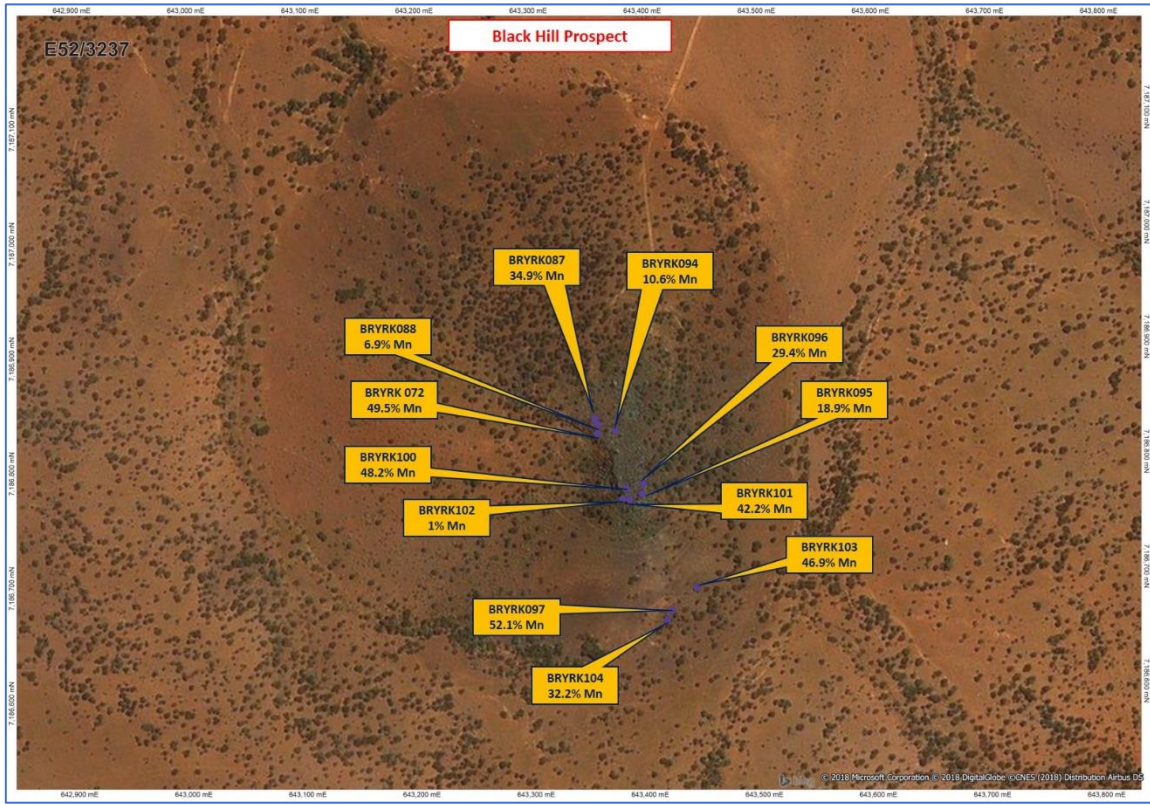


Figure 3 – Satellite imagery showing Black Hill Prospect and sample locations

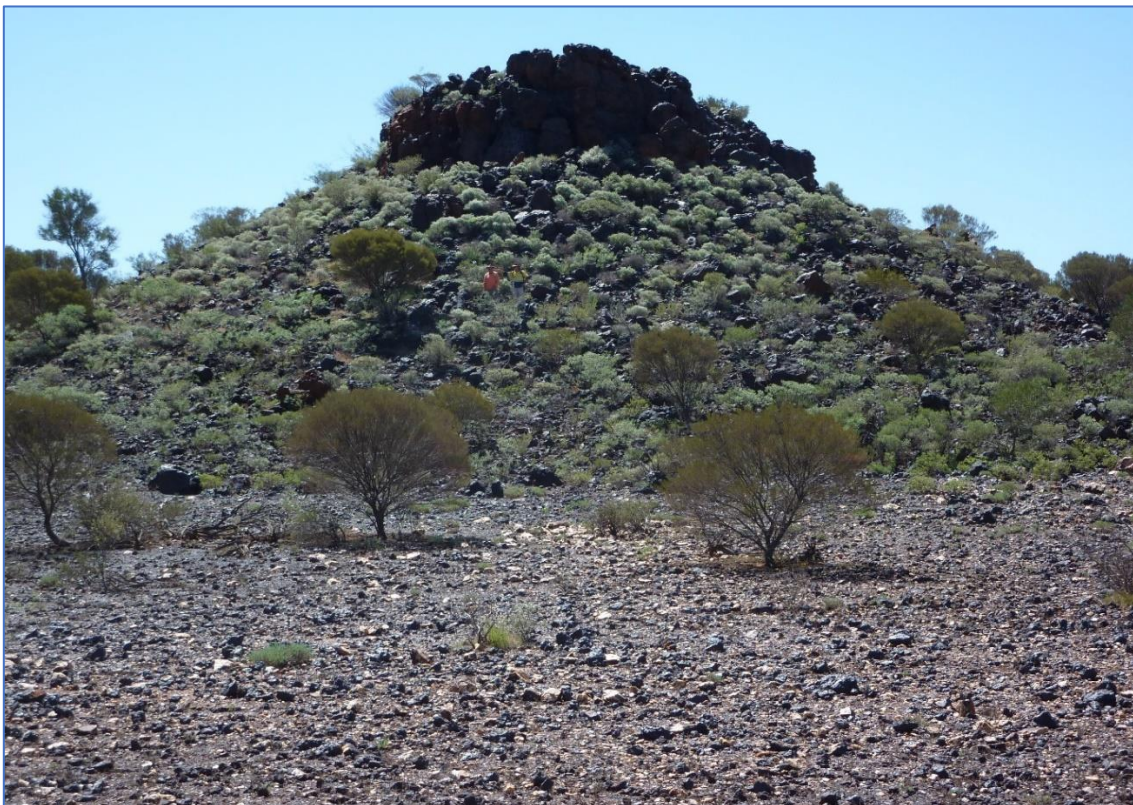


Plate 1 – Manganese capped mesa at Black Hill



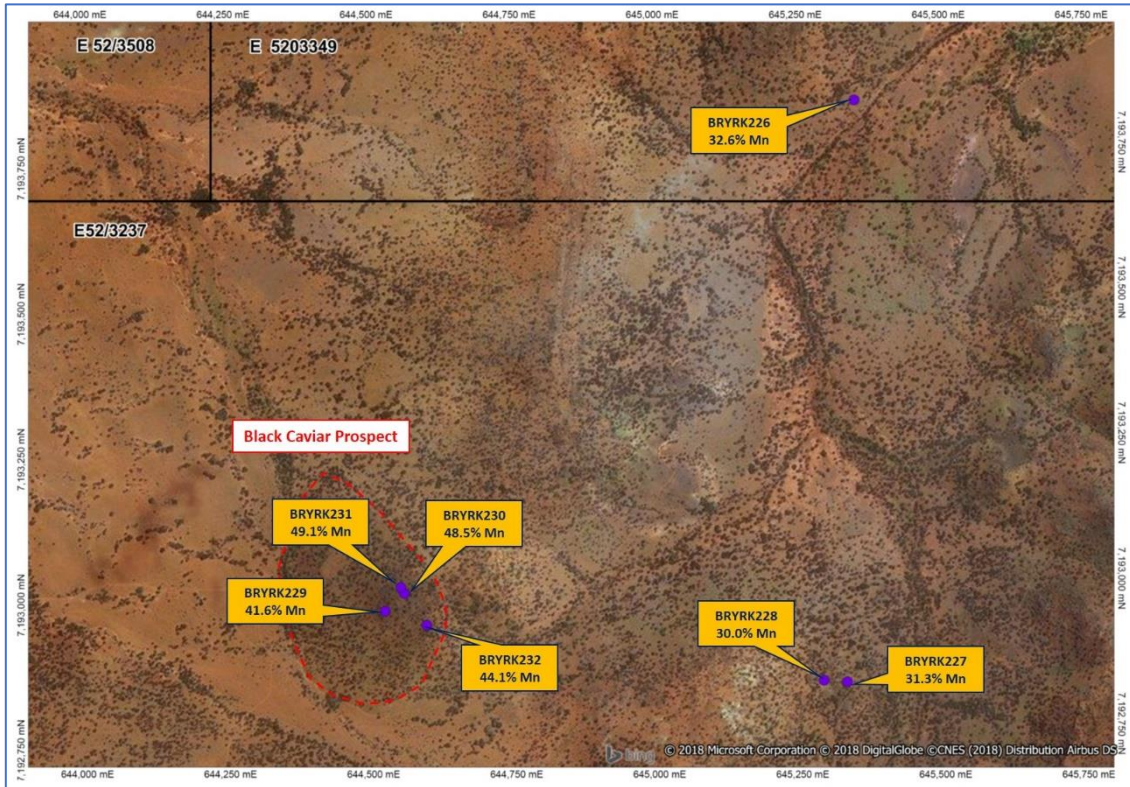


Figure 4 – Satellite imagery showing Black Caviar Prospect, sample locations and results



Plate 2 – Manganese outcrop at Black Caviar Prospect



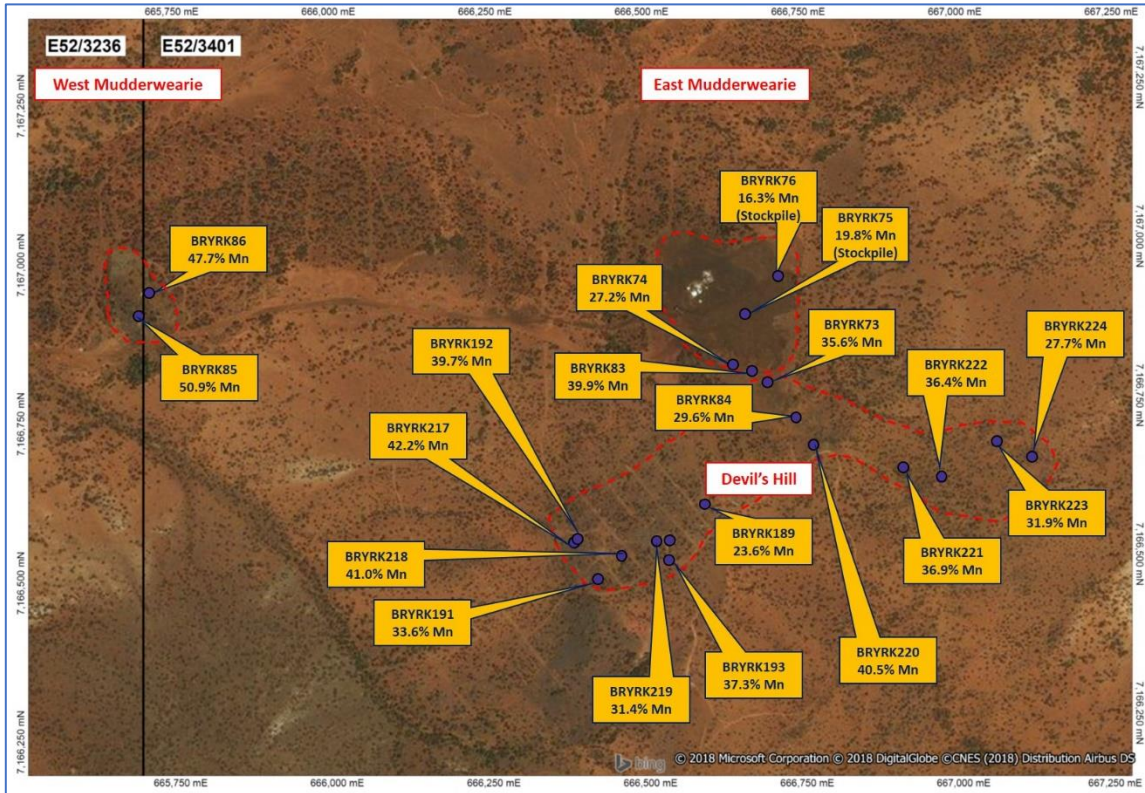


Figure 5 – Satellite imagery showing Mudderwearie Mines and Devils Hill Prospect sample locations.



Plate 3 – West Mudderwearie Mine with evidence of manganese mineralisation in the far end of the pit.





*Plate 4 – Outcropping and scree Manganese at the Devils Hill Prospect*



*Plate 5 – Outcropping and scree Manganese at the Devils Hill Prospect*



Approximately 1 million tonnes of mid-high grade manganese ore is understood to have been produced to date from the Horseshoe South Manganese mine.

During the due diligence period of the Option Agreements the Company undertook a preliminary evaluation of the tenements, which included:

- desktop study of historical published and unpublished technical reports;
- reconnaissance mapping and sampling on parts of the tenements;
- sampling of stockpiles at the Horseshoe South Manganese Mine, and
- ore sorting testwork of stockpile material.

One coarse and several fines stockpiles remain on site within M52/806 (see Figure 6). The coarse stockpile has been reported to be 65,000m<sup>3</sup> in volume and the fines stockpiles are reported as approximately 150,000m<sup>3</sup> in total volume. The fines stockpiles are reported to consist of the <25mm undersize material from the 1940-60's mining operations. Historical sampling of the fines stockpiles has identified the potential to produce an upgraded product by screening of the material<sup>1</sup>.

A total of 4 samples of stockpile material have been assayed by the Company to date (BRYRK079-082). The location of the stockpiles and sample sites is shown in Figure 6.

- BRYRK079 (19.5% Mn) was a 4.3kg representative sample of coarse stockpile material,
- BRYRK080 (30.9% Mn) was a 6.1kg hand-picked sample of mangiferous material;
- BRYRK081 (2.2% Mn) was a 3.7kg hand-picked sample of waste material, and
- BRYRK082 (19.1% Mn) was a 3.4 kg sample of fine stockpile material.

These results are generally of a similar manganese grade as reported in the historical testwork.

On the Horseshoe South Mining Lease, a total of 24 samples have been collected from outcropping manganese at various sites. These sites are shown in Figure 6 and included in Table 1.

