JUPITER MINES LIMITED ABN 51 105 991 740

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22nd April 2010

The Manager
Mr Greg Seeto

Company Announcements Office
Australian Stock Exchange Limited
Level 4, 20 Bridge Street
SYDNEY NSW 2000

Via Electronic Lodgement

Re: Re-Release - Quarterly Activities Report

In Attachment 2 (pages 11-13) upon transfer of results from the database the Head Sample results were inadvertently entered instead of the Concentrate Sample results (Davis Tube Recovery Product).

The Head and Davis Tube Recovery Product results have now been corrected in Attachment 2"

We have attached the revised Quarterly Activities and Cashflow Report previously released on April 21st.

Yours Sincerely,
Robert Benussi
Company Secretary & CFO

Postal Address: Jupiter Mines Limited, PO Box 447, West Perth, WA, 6872

ASX Release
21 April 2010

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Geoff Wedlock
Paul Murray
Andrew Bell
Priyank Thapliyal
Sun Moon Woo

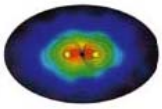
Greg Durack
Robert Benussi
Charles Guy

Issued Capital:
Shares: 369,786 471
Unlisted Opts: 12,100,000

ASX Symbol:
JMS

Currently Exploring for:
- Iron Ore
- Manganese

Jupiter Mines Limited
March 2010 Quarterly Report



Corporate
- Jupiter to acquire 49.9% stake in the world class Tshipi Kalahari Manganese Project in South Africa
- The Tshipi Project has a SAMREC compliant total Mineral Resource of 163 M Tonnes at 37% Mn
- Cash position of $8.196 M
- Value of marketable securities $10.648M

Central Yilgarn Iron Project
- Initial metallurgical test work completed on the magnetite intersections at Mt Ida
- Magnetite concentrate grades produced varied from 56% to 71% Fe, weight recoveries high averaging at 41%
- RC drilling campaign completed at Mt Alfred totalling 1195 metres testing gravity targets
- Magnetite BIF's were intersected at Mt Alfred

Oakover Manganese Project
- Access track installed to priority areas identified from VTEM survey
- Final Heritage surveys completed over priority anomalous areas
- Planning to complete first drill program in May and June

Overview
During the March 2010 Quarter, Jupiter Mines Limited (ASX:JMS) completed an RC drill program at Mt Alfred in its Central Yilgarn Iron Project testing geophysical gravity targets. Whilst the program did not generate any significant intersections of DSO hematite, a number of holes did intersect magnetite BIF's.

From the RC drill campaign completed at Mt Ida in the December quarter, composites were prepared from both the oxide and fresh magnetite intersections and subjected to Davis Tube Recovery (DTR) metallurgical Testwork. The fresh material produced concentrate grades varying from 56% to 71% Fe, with weight recoveries averaging 41%.

On the Oakover Manganese Project, an access track was installed to the priority anomalous areas, with the balance of the Heritage Survey over this area also being completed during the quarter. A Program of Works for a drill program has been approved, with an initial RC drill program planned to be completed in the June Quarter.

On the Corporate front, on March 1, Jupiter announced a transformational deal with the intent to acquire a 49.9% stake in the world class Tshipi Kalahari Manganese Project in South Africa.

The Tshipi Project has a SAMREC compliant total Mineral Resource of 163 M tonnes at 37% and will significantly accelerate Jupiter's Steel Feed Corporation Strategy.

At the end of the Quarter the Company had a cash balance of $8.196 M

CENTRAL YILGARN IRON PROJECT (CYIP)

Mt Mason (M29/408), Mt Ida (E29/560), Mt Hope (E30/296), Walling Rock (E30/326) and Mt Alfred (E29/581) are all located in the Central Yilgarn - see figure 1.

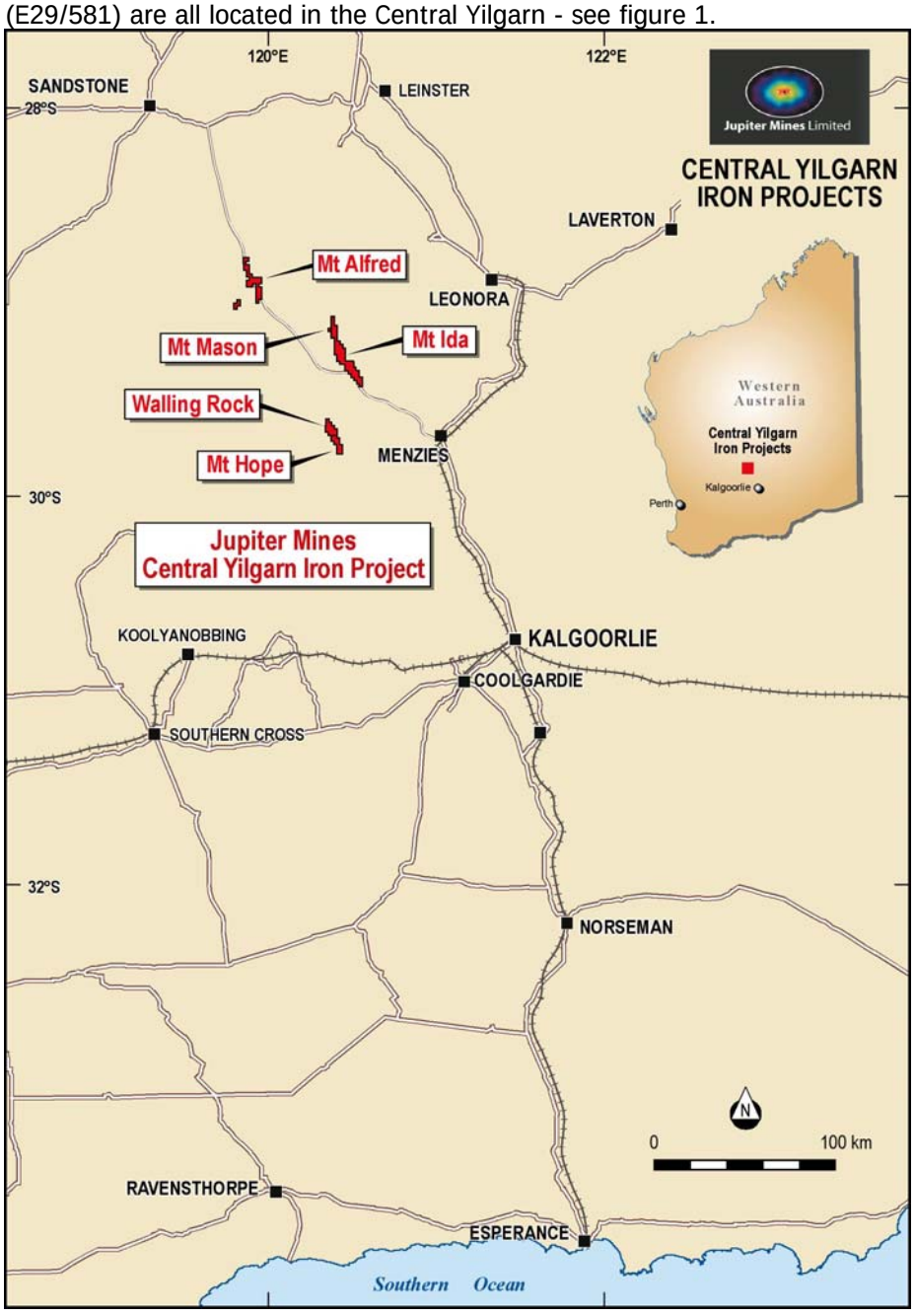


Figure 1 - Central Yilgarn Iron Project Location Map

The main focus in the CYIP this Quarter has been the Mt Ida Magnetite Project and the first drill campaign at Mt Alfred.

Mt Ida

In November 2009, a RC drill program was completed totalling 2101 metres with the objective to test both DSO hematite and magnetite anomalies interpreted from aeromagnetic and gravity data (Attachment 1). Whilst the program did not generate any significant intersections of DSO hematite, every drill hole intersected magnetite.

The result is considered significant given that DSO targets were drilled into magnetic lows. Mt Ida has continued to demonstrate significant magnetite potential, which Jupiter intends to further evaluate to progress this project.

From all the RC drilling and mapping conducted at Mt Ida, Jupiter commissioned BM Geological Services to prepare a conceptual exploration target for magnetite. The target was subsequently estimated to be between 1,000 and 1,100 million tonnes at an expected grade between 30 to 40% Fe.

