8 July 2019



# QUARTERLY ACTIVITIES REPORT FOR THE PERIOD ENDING 30 JUNE 2019

Landmark \$7.3 Million Manganese Farm-in and Joint Venture Agreement with OM Holdings Limited (ASX: OMH) drives exploration activities for manganese in the Bryah Basin

## HIGHLIGHTS:

- Bryah Resources Limited secured a strategic agreement to establish a Joint Venture in the Bryah Basin in central Western Australia with OM (Manganese) Ltd (OMM), a wholly owned subsidiary of **OM Holdings Limited (ASX:OMH).** In total OMM will need to fund:
  - A\$3.0 million for a 51% JV interest
  - > A\$4.8 million for a 60% JV interest, and
  - A\$7.3 million for a 70% JV interest.
- The JV applies to Manganese Mineral Rights only, with Bryah retaining all other minerals.
- Manganese **exploration drilling completed** with 3,062 metres in phase 1 (May 2019) and 2,087 metres in phase 2 (June 2019), all fully funded by OMM.
- Results of phase 1 drilling announced with **significant manganese mineralisation intersected from surface** at the recently discovered Brumby Creek Prospect<sup>1</sup>.
- Best intervals at **Brumby Creek** (using a 18% Mn cut-off grade) include:
  - BBRC034 15 metres (3-18m) @ 26.2% Mn
  - BBRC006 5 metres (0-5m) @ 23.2% Mn and 10 metres (9-19m) @ 25.5% Mn
  - BBRC023 4 metres (5-9m) @ 20.2% Mn and 16 metres (12-28m) @ 20.4% Mn
  - BBRC035 10 metres (1-11m) @ 22.6% Mn
  - Best intervals at Horseshoe South mine (using a 18% cut-off grade) include:
    - HERC015 12 metres (7-19m) @ 24.9% Mn
    - HERC019 5 metres (4-9m) @ 28.8% Mn
    - HERC028 3 metres (6-9m) @ 27.8% Mn
    - HERC020 6 metres (9-15m) @ 24.6% Mn
- Bryah exercised its option to purchase the historic Horseshoe South Manganese Mine and Manganese Rights<sup>2</sup> over adjacent tenements covering 154 km<sup>2</sup>
- Cash at Bank at 30 June 2019 was \$569,000, an increase of \$112,000 to the balance at 31 March 2019. All manganese exploration expenses have been funded by OMM during the quarter.

#### Address

Level 1, 85 Havelock Street West Perth WA 6005 Tel: +61 8 9321 0001 Email: info@bryah.com.au ASX Code: BYH ABN: 59 616 795 245 Shares on issue: 63,790,505 Latest Share Price: \$0.083 Market Capitalisation: \$5.29M Projects

Bryah Basin – Copper, Gold, Manganese Gabanintha – Gold, Copper *bryah.com.au* 

<sup>&</sup>lt;sup>1</sup> Refer ASX Release 4 July 2019 for full details

<sup>&</sup>lt;sup>2</sup> Refer ASX Release 29 April 2019 for full details



This report summarises the exploration and corporate activities of Bryah Resources Limited ("Bryah" or "the Company") during the quarter ended 30 Jun 2019.

# Management Comments

Commenting on the quarterly activities of the Company, Managing Director Neil Marston said,

"The June 2019 quarter has been a very active and successful period for the Company. Signing our agreement with manganese specialists OM Holdings Limited was a landmark event with the deal potentially bringing \$0.5 million in cash to the Company and access to \$6.8 million for exploration and development activities, all funded by OMM. We have very quickly put those funds to work with over 5,000 metres of drilling completed in a 2-month period testing several previously untested prospects. First phase drilling results were released last week and confirmed the discovery of a new manganese deposit at the Brumby Creek Prospect and encouraging results elsewhere. Phase 2 drilling has seen increases in manganese mineralisation intersected from that identified in the first phase and successfully tested new prospects. We look forward to releasing phase 2 drilling results as assay information comes in over the next few weeks.

We believe the Bryah Basin has the potential to host several significant manganese deposits. This view has been bolstered with the discovery of the Cheval Prospect during the quarter. Manganese outcrops at the Cheval Prospect have been mapped for approximately 500 metres in length, 5 kilometres northwest of the Company's recently acquired historic Horseshoe South Manganese mine. Bryah is progressing permitting activities to enable drilling at Cheval as soon as possible.

Bryah's manganese strategy is to prove up sufficient manganese resources to commence mining operations in the near term. Should we achieve this aim, we believe access to the manganese mining, smelting and marketing expertise that OM Holdings possess will be invaluable in de-risking the project and achieving a successful business outcome for both parties."

# **Exploration Activities**

### **Bryah Basin Project**

The Bryah Basin project covers approximately 880 km<sup>2</sup> in central Western Australia. The project is located close to several 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 which is hosted in similar aged volcanic and sedimentary rocks as at the DeGrussa Cu-Au mine. The Bryah Basin, predominantly within the Horseshoe Formation, also has several historical and current manganese mines including the recently acquired Horseshoe South Manganese mine.



### <u>Manganese Drilling</u>

A total of 122 holes for 3,062 metres of reverse circulation drilling was completed in May 2019 at four sites; the historic Horseshoe South Manganese mine, the Brumby Creek and Devils Hill Prospects and a nearby prospect named Black Cat (see Figure 1). Best results from the drilling are set out in Table 1 below.