At an area east of the mine 5 samples (BRYRK078, 196-199) recorded assays of between 21.8% and **48.8% Mn** (see Plate 6). 17 samples were also collected from sites around the Horseshoe South Extended Mine which was developed by MIN. Areas within and outside of the existing open pit have been sampled, recording assays up to **44.3% Mn** (BRYRK210) (see Figure 6).

On the adjoining Exploration Licence E52/1860, a total of 30 samples of outcropping and scree manganese were collected from several sites (see Figures 7 and 8 and Table 1).

The best assay results recorded were **42.7% Mn** from in-situ manganese in two locations (BRYRK267 and BRYRK273) north and south of the Horseshoe Range (see Figure 7).

---

<sup>1</sup> Technical Report - Sampling and Testing of the Horseshoe South Manganese Stockpiles for Tuart Resources Limited, October 2001. Brian Davis.



Pleasingly samples recorded grades exceeding 30% Mn in many locations along the Horseshoe Range and confirm the overall prospectivity of the Exploration Licence.

An area north of the Horseshoe North mine was identified as holding good exploration potential as exposures of manganese were identified and sampled over several hundred metres down slope from the top of the Horseshoe Range ridgeline (see Figure 8).

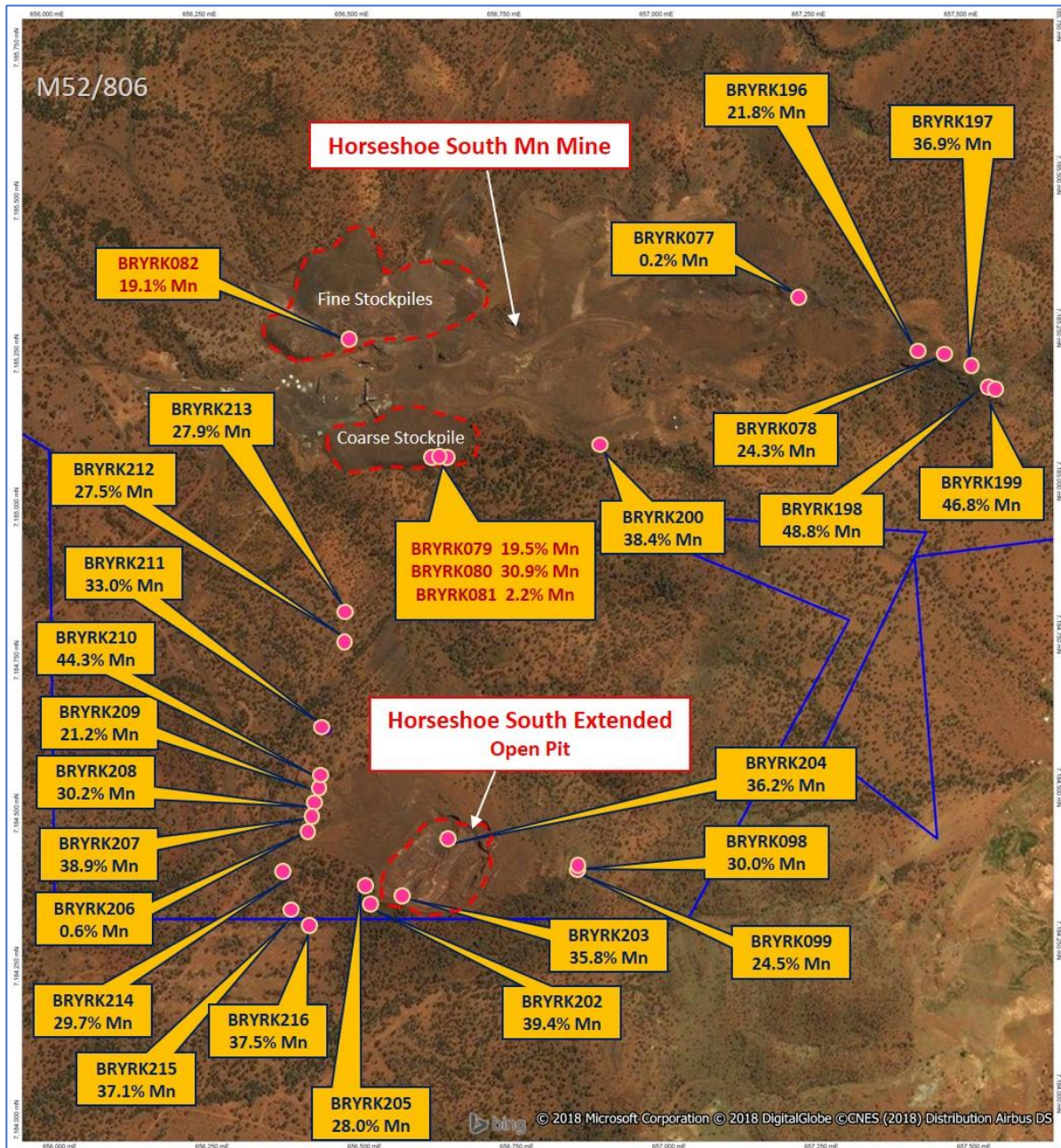


Figure 6 – Satellite imagery showing the Horseshoe South Mine, sample locations and results



