



BOOYLGOO PROJECT - SYSTEMATIC SAMPLING IDENTIFIES DSO IRON TARGETS

- **Grades up to 65% Fe from detailed sampling of hematized/goethitized BIF.**
- **Scout RC drilling being planned to test high grade zones.**

SUMMARY

Enterprise Metals Limited (“Enterprise” or “the Company”, ASX: “ENT”) is pleased to announce that it has received assays from reconnaissance mapping and systematic rock chip sampling of extensive banded iron formation (“BIF”) units in the Booylgoo Range.

Enterprise’s 100% owned Booylgoo Project is centred approximately 80 kilometres WNW of the town of Leinster in Western Australia and covers an area of approximately 91 km². It lies to the south of Golden West Resources Ltd’s *Wiluna West* hematite project (127.2Mt at 60.2% Fe) which is hosted in similar rocks.

Systematic outcrop sampling (total 140 samples) of magnetic BIF and hematitic/goethitic units on the eastern and western limbs of the syncline has returned assays of between 25-65% Fe. Fifty one of these surface samples have returned 50-65% Fe, with low silica (SiO₂), alumina (Al₂O₃) and phosphorous. (Refer Figure 1 and Table 1) The remaining 89 samples varied between 25-50% Fe.

The sampling was limited by available outcrop, and other units which appear to be partially magnetic were not outcropping and hence were not sampled. These partially magnetic non-outcropping units will require RC drill testing to determine if non-magnetic hematite and goethite units are present below surface.

Five iron rich grab samples also returned between 15ppb and 494ppb gold (**0.49g/t Au**). The BIF/gold association is well known in Western Australia (Eg. Mt Magnet) and the potential for BIF associated gold mineralisation will be investigated.

The future program of work will involve heritage surveys and RC drill testing for direct shipping ore (“DSO”), with magnetite and gold as secondary targets.

BACKGROUND

The tenement covers the Archaean Booylgoo Range greenstone belt which is comprised of a layered succession of metamorphosed mafic igneous rocks, minor felsic volcanics and banded iron formation and other sedimentary rocks.

The sequence is a NNW striking tightly folded “boat shaped” synclinal structure known as “the Mt Anderson syncline”, the limbs of which contain long segments of banded iron formation. From observations and sampling, the mostly magnetic BIF units average 25 – 50% Fe, and the strongly hematized and goethitized units average 50-60% Fe. The thickness of the outcropping units varies from 10 to 40m.

