

22 September 2010

**HIGH GRADE DRILL RESULTS**  
**IRON ORE AND VANADIUM**

**MID-WEST IRON ORE PROVINCE WESTERN AUSTRALIA**

**HIGHLIGHTS**

Wide drill intersections up to:-

- **50m @ 37.8% Fe - 0.72% V<sub>2</sub>O<sub>5</sub> - 10.01% Ti O<sub>2</sub>**
- **5.5 kilometres of drill tested mineralisation identified.**
- **Further 7.5 kilometres of the same aeromagnetic structure yet to be tested.**
- **Confirmed mineralisation open both along strike and to a vertical depth of 300 metres.**
- **Excellent beneficiation characteristics to produce high grade iron – vanadium concentrate.**

**UNALY HILL PROJECT (E57/420) (100%)**

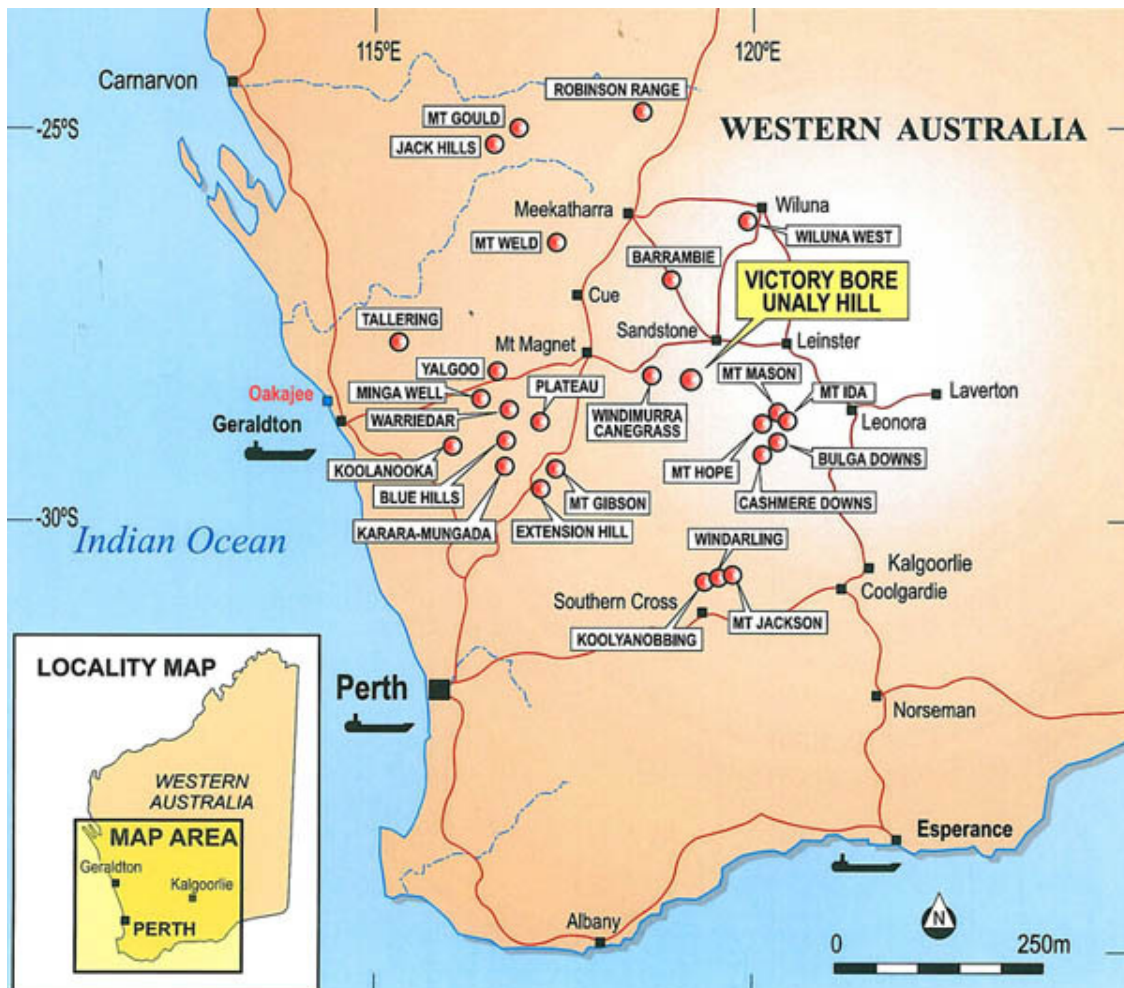
- **LOCATION AND INFRASTRUCTURE**

Unaly Hill project is located in the Mid-West iron ore province 50 kilometres South of Sandstone, East Murchison Mineral Field, Western Australia.

The project is favourably located within the emerging Mid-West, where Oakajee Port and rail (OPR) are reaching completion of their rail and port project that will service the region's mining needs.

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Other mining companies also in the area (refer image below):



### ATLANTIC LIMITED

Atlantic's Windimurra project located 30 km to the west is scheduled to recommence production in 2011, based on a JORC reserve of 97Mt. grading 0.47% V<sub>2</sub>O<sub>5</sub>.

**Unaly Hill's Vanadium grades compare very favourably** to that at **Windimurra** with the project further benefiting from, at or near surface mineralisation. Also of note is the fact that Windimurra is connected to the Dampier- Bunbury gas pipeline that reasonably could be expected to provide a similar power source to Unaly Hill.

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Other mining companies also in the area (Continued):