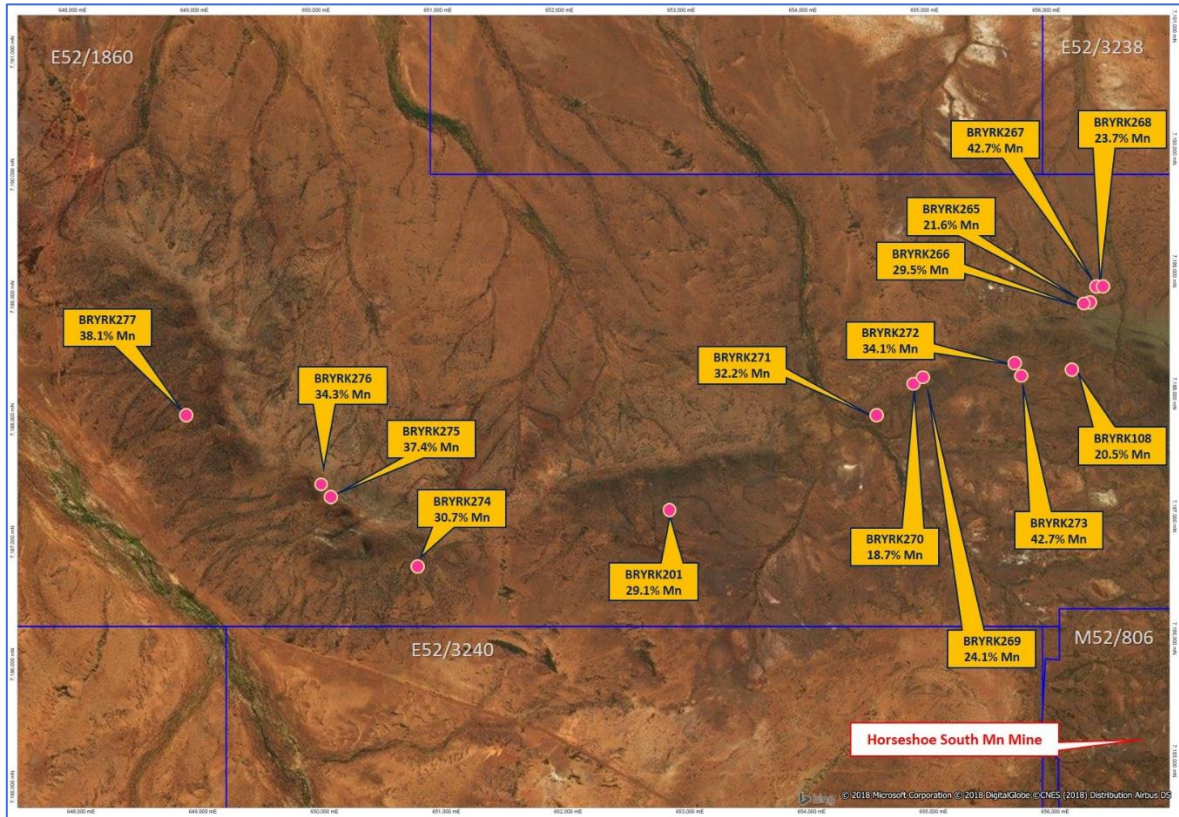


Figure 7 – Satellite imagery showing Horseshoe Range within E52/1860, sample locations and results.



Plate 6 – Geologist Iain Ross examining high grade Manganese east of Horseshoe South Mine.



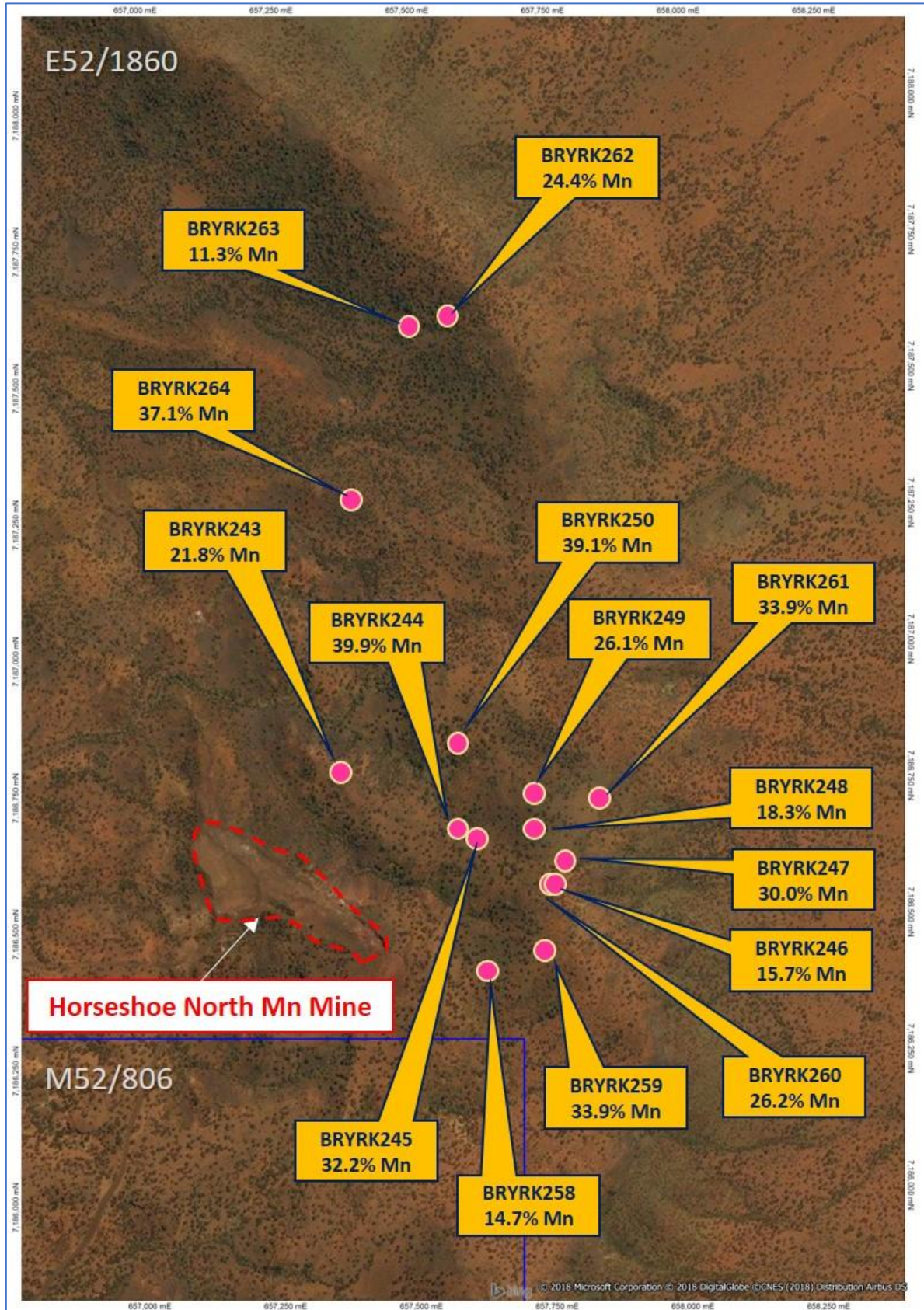


Figure 8 – Satellite imagery showing Horseshoe North Mine area, sample locations and results.



### Manganese Ore Sorting Testwork

During the quarter the Company has also been undertaking ore sorting testwork on additional samples collected from the coarse stockpile on M52/806. The Company has engaged a consultant who has extensive experience in modern ore sorting technology to supervise this testwork.

A preliminary test was undertaken by Steinert Australia with the aim being to determine the ability of Steinert's ore sorting system to distinguish between hand sorted manganiferous rocks and waste rocks from the coarse stockpile. The testwork provided positive results across a number of system settings and methods.

Accordingly, follow up testwork has been initiated by the Company. This testwork is ongoing at present and results will be reported as they become available.

### Geophysical Surveys

During the previous quarter the Company contracted UTS Geophysics Pty Ltd (Geotech) to complete an airborne Electromagnetic (EM) survey over the areas considered to be of highest prospectivity. The survey was undertaken to identify conductors which potentially could be Volcanogenic Massive Sulphide (VMS) Cu-Au deposits.

Geotech's VTEM™ Max geophysical survey system was utilised as it has high power and low noise and is therefore well suited for locating discrete conductive anomalies. It offers unparalleled depth of penetration and resolution for an airborne EM survey system and is a proven exploration tool for discovering large scale base metal deposits.

The final VTEM dataset was received from Geotech in May 2018 and a full geophysical interpretation of EM responses by Resource Potentials Pty Ltd commenced immediately thereafter and is on-going.

In June 2018 the Company commenced a ground-based Moving Loop Electromagnetic (MLEM) geophysical survey. The aim of the MLEM survey was to better define the depth and orientation of selected high priority anomalies detected by the VTEM geophysical survey ahead of drilling of these targets.