Table 1 below shows the target tonnage of the Mt Ida Project. The estimate is conceptual in nature and is not an indication of a mineral resource built in line with the guidelines of JORC 2004.

Table 1 – Global Iron Mineralisation

Anomaly	Height of Estimate (m)	Length (m)	Depth (m)	Volume (000m³)	SG	Tonnes (Mt)
Mt Ida	50-250	7500	200	383,000	3.3	1,260

Conceptual Target Statement

Mr Darryl Mapleson who is a member of the Australasian Institute of Mining and Metallurgy has compiled the information within this report that relates to mineralisation. Mr Mapleson has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity currently being undertaken 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 and consents to the inclusion of this information in the form and context in which it appears in this report.

During the March Quarter, Davis Tube Recovery (DTR) test work was completed on all the fourteen holes drilled in the last campaign. Ten metre composites were prepared on both the oxide and fresh material, it is noted the oxide profile varies from 0 to 50 metres in depth and is not included in generating the conceptual target resource for Mt Ida. All the DTR test work was performed by AMDEL Mineral Laboratories on an initial coarse target grind size of 98% passing 63 micron, composite results are summarised in Attachment 2.

Davis Tube testing is used to separate ferromagnetic and non-magnetic fractions in small samples of approximately 20g at a time. This method is ideally suited to establishing the recoveries likely from a magnetic separation process.

The DTR results for the fresh material, considering the coarse grind size gave an excellent weight recovery of 41% with the lowest and highest concentrate grades being 56.7% and 71.1% Fe respectively.

Considering that the objective of the drill program was to test both DSO hematite and magnetite anomalies, whilst the program did not generate any significant intersections of DSO hematite, every drill hole intersected magnetite. With the DSO hematite targets being magnetic lows, it was not expected to intersect significant magnetite; nevertheless composites from all the drill holes were subjected to DTR Testwork. The fresh material iron concentrate grades varied considerably, with an inverse relationship with silica content. With a wide spread in the iron concentrate grades this is attributable to the primary drill targeting of DSO hematite, in magnetic lows. Nevertheless, there were in most cases excellent concentrate grades produced in the 68% to 71% Fe range, with correspondingly low silica levels.

Jupiter plans to advance the Mt Ida Magnetite Project, with the next drill program targeting the magnetic highs which will improve the overall average concentrate iron grade and quality.

Exploration Manager: Charles William Guy Competent Person

The information in this announcement that relates to Exploration Results is based on information compiled by Mr Charles William Guy who is a Member of the Australian Institute of Geoscientists and a full- time employee of Jupiter Mines Limited. Charles William Guy has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Charles William Guy consents to the inclusion in the announcement of the matters based on his information in the form and context in which it appears Charles William Guy holds the position of Exploration Manager with Jupiter Mines Limited.

The potential quantity and grade of the Mt Ida Project is conceptual in nature and there has been insufficient drilling to define a Mineral Resource and it is uncertain if further exploration will result in the determination of a Mineral Resource.

Mt Alfred Drilling Program

The Mt Alfred project area is located approximately 140 km from Menzies and 45 Km from Mt Mason. Mt Alfred contains the Brooking Hills Line of BIF and abuts the Mindax tenement holdings to the north, and Cliff Natural Resources. Mt Richardson Project to the east (figure 2)

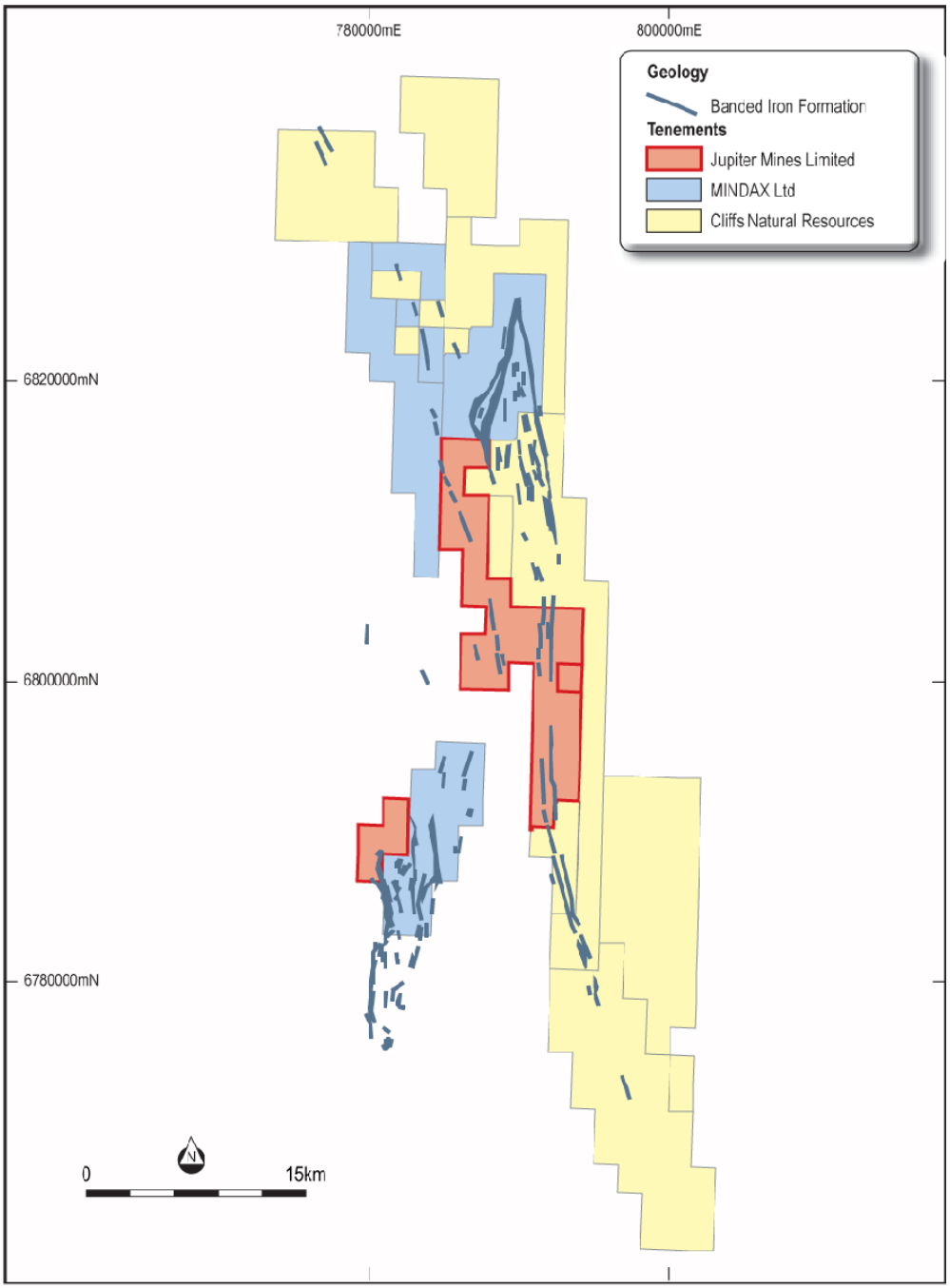


Figure 2 - Tenement Holdings Mt Alfred Region

During the March Quarter Jupiter completed an 11 hole RC drill program at Mt Alfred for a total of 1195 metres.

The drill program was designed to test gravity highs (Attachment 3), which have the potential to generate DSO hematite, the drill program however intercepted magnetite BIF units of varying down hole intercept widths from a few metres to over 136m. The best down hole intercepts were from hole MA 11 (56m@ 32% Fe from 6m) and MA2 (136m @ 33% Fe from 28m). The results are summarized in Attachment 4.

Drilling confirmed that magnetite BIF persisted at depth, that the iron grade is generally between 25-35% Fe with peak values of 54.2% Fe (MA 16 34-35m down hole depth).

The geology of the Mt Alfred tenement is dominated by Achaean greenstone belts (the Illaara belt to the east and the Mt Marmion belt to the west) and constitutes an inter-layered metamorphosed sequence of greywacke sediments, BIF, basic and acid volcanic rocks, together with coarse-grained basic and ultramafic intrusive rocks.