Table 1 – Best Drill Results									
Hole No	Manganese Intersection (using 18% Mn cut-off grade)								
Brumby Creek									
BBRC034	15 metres (3-18m) @ 26.2% Mn, including 2 metres (7-9m) @ 31.9% Mn and								
	2 metres (14-16m) @ 33.5% Mn								
BBRC006	5 metres (0-5m) @ 23.2% Mn and 10 metres (9-19m) @ 25.5% Mn, including								
	2 metres (9-11m) @ <b>31.3% Mn</b>								
BBRC016	16 metres (14-30m) @ 21.2% Mn, including 2 metres (16-18m) @ 30.8% Mn								
BBRC035	10 metres (1-11m) @ 22.6% Mn, including 2 metres (9-11m) @ 30.3% Mn								
BBRC033	8 metres (16-24m) @ 24.1% Mn, including 2 metres (20-22m) @ 31.0% Mn								
BBRC004	3 metres (0-3m) @ 23.3% Mn and 3 metres (10-13m) @ 25.9% Mn								
BBRC005	3 metres (0-3m) @ 27.0% Mn								
BBRC018	2 metres (1-3m) @ 27.8% Mn and 7 metres (9-16m) @ 23.8% Mn								
BBRC023	4 metres (5-9m) @ 20.2% Mn and 16 metres (12-28m) @ 20.4% Mn								
BBRC032	8 metres (10-18m) @ 21.3% Mn								
Horseshoe S	outh								
HERC015	12 metres (7-19m) @ 24.9% Mn, including 2 metres (16-18m) @ 31.4% Mn								
HERC019	5 metres (4-9m) @ 28.8% Mn, including 1 metre (4-5m) @ 42.2% Mn								
HERC028	3 metres (6-9m) @ 27.8% Mn, including 1 metre (7-8m) @ 35.7% Mn								
HERC020	6 metres (9-15m) @ 24.6% Mn								
HERC023	4 metres (9-13m) @ 24.3% Mn, including 1 metre (8-9m) @ 33.5% Mn and								
	2 metres (31-33m) @ 21.5% Mn								
HERC021	6 metres (10-16m) @ 20.3% Mn								
Devils Hill									
DHRC004	6 metres (2-8m) @ 21.1% Mn								
DHRC012	7 metres (3-10m) @ 20.1% Mn								
DHRC026	7 metres (0-7m) @ 21.1% Mn								
DHRC028	7 metres (4-11m) @ 21.7% Mn								

Tables 2 - 5 contain assay results received to date for all the drill holes completed in this programme. An additional +200 samples collected from Brumby Creek (including holes BBRC017 and BBRC020) and Horseshoe South are yet to be assayed.



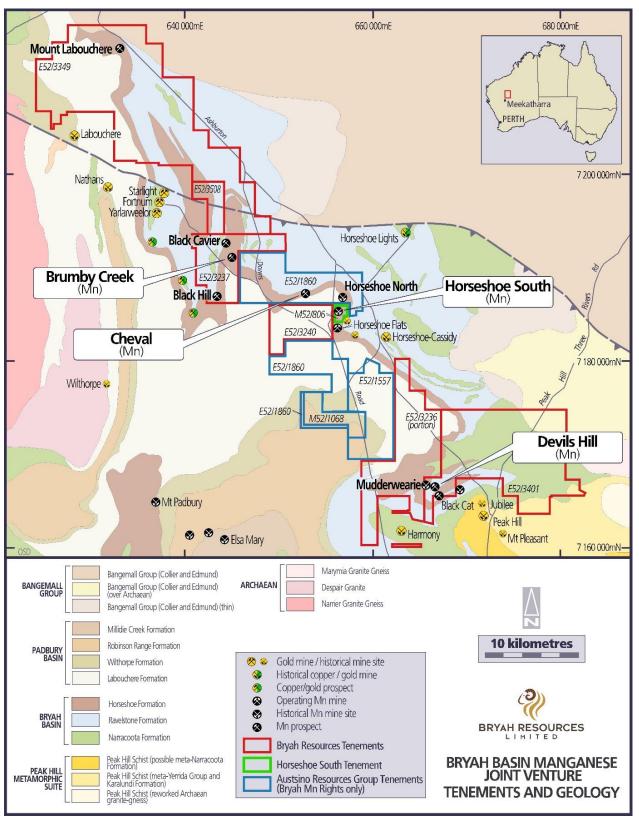


Figure 1 – Bryah Basin Manganese JV Tenements and Geology Map



### Brumby Creek

The Brumby Creek Prospect was identified during ground reconnaissance and rock chip sampling in 2018 and has not been drilled by previous explorers. A total of 35 holes were drilled for 1,092 metres in the first phase as shown in Figure 2 below. Drilling targeted areas of outcropping manganese with the focus being on the eastern side of an interpreted syncline.

Two drill sections through the central portion of the eastern area drilled are shown in Figures 3 and 4 below. A western area of outcropping manganese was drill tested with 4 holes (BBRC032-35) as shown in Figure 2 and recorded multiple intervals exceeding 30% Mn within broader mineralized zones.

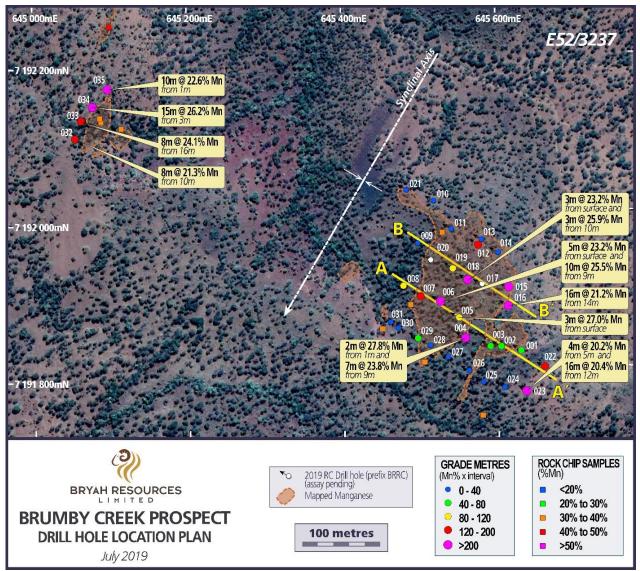


Figure 2 – Drill hole Location Plan – Brumby Creek.