The MLEM survey initially targeted 3 areas named Jupiter, Mars 1 and Peak Hill 1 (see Figure 9) which were all successfully detected by the ground MLEM survey. As a consequence of the interpretation of the final VTEM survey data, another significant EM anomaly was identified south of the Mudderwearie Manganese mine, (Peak Hill 2) which has also been tested with a single MLEM traverse. A conductive response by the ground MLEM survey was also confirmed over the Peak Hill 2 anomaly.

In addition, two EM anomalies (Mars 2 and Mars 3), which occur in areas that coincide with VMS pathfinder minerals identified in recently collected surface samples, were added to the MLEM programme and successfully completed early in July 2018.



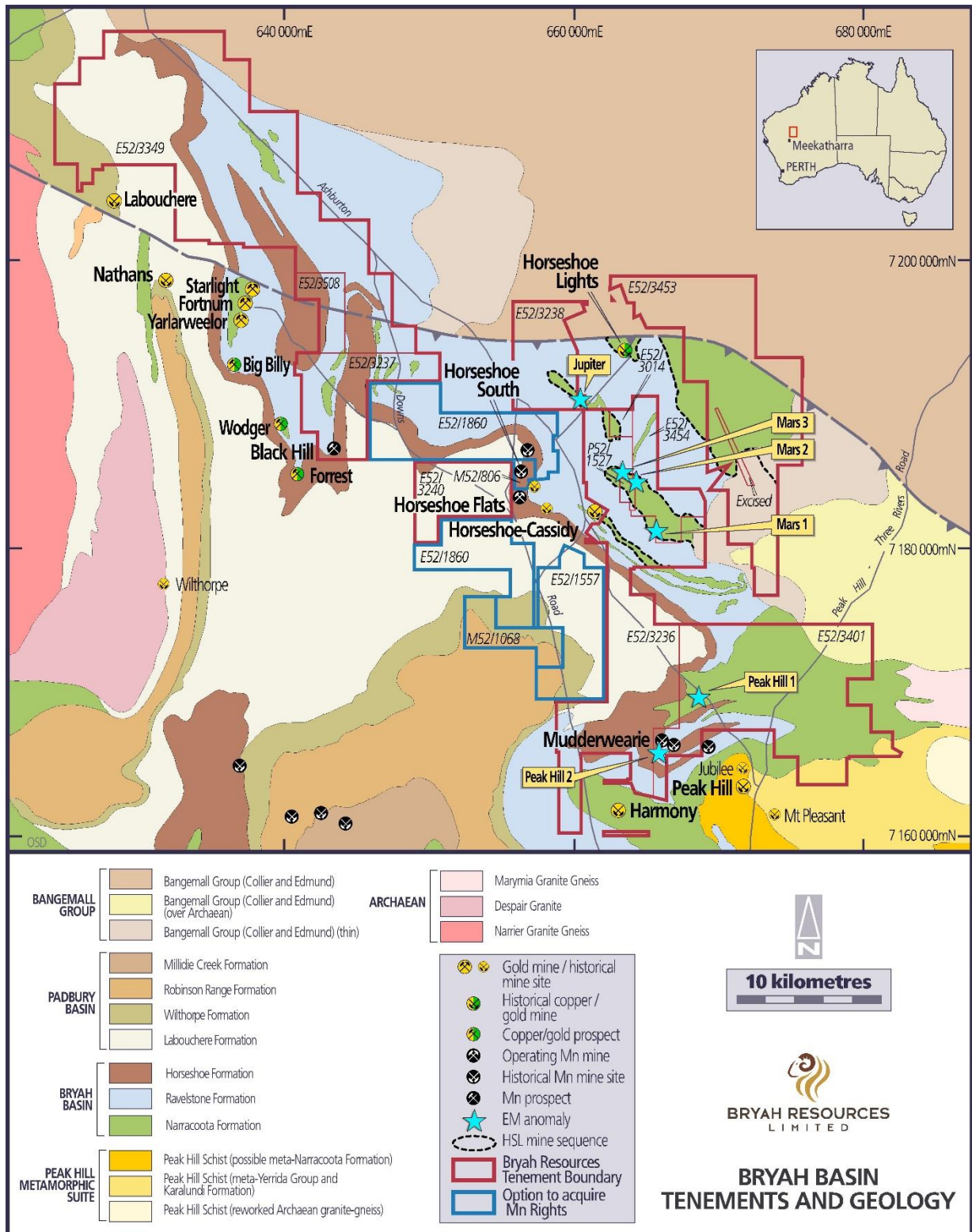


Figure 9– Bryah Basin Tenements and Regional Geology Map showing EM anomalies covered by MLEM survey.



### Exploration Incentive Scheme Grant

Bryah was successful in its application in Round 17 of the Western Australian Government's Exploration Incentive Scheme (EIS) program for the 2018/19 Financial Year.

As a result, the Company will receive grant funding of up to \$150,000 from the Department of Mines, Industry Regulation and Safety (DMIRS) as a contribution towards direct drilling costs at its exciting Aquarius Copper-Gold Prospect.

Under the co-funded drilling programme, the Company will drill a total of 24 Reverse Circulation (RC) drill holes for a total of approximately 4,800 metres to test several high priority targets identified by the Company's recently completed VTEM and MLEM geophysical surveys, including the Jupiter, Mars 1, Mars 2 and Mars 3 anomalies shown in Figure 9.

### Permitting and Clearances

During the quarter, the Company received Programme of Works approval from DMIRS for the Company's planned drilling of the Jupiter and Mars EM anomalies, as well as a number of other areas.

The Company also received clearance to commence work in a number of areas following the completion of a heritage survey undertaken by the Traditional Owners from the nearby Yulga Jinna Community.

### Planned Manganese Exploration Activities – September Quarter

The following Manganese activities are being undertaken this quarter:

- Stockpile surveying, sampling, sizing and geochemical analysis;
- Ore Sorting testwork, and
- Heritage surveying to clear areas for drilling.

A programme of exploration including drilling of manganese targets is being planned and will commence once all permitting and site clearances have been obtained.

### Planned Copper-Gold Exploration Activities – September Quarter

RC drilling of the Company's copper-gold targets at the nearby Aquarius Project is due to commence shortly following a slight delay in mobilisation by the drilling contractor last week. The RC programme is planned to test the Jupiter and Mars Prospects where airborne and ground EM surveys have identified conductive anomalies.



## Gabanintha Project

The Gabanintha Project covers 202 km<sup>2</sup> of ground approximately 40 km south of Meekatharra in Western Australia (see Figure 10). Bryah holds the rights to all minerals except Vanadium/Uranium/Cobalt/Chromium/Titanium/Lithium/Tantalum/Manganese & Iron Ore (“Excluded Minerals”). Australian Vanadium Limited (ASX:AVL) (“AVL”) retains 100% rights in the Excluded Minerals on the Gabanintha Project.