The BIF units are present in the eastern and far northern portion of the project, striking roughly north south, forming a prominent ridge line. The BIF units are reportedly between 2m to 100m wide, dipping from 70° east to near vertical and cover some 14 km of strike length within the licence. The BIF units are covered by alluvial sediments along the eastern margin of Lake Barlee. The BIF alternates between iron rich units (magnetite/haematite/goethite) and siliceous units (Chert).

Mt Alfred's first pass drill program has generated encouraging results. Further exploration activities will be focused on the northern part of the tenements.

OAKOVER MANGANESE PROJECT

During the March Quarter at Oakover, Jupiter conducted a follow-up Heritage Survey with the Njamal people and Heritage offices from the Yamatji Marlpa Aboriginal on areas that weren't covered in November last year.

This will complete the clearances over the two priority areas, C11 and C12 identified from the VTEM survey, (Attachment 5). An access track has been constructed to this area in order to complete the first phase of an RC drill program in the June Quarter.

Also during the Quarter, Jupiter applied for two non-contiguous exploration licences (E46/864 and E46/888) totalling 220 km² approximately 100km south of the Oakover Manganese Project (Attachment 6). Jupiter has also applied for three other tenements in the area, however they are subject to a Ballot process. These applications cover prospective stratigraphy including the Pinjian Chert and Carawine Dolomite, and are south and adjacent to the Woodie Woodie Manganese Project tenement group.

CORPORATE

Tshipi Kalahari Manganese Project

Jupiter announced on March 1 2010 that it was in the advanced stages of negotiating binding agreements that will accelerate its steel feed strategy with the proposed acquisition of 49.9% of the Tshipi Kalahari Manganese Project ("Tshipi Project") in South Africa, from a group of investors including Pallinghurst Resources Limited (the "Pallinghurst Co-Investors") ("The Tshipi Transaction"). The Tshipi Transaction which is subject to certain conditions precedent, including finalising a share sale agreement between Jupiter and the Pallinghurst Co-Investors, shareholder, FIRB and other regulatory approvals, is expected to transform Jupiter into a significant manganese and iron ore explorer and developer.

Under the terms of the proposed Tshipi Transaction, Jupiter will issue 1,160,363,867 new shares to the Pallinghurst Co-Investors at a price of 21.10 c/share (based on the 30 day VWAP of Jupiter shares prior to this announcement, implying a value of approximately AUD 490 million for the Tshipi Project. Jupiter's proposed acquisition of 49.9% of the Tshipi Project has an implied value of AUD 245 million. Along with this sizable project, this transaction also delivers onto Jupiter's register a number of International strategic shareholders who endorse Jupiter's SFC strategy and have the necessary financial resources to back that strategy: AMCI, Midstream & Resources and Investec. Pallinghurst Resources' founder and Chairman Brian Gilbertson will join Jupiter's Board as Non-Executive Director at the closing of this transaction.

The Tshipi Transaction is subject to conditions precedent, including:

1. The satisfactory completion of an Independent Expert Report, technical asset evaluation and legal due diligence investigation, all of which have commenced;
2. The formalisation of comprehensive agreements including (but not limited to) share sale agreement and shareholder agreements between the relevant parties;
3. The approval of the Tshipi Transaction by Jupiter shareholders, at an Extraordinary General Meeting, and by Ntsimbintle shareholders; and
4. The approval of applicable regulatory and statutory bodies (including but not limited to FIRB) as required.

The Tshipi Project is 100% held by Tshipi é Ntle Manganese Mining (Proprietary) Limited ("Tshipi é Ntle") whose current shareholders comprise Ntsimbintle (50.1%) and the Pallinghurst Co-Investors (49.9%).

The Tshipi Project is located in the Kalahari basin, on of the largest manganese regions in the world. The Tshipi Project is located adjacent to the Mamatwan mine, owned and operated by Samancor Manganese (Proprietary) Limited's subsidiary Hotazel Manganese Mines (Proprietary) Limited, which is majority owned by BHP Billiton. The Project will mine the ore body which is contiguous to, and a direct extension of, the Mamatwan ore body that has been mined for over 45 years and currently produces about 3 million tonnes per annum of manganese ore.

During 2008 and 2009, Tshipi é Ntle carried out a comprehensive drilling campaign which was the basis for the completion of a feasibility study. A Mineral Resource estimate has been prepared for the Tshipi Kalahari Manganese Project which is compliant with the South African Code for the Reporting of Exploration Results, Mineral Resources and Mineral Reserves ("the SAMREC Code (2007")).

The Mineral Resource estimate totals 163.23 million tonnes at 37.1% Mn (Table 2) with significant potential for additional resources beyond the currently defined levels. The technical due diligence process, to be undertaken as a condition precedent to the Tshipi Transaction, will independently review this mineral resource estimate and furthermore the SAMREC Mineral Resources will, in due course be restated in compliance with the JORC Code.

Table 2 – Tshipi Kalahari Manganese Project – Mineral Resource Estimate

Deposit	Indicated		Inferred		Total (Indicated and Inferred)	
	Million Tonnes	% Mn	Million Tonnes	% Mn	**Million Tonnes**	**% Mn**
Zone M	22.69	37.95	39.64	37.87	62.33	37.90
Zone C	22.95	36.68	40.61	37.01	63.56	36.89
Zone N	12.83	36.67	20.73	35.98	33.56	36.25
Altered	3.35	35.35	0.43	31.41	3.78	34.90
Total	**61.82**	**37.07**	**101.41**	**37.11**	**163.23**	**37.10**

Mineral Resource Estimate

D R Young
BSc Honours, Chelsea College, London University (1974). Fellow of the Geoliogical Society of South African (FGSSA). Member of South African Institute of Mining and Metallurgy (MSAIMM). Fellow of the Australasian institute of Mining and Metallurgy (FAusIMM). South African Council for Natural Scientific Professions (Pr Sci Nat 400989/83). 35 years experience in the minerals industry as a geologist conducting Mineral Resource evaluations and valuation throughout the world in numerous commodities including manganese in the Kalahari Manganese Field.

S R Q Nupen
BSc Hons (Geology) UCT (1999) South African Council for Natural Scientific Professions (Pr Sci Nat 400174/07) Member of the Geological Society of South Africa (MGSSA) 9 years experience in exploration, orebody modelling, and Mineral Resource evaluation including platinum, gold and manganese in the Kalahari Manganese Field, uranium and iron ore.

The Mineral Corporation, a South African based geological and mining advisory company, prepared the mineral resource estimate.

Tshipi é Ntle's Feasibility study indicated the viability of an open cut mining operation that is expected to produce approximately 2 million tonnes per annum of lumpy product over 28 years, utilising 62 million tonnes of the 163 million tonnes Mineral Resource estimate.

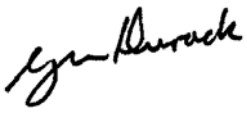
Based upon the feasibility study, approximately US$200 million of capital expenditure would be required to develop the Project. Jupiter's share of that will be approximately US$100 million. It is anticipated that, upon reaching a steady state production rate, the Project will be a lowest cost quartile producer. It is anticipated that the development of the mine will commence in 2010 with the aim to be in production no later than early 2013. A fast tracked mine development schedule is under investigation and could result in earlier market entry outcomes.

The Tshipi Project is expected to become the next major South African high grade manganese ore producer.

Cash Position

At the end of the Quarter the Company had a cash balance of $8.196 M and at Quarterly release date holds marketable securities to the value of $10.648M.