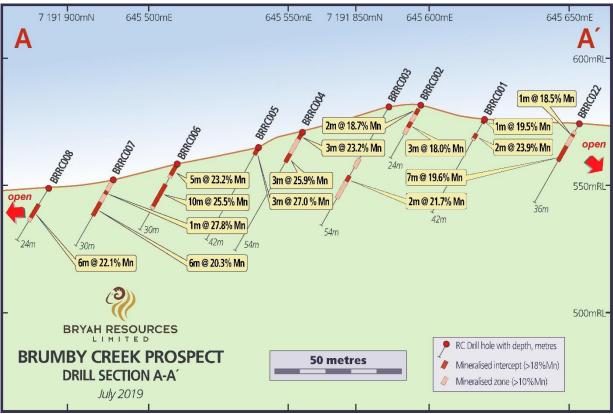


Figure 3 – Drill hole Section AA' – Brumby Creek.

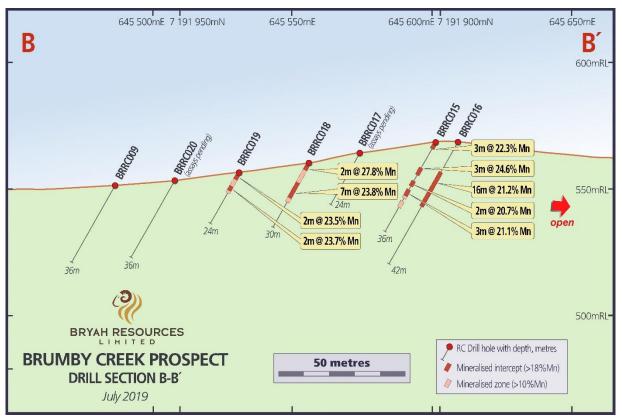


Figure 4 - Drill hole Section BB' – Brumby Creek.



#### Horseshoe South Manganese Mine

Horseshoe South is the largest historic manganese mine in the region, having produced approximately 1 million tonnes of high-grade manganese ore from 1948-1969 and 2008-2011.

A total of 32 holes were drilled for 1,124 metres in the first phase as shown in Figure 5 below. Drilling targets included extensions of manganese drilling completed in 2011 on the neighbouring tenement to the south of M52/806 which recorded an Indicated Mineral Resource of 437,000 tonnes @ 19.6% Mn (see Figure 5).

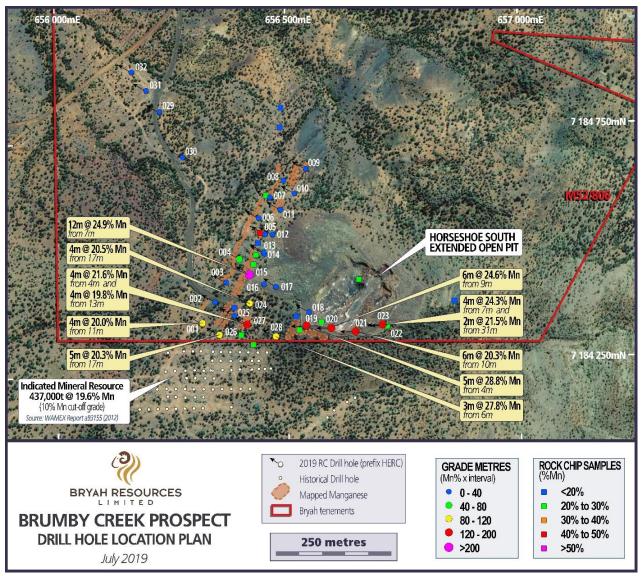


Figure 5 – Drill hole Location Plan – Horseshoe South.



### <u>Devils Hill</u>

The Devils Hill Prospect was identified during ground reconnaissance and rock chip sampling in 2018. A total of 48 holes were drilled for 720 metres in the first phase as shown in Figure 6 below. At the nearby Black Cat Prospect, 7 holes for 126 metres were drilled with no significant results recorded.

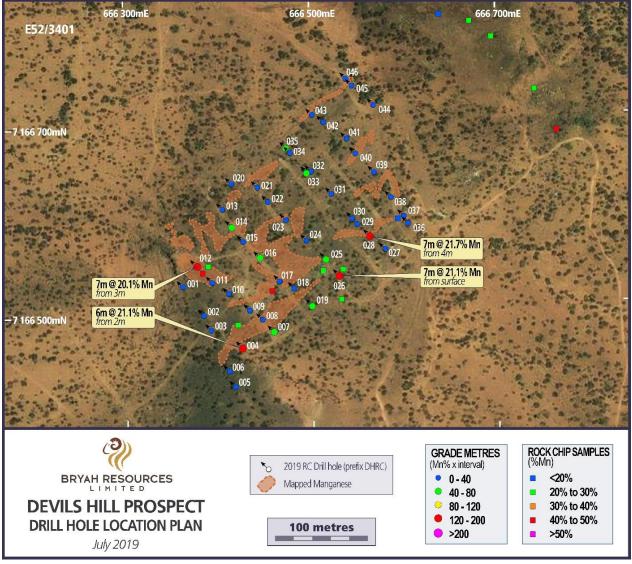


Figure 6 – Drill hole Location Plan – Devils Hill.

The second phase drilling programme of 2,087 metres funded by OMM was completed on 3 July 2019. This drilling has tested for extensions to mineralisation intersected in the first phase and further targets at Brumby Creek and Horseshoe South, as well as exploration drilling at the Black Caviar and Black Hill Prospects. Assay results from this second drilling programme will be reported once they become available.



### Cheval Prospect

Recent ground reconnaissance and mapping by Bryah has identified an area of outcropping manganese in the Horseshoe Range at the Cheval Prospect, approximately 5 kilometres northwest of the Company's historic Horseshoe South Manganese mine (see Figure 1).

Manganese outcrops at the Cheval Prospect have been mapped for approximately 500 metres in length, with 35 rock chip samples collected for multi-element analysis (see Figure 7).

Laboratory results from these rock chip samples show that 15 samples recorded grades in the range 20% - 30% Mn and 15 samples recorded grades of >30% Mn, including a high of **41.3% Mn** (see Table 6)<sup>3</sup>.

