

ASX / MEDIA RELEASE

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IRONCLAD
MINING LIMITED

JORC Code Resource **Upgrade at Wilcherry Hill**

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- **Significant Upgrade in Resource Quality**
 - **70% (48Mt) in Indicated Category**
 - **JORC Code Classification**
- **Total 69 Mt JORC Code Resource**
 - **High quality, low contaminant ore confirmed**
 - **Near surface, Easy to mine**
- **Mining Studies and Reserve Statement Well Advanced**
- **Target Potential for Skarn Magnetite at Wilcherry Hill increased (600 – 700 Mt)**

The Directors of IronClad Mining Limited (ASX: IFE) are pleased to announce an upgraded 69.3 Mill tonnes skarn magnetite resource at the Wilcherry Hill Project in South Australia (Fig 1). The Wilcherry Hill Project is a 20:80 joint venture between Trafford Resources (ASX: TRF) and its subsidiary IronClad Mining.

The significant upgrade of the Wilcherry Hill resource includes 48 Mt indicated and 21 Mt inferred (Table 1 and Appendix A). This indicated resource was independently verified and JORC Code classified by independent SRK Consulting and enables IronClad to finalise its mining study and reserve statement. IronClad remains on track to commence its planned Stage 1 mining operations in 2011.

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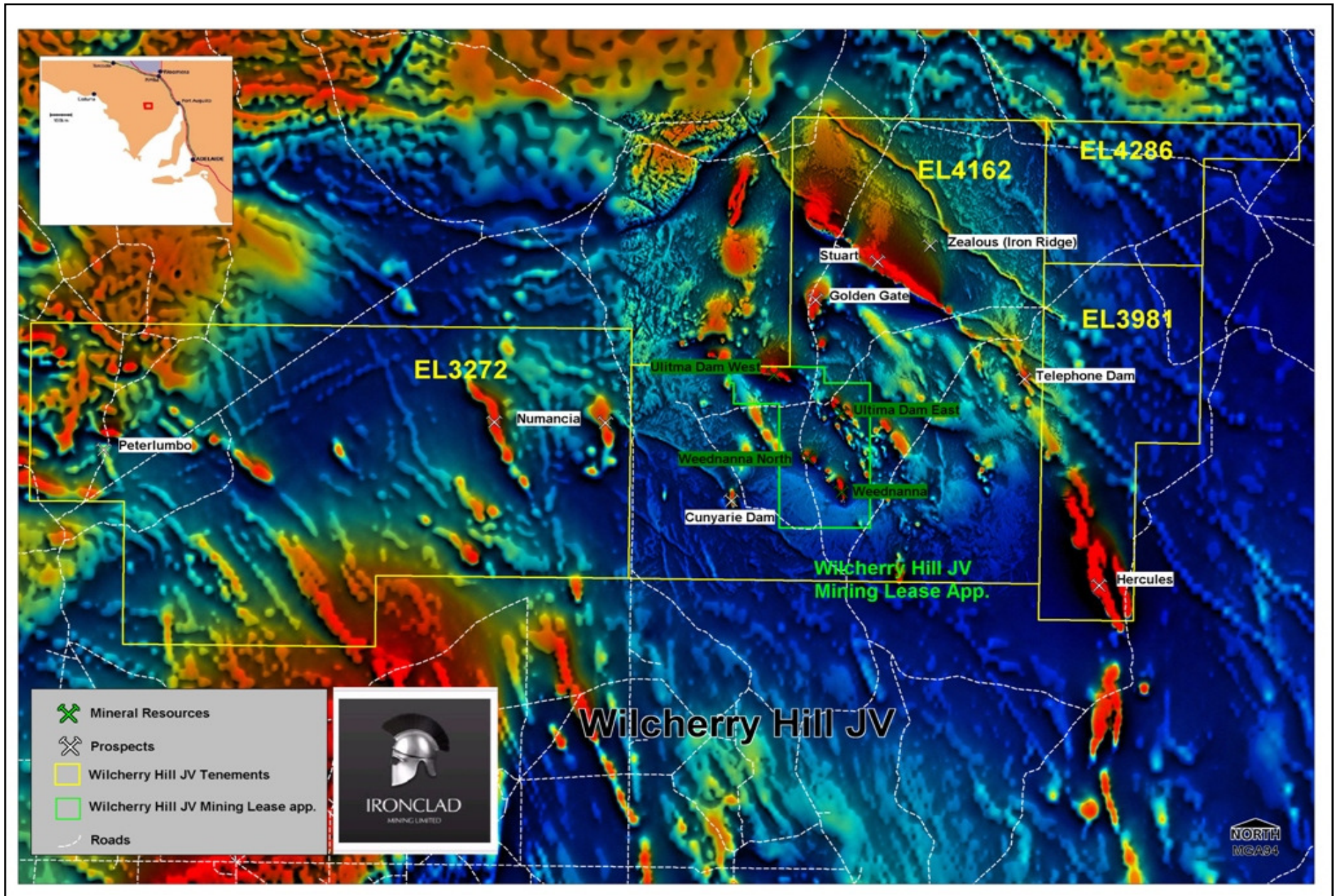