Yours Faithfully
Jupiter Mines Limited



Greg Durack
Chief Executive Officer

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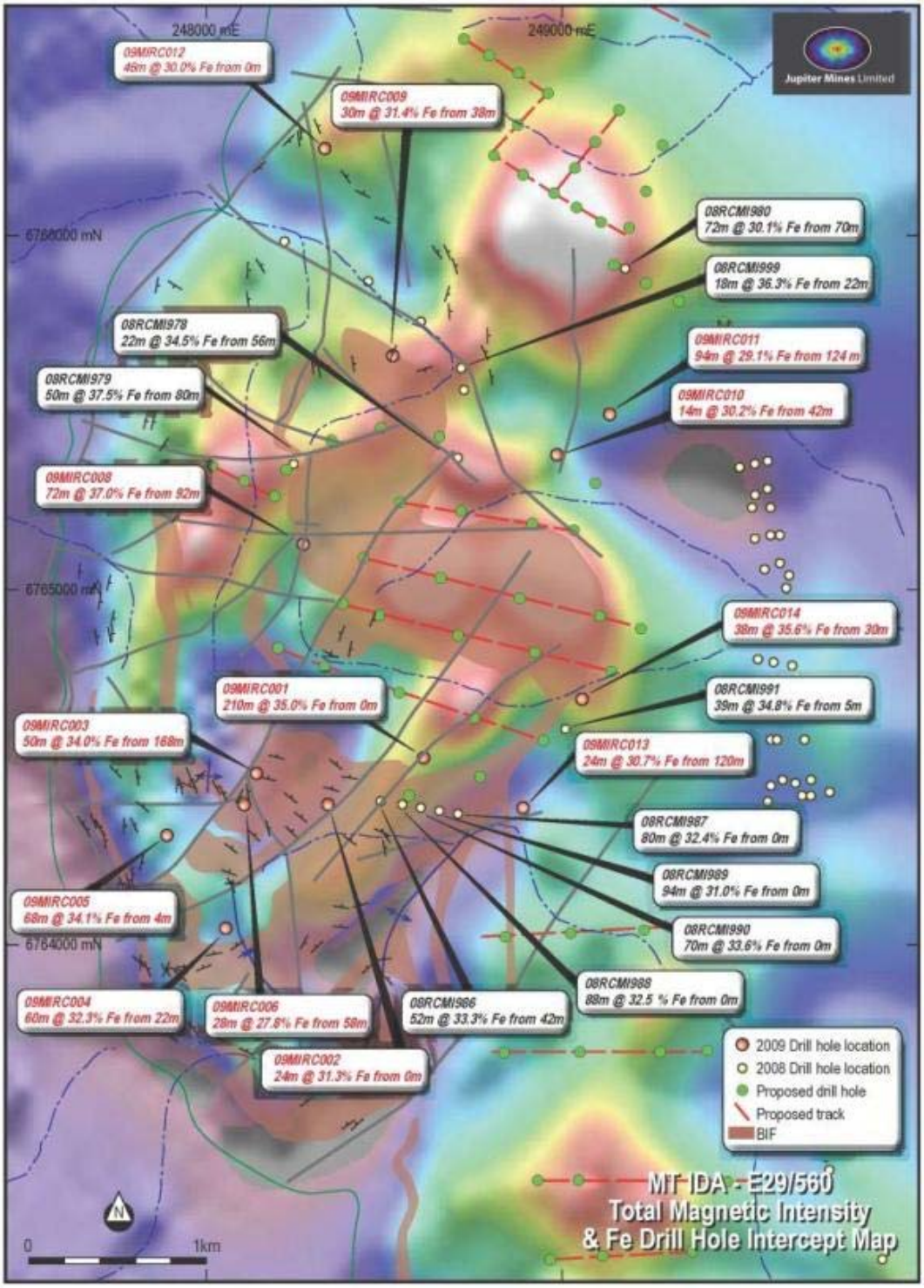


Attachment 1 – Mt Ida Magnetic Intensity & Fe Drill Hole Intercept Map

				Head	DAVIS TUBE RECOVERY PRODUCT					
Hole ID	From	To	Sample No	Fe %	Fe%	Si02%	Al203 %	P%	S%	Recovery %
09MIRC001	60	70	18001070	36.00	70.17	2.74	0.02	0.004	0.004	46.43
09MIRC001	70	80	18001080	35.06	70.69	2.09	0.02	0.003	0.003	46.43
09MIRC001	80	90	18001090	32.69	70.57	2.45	0.02	0.006	0.004	43.98
09MIRC001	90	100	18001100	33.36	71.00	1.60	0.02	0.005	0.002	41.27
09MIRC001	100	110	18001110	35.32	70.42	2.41	0.02	0.005	0.002	43.81
09MIRC001	110	120	18001120	30.50	71.02	1.67	0.02	0.006	0.002	39.90
09MIRC001	120	130	18001130	35.29	70.63	2.19	< 0.01	0.006	0.004	44.13
09MIRC001	130	140	18001140	36.25	71.23	1.44	< 0.01	0.007	0.002	48.35
09MIRC001	140	150	18001150	28.07	66.50	7.28	0.05	0.010	0.001	36.60
09MIRC001	150	160	18001160	35.71	68.38	5.12	< 0.01	0.007	0.001	47.45
09MIRC001	160	170	18001170	38.65	71.37	1.22	0.02	0.005	0.001	43.51
09MIRC001	170	180	18001180	38.64	71.73	0.83	< 0.01	0.004	0.001	43.95
09MIRC001	180	190	18001190	37.85	71.40	0.99	0.02	0.005	0.004	41.72
09MIRC001	190	200	18001200	34.01	70.64	2.02	< 0.01	0.005	0.010	41.65
09MIRC001	200	210	18001210	34.06	70.48	2.55	< 0.01	0.007	0.007	44.36
09MIRC003	68	80	18003080	37.49	70.10	1.83	0.01	0.006	0.001	39.36
09MIRC003	80	90	18003090	40.37	69.25	2.46	0.08	0.013	< 0.001	32.55
09MIRC003	108	120	18003120	34.50	70.52	2.33	< 0.01	0.007	0.002	44.96
09MIRC003	120	126	18003126	40.09	66.33	8.01	< 0.01	0.011	< 0.001	49.68
09MIRC003	168	180	18003180	36.53	68.56	4.80	< 0.01	0.009	0.002	45.64
09MIRC003	180	190	18003190	37.47	69.00	4.33	< 0.01	0.005	0.004	51.00
09MIRC003	190	200	18003200	34.85	70.34	2.57	< 0.01	0.005	0.001	45.73
09MIRC003	200	210	18003210	33.21	70.63	2.01	< 0.01	0.005	0.003	42.95
09MIRC003	210	218	18003218	30.62	67.09	6.86	0.02	0.017	0.021	39.85
09MIRC004	30	40	18004040	38.09	69.33	2.64	< 0.01	0.011	0.002	28.53
09MIRC004	40	50	18004050	35.60	68.00	4.21	< 0.01	0.010	0.004	40.24
09MIRC004	50	60	18004060	34.56	68.66	3.20	< 0.01	0.014	0.002	33.72
09MIRC004	60	70	18004070	34.77	69.83	2.67	< 0.01	0.009	0.004	38.53
09MIRC004	70	82	18004082	25.82	63.70	10.80	0.03	0.018	0.246	30.57
09MIRC005	45	50	18005050	30.06	61.12	12.06	0.05	0.024	0.021	6.24
09MIRC005	50	60	18005060	35.88	68.82	2.88	0.01	0.012	0.002	28.34
09MIRC005	60	72	18005072	30.10	63.22	10.12	0.03	0.019	0.003	20.85
09MIRC006	81	86	18006086	25.72	63.72	10.89	0.06	0.012	0.003	31.89
09MIRC007	36	46	18007046	20.72	62.86	12.07	0.19	0.011	0.022	21.30
09MIRC008	70	78	18008078	34.34	65.84	8.16	0.08	0.007	0.010	44.30
09MIRC008	92	100	18008100	43.05	71.12	1.34	0.05	0.006	0.009	48.48
09MIRC008	100	110	18008110	42.68	70.11	2.61	< 0.01	0.006	0.002	45.58
09MIRC008	110	120	18008120	37.89	70.57	2.00	< 0.01	0.006	0.002	48.05
09MIRC008	120	130	18008130	39.79	69.41	3.24	< 0.01	0.008	0.004	46.05
09MIRC008	130	140	18008140	39.05	69.36	3.32	< 0.01	0.008	0.004	47.18