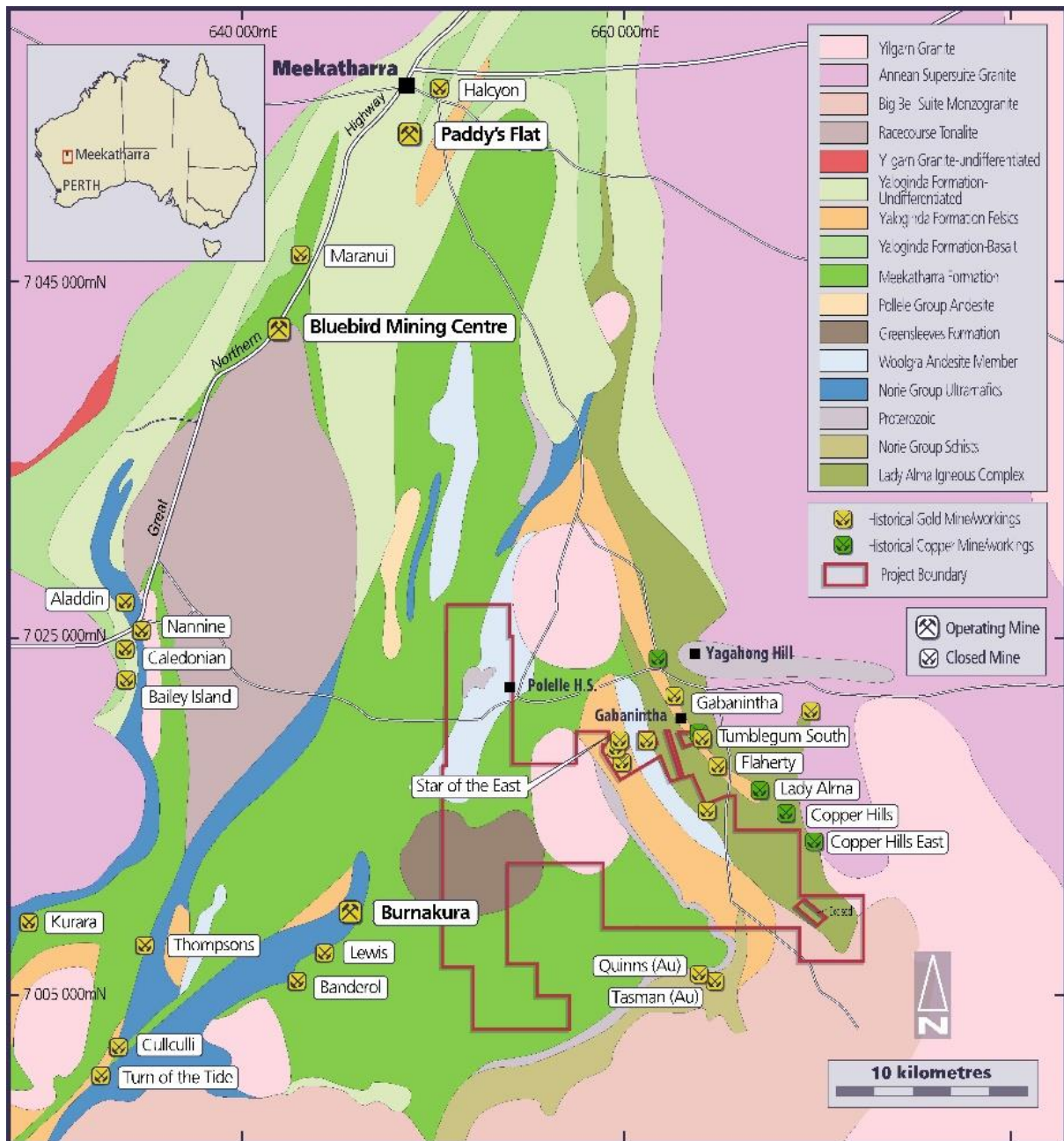


Figure 10 – Gabanintha Project Map



### RC Drilling

In December 2017 the Company completed its maiden Reverse Circulation (RC) drilling programme at the Tumblegum South Au-Cu Prospect. A total of 26 RC drill holes for 2,484 metres were completed in the 2017 drilling programme. Planning for a follow-up drilling programme was commenced during the quarter.

### Nickel-Copper Mineral Resource Estimate

In early July 2018 (see ASX Announcement dated 5 July 2018) AVL reported a maiden Nickel and Copper Mineral Resource estimate for the Gabanintha Vanadium deposit. An Inferred Mineral Resource of 12.5Mt containing, inter alia, 659ppm Nickel and 222ppm Copper was reported.

The base metal sulphide Mineral Resource is considered by AVL to be potentially economically recoverable following metallurgical test work.

AVL reported that the base metal sulphide mineralisation has consistently reported to the non-magnetic fraction during the separation of the vanadium bearing magnetite. This has effectively delivered a sulphide by-product for further concentration by flotation.

AVL is presently undertaking a Preliminary Feasibility Study on development of the Gabanintha Vanadium deposit.

### Planned Activities – September Quarter

The Company is aiming to achieve the following activities during the September quarter:

- completion of 3D modelling and planning of a follow-up RC programme.

## Corporate

### Cash Position

As at the 30 June 2018, the Company had \$2.5 million in cash and cash equivalents.

For Further Information, please contact

**Neil Marston Managing Director**

Tel: +61 9321 0001



## About Bryah Resources Limited

*In October 2017 Bryah Resources Limited raised \$5 Million and was admitted to the official list on the Australian Securities Exchange (ASX). The Company is a copper-gold-manganese focused explorer with 2 projects located in central Western Australia, being the 720 km<sup>2</sup> Bryah Basin Project and the 202km<sup>2</sup> Gabanintha Project.*

*The Bryah Basin is host to the high-grade copper-gold mines at DeGrussa, discovered by Sandfire Resources NL in 2009, and at Horseshoe Lights, which was mined up until 1994. The Bryah Basin also has several historical and current manganese mines.*

*Bryah Resources Limited's exploration strategy is:*

- *to apply the best and latest exploration methods to evaluate the ground;*
- *to use high resolution geophysics to identify deeper structures and potentially mineralised zones;*
- *to drill test targets below the depth of previous drilling, and*
- *to apply maximum funds on exploration activities.*

*At Gabanintha, Bryah holds the rights to all minerals except Vanadium/Uranium/Cobalt/Chromium/Titanium/Lithium/Tantalum/Manganese & Iron Ore (Excluded Minerals). Australian Vanadium Limited retains 100% rights in the Excluded Minerals on the Gabanintha Project.*

## Competent Persons Statement

*The information in this announcement that relates to Exploration Results is based on information compiled by Mr Rohan Williams, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Williams is an employee of Bryah Resources Limited ("the Company"). Rohan Williams 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 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Rohan Williams consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.*

## Forward Looking Statements

*This report may contain certain "forward-looking statements" which may not have been based solely on historical facts, but rather may be based on the Company's current expectations about future events and results. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. However, forward looking statements are subject to risks, uncertainties, assumptions and other factors which could cause actual results to differ materially from future results expressed, projected or implied by such forward-looking statements. Readers should not place undue reliance on forward looking information. The Company does not undertake any obligation to release publicly any revisions to any "forward looking statement" to reflect events or circumstances after the date of this report, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.*