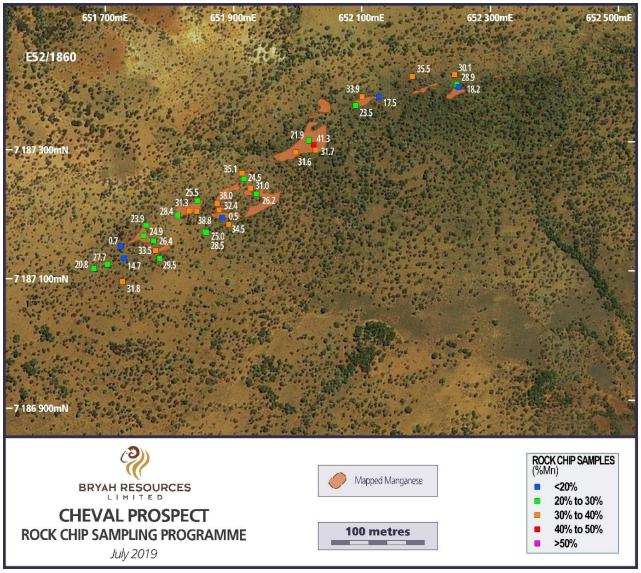


Figure 7 – Satellite imagery showing Cheval Prospect, sample locations and results

<sup>3</sup> Refer ASX Release 5 July 2019 for full details



The new Cheval Prospect is untested by drilling and will require a heritage survey and Department of Mines Industry Regulation and Safety programme of works approval ahead of any drill testing. These permitting activities will be progressed by Bryah as soon as possible.

### **Copper-Gold Exploration**

During the quarter, the Company undertook limited exploration of its copper-gold target areas.

Follow-up Mobile Metal Ion (MMI) sampling was completed over a number of prospects. Assay results have been received and are in the process of being evaluated.

### Gabanintha Project

The Gabanintha Project covers 200 km<sup>2</sup> of ground approximately 40 km south of Meekatharra in Western Australia.

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) retains 100% rights in the Excluded Minerals on the Gabanintha Project.

No field work was undertaken by Bryah during the quarter.

## **Corporate Activities**

### Bryah Basin Manganese Farm-In and Joint Venture Agreement

On 23 April 2019 Bryah announced the execution of a Manganese Farm-In and Joint Venture Agreement (Agreement) with OM (Manganese) Limited, a wholly owned subsidiary of ASX-listed OM Holdings Limited (ASX:OMH).<sup>4</sup>

The Agreement applies to approximately 660km<sup>2</sup> of the Company's Bryah Basin Project in central Western Australia, including the historic Horseshoe South Manganese Mine (see Figure 8).

Under the Agreement, the Company received from OMM a Signing Fee of \$250,000. OMM have also provided Bryah with \$500,000 to fund manganese exploration activities managed by Bryah.

A second \$250,000 payment to Bryah will be made by OMM in August 2019 should OMM wish to proceed with further exploration.

OMM will then progressively provide \$2 million to fund the next stage of manganese exploration managed by Bryah for OMM to earn a 51% Joint Venture Interest.

Bryah may elect for OMM to fund the next \$1.8 million of project expenditure for OMM to earn a 60% Joint Venture Interest.

Thereafter Bryah may elect for OMM to fund an additional \$2.5 million of project expenditure for OMM to earn a 70% Joint Venture Interest.

<sup>&</sup>lt;sup>4</sup> Refer Appendix 1 for Key Terms of Farm-In and Joint Venture Agreement



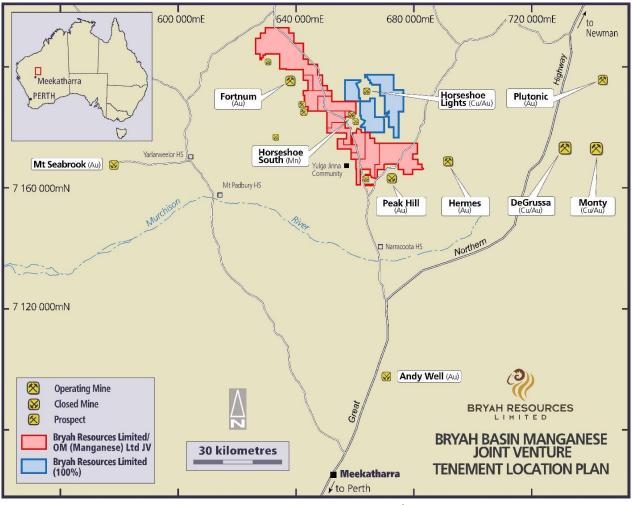


Figure 8 – Tenement Location Plan

## Purchase of Horseshoe South Mine and Manganese Rights

On 29 April 2019 the Company announced it had completed the purchase of 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 further 154km<sup>2</sup> of adjacent ground.

The Manganese Rights apply to tenements owned by Austsino Resources Group Limited (ASX:ANS) (see Figure 1). These tenements are also subject to the Agreement between Bryah and OMM.

The total purchase consideration was \$340,000, being a cash payment of \$170,000 and the issue of ordinary shares to the value of \$170,000. A total of 2,615,385 new shares were issued to the vendor, Peak Hill Manganese Pty Limited, at \$0.065 per share as determined under the Option Agreements.



## **Cash Position**

As at the 30 June 2019, the Company had \$569,000 (31 March 2019: \$457,000) in cash.

During the quarter, pursuant to the Agreement, OMM paid Bryah a Signing Fee of \$250,000 and \$500,000 for manganese exploration activities.