Attachment 2 – Mt Ida Fresh Composites

Continued

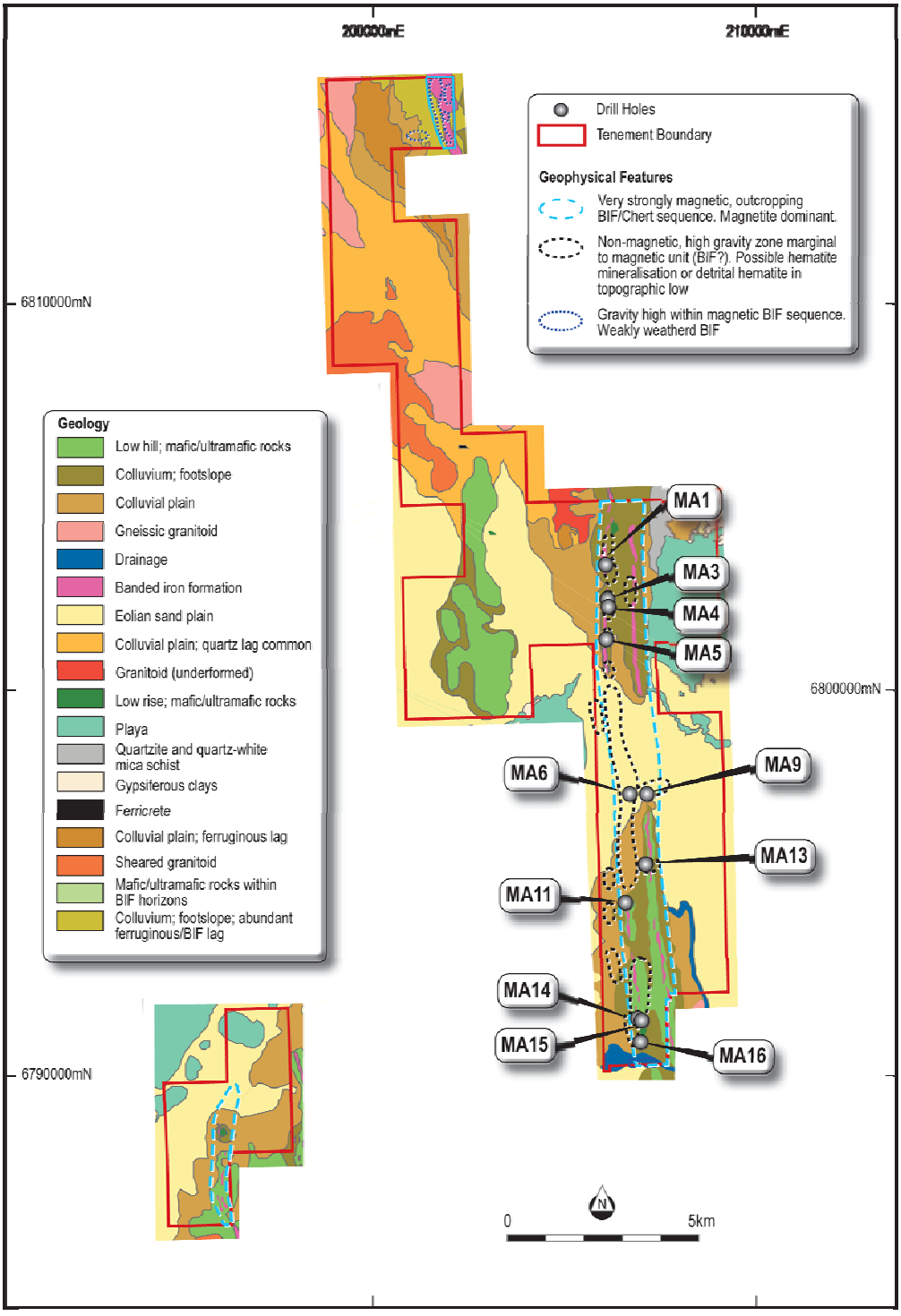
				Head	DAVIS TUBE RECOVERY PRODUCT					
Hole ID	**From**	**To**	**Sample No**	**Fe %**	**Fe%**	**Si02%**	**Al203%**	**P%**	**S%**	**Recovery%**
09MIRC008	140	150	18008150	26.63	69.66	2.82	0.08	0.007	0.003	29.15
09MIRC008	150	160	18008160	38.70	71.02	1.47	< 0.01	0.007	0.004	42.56
09MIRC008	160	164	18008170	29.37	67.79	5.76	0.06	0.016	< 0.001	25.75
09MIRC009	38	50	18009050	33.44	58.93	17.47	0.01	0.021	0.009	50.87
09MIRC009	50	60	18009060	33.07	61.36	14.56	< 0.01	0.019	0.008	49.70
09MIRC009	60	68	18009068	27.89	62.28	12.87	0.04	0.024	0.242	38.56
09MIRC010	42	50	18010050	29.31	66.18	7.69	0.05	0.010	0.019	35.10
09MIRC010	50	56	18010056	33.63	68.43	4.91	0.02	0.009	0.009	44.95
09MIRC011	40	50	18011050	39.35	65.89	8.05	0.03	0.010	0.016	53.50
09MIRC011	50	60	18011060	36.16	63.47	11.56	0.02	0.012	0.003	51.40
09MIRC011	60	70	18011070	29.77	66.13	8.18	0.04	0.012	0.048	39.31
09MIRC011	76	80	18011080	21.50	67.38	6.32	0.07	0.009	0.023	22.69
09MIRC011	80	90	18011090	35.55	65.31	9.14	< 0.01	0.013	0.006	50.50
09MIRC011	90	100	18011100	25.66	62.98	12.04	0.06	0.019	0.028	31.91
09MIRC011	100	108	18011080	21.87	61.20	13.75	0.07	0.025	1.240	26.84
09MIRC011	124	130	18011130	27.23	65.35	8.19	0.03	0.025	1.010	33.92
09MIRC011	130	140	18011140	26.59	59.46	16.19	0.06	0.028	0.586	36.78
09MIRC011	140	150	18011150	30.58	56.74	19.70	0.05	0.029	0.085	47.61
09MIRC011	150	160	18011160	33.36	53.99	23.59	< 0.01	0.032	0.197	56.97
09MIRC011	160	170	18011170	25.13	61.96	10.91	0.10	0.029	4.340	16.84
09MIRC011	170	180	18011180	29.31	59.46	15.41	0.08	0.023	2.170	36.71
09MIRC011	180	190	18011190	32.43	59.27	16.02	< 0.01	0.024	1.510	44.74
09MIRC011	190	200	18011200	34.28	60.03	16.12	< 0.01	0.023	0.122	53.34
09MIRC011	200	210	18011210	31.98	61.13	14.27	0.02	0.022	0.594	46.65
09MIRC011	210	218	18011218	26.60	63.08	11.52	0.07	0.026	0.250	32.98
09MIRC012	40	46	18012046	34.42	57.73	16.99	0.04	0.037	0.008	19.02
09MIRC012	92	100	18012100	36.78	64.45	10.22	< 0.01	0.012	0.003	48.43
09MIRC012	100	110	18012110	34.26	62.16	13.50	< 0.01	0.014	0.012	51.50
09MIRC012	110	120	18012120	34.39	65.42	9.17	< 0.01	0.015	0.004	49.38
09MIRC012	120	126	18012126	28.55	66.49	7.50	0.05	0.016	0.039	36.19
09MIRC013	120	130	18013130	34.57	63.39	11.83	< 0.01	0.016	0.003	50.50
09MIRC013	130	140	18013140	28.96	58.06	18.77	0.06	0.036	0.298	42.46
09MIRC013	140	144	18013144	26.21	60.64	14.89	0.06	0.030	0.315	34.70
09MIRC014	38	48	18014048	40.29	69.45	2.45	< 0.01	0.009	0.006	46.13
09MIRC014	48	58	18014058	36.13	71.03	1.36	0.02	0.007	0.010	44.67
09MIRC014	58	68	18014068	37.90	69.88	3.14	0.01	0.006	0.009	49.13
09MIRC014	88	96	18014096	22.12	63.63	11.20	0.05	0.016	0.097	24.15
09MIRC014	96	102	18014102	36.34	61.70	13.75	0.01	0.014	0.002	54.95
09MIRC014	114	124	18014124	35.35	68.19	5.14	< 0.01	0.007	0.038	48.53
09MIRC014	124	134	18014134	32.60	69.45	2.87	< 0.01	0.007	1.150	41.82
09MIRC014	134	144	18014144	34.63	60.09	16.13	0.01	0.021	0.112	53.47