<b>Tenement Information as Required by Listing Rule 5.3.3 For the Quarter Ended 30 June 2018</b>					
<b>Location</b>	<b>Project</b>	<b>Tenements</b>	<b>Economic Interest</b>	<b>Notes</b>	<b>Change in Quarter %</b>
<b>Western Australia</b>	<b>Bryah Basin</b>	P52/1627	100%		Nil
		E52/3014	100%		Nil
		E52/3236	100%		Nil
		E52/3237	100%		Nil
		E52/3238	100%		Nil
		E52/3240	100%		Nil
		E52/3349	100%		Nil
		E52/3401	100%		Nil
		E52/3453	100%		Nil
		E52/3454	100%		Nil
		E52/3508	100%		Nil
		M52/1068	Nil	Option Rights only <sup>2</sup>	100%
		E52/1557	Nil	Option Rights only <sup>2</sup>	100%
		E52/1860	Nil	Option Rights only <sup>2</sup>	100%
		M52/806	Nil	Option to Purchase only <sup>3</sup>	100%
		<b>Western Australia</b>	<b>Gabarintha</b>	E51/843	100% <sup>1</sup>
E51/1396	100% <sup>1</sup>				Nil
E51/1534	100% <sup>1</sup>				Nil
E51/1576	100% <sup>1</sup>				Nil
E51/1685	100% <sup>1</sup>				Nil
E51/1694	100% <sup>1</sup>				Nil
E51/1695	100% <sup>1</sup>				Nil
P51/2566	100% <sup>1</sup>				Nil
P51/2567	100% <sup>1</sup>				Nil
P51/2634	100% <sup>1</sup>				Nil
P51/2635	100% <sup>1</sup>				Nil
	P51/2636	100% <sup>1</sup>		Nil	
	MLA51/878	Nil	Application	Nil	

Note 1: Bryah Resources Limited holds the Mineral Rights for all minerals except V/U/Co/Cr/Ti/Li/Ta/Mn & iron ore only. Australian Vanadium Limited retains 100% rights in V/U/Co/Cr/Ti/Li/Ta/Mn & iron ore on the Gabarintha Project.

Note 2: Bryah Resources Limited holds a one-year Option to Purchase the rights to prospect, explore, mine and develop manganese ore ("Manganese Rights").

Note 3: Bryah Resources Limited holds a one-year Option to Purchase Mining Lease 52/806.



## Appendix 1 - Option Details

Key details of the exclusive Option Agreements are set out below:

### Option to acquire Mining Lease

Tenement:	M52/806.
Tenement Holder:	Peak Hill Manganese Pty Ltd.
Option Period:	12 months from Completion Date.
Completion Date:	23 July 2018
Option Fee:	\$100,000 cash (paid).
Exercise Fee:	\$300,000 payable as \$150,000 cash and \$150,000 in Bryah Ordinary Shares based on the 5 days VWAP prior to the date of Exercise.

### Option to acquire Manganese Rights

Tenements:	E52/1557, E52/1860 and M52/1068.
Tenement Holder:	Desert Resources Pty Ltd (wholly owned subsidiary of Austsino Resources Limited (ASX:ANS)).
Holder of Manganese Rights:	Peak Hill Manganese Pty Ltd.
Option Period:	12 months from Completion Date.
Completion Date:	1 June 2018.
Option Fee:	\$20,000 cash (paid).
Exercise Fee:	\$40,000 payable as \$20,000 cash and \$20,000 in Bryah Ordinary Shares based on the 5 days VWAP prior to the date of Exercise.



**Table 1 – Bryah Basin Project Manganese Samples - Laboratory Results**

<i>Sample ID</i>	<i>Northing mN</i>	<i>Easting mE</i>	<i>Mn %</i>	<i>Fe %</i>	<i>Al<sub>2</sub>O<sub>3</sub> %</i>	<i>SiO<sub>2</sub> %</i>	<i>P %</i>
BRYRK077	7185312	657224	0.21	58.86	1.52	1.14	0.43
BRYRK078	7185218	657457	24.28	31.78	4.75	2.49	0.19
BRYRK079	7185062	656632	19.45	27.47	8.4	9.21	0.20
BRYRK080	7185060	656630	30.86	19.65	7.61	4.62	0.23
BRYRK081	7185060	656630	2.21	34.69	10.38	24.44	0.17
BRYRK082	7185257	656481	19.09	29.92	6.69	9.9	0.16
BRYRK083	7166807	666663	39.37	13.02	4.8	4.8	0.01
BRYRK084	7166733	666732	29.56	17.31	9.65	9.65	0.14
BRYRK085	7166905	665681	<b>50.88</b>	<b>4.43</b>	<b>1.32</b>	<b>1.32</b>	<b>0.03</b>
BRYRK086	7166941	665701	<b>47.68</b>	<b>5.13</b>	<b>1.98</b>	<b>1.98</b>	<b>0.01</b>
BRYRK087	7186838	643351	34.94	18.61	3.64	3.64	0.16
BRYRK088	7186833	643354	6.91	46.53	5.4	5.4	0.58
BRYRK094	7186828	643369	10.58	39.43	11.94	11.94	0.12
BRYRK095	7186772	643392	18.88	38.48	2.74	2.74	0.58
BRYRK096	7186781	643393	29.38	25.46	2.14	2.14	0.14
BRYRK097	7186670	643417	<b>52.12</b>	<b>3.21</b>	<b>1.76</b>	<b>1.76</b>	<b>0.02</b>
BRYRK098	7184392	656841	29.97	23.21	5.99	4.22	0.26
BRYRK099	7184390	656840	24.50	34.39	3.84	1.18	0.16
BRYRK108	7188260	656139	20.52	38.08	2.09	3.21	0.17
BRYRK189	7166597	666585	23.57	12.61	7.51	28.26	0.13
BRYRK190	7166542	666526	35.65	12.25	7.48	7.54	0.16
BRYRK191	7166483	666410	33.55	17.06	7.56	3.5	0.16
BRYRK192	7166546	666380	39.71	7.48	9.26	6.86	0.09
BRYRK193	7166511	666523	37.33	9.77	7.86	9.26	0.09
BRYRK194	7165696	665407	37.23	10.20	8.79	7.93	0.07
BRYRK195	7165690	665408	31.32	14.88	8.94	10.08	0.08
BRYRK196	7185224	657416	21.78	35.94	2.4	4.08	0.32
BRYRK197	7185200	657498	36.89	13.56	7.22	5.33	0.14
BRYRK198	7185165	657522	<b>48.79</b>	<b>7.08</b>	<b>3.99</b>	<b>1.47</b>	<b>0.11</b>
BRYRK199	7185158	657529	<b>46.80</b>	<b>5.51</b>	<b>5.85</b>	<b>3.98</b>	<b>0.11</b>
BRYRK200	7185078	656891	38.37	17.04	4.04	1.33	0.05
BRYRK201	7187163	652806	29.07	26.14	2.99	3.46	0.26
BRYRK202	7184333	656505	39.44	13.72	5.24	3.16	0.18