Figure 1: IronClad Mining Wilcherry Hill Magnetite Project, South Australia

JORC classification of updated Wilcherry Hill magnetite resource September 2010										
Prospect	Jorc Classification	Tons (mt)	Fe %	Sg	Sio2 %	Al2o3%	P %	Loi	Strike Length	Average Dip
Weednana	Inferred	0.78	41.84	3.44	17.30	4.15	0.02	3.70	1.2 Kilometers	45 Degrees
	Indicated	19.50	25.56	3.01	32.27	11.03	0.04	6.46		
	Total	20.28	26.19	3.03	31.72	10.78	0.04	6.36		
Ultima Dam East	Inferred	9.50	24.06	2.95	39.67	7.45	0.10	6.93	1.4 Kilometers	40 Degrees
	Indicated	14.48	27.05	3.04	33.62	9.49	0.12	9.04		
	Total	23.97	25.86	3.00	36.02	8.68	0.11	8.20		
Weednana North	Inferred	3.01	31.63	3.14	13.80	5.22	0.03	7.90	1.1 Kilometers	< 40 Degrees
	Indicated	14.18	23.83	2.96	32.52	10.14	0.05	7.24		
	Total	17.19	25.19	3.00	29.25	9.28	0.04	7.36		
Ultima Dam West	Inferred	7.86	26.54	3.00	30.96	2.92	0.05	6.64	250 meters	> 60 Degrees
	Indicated	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Total	7.86	26.54	3.00	30.96	2.92	0.05	6.64		
Combined Total Inferred		21.2 Mt	26.7	3.0	31.9	5.3	0.07	6.8		
Combined Total Indicated		48.2 Mt	25.5	3.0	32.8	10.3	0.07	7.5		
Combined Total		69.3 Mt	25.9	3.0	32.5	8.8	0.07	7.3		
Notes	Specific Gravity (SG) calculated by applying the polynomial best fit equation $SG = (0.00043 * (fe_est * fe_est) - (0.00008 * fe_est) + 2.67682)$ derived from 439 pycnometer values and assuming a 2% porosity									

Table 1: Summary table of JORC classification for the Wilcherry Hill Project. The minimum cut off grade used to define wireframes is 15% Fe

WEEDNANNA

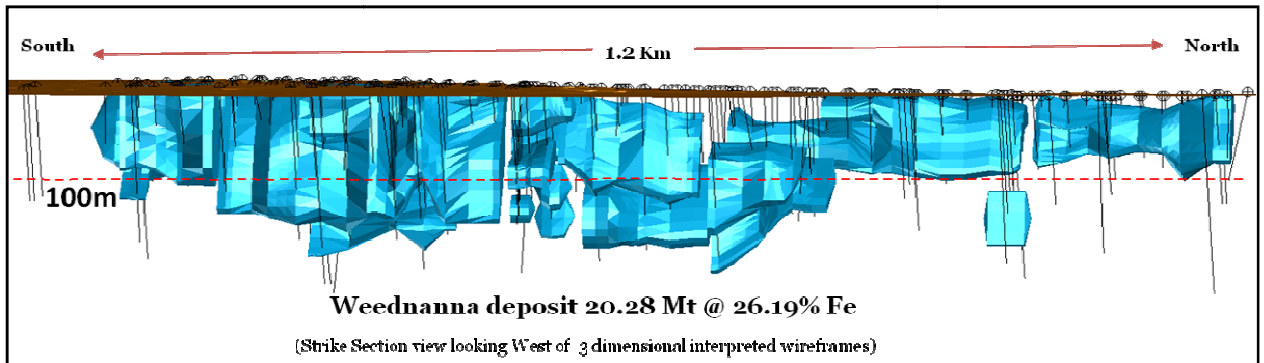


Figure 2: The resource for the Weednanna deposit (251 holes), extends over a 1.2km strike length