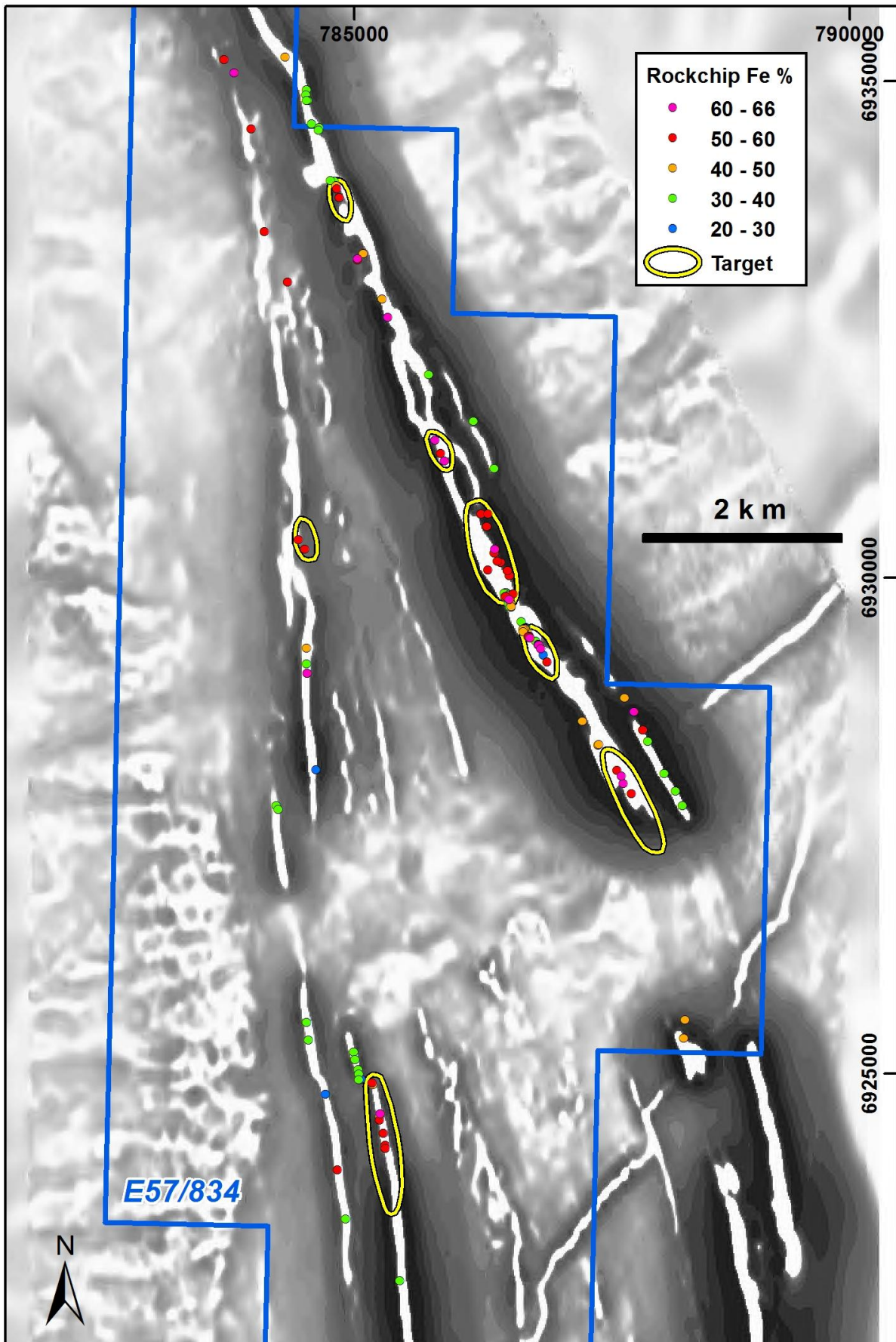


Figure 1: Booylgoo Range Project – Rock Chip Sample Locations on Magnetic Image



ENTERPRISE METALS LIMITED

Table 1. Booylgoo Range Project, Rockchip Sample Results, 50-65%Fe

Sample	Easting	Northing	Fe	SiO2	Al2O3	P	LOI
			%	%	%	%	%
E017510	786857	6929320	65.04	2.42	1.37	0.055	3.56
E017507	786775	6929390	64.26	2.25	0.48	0.078	5.59
E017567	785030	6933213	64.00	3.7	1.05	0.048	3.48
E017592	785259	6924595	63.55	3.03	0.98	0.168	5.04
E017564	785339	6932618	63.37	2.1	0.6	0.116	6.47
E018540	787821	6928646	62.48	5.14	1.17	0.093	4.16
E017556	786416	6930283	61.88	2.63	1.92	0.079	6.81
E017652	787715	6927918	61.58	2.48	2.36	0.082	6.51
E017529	785908	6931171	61.24	4.05	2.12	0.083	5.57
E017562	785816	6931380	61.14	3.71	1.2	0.074	7.23
E017512	786884	6929279	61.07	3.72	2.05	0.08	6.38
E017509	786853	6929322	60.98	2.16	0.79	0.183	9.75
E017523	783787	6935084	60.98	8.35	0.89	0.02	3.23
E017511	786864	6929320	60.87	3.05	2.87	0.065	6.13
E017628	786562	6929775	60.29	3.71	3.42	0.016	6.72
E017653	787694	6927998	60.13	1.55	2.14	0.283	9.85
E017576	784522	6929035	60.05	6.05	0.47	0.128	6.77
E017531	786336	6930514	59.62	2.56	0.69	0.27	10.67
E017528	786412	6930246	59.39	3.08	3.01	0.044	5.48
E018539	787910	6928460	59.15	6.71	1.98	0.064	6.14
E017654	787649	6928056	59.01	3.8	3.33	0.114	7.87
E017514	786946	6929147	58.80	4.95	3.97	0.119	6.98
E017572	784435	6930376	58.52	2.36	3.13	0.296	9.61
E017526	784327	6932976	58.25	5.74	1.21	0.051	7.67
E017554	786345	6930076	57.79	5.96	1.46	0.136	10.03
E017563	785871	6931250	57.78	4.98	3.03	0.098	8.73
E017555	786441	6930161	57.75	3.34	4.09	0.038	6.75
E017551	786561	6930018	57.34	8.28	2.67	0.136	6.26
E017617	786527	6929804	56.87	8.46	1.65	0.033	7.62
E017573	784497	6930283	56.66	5.89	2.65	0.107	9.25
E017522	783684	6935221	56.46	5.98	2.41	0.037	10.26
E017590	785176	6924906	56.39	7.76	0.77	0.366	10.01
E017597	785315	6924243	56.15	11.87	0.81	0.27	6.49
E017553	786476	6930152	56.04	4.79	4.52	0.129	10.15
E017596	785313	6924275	55.75	6.58	1.83	0.182	10.85
E017570	784825	6933915	55.55	4.76	3.01	0.251	11.47
E017552	786545	6930066	55.19	12.93	2.4	0.098	5.65
E017527	786602	6929834	54.77	7.49	2.34	0.454	10.29
E017524	783962	6934518	54.45	11.5	0.86	0.24	9.32
E017504	786753	6929398	54.40	14.23	1.08	0.139	6.16
E017566	785031	6933196	54.32	9.51	5.51	0.102	6.6
E017503	786766	6929404	54.29	15.56	0.91	0.084	5.22
E017604	785368	6923735	54.00	14.36	0.67	0.094	6.63
E017558	786349	6930639	53.20	13.69	4.21	0.142	5.94
E017651	787795	6927819	53.06	5.59	5.01	0.513	11.41
E017569	784847	6933827	52.72	17.02	0.5	0.053	6.15
E017595	785294	6924395	51.68	18.56	0.91	0.045	6.09
E017506	786760	6929402	51.17	20.98	0.8	0.081	4.63
E017557	786276	6930639	51.17	17.85	2.39	0.036	6.26
E017525	784092	6933483	50.91	16.04	1.79	0.021	8.2
E017594	785257	6924528	50.46	16.74	1.38	0.154	9.19
E017601	784831	6924028	50.31	23	0.36	0.019	4.05
Method			FB1/XRF	FB1/XRF	FB1/XRF	FB1/XRF	/TGA
Detection	Limit		0.01	0.01	0.01	0.001	0.01