For Further Information, please contact Neil Marston Managing Director Tel: +61 9321 0001



# Drilling Results – Brumby Creek (using a cut-off grade of 18% Mn)

Hole ID	Easting mE	Northing mN	RL(m)	Azimuth & Dip (planned)	Total Depth	Depth From (m)	Depth To (m)	Interval Width (m)	Mn %	Fe %
BRRC001	645620.5	7191828.9	575.9	290 <sup>0</sup> /-60 <sup>0</sup>	42	6	8	2	23.9	22.9
BRRC002	645594.6	7191833.7	581.6	290°/-60°	24	1	3	2	18.7	21.2
						7	10	3	18.0	19.8
BRRC003	645580.9	7191834.2	581.0	290°/-60°	54	31	33	2	21.7	18.5
BRRC004	645548.2	7191845.5	545.0	290°/-60°	54	0	3	3	23.2	15.8
						10	13	3	25.9	15.0
BRRC005	645541.1	7191870.5	565.0	290°/-60°	42	0	3	3	27.0	12.6
BRRC006	645516.0	7191892.7	558.5	290°/-60°	30	0	5	5	23.2	13.2
						9	19	10	25.5	13.6
5556007	C 45 400 C	7404000 4		2000/ 000	20	5	6	1	27.8	10.0
BRRC007	645490.6	7191898.4	552.3	290°/-60°	30	10	16	6	20.3	9.9
BRRC008	645468.7	7191911.8	548.9	290 <sup>0</sup> /-60 <sup>0</sup>	24	7	13	6	22.1	7.8
BRRC009	645488.3	7191965.7	551.4	290 <sup>0</sup> /-60 <sup>0</sup>	36					
BRRC010	645508.9	7192019.5	544.4	290 <sup>0</sup> /-60 <sup>0</sup>	36		No S	ignificant Re	sults	
BRRC011	645532.1	7191984.0	553.8	290 <sup>0</sup> /-60 <sup>0</sup>	24					
BRRC012	645566.0	7191964.0	560.0	290°/-60°	30	0	3	3	24.6	18.1
						7	11	4	19.5	22.5
BRRC013	645571.1	7191969.8	555.6	290°/-60°	24	12	14	2	24.5	27.7
BRRC014	645591.8	7191953.7	560.8	290°/-60°	24		No S	ignificant Re	sults	
BRRC015	645605.8	605.8 7191908.8	569.1 290°/-60°	42	0	3	3	22.3	23.1	
						12	15	3	24.6	20.5
						18	20	2	20.7	22.0
					22	25	3	21.1	22.7	
BRRC016	645603.8	7191886.1	570.4	290°/-60°	36	14	30	16	21.2	22.7
BRRC017	645572.0	7191911.2	564.6	290°/-60°	24	Assays Pending				
BRRC018	645552.7	7191918.6	560.3	290°/-60°	30	1 3 2 27.8			19.6	
				-		9	16	7	23.8	12.7
BRRC019	645527.6	7191932.3	556.7	290°/-60°	24	1	3	2	23.5	17.5
						6	8	2	23.7	16.7
BRRC020	645504.6	7191944.7	553.4	290°/-60°	36		As	says Pendir	ng	
BRRC021	645474.0	7192034.4	549.3	290°/-60°	24	13	14	1	18.7	20.9
BRRC022	645651.3	7191806.7	574.4	290°/-60°	36	10	17	7	19.6	22.1
BRRC023	645628.0	7191777.4	579.9	290°/-60°	42	5	9	4	20.2	22.6
						12	28	16	20.4	22.6
BRRC024	645599.0	7191781.4	577.1	290º/-60º	30	5	7	2	22.1	22.8
BRRC025	645571.0	7191789.0	571.7	290°/-60°	30		1	1		
BRRC026	645553.9	7191803.0	571.0	290°/-60°	12	1	No S	ignificant Re	sults	
BRRC027	645525.8	7191821.6	565.2	290°/-60°	36					
BRRC028	645502.7	7191836.3	557.6	290°/-60°	42	1	2	1	21.0	22.4
BRRC029	645486.9	7191845.4	553.4	290°/-60°	24	0	3	3	22.0	13.3
BRRC030	645462.6	7191858.5	551.9	290°/-60°	12					•
BRRC031	645451.2	7191866.4	549.7	290°/-60°	24	1	No S	ignificant Re	sults	
BRRC032	645044.7	7192102.3	556.6	115°/-60°	36	10	18	8	21.3	22.9
BRRC033	645053.1	7192125.5	557.2	115°/-60°	30	16	24	8	24.1	19.3
BRRC034	645067.9	7192143.6	557.6	115°/-60°	30	3	18	15	26.2	19.8
BRRC035	645087.7	7192165.4	557.4	115°/-60°	18	1	11	10	22.6	18.6
				TOTAL	1,092		1			



# Drilling Results – Horseshoe South (using a cut-off grade of 18% Mn)

Hole ID	Easting mE	Northing mN	RL(m)	Azimuth & Dip (planned)	Total Depth (m)	Depth From (m)	Depth To (m)	Interval Width (m)	Mn %	Fe %	
HERC001	656296.1	7184348.0	576.0	300 <sup>0</sup> /-60 <sup>0</sup>	30	11	15	4	20.0	30.9	
HERC002	656326.1	7184393.0	581.1	300º/-60º	30		N - 6	:: (: + D			
HERC003	656348.5	7184434.0	581.1	300 <sup>0</sup> /-60 <sup>0</sup>	30		NO S	ignificant Re	suits		
HERC004	656377.5	7184486.0	578.3	300º/-60º	30	11	14	3	23.1	26.3	
HERC005	656433.4	7184537.0	532.5	300º/-60º	48						
HERC006	656421.8	7184572.0	567.7	300°/-60°	18						
HERC007	656444.1	7184616.0	582.6	300°/-60°	54						
HERC008	656475.0	7184652.0	585.4	300º/-60º	18						
HERC009	656521.7	7184676.0	584.1	300°/-60°	15		No S	ignificant Re	sults		
HERC010	656499.2	7184625.0	592.3	300°/-60°	54						
HERC011	656467.2	7184590.0	592.3	300º/-60º	54						
HERC012	656449.5	7184537.0	594.5	300°/-60°	54						
HERC013	656432.7	7184496.5	590.1	300°/-60°	6						
HERC014	656430.1	7184498.6	591.6	300°/-60°	48	16	17	1	21.4	24.4	
HERC015	656400.4	7184451.7	587.2	300°/-60°	54	7	19	12	24.9	14.9	
HERC016	656431.2	7184430.1	598.2	VERTICAL	78		N a C	::fieset De	a		
HERC017	656455.7	7184423.7	591.6	300°/-60°	24	No Significant Results					
HERC018	656527.7	7184369.9	604.9	300°/-60°	39	2	3	1	22.2	26.7	
HERC019	656520.0	7184341.7	605.6	270º/-60º	19	4	9	5	28.8	19.6	
HERC020	656575.5	7184337.4	613.5	270°/-60°	24	9	15	6	24.6	25.7	
HERC021	656627.5	7184327.5	621.5	270°/-60°	24	10	16	6	20.3	30.3	
HERC022	656691.7	7184340.6	630.0	270º/-60º	7	4	7 EOH	3	20.9	23.6	
HERC023	656686.2	7184341.3	629.4	270º/-60º	36	7	11	4	24.3	22.0	
						31	33	2	21.5	27.5	
HERC024	656398.5	7184391.8	595.4	300°/-60°	30	17	21	4	20.5	23.4	
HERC025	656363.5	7184363.1	582.8	300°/-60°	42	2	3	1	22.4	17.5	
HERC026	656334.0	7184322.0	578.0	300°/-60°	42	6	9	3	16.4	28.6	
						17	22	5	20.3	25.6	
HERC027	656394.6	7184345.4	587.9	300°/-60°	84	4	8	4	21.6	12.1	
						13	17	4	19.8	12.8	
HERC028	656455.3	7184317.4	592.7	300°/-60°	54	6	9	3	27.8	17.9	
HERC029	656209.6	7184802.3	539.2	300°/-60°	36						
HERC030	656259.4	7184705.1	556.7	VERTICAL	18	No Significant Results					
HERC031	656182.5	7184847.3	555.9	300°/-60°	18						
HERC032	656151.7	7184888.4	553.4	300°/-60°	6						
				TOTAL	1,124						