**Table 1 (cont.) – Bryah Basin Project Manganese Samples - Laboratory Results**

<i>Sample ID</i>	<i>Northing mN</i>	<i>Easting mE</i>	<i>Mn %</i>	<i>Fe %</i>	<i>Al<sub>2</sub>O<sub>3</sub> %</i>	<i>SiO<sub>2</sub> %</i>	<i>P %</i>
BRYRK203	7184349	656554	35.75	15.00	7.23	4.72	0.13
BRYRK204	7184438	656634	36.25	18.07	5.8	4.12	0.06
BRYRK205	7184362	656500	28.01	28.32	3.71	3.61	0.18
BRYRK206	7184455	656404	0.63	51.02	4.73	8.55	0.54
BRYRK207	7184475	656408	38.94	10.38	7.13	6.05	0.21
BRYRK208	7184494	656414	30.21	20.76	6.05	4.74	0.20
BRYRK209	7184520	656419	21.22	36.50	2.71	2.65	0.26
BRYRK210	7184542	656423	<b>44.27</b>	<b>9.05</b>	<b>4.75</b>	<b>4.34</b>	<b>0.03</b>
BRYRK211	7184618	656437	33.04	23.55	2.78	1.37	0.30
BRYRK212	7184766	656468	27.48	16.94	9.72	11.65	0.08
BRYRK213	7184808	656471	27.97	27.45	4.58	3.25	0.17
BRYRK214	7184381	656367	29.65	22.02	6.5	3.73	0.25
BRYRK215	7184323	656380	37.14	7.99	10.56	7.93	0.08
BRYRK216	7184302	656405	37.53	9.67	8.32	7.96	0.09
BRYRK217	7166540	666374	<b>42.24</b>	<b>5.52</b>	<b>9.38</b>	<b>6.25</b>	<b>0.07</b>
BRYRK218	7166520	666449	<b>41.00</b>	<b>10.41</b>	<b>6.31</b>	<b>3.97</b>	<b>0.14</b>
BRYRK219	7166541	666504	31.44	13.90	10.56	7.84	0.10
BRYRK220	7166690	666756	<b>40.45</b>	<b>6.21</b>	<b>8.56</b>	<b>7.92</b>	<b>0.07</b>
BRYRK221	7166653	666900	36.89	8.52	8.55	8.7	0.13
BRYRK222	7166636	666960	36.39	13.03	5.39	7.46	0.17
BRYRK223	7166693	667050	31.95	17.57	7.48	6.65	0.23
BRYRK224	7166668	667106	27.66	26.36	4.97	5.08	0.12
BRYRK226	7193840	645341	32.63	18.56	3.15	7.59	0.36
BRYRK227	7192840	645319	31.32	12.74	6.58	15.38	0.20
BRYRK228	7192843	645278	30.06	7.73	7.99	24.91	0.02
BRYRK229	7192970	644512	<b>41.63</b>	<b>13.50</b>	<b>3.16</b>	<b>3.21</b>	<b>0.03</b>
BRYRK230	7193000	644546	<b>48.49</b>	<b>8.20</b>	<b>2.35</b>	<b>2.34</b>	<b>0.05</b>
BRYRK231	7193010	644540	<b>49.11</b>	<b>8.11</b>	<b>2.45</b>	<b>1.09</b>	<b>0.04</b>
BRYRK232	7192945	644585	<b>44.13</b>	<b>14.74</b>	<b>1.05</b>	<b>1.13</b>	<b>0.06</b>
BRYRK237	7165760	667953	38.35	13.91	5.27	3.87	0.20
BRYRK238	7165727	667910	21.51	29.55	5.2	6.47	0.43
BRYRK239	7165712	667893	19.89	32.20	5.73	4.33	0.48
BRYRK243	7186781	657357	21.84	36.10	4.19	3.07	0.14
BRYRK244	7186670	657573	39.88	9.32	3.15	13.06	0.14



**Table 1 (cont.) – Bryah Basin Project Manganese Samples - Laboratory Results**

<i>Sample ID</i>	<i>Northing mN</i>	<i>Easting mE</i>	<i>Mn %</i>	<i>Fe %</i>	<i>Al<sub>2</sub>O<sub>3</sub> %</i>	<i>SiO<sub>2</sub> %</i>	<i>P %</i>
BRYRK245	7186659	657598	32.24	25.62	3.03	1.46	0.26
BRYRK246	7186577	657745	15.67	43.02	3.6	2.72	0.34
BRYRK247	7186607	657766	29.99	29.74	3.03	1.24	0.16
BRYRK248	7186674	657705	18.28	39.57	3.46	4.14	0.24
BRYRK249	7186738	657711	26.13	26.75	6.64	5.55	0.07
BRYRK250	7186839	657579	39.06	13.02	5.3	5.55	0.17
BRYRK251	662677	7179477	32.41	20.67	4.81	4.22	0.18
BRYRK252	662549	7179581	20.13	33.71	5.6	2.7	0.47
BRYRK253	663430	7179039	32.68	18.65	5.86	5.02	0.09
BRYRK254	663510	7178977	26.28	28.17	4.2	4.03	0.25
BRYRK255	663668	7178846	25.36	28.60	4.08	3.67	0.34
BRYRK256	667408	7167372	<b>46.03</b>	<b>9.45</b>	<b>2.92</b>	<b>3.8</b>	<b>0.03</b>
BRYRK257	667288	7165878	12.53	24.19	6.88	28.29	0.39
BRYRK258	7186409	657610	14.68	48.79	1.68	1.4	0.12
BRYRK259	7186443	657719	33.85	25.72	1.69	1.18	0.16
BRYRK260	7186578	657749	26.18	29.74	4.52	3.48	0.33
BRYRK261	7186729	657824	33.88	25.44	2.21	0.83	0.28
BRYRK262	7187611	657554	24.36	33.80	3.27	2.88	0.22
BRYRK263	7187589	657495	11.28	46.02	0.82	13.16	0.06
BRYRK264	7187279	657378	37.14	15.10	8.45	0.55	0.11
BRYRK265	7188800	656247	21.58	15.06	3.25	36.01	0.07
BRYRK266	7188794	656234	29.49	10.94	4.76	25.94	0.13
BRYRK267	7188948	656312	<b>42.73</b>	<b>9.93</b>	<b>5.49</b>	<b>4.89</b>	<b>0.12</b>
BRYRK268	7188942	656364	23.69	16.01	7.32	23.61	0.03
BRYRK269	7188185	654893	24.09	32.14	4.58	2.02	0.19
BRYRK270	7188164	654829	18.67	42.76	2.42	1.57	0.13
BRYRK271	7187892	654541	32.15	22.84	4.1	3.72	0.24
BRYRK272	7188292	655677	34.09	19.98	3.31	4.92	0.17
BRYRK273	7188230	655693	<b>42.72</b>	<b>4.01</b>	<b>9.75</b>	<b>7.76</b>	<b>0.06</b>
BRYRK274	7186725	650739	30.70	17.28	9.66	4.55	0.28
BRYRK275	7187289	650012	37.36	12.53	7.86	5.4	0.08
BRYRK276	7187378	649962	34.26	21.45	4.71	3.25	0.06
BRYRK277	7187954	648863	38.17	13.30	7.4	4.35	0.07