NB: Samples prefixed E018 collected earlier in 2012 and reported in ASX release dated 10 Feb 2012.



ENTERPRISE METALS LIMITED

Table 2. Booylgoo Range Project, Rockchip Samples with Anomalous Gold

Sample	Easting	Northing	Fe	SiO ₂	Al ₂ O ₃	P	LOI	Au
			%	%	%	%	%	ppb
E017592	785259	6924595	63.55	3.03	0.98	0.168	5.04	308
E017563	785871	6931250	57.78	4.98	3.03	0.098	8.73	26
E017504	786753	6929398	54.40	14.23	1.08	0.139	6.16	15
E017648	786705	6929468	34.80	44.07	2.99	0.027	3.35	30
E017636	786559	6929732	33.36	46.51	0.52	0.099	4.66	494
Method			FB1/XRF	FB1/XRF	FB1/XRF	FB1/XRF	/TGA	FA50/MS
Detection Limit			0.01	0.01	0.01	0.001	0.01	1

*Notes: Co-ordinates Map Grid of Australia, Zone 50, GDA 94.
Analyses by Intertek Genalysis using XRF spectrometry (Iron ore suite).*

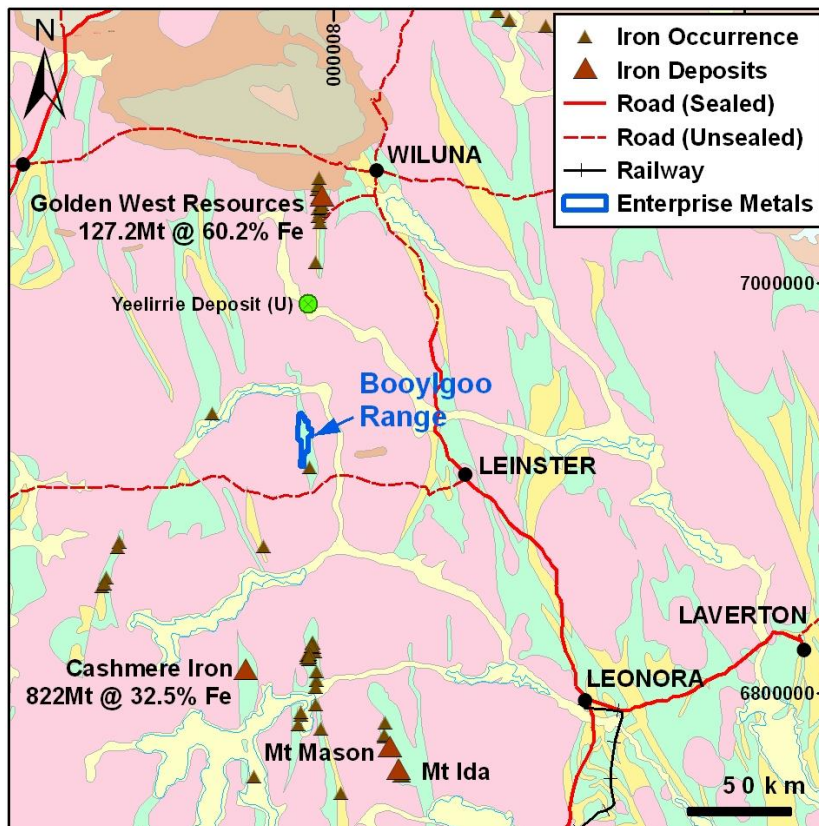


Figure 2: Booylgoo Range Iron Project, Location Plan

Dermot Ryan
Managing Director

Contact: Telephone: 08 9436 9200 Facsimile: 08 9436 9299 Email: admin@enterprisemetals.com.au

The information in this announcement that relates to Exploration Results has been compiled by Mr Dermot Ryan, who is a Fellow of the Australian Institute of Geoscientists, and a full time employee of geological consultancy Xserv Pty Ltd. Mr Ryan has sufficient relevant experience in the techniques being reported and styles of mineralisation and types of deposit under consideration, and in the activity he is undertaking, to qualify as a Competent Person as defined in the 2004 Edition of the "Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the JORC Code), and consents to the inclusion of the information in the form and context in which it appears.