**GINDALBIE METALS LTD**

Karara – Probable magnetite Reserve for 189 Mt. 36.3% Fe.

**MID-WEST CORPORATION / SINOSTEEL**

Weld Range – Measured - Indicated - Inferred Resource  
149.2 Mt. for 87.13Mt. Fe

**MURCHISON METALS LTD – MITSUBISHI CORPORATION**

Jack Hills – Measured - Indicated – Inferred Resource.  
110 Mt. grading 56.9% Fe

**CASHMERE IRON**

Cashmere Downs  
JORC compliant – Inferred Resource in excess of 1 billion tonnes

**REED RESOURCES LTD.**

Barrambie  
Probable Reserve – Vanadium 39.7Mt @ 0.82% V<sub>2</sub>O<sub>5</sub>  
Iron 39.7Mt @ 39.70% Fe

**METALLURGICAL TESTING – UNALY HILL BULK SAMPLES**

Preliminary Test works confirm excellent beneficiation characteristics to produce High grade vanadium/iron concentrate.

Size (Micron)	Weight Recovery	Fe %	V %	V <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	TiO <sub>2</sub> %
500	62.19	55.28	0.64	1.14	3.3	3.13	13.6
235	57	57.49	0.68	1.21	2.18	2.35	13.3
<b>152</b>	<b>54.98</b>	<b>59.1</b>	<b>0.70</b>	<b>1.25</b>	<b>1.55</b>	<b>1.88</b>	<b>13.16</b>
76	53.03	60.7	0.72	1.28	1.05	1.41	12.81
44	51.12	61.7	0.74	1.33	0.72	1.04	12.33
34	50.79	61.31	0.74	1.31	0.64	0.94	12
33	50.5	61.71	0.74	1.33	0.64	0.9	11.9
28	50.15	61.61	0.75	1.33	0.62	0.86	11.7

## DRILLING RESULTS

Black Ridge's completed drilling programme comprised 13 Reverse Circulation holes for a total of 2066 metres (**Refer Figure 2 next page**). Drilling was designed primarily to test both the continuity and grade of **magnetite** and **vanadium** mineralisation present within a major north-south-trending magnetic anomaly detected from the interpretation and 3D modelling of detailed airborne magnetic surveys.