# Drilling Results – Devils Hill/Mudderwearie (using a cut-off grade of 18% Mn)

Hole ID	Easting mE	Northing mN	RL(m)	Azimuth & Dip	Total Depth	Depth From	Depth To	Interval Width	Mn %	Fe %
				(planned)	Deptil	(m)	(m)	(m)		70
DHRC001	666352.5	7166524.7	609.7	315 <sup>0</sup> /-60 <sup>0</sup>	6		No Si	gnificant Re	sults	
DHRC002	666374.8	7166493.9	614.6	315 <sup>0</sup> /-60 <sup>0</sup>	18	4	5	1	20.8	16.8
DHRC003	666382.5	7166478.5	614.7	315 <sup>0</sup> /-60 <sup>0</sup>	30	8	9	1	19.6	20.7
DHRC004	666416.0	7166459.8	617.6	<b>315º/-60</b> º	12	2	8	6	21.1	21.5
DHRC005	666408.0	7166418.0	610.7	315°/-60°	18	12	13	1	18.1	20.3
DHRC006	666401.8	7166434.7	623.4	315 <sup>0</sup> /-60 <sup>0</sup>	24		No Si	gnificant Re	sults	
DHRC007	666449.4	7166476.0	613.7	315 <sup>0</sup> /-60 <sup>0</sup>	36	4	7	3	17.2	21.3
DHRC008	666437.1	7166490.0	620.1	315°/-60°	18	4	6	2	19.1	21.1
DHRC009	666424.4	7166499.5	624.9	315 <sup>0</sup> /-60 <sup>0</sup>	24	3	4	1	22.8	12.1
DHRC010	666402.2	7166517.5	623.5	315 <sup>0</sup> /-60 <sup>0</sup>	18		Ne Ci	au:ficant De		
DHRC011	666383.7	7166529.3	626.3	315 <sup>0</sup> /-60 <sup>0</sup>	6		INO SI	gnificant Re	esuits	
DHRC012	666366.9	7166547.6	629.5	315°/-60°	12	3	10	7	20.1	14.3
DHRC013	666395.8	7166607.1	621.6	315 <sup>0</sup> /-60 <sup>0</sup>	12		No Si	gnificant Re	esults	
DHRC014	666405.1	7166589.2	613.4	315 <sup>0</sup> /-60 <sup>0</sup>	12	5	9	4	18.1	20.9
DHRC015	666417.8	7166573.1	612.5	315 <sup>0</sup> /-60 <sup>0</sup>	24		No Si	gnificant Re	sults	
DHRC016	666435.3	7166556.4	608.3	315 <sup>0</sup> /-60 <sup>0</sup>	18	6	7	1	22.4	14.9
						9	11	2	17.9	10.3
DHRC017	666457.0	7166530.4	604.7	315 <sup>0</sup> /-60 <sup>0</sup>	12	0	1	1	26.3	15.3
DHRC018	666471.8	7166523.2	607.6	315°/-60°	18		No Si	gnificant Re	esults	
DHRC019	666491.2	7166504.5	608.4	315°/-60°	18	0	1	1	20.8	18.8
						10	11	1	18.6	21.3
						13	15	2	20.0	16.4
DHRC020	666405.8	7166634.7	589.6	315 <sup>0</sup> /-60 <sup>0</sup>	6					
DHRC021	666433.6	7166630.7	610.2	315 <sup>0</sup> /-60 <sup>0</sup>	30					
DHRC022	666444.3	7166615.2	609.2	315°/-60°	12		No Si	gnificant Re	esults	
DHRC023	666464.1	7166595.6	610.4	315 <sup>0</sup> /-60 <sup>0</sup>	18					
DHRC024	666485.8	7166573.5	610.7	315 <sup>0</sup> /-60 <sup>0</sup>	24					
DHRC025	666506.0	7166553.8	609.0	315 <sup>0</sup> /-60 <sup>0</sup>	18	1	4	3	21.0	14.2
DHRC026	666520.8	7166535.9	608.5	315°/-60°	24	0	7	7	21.1	14.6
DHRC027	666570.0	7166563.8	597.4	315 <sup>0</sup> /-60 <sup>0</sup>	12		No Si	gnificant Re	esults	
DHRC028	666553.9	7166577.9	600.7	315°/-60°	24	4	11	7	21.7	18.9
DHRC029	666541.0	7166591.0	601.4	315 <sup>0</sup> /-60 <sup>0</sup>	24	2	3	1	18.4	17.2
DHRC030	666535.1	7166597.3	597.0	315°/-60°	18					
DHRC031	666513.1	7166623.1	596.4	315 <sup>0</sup> /-60 <sup>0</sup>	12		No Si	gnificant Re	esults	
DHRC032	666491.0	7166646.9	608.1	315 <sup>0</sup> /-60 <sup>0</sup>	12					
DHRC033	666486.5	7166646.5	610.6	315 <sup>0</sup> /-60 <sup>0</sup>	12	0	3	3	18.4	18.4
DHRC034	666468.4	7166667.6	602.4	315 <sup>0</sup> /-60 <sup>0</sup>	12		No Si	gnificant Re	esults	
DHRC035	666463.9	7166672.2	609.6	315 <sup>0</sup> /-60 <sup>0</sup>	12	2	4	2	20.7	14.2
DHRC036	666594.6	7166591.3	566.4	315°/-60°	12		No Si	gnificant Re	esults	