Mt Ida Fresh Composites

Attachment 2 continued

				Head	DAVIS TUBE RECOVERY PRODUCT					
Hole ID	From	To	Sample No	Fe %	Fe%	Si02%	Al203 %	P%	S%	Recovery %
09MIRC001	0	10	18001010	35.29	61.58	11.18	0.10	IS	IS	1.10
09MIRC001	10	20	18001020	36.58	67.74	8.83	0.03	IS	IS	1.19
09MIRC001	20	30	18001030	32.71	IS	IS	IS	IS	IS	0.25
09MIRC001	30	40	18001040	37.3	67.52	5.03	< 0.01	0.021	0.004	12.68
09MIRC001	40	50	18001050	37.13	70.17	1.44	< 0.01	0.016	0.005	14.14
09MIRC001	50	58	18001058	38.27	70.17	1.75	< 0.01	0.009	0.005	27.48
09MIRC002	0	10	18002010	19.82	67.38	3.20	0.09	0.010	0.022	2.55
09MIRC002	10	20	18002020	36.63	68.9	1.44	0.02	0.017	0.007	5.24
09MIRC002	20	24	18002024	34.65	IS	IS	IS	IS	IS	0.59
09MIRC003	0	10	18003010	35.11	67.41	2.30	0.30	0.019	0.013	5.40
09MIRC003	10	20	18003020	20.78	67.62	2.99	0.13	0.026	0.020	2.56
09MIRC003	20	30	18003030	24.37	60.54	12.82	0.14	0.043	0.057	1.47
09MIRC003	30	34	18003034	7.81	IS	IS	IS	IS	IS	0.02
09MIRC004	22	30	18004030	27.52	61.72	10.36	0.03	0.026	0.012	9.05
09MIRC005	4	10	18005010	37.99	60.71	13.74	0.03	0.018	0.003	28.25
09MIRC005	10	20	18005020	36.6	64.56	9.07	0.02	0.019	0.002	23.33
09MIRC005	20	30	18005030	37.06	69.14	2.71	0.01	0.019	0.001	27.21
09MIRC005	30	40	18005040	36.52	69.06	2.72	0.01	0.016	0.002	31.11
09MIRC005	40	45	18005045	34.03	68.96	2.79	0.01	0.014	0.001	25.07
09MIRC006	0	10	18006010	26.2	60.66	12.38	0.44	0.038	0.019	2.73
09MIRC006	10	20	18006020	31.74	63.52	9.10	0.11	0.038	0.011	13.44
09MIRC006	20	24	18006024	30.63	IS	IS	IS	IS	IS	0.07
09MIRC006	44	52	18006052	20.77	IS	IS	IS	IS	IS	0.32
09MIRC006	58	70	18006070	24.62	67.55	3.64	0.07	0.010	0.001	7.84
09MIRC006	70	81	18006081	36.92	64.14	9.19	0.03	0.016	0.002	21.68
09MIRC007	0	10	18007010	22.14	67.32	3.54	0.34	0.012	0.017	5.64
09MIRC007	10	20	18007020	36.45	67.95	2.90	0.03	0.012	0.019	2.98
09MIRC007	20	30	18007030	36.6	65.29	6.04	0.06	0.015	0.006	11.44
09MIRC007	30	36	18007036	19.29	69.45	2.18	0.06	0.007	0.002	9.09
09MIRC008	2	12	18008012	34.27	64.24	8.09	0.07	0.018	0.008	14.94
09MIRC009	0	8	18009008	37.93	60.76	10.84	0.38	0.039	0.118	1.05
09MIRC009	8	14	18009014	31.38	50.16	26.09	0.30	0.040	0.067	1.55
09MIRC012	0	10	18012010	21.21	64.03	7.56	0.22	0.025	0.055	1.92
09MIRC012	10	20	18012020	24.12	63.26	8.59	0.10	0.017	0.019	2.90
09MIRC012	20	30	18012030	40.9	67.31	4.04	0.01	0.022	0.006	8.39
09MIRC012	30	40	18012040	25.38	65.56	6.54	0.32	0.026	0.008	3.75
09MIRC013	36	46	18013046	33.45	67.58	4.18	0.06	0.034	0.002	14.84
09MIRC013	46	56	18013056	32.39	58.21	16.89	0.04	0.040	0.009	14.62
09MIRC014	30	38	18014038	34.19	66.7	4.76	0.02	0.011	0.002	22.68

Mt Ida Oxide Composites



Attachment 3 - Mt Alfred Drill Hole Location Plan

Attachment 4

The potential quantity and grade of the any potential resource at Mt Alfred are conceptual in nature and are for exploration purposes only. There has been insufficient exploration and valuation to define a mineral resource and it is uncertain if future exploration will result in the determination of a mineral resource.

Mt Alfred RC Drill Program Drill Highlights

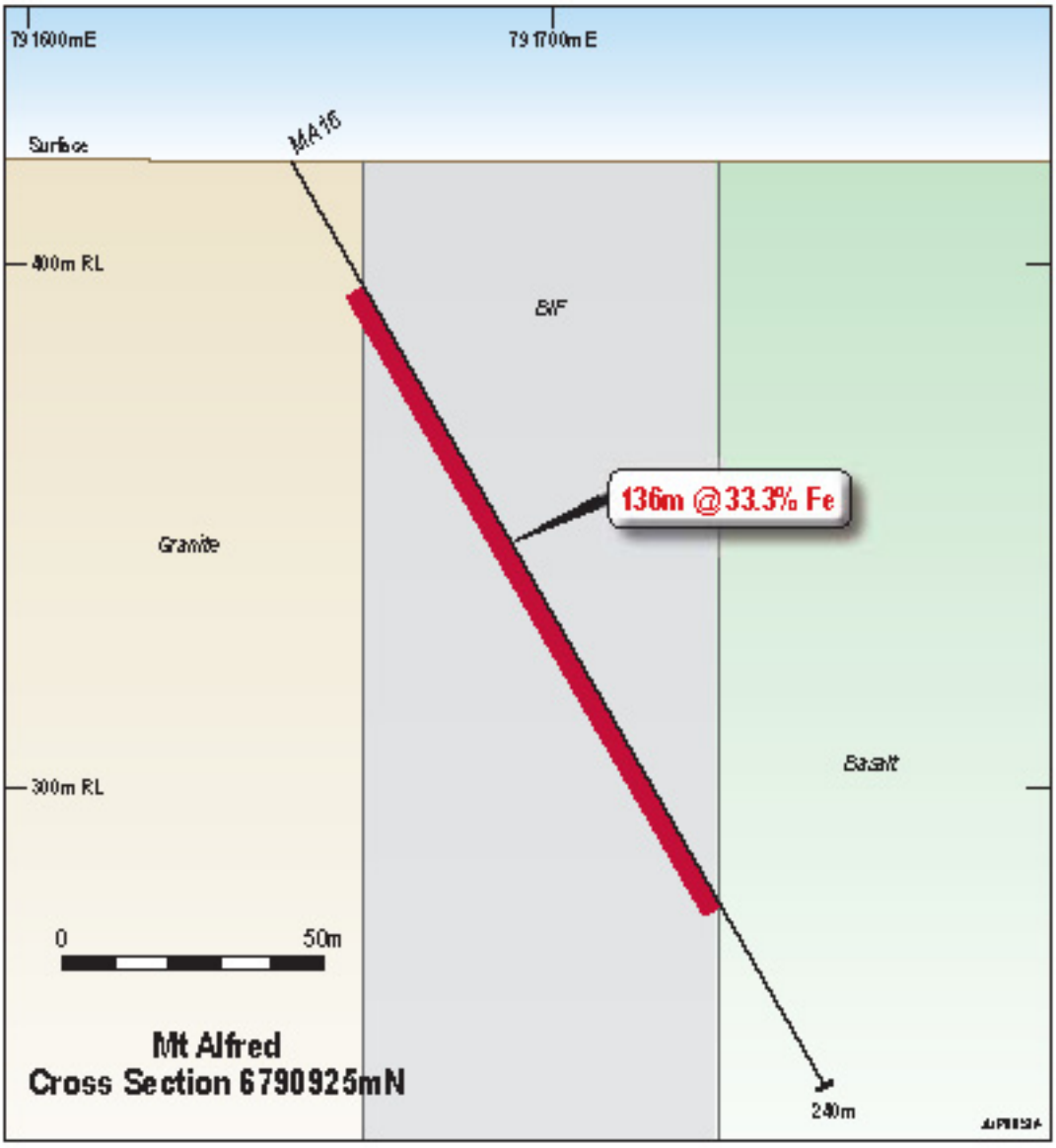
Hole	From	To	Intercept length	Fe	$A1_20_3$	CaO	MgO	P	S	$Si0_2$	L011000
MA2	88	126	38	35.88	0.63	7.55	7.47	0.05	0.080	15.03	16.897
MA3	80	96	16	31.27	1.22	0.048	0.30	0.032	0.019	50.52	2.107
MA3	112	136	24	30.92	1.63	1.46	3.19	0.042	0.262	41.45	5.725
MA5	36	58	22	34.08	0.34	0.019	0.107	0.032	0.023	48.00	2.224
MA6	No Significant Mineralisation										
MA9	No Significant Mineralisation										
MA11	6	62	56	32.06	5.22	0.37	0.58	0.029	0.048	41.42	5.597
MA13	96	118	22	36.79	0.543	0.037	0.22	0.037	0.034	42.89	2.741
MA14	16										
MA15	No significant Mineralisation										
MA16	28	164	136	33.37	0.77	1.24	2.23	0.044	0.116	46.09	1.144
		TOTAL	360	32.72							