Hole ID	From M	To M	Drill Intersection M	Fe %	V <sub>2</sub> O <sub>5</sub> %	TiO <sub>2</sub> %
UHC 101	52	97	45	26.5	0.48	6.98
UHC 103	44	59	15	23.4	0.44	6.18
	76	91	15	24.7	0.44	6.44
UHC 104	12	21	15	19.3	0.33	5.15
UHC 106	67	85	18	0.52	28.1	7.68
	90	96	6	0.52	28.1	7.66
<b>UHN 101</b>	<b>85</b>	<b>95</b>	<b>10</b>	<b>27.2</b>	<b>0.52</b>	<b>6.96</b>
	135	140	5	20.8	0.40	5.34
<b>UHN 102</b>	<b>45</b>	<b>50</b>	<b>5</b>	<b>31.5</b>	<b>0.63</b>	<b>8.09</b>
	65	70	5	20.6	0.39	5.17
UHN 108	35	45	10	21.7	0.42	5.42
	60	65	5	25.0	0.47	6.57
	85	90	5	33.3	0.62	8.97
	100	115	15	25.5	0.46	6.96
UHN 103	40	55	15	19.7	0.36	4.99
	55	70	5	23.0	0.41	6.13
<b>UHN 104</b>	<b>40</b>	<b>55</b>	<b>15</b>	<b>30.3</b>	<b>0.53</b>	<b>8.30</b>
	<b>65</b>	<b>75</b>	<b>10</b>	<b>26.2</b>	<b>0.46</b>	<b>7.33</b>
<b>UHN 105</b>	<b>55</b>	<b>105</b>	<b>50</b>	<b>37.8</b>	<b>0.72</b>	<b>10.00</b>
	120	125	5	19.2	0.38	4.78
<b>UHN 106</b>	<b>190</b>	<b>145</b>	<b>15</b>	<b>30.8</b>	<b>0.53</b>	<b>8.37</b>
UHN 107	15	35	20	21.6	0.39	5.61
	45	70	25	26.1	0.45	6.94
<b>Weighted averages</b>				<b>27.00%</b>	<b>0.50%</b>	<b>7.34%</b>

The holes drilled at a dip of -60° and azimuth of 110° except UHN 105 290° azimuth.

To date, this major anomaly has been traced over a strike length of some 14 kilometres of which at least 11 kilometres fall within Black Ridge's E57/420.

**Some 7.5 kilometres of this anomaly still remains to be tested.**

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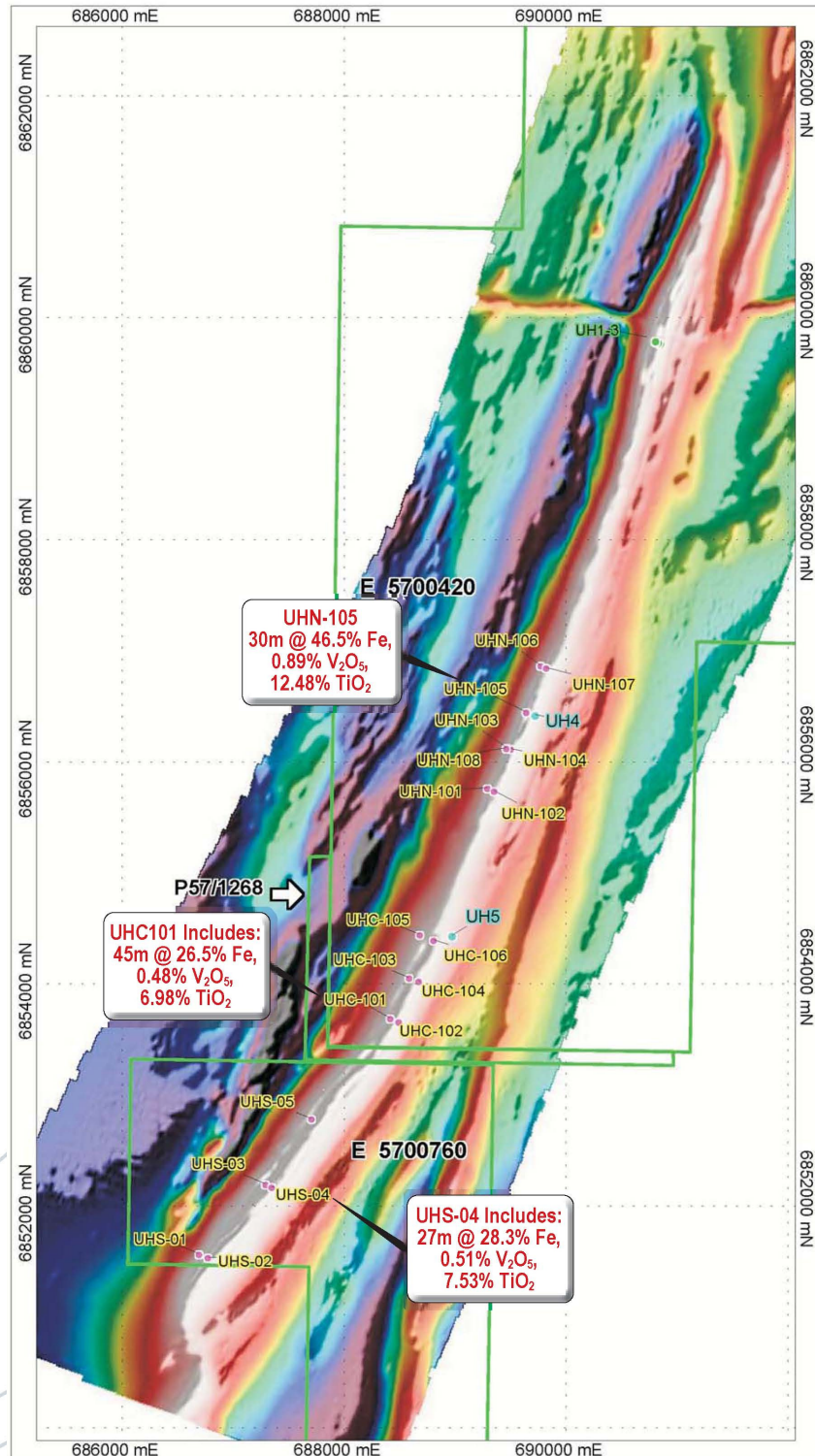