# Table 4 (continued)

## Drilling Results – Devils Hill/Mudderwearie (using a cut-off grade of 18% Mn)

Hole ID	Easting mE	Northing mN	RL(m)	Azimuth & Dip (planned)	Total Depth	Depth From (m)	Depth To (m)	Interv al Width (m)	Mn %	Fe %
DHRC037	666591.1	7166598.9	588.2	315 <sup>0</sup> /-60 <sup>0</sup>	12	3	4	1	22.1	12.6
DHRC038	666577.2	7166618.6	587.4	315°/-60°	12					
DHRC039	666559.2	7166646.2	592.7	315°/-60°	12					
DHRC040	666539.8	7166666.3	593.1	315°/-60°	12	No Significant Results				
DHRC041	666529.7	7166681.8	591.6	315°/-60°	6					
DHRC042	666514.0	7166695.0	595.0	315°/-60°	6					
DHRC043	666492.9	7166707.9	598.8	315°/-60°	6					
DHRC044	666559.1	7166718.0	592.2	315°/-60°	12	0	1	1	20.4	10.3
DHRC045	666536.1	7166739.1	594.8	315º/-60º	6	2	3	1	18.4	16.7
DHRC046	666530.6	7166745.4	595.3	315°/-60°	5	No Significant Results				
MPRC001	665714.1	7166964.9	582.4	270 <sup>0</sup> /-60 <sup>0</sup>	7	Hole abandoned				
MPRC002	665717.9	7166972.8	582.6	VERTICAL	6	Hole Abandoned				
				TOTAL	720					

## Table 5

## Drilling Results – Black Cat (using a cut-off grade of 18% Mn)

Hole ID	Easting mE	Northing mN	RL(m)	Azimuth & Dip (planned)	Total Depth	Depth From (m)	Depth To (m)	Interval Width (m)	Mn %	Fe %	
BCRC001	667911.7	7165746.1	609.3	145°/-60°	24	0	2	2	18.4	19.0	
BCRC002	667906.9	7165777.9	606.5	145°/-60°	18						
BCRC003	667895.2	7165791.3	608.3	145°/-60°	18	No Significant Results					
BCRC004	667974.9	7165763.0	596.7	145°/-60°	18						
BCRC005	667959.5	7165780.2	598.4	145°/-60°	12						
BCRC006	667870.0	7165749.3	601.4	145 <sup>0</sup> /-60 <sup>0</sup>	24						
BCRC007	667838.1	7165712.8	599.7	145 <sup>0</sup> /-60 <sup>0</sup>	12						
				TOTAL	126						

Notes (relates to Tables 2-5):

1. Intervals may include up to 2 metres of internal waste.

2. Due to the broad spaced nature of this drilling true thickness of mineralisation is uncertain.



# Cheval Prospect Rock Chip Samples - Laboratory Results

Sample ID	Northing	Easting	Mn	Fe	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Р
	mN	mE	%	%	%	%	%
BRYRK336	7187180	651767	23.9	27.0	5.76	5.96	0.24
BRYRK337	7187164	651763	24.9	28.5	5.24	3.08	0.35
BRYRK338	7187156	651779	26.4	29.5	3.60	3.01	0.26
BRYRK339	7187143	651781	33.5	21.4	4.85	2.15	0.18
BRYRK340	7187130	651787	29.5	24.0	4.68	3.70	0.21
BRYRK341	7187148	651724	0.7	57.0	3.34	3.19	0.24
BRYRK342	7187129	651731	14.7	43.3	4.20	3.50	0.12
BRYRK343	7187094	651729	31.8	27.5	2.53	1.69	0.06
BRYRK344	7187114	651686	20.8	26.4	7.89	9.92	0.25
BRYRK345	7187121	651705	27.7	25.0	6.89	2.95	0.12
BRYRK346	7187196	651816	28.4	22.9	8.21	3.42	0.11
BRYRK347	7187202	651834	31.3	23.5	4.92	2.14	0.15
BRYRK348	7187200	651847	38.8	12.8	6.81	3.89	0.10
BRYRK349	7187169	651858	25.0	28.3	5.69	3.53	0.17
BRYRK350	7187169	651857	28.5	26.4	4.28	3.28	0.18
BRYRK351	7187181	651896	34.5	20.6	2.94	4.20	0.21
BRYRK352	7187190	651887	0.5	61.7	2.24	4.43	0.07
BRYRK353	7187204	651880	32.4	10.7	5.77	19.24	0.06
BRYRK354	7187213	651878	38.0	13.0	7.74	3.83	0.08
BRYRK355	7187218	651847	25.5	25.7	7.42	4.78	0.29
BRYRK356	7187253	651915	35.1	19.2	4.59	3.30	0.31
BRYRK357	7187250	651918	24.5	31.6	4.55	1.56	0.16
BRYRK358	7187236	651930	31.0	22.0	8.08	2.71	0.09
BRYRK359	7187226	651939	26.2	25.0	6.10	6.94	0.20
BRYRK360	7187292	652002	31.6	20.2	5.74	4.86	0.22
BRYRK361	7187295	652032	31.7	21.5	5.42	3.54	0.20
BRYRK362	7187301	652030	41.3	12.9	4.72	2.69	0.28
BRYRK363	7187309	652022	21.9	30.2	3.67	7.97	0.13
BRYRK364	7187363	652096	23.5	30.1	4.99	4.12	0.23
BRYRK365	7187376	652104	33.9	22.4	4.10	1.56	0.21
BRYRK366	7187375	652133	17.5	40.0	3.53	1.59	0.15
BRYRK367	7187407	652185	35.5	19.1	4.58	2.81	0.20
BRYRK368	7187408	652250	30.1	26.3	3.56	1.76	0.23
BRYRK369	7187386	652253	18.2	38.4	3.94	2.49	0.30
BRYRK370	7187391	652253	28.9	27.6	4.35	1.98	0.18