Note: weighted average with 29% Fe CUT OFF GRADE and 4m of dilution

Mt Alfred Drill Hole Co-ordinates

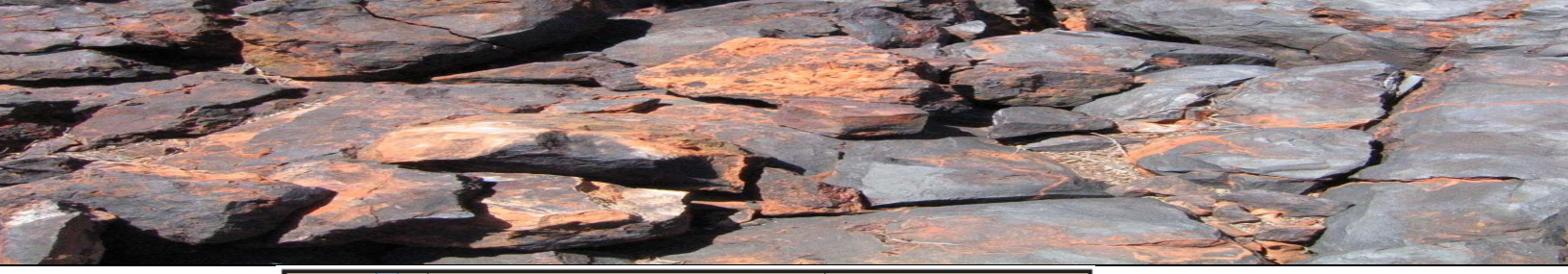
Hole ID	Eastings	Northings	Depth	Dip	Azimuth
MA2	791410	6803300	144	-60	270
MA3	791430	6802385	137	-60	270
MA4	791440	6802200	96	-60	270
MA5	791320	6801350	108	-60	270
MA6	791720	679734	24	-90	0
MA9	792140	6797330	54	-90	0
MA11	791459	6794535	138	-60	90
MA13	792061	6795510	108	-60	90
MA14	791630	6791470	100	-60	90
MA15	791685	6791470	84	-60	90
MA16	791650	6790925	204	-60	90
TOTAL			**1197m**		

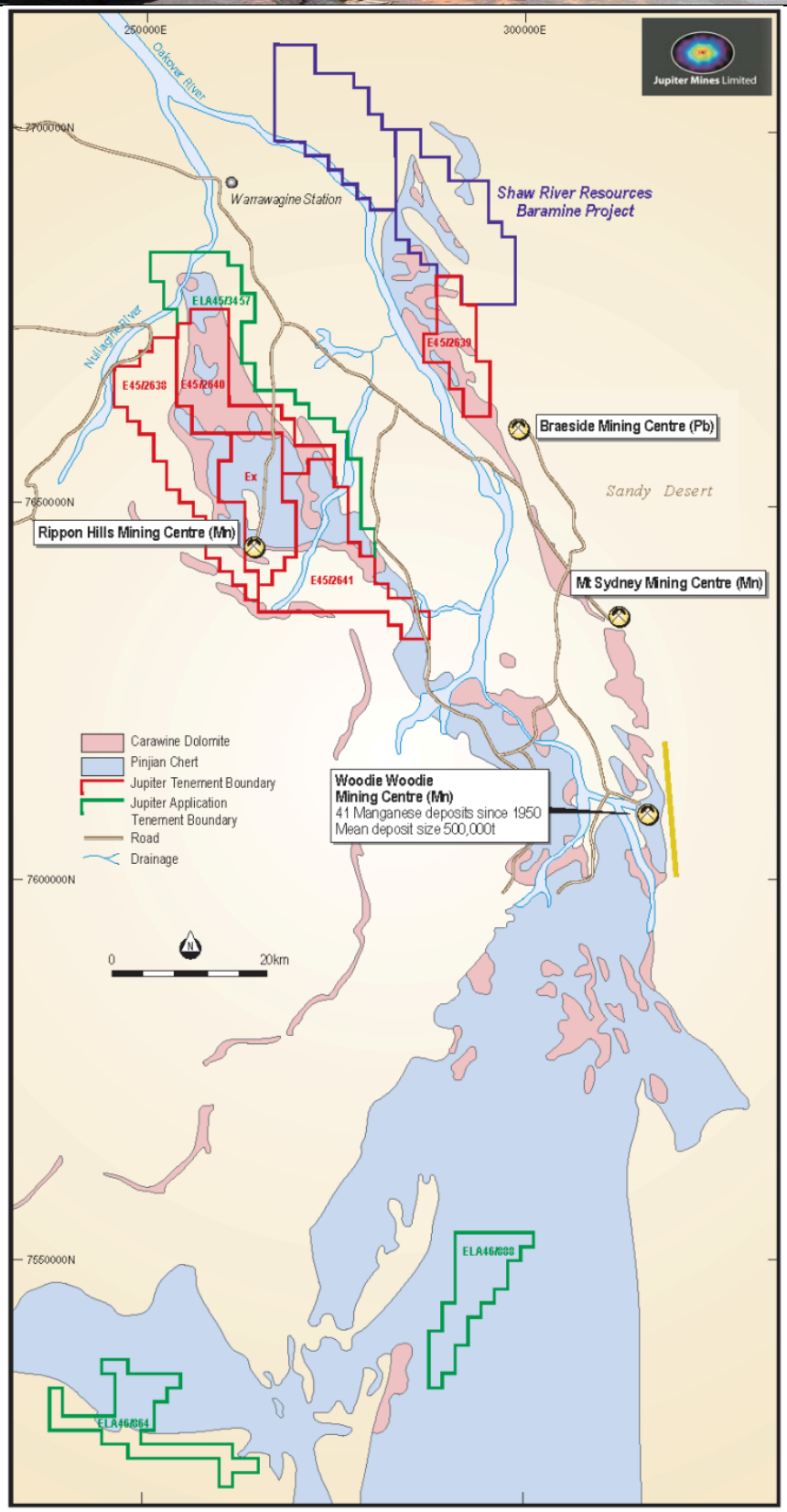
MGA GDA 84 ZONE 50
Holes MA6 and MA9 were terminated before target depth due to drill rods cogging



Attachment 5 – Mt Alfred Simplified Geological Cross Section

The potential quantity and grade of the any potential resource at Mt Alfred are conceptual in nature and are for exploration and valuation to define a mineral resource and it is uncertain if future exploration will result in the determination of a mineral resource.





Attachment 6 - Oakover Manganese Project Tenement Position

THE MINERAL CORPORATION

ADVISORS TO THE MINERAL BUSINESS

20 April 2010

Pallinghurst Kalahari (Mauritius) Limited
54 Jermyn Street
London
SW1Y 6LX
United Kingdom

ATTN: Mr Finn Behnken

Jupiter Mines Limited
Level 2, 72 Kings Park Road
West Perth
WA, 6005
Australia

ATTN: Mr Greg Durack

Consent of Competent Person

Dear Sirs,

We hereby give consent to publish information pertaining to Mineral Resource estimates for the Tshipi Kalahari Manganese Project contained in the Quarterly Report for Jupiter Mines Limited, March 2010.

We confirm that the Mineral Resource estimates contained in this report are those compiled and signed-off by D. R. Young, a Director of The Mineral Corporation, and a Competent Person in terms of the South African Code for the Reporting of Exploration Results, Mineral Resources and Mineral Reserves (the SAMREC Code (2007)), and by S. R. Q. Nupen, a geologist with The Mineral Corporation.

Mr. D. Young is a Fellow of the Geological Society of South Africa (FGSSA), a Fellow of the Australasian Institute of Mining and Metallurgy (FAusIMM) and is registered with the South African Council for Natural Scientific Professions (Pr Sci Nat 400989/83). He has 35 years experience in the minerals industry as a geologist conducting Mineral Resource evaluations and valuation throughout the world in numerous commodities including manganese in the Kalahari Manganese Field and other related minerals.