Figure 2

## FOUR CORNERS WELL (E57/760)

E57/760 is adjacent to and south of Black Ridge's E57/420 covering some 2 kilometres of the same mineralised magnetic structure. Black Ridge has the option to earn 60% interest with Meteoric Resource NL ( **ASX: MEI** ) to carry out drill investigation of this tenement.

To date 5 holes UHS 01 – UHS 05 have been drilled for a total of 850 metres confirming the presence of **iron and vanadium** mineralisation (Table 2).

Hole ID	From M	To M	Drill Intersection M	Fe %	V <sub>2</sub> O <sub>5</sub> %	TiO <sub>2</sub> %
UHS 01	109	133	24	25.2	0.48	6.54
UHS 02	62	95	33	27.9	0.51	7.34
UHS 03	39	63	24	24.0	0.45	6.19
UHS 04	29	56	27	28.3	0.51	7.58
UHS 05	98 174	104 186	6 12	19.5 26.1	0.37 0.47	5.15 6.65

The Company intends to commission experienced **magnetite** specialists to prepare a Scoping Study to better understand the various options for **product specifications, production levels, capital and operating costs and port/rail planning** solutions.

Further information in relation to this announcement should be directed to the undersigned.



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ASX ANNOUNCEMENT  
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*Geological aspects of this report that relate to Exploration Results have been compiled by Dr Bryan Smith (MAIG, MAIMM), a consultant to Black Ridge Mining NL. Dr Smith has sufficient experience relevant to the style of mineralization and type of deposit under consideration and to the activity which is being reported to qualify as a Competent Person as defined for the Reporting of Mineral Resource and Ore Reserves. Dr Smith consents to the inclusion in the report of the matters in the forms and contents in which they appear.*

*Information in this report that relates to metallurgical results reflects information compiled by Mr Brian Povey, who is a Principal Consulting Metallurgist with ProMet Engineers, a fellow of the AusIMM, and an independent consultant to the company. Mr Povey has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity upon which he is reporting on as a Competent Person as defined in the 2004 Edition of "The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves." Mr Povey consents to the inclusion in this report of the matters based on the information compiled by him, in the form and context in which it appears.*