### Appendix 1

## Bryah Basin Manganese Farm-In and Joint Venture Agreement Key Terms

- The Farm-In and Joint Venture Agreement (Agreement) between Bryah and OMM includes a Signing Fee of \$0.25 million, which was paid to Bryah on 18 April 2019.
- The Joint Venture (JV) applies to Manganese Mineral Rights only, with Bryah retaining rights to all other minerals.
- In Stage 1, OMM will fund \$0.5 million on project expenditure by 31 July 2019.
- OMM may elect to proceed to Stage 2 by paying an Exercise Fee of \$0.25 million to Bryah to earn an initial 10% JV interest 30 days after Bryah supplies OMM with the results of the Stage 1 exploration.
- In Stage 2, OMM will fund a further \$2.0 million of project expenditure by 30 June 2022 to earn an additional 41% JV interest, giving OMM a total of 51% JV interest.
- Bryah is to be Project Manager for Stage 1 and Stage 2 of the Farm-In.
- Upon OMM earning its 51% JV interest, OMM may elect to be Project Manager and Bryah may elect not to contribute to project expenditure, diluting from 49% to 40% JV interest by OM funding the next \$1.8 million of project expenditure.
- Upon OMM earning its 60% JV interest, Bryah may elect not to contribute to project expenditure, diluting from 40% to 30% JV interest by OMM funding the next \$2.5 million of project expenditure.
- OMM's right to acquire a JV interest is subject to OMM obtaining Foreign Investment Review Board approval to it acquiring a JV interest.
- The aim of the JV is to explore for commercially mineable manganese and carry out Feasibility Studies.
- If a positive Feasibility Study is supported by a Decision to Mine then OMM and Bryah may elect to participate in a Mining Joint Venture in proportion to their JV interests or convert to a Royalty.
- Bryah is to negotiate a sales agency agreement on commercial terms with OM Holdings Ltd in respect to all manganese ore production under the Mining JV.
- The JV includes an area of Mutual Interest which extends for a radius of 100 kilometres from the Horseshoe South Manganese Mine (M52/806).
- Tenements covered under the Agreement are:
  - a. E52/3236 (southern portion), E52/3237, E52/3240, E52/3349, E52/3401, and E52/3508 registered in the name of Bryah Resources Limited,
  - b. M52/806 to be registered in the name of Bryah Resources Limited, and
  - c. E52/1557, E52/1860, and M52/1068 registered in the name of Desert Resources Pty Ltd, a subsidiary of Austsino Resources Group Limited (ASX:ANS) (Manganese Mineral Rights only) (See Figure 2)



	Tenement	Information a	s Required by	Listing Rule 5.3.3						
For the Quarter Ended 30 June 2019										
Location	Project	Tenements	Economic Interest	Notes	Change in Quarter %					
Western Australia	Gabanintha	E51/843	100% <sup>1</sup>		Nil					
		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					
		MLA51/878	Nil	Application	Nil					
Western Australia	Bryah Basin	P52/1627	100%		Nil					
		E52/3014	100%		Nil					
		E52/3236	100% <sup>2</sup>		Nil					
		E52/3237	100% <sup>2</sup>		Nil					
		E52/3238	100% <sup>2</sup>		Nil					
		E52/3240	100% <sup>2</sup>		Nil					
		E52/3349	100% <sup>3</sup>		Nil					
		E52/3401	100%4		Nil					
		E52/3453	100%4		Nil					
		E52/3454	100%4		Nil					
		E52/3508	100%		Nil					
		E52/3700	Nil	New Application <sup>6</sup>	Nil					
		E52/3703	Nil	New Application <sup>6</sup>	Nil					
		E52/3705	Nil	New Application	Nil					
		E52/3725	Nil	New Application	Nil					
		E52/3726	Nil	New Application	Nil					
		M52/1068	Nil	Manganese Rights only <sup>5</sup>	100%					
		E52/1557	Nil	Manganese Rights only <sup>5</sup>	100%					
		E52/1860	Nil	Manganese Rights only <sup>5</sup>	100%					
		M52/806	Nil	Lease Purchased	100%					

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 Gabanintha Project.

Note 2: Pet FC Pty Ltd retains a 0.75% Net Smelter Return Royalty

Note 3: Australian Vanadium Ltd retains a 0.75% Net Smelter Return Royalty

Note 4: Jalein Pty Ltd retains a 0.75% Net Smelter Return Royalty

Note 5: Bryah Resources Limited holds the rights to prospect, explore, mine and develop manganese ore ("Manganese Rights"), which was exercised on 16 April 2019

Note 6: Subject to a ballot draw as competing applications lodged for all or parts of this Exploration Licence application area



#### About Bryah Resources Limited

Bryah Resources Limited is a copper-gold-manganese focused explorer with 2 projects located in central Western Australia, being the 880 km<sup>2</sup> Bryah Basin Project and the 200km<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 until 1994. The Bryah Basin also has several historical and current manganese mines including the recently acquired Horseshoe South mine.

The Company has secured a farm-in and joint venture agreement with OM (Manganese) Limited in respect to its manganese rights only in respect to approximately 660 km<sup>2</sup> of its Bryah Basin tenement holdings (see Figure 8).

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.