ULTIMA DAM EAST

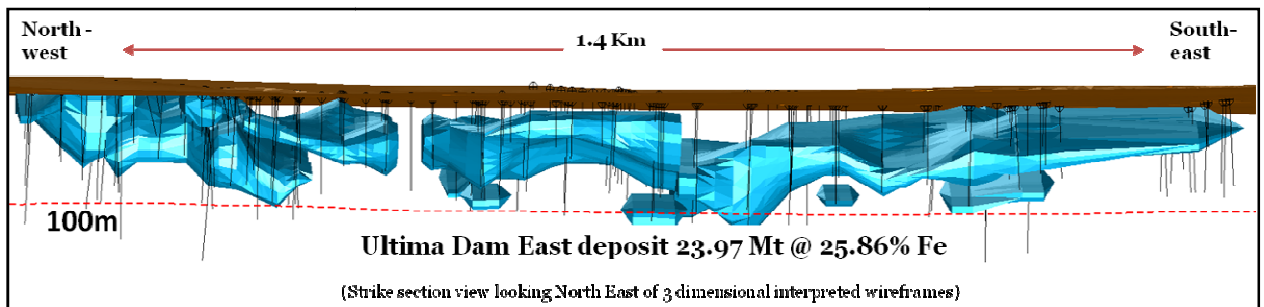


Figure 3: The resource for the Ultima Dam East deposit (233 holes), extends over a length of 1.4 km

WEEDNANNA NORTH

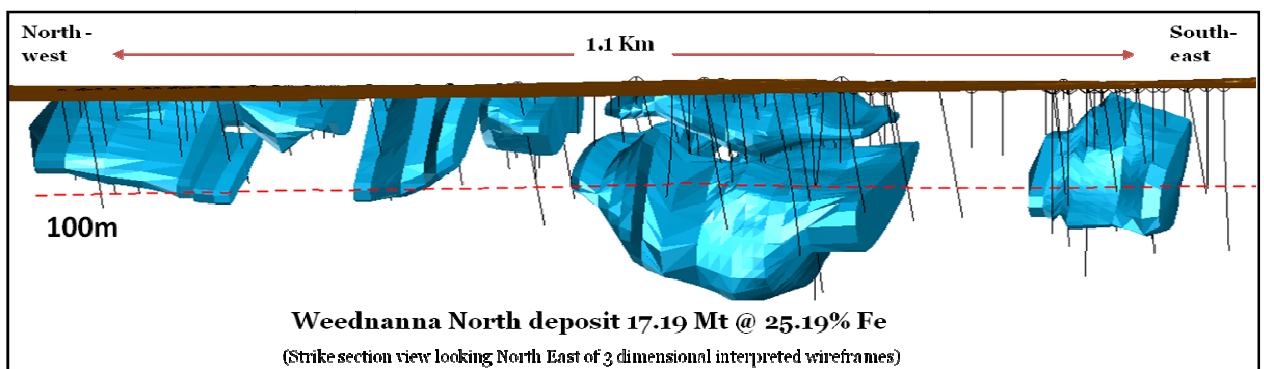


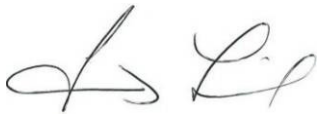
Figure 4: The resource for the Weednanna North deposit (132 Holes), extends over a length of 1.1 Km

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During 2010 IronClad has completed 16000m of RC drilling and 2000m of diamond drilling, reducing drill spacing for all deposits to approximately 25m between holes. IronClad geologists have further defined a series of skarn magnetite targets over its extensive tenements (976 km²) at Wilcherry Hill. As a result of this work the target potential for skarn magnetite has increased from (200-300Mt) to (600 -700 Mt.)(Appendix B).

The high quality, low contaminant ore reported will be mined from 3 different ore bodies which are all near surface and easily mineable (Figure 2, 3 & 4).

The definition and JORC code classification of the resource represents a major milestone for IronClad as the company proceeds towards mining at the Wilcherry Hill Project in 2011.



Ian D. Finch
Executive Chairman

Competent Persons

The following individuals take responsibility for the following information in this document:

- *Mr Mark Le Grange (MAusIMM) takes responsibility for the information relating to the data quality, geological interpretation and exploration data relating to the IronClad Resource Estimate. He is the chief geologist and full time employee of Trafford Resources Limited with more than 10 years of experience in the mining industry in Australia and South Africa.*
- *Mr Robin Simpson (MAIG) takes responsibility for the IronClad Resource Estimate. He is an independent consultant with SRK Consulting and is a geologist with more than 10 years experience relevant to the evaluation of Iron Ore deposits.*

Each of the above individuals have sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that he is undertaking to qualify as Competent Person as defined in the 2004 Edition of the Australasian Code for reporting of exploration results, Mineral Resources and Ore Reserves (“2004 JORC Code”) and consent to the publication of this information in the form and context in which it appears.