Mr. Nupen is a Member of the Geological Society of South Africa (MGSSA) and is registered with the South African Council for Natural Scientific Professions (Pr Sci Nat 400174/07). He has 9 years experience in exploration, orebody modelling, and Mineral Resource evaluation including platinum, gold, manganese in the Kalahari Manganese Field, uranium and iron ore.

D. R. Young
Competent Person

S. R. Q. Nupen

Rule 5.3

Appendix 5B

Mining exploration entity quarterly report

Introduced 1/7/96. Origin: Appendix 8. Amended 1/7/97, 1/7/98, 30/9/2001.

Name of entity

Jupiter Mines Limited

ABN

51 105 991 740

Quarter ended ("current quarter")

31st March 2010

Consolidated statement of cash flows

		Current quarter $A'000	Year to date (9 months) $A'000
	Cash flows related to operating activities		
1.1	Receipts from product sales and related debtors	-	-
1.2	Payments for		
	(a) exploration and evaluation	(508)	(1,842)
	(b) development		-
	(c) production		-
	(d) administration	(616)	(2,201)
1.3	Dividends received		-
1.4	Interest and other items of a similar nature received	92	252
1.5	Interest and other costs of finance paid		-
1.6	Income taxes paid		-
1.7	Other (provide details if material)		
	- GST refund	147	265
	- exploration and evaluation refund		7
	- rental income	32	56
	Net operating cash flows	(853)	(3,463)
	Cash flows related to investing activities		
1.8	Payment for purchases of:		
	(a) prospects		-
	(b) equity investments	(1,832)	(3,032)
	(c) other fixed assets	(98)	(139)
1.9	Proceeds from sale of:		
	(a) prospects		13
	(b) equity investments	415	415
	(c) other fixed assets		-
1.10	Loans to other entities		-
1.11	Loans repaid by other entities		-
1.12	Other (provide details if material)		(2)
	Net investing cash flows	(1,515)	(2,745)
1.13	Total operating and investing cash flows (carried forward)	(2,368)	(6,208)

+ See chapter 19 for defined terms.

1.13	Total operating and investing cash flows (brought forward)	(2,368)	(6,208)
	Cash flows related to financing activities		
1.14	Proceeds from issues of shares, options, etc.	80	7,888
1.15	Proceeds from sale of forfeited shares	-	-
1.16	Proceeds from borrowings	-	-
1.17	Repayment of borrowings	-	-
1.18	Dividends paid	-	-
1.19	Other (provide details if material) - issue expenses paid	-	-
	Net financing cash flows	80	7,888
	Net increase (decrease) in cash held	(2,288)	1,680
1.20	Cash at beginning of quarter/year to date	10,484	6,516
1.21	Exchange rate adjustments to item 1.20	-	-
1.22	**Cash at end of quarter**	8,196	8,196

Payments to directors of the entity and associates of the directors. Payments to related entities of the entity and associates of the related entities.

		Current quarter $A'000
1.23	Aggregate amount of payments to the parties included in item 1.2	114
1.24	Aggregate amount of loans to the parties included in item 1.10	-

1.25 Explanation necessary for an understanding of the transactions

N-E Directors fees and expenses	$ 55,000
Executive director remuneration	$ 15,000
Consulting Fees	$ 15,000

Non-cash financing and investing activities

2.1 Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows

Nil

2.2 Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest

Nil

+ See chapter 19 for defined terms.

Financing facilities available

Add notes as necessary for an understanding of the position.

		Amount available $A'000	Amount used $A'000
3.1	Loan facilities	Nil	N/A
3.2	Credit standby arrangements	50	-

Estimated cash outflows for next quarter

		$A'000
4.1	Exploration and evaluation	452
4.2	Development	-
	Total	**452**

Reconciliation of cash

Reconciliation of cash at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows.		Current quarter $A'000	Previous quarter $A'000
5.1	Cash on hand and at bank	8,196	10,484
5.2	Deposits at call		
5.3	Bank overdraft		
5.4	Other (provide details)		
	Total: cash at end of quarter (item 1.22)	8,196	10,484

Changes in interests in mining tenements

		Tenement reference	Nature of interest (note (2))	Interest at beginning of quarter	Interest at end of quarter
6.1	Interests in mining tenements relinquished, reduced or lapsed	E15/837 P15/4357 E45/3198 E30/296	Surrendered -25/02/10 Expired -13/03/10 Application Withdrawn -19/01/10 Partial Surrendered -25/03/10	11 blocks 119 Ha Nil 13 blocks	Nil Nil Nil 6 blocks
6.2	Interests in mining tenements acquired or increased	L29/79 E46/888 E46/891 E46/892 E29/726 G29/21	Application- 12/01/10 -6886 HA Application- 03/02/10 -35 blocks Application- 12/03/10 -28 blocks Application- 12/03/10 -4 blocks Granted 19/01/10 -1 block Granted 23/03/10 -95 Ha	Nil Nil Nil Nil Nil Nil	Nil Nil Nil Nil 100% 100%

+ See chapter 19 for defined terms.

Issued and quoted securities at end of current quarter

Description includes rate of interest and any redemption or conversion rights together with prices and dates.

		Total number	Number quoted	Issue price per security (see note 3) (cents)	Amount paid up per security (see note 3) (cents)
7.1	**Preference +securities** *(description)*	Nil	N/A	N/A	N/A
7.2	Changes during quarter				
	(a) Increases through issues	Nil	Nil	N/A	N/A
	(b) Decreases through returns of capital, buy-backs, redemptions	Nil	Nil	N/A	N/A
7.3	**+Ordinary securities**	**369,786,471**	**240,785,875**	N/A	N/A
7.4	Changes during quarter				
	(a) Increases through Conversion **Total Conversions**	400,000	400,000	20 cents	20 cents
	(b) Decreases through returns of capital, buy-backs	Nil	Nil	N/A	N/A
	(c) Increases through release and quotation of restricted securities (released from escrow)	71,178,331	71,178,331	6.6 cents	6.6 cents
7.5	**+Convertible debt securities** (*description)*	Nil	Nil	N/A	N/A
7.6	Changes during quarter				
	(a) Increases through issues	Nil	Nil	N/A	N/A
	(b) Decreases through securities matured, converted	Nil	Nil	N/A	N/A

+ See chapter 19 for defined terms.

7.7	Options (description and conversion factor)			*Exercise price*	*Expiry date*
		1,500,000	Nil	35 cents	30/11/2010
		3,700,000	Nil	35 cents	31/12/2010
	Employee Share Scheme	500,000	Nil	20 cents	21/11/2011
	Employee Share Scheme	1,000,000	Nil	25 cents	21/11/2011
	Employee Share Scheme	1,000,000	Nil	35 cents	21/11/2011
	Employee Share Scheme	900,000	Nil	20 cents	24/11/2011
	Employee Share Scheme	200,000	Nil	30 cents	24/12/2011
	Employee Share Scheme	600.000	Nil	25 cents	23/07/2012
	Employee Share Scheme	800,000	Nil	25 cents	03/09/2012
	Employee Share Scheme	600,000	Nil	30 cents	03/09/2012
	Employee Share Scheme	600,000	Nil	35 cents	03/09/2012
	Employee Share Scheme	200,000	Nil	25 cents	03/10/2012
	Employee Share Scheme	500,000	Nil	19 cents	06/11/2012
		12,100,000			
7.8	Issued during quarter	Nil	Nil	N/A	N/A
7.9	Exercised during quarter	400,000	400,000	20 cents	29/12/2009
7.10	Expired/cancelled/ lapsed during quarter	1,100,000	N/A	20 cents	29/12/2009
7.11	**Debentures** *(totals only)*	Nil	N/A		
7.12	**Unsecured notes** *(totals only)*	Nil	N/A		

+ See chapter 19 for defined terms.

Compliance statement

1 This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act or other standards acceptable to ASX (see note 4).

2 This statement does give a true and fair view of the matters disclosed.

Sign here: Date: 21 April 2010
(Company Secretary)
Print name: Robert Benussi

Notes

1 The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.

2 The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.

3 **Issued and quoted securities** The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.

4 The definitions in, and provisions of, *AASB 1022: Accounting for Extractive Industries* and *AASB 1026: Statement of Cash Flows* apply to this report.

5 **Accounting Standards** ASX will accept, for example, the use of International Accounting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

+ See chapter 19 for defined terms.