Appendix A

The Resource estimate was completed using the following parameters:

- The Resource Estimate Statement covers four deposit areas. The four deposit area, details are as follows:
 - Weednanna covers a 1,170m lateral extent from 6,373,390mN to 6,372,220mN (MGA94) and the vertical extent of the resource is 260m from surface at approximately 316mRL to 56mRL.
 - Ultima Dam East covers a 2,280m NW to SE lateral extent from 6,377,480mN to 6,375,200mN (MGA94) with a vertical extent of 190m from surface at approximately 290mRL to 100mRL.
 - Weednanna North covers a lateral extent of 1,280m from 6,374,600mN to 6,373,320mN (MGA94) with a vertical extent of 250m from surface at approximately 320mRL to 70mRL.
 - Ultima Dam West covers a lateral extent of 390m from 635,560mE to 635,950mE (total untested anomaly has a lateral extent of 2,400m) with a vertical extent of 150m from surface at approximately 300mRL to 150mRL.
- Drill holes used in the resource estimate included 251 holes for Weednanna (215 RC, 36 diamond core), 233 holes for Ultima Dam East (163 RC, 4 diamond core, 66 RAB & AC), 132 holes for Weednanna North (113 RC, 3 diamond core, 16 RAB) and 121 holes at Ultima Dam West (48 RC, 3 diamond core, 70 RAB) for a total of 69,740m within the resource wireframes. The full database contained records for 878 drill holes for 77,180m of drilling.
- Holes in the resource were drilled at section spacing of between 25m and 200m, but commonly at 25m.
- The majority of RC holes were sampled at 2m intervals (mid-2008 onwards). Historical RC holes and RC drilling from 2006 to mid-2008 were sampled at 1m intervals and converted to 2m composites. The sampling method involved collecting drill cuttings in pre-numbered calico bags from a rig mounted rotary cone splitter, while the remaining bulk material was collected to provide for further test work.
- Down hole geospatial surveying was conducted using both a north-seeking gyroscopic tool and a standard gyroscopic deviation tool for comparison.
- Collar surveys and topographic surveys were carried out using a differential GPS capable of 0.05m lateral and vertical accuracy using standard topographic survey techniques.
- Sample preparation and assay was carried out first by SGS Laboratories and later Amdel Laboratories in Adelaide, SA and Cardiff, NSW. Comprehensive assaying was routinely carried out using the XRF analytical method on a full suite of elements including Fe, Al₂O₃, SiO₂, CaO, MgO, K₂O, Na₂O, Mn, P, S, TiO₂, and three stage loss on ignition (LOI) at varying temperatures.
- Drill data and Quality Control practices for the recent drilling have been reviewed by SRK Consulting and have been verified as accurate and unbiased. It is the view of SRK Consulting that the base data used in the estimates has provided a robust and accurate resource.

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- Wireframes were constructed using cross sectional interpretations based on mineralised envelopes at nominal cut off grades of >15% Fe for the low grade mineralisation and >40% Fe for the high grade skarn mineralisation. Samples within the wireframes were composited to a best fit at intervals of 2.0m.
- A Surpac block model was used for the resource estimates with a block size of 12.5m x 12.5m x 4m vertical with sub-cells of 6.25m x 6.25m x 2m vertical for Weednanna and Weednanna North, and 25m x 25m x 4m with sub-blocking of 6.25m x 6.25m x 4m for Ultima Dam East and Ultima Dam West.
- Ordinary kriging was used for Grade Interpolation for each deposit. The 15% and 40% wireframes were used as hard boundaries and each shape was estimated separately, meaning blocks within a shape were only informed by composite within the same shape. The dimension and orientation of the ellipsoid were different for each deposit but all had the same orientation as the calculated variogram anisotropy for its respective deposit.
- The resource was classified as an Indicated and Inferred Mineral Resource, which was based largely on the kriging quality parameters, in particular the slope of regression. The Indicated portion of the resource included areas where drill spacing was less than 50m by 50m and lode continuity was good. The Inferred portion included areas where sampling occurred on sections greater than 50m by 50m (or 100m by 50m) and where isolated, poorly understood zones of mineralisation may have occurred. Approximately 70% falls within the Indicated portion of the resource.

Appendix B

- The target potential of 600 -700 Mt of Skarn Magnetite has been calculated from a combination of analyses of all historical (previous explorers) and exploration drilling by IronClad Mining during 2008.
- Estimation of the extent of probable in-ground resource potential of 40km of known strike length of magnetic anomalies throughout the total tenement area of 976 km². The current indicated and inferred resource shows that the Wilcherry Hill area has a potential in ground resource of 15 Mt skarn magnetite for every 1 Km strike length of magnetic anomaly.
- IronClad Mining acknowledges that the potential quantity and grade of the in-ground extension to the resource is conceptual in nature, that there has been insufficient exploration to define a Mineral Resource and that it is uncertain if further exploration will result in the determination of a Mineral Resource.