

## Hematite Confirmed at West Gawler

### Potential Direct Shipping Ore (DSO) Projects Identified

**Iron Road Limited** (Iron Road, ASX:IRD, IRDO) is pleased to announce the results from a rock chip sampling program at the West Gawler project in South Australia.

#### Highlights

- A total of 252 in-situ rock chip and grab samples from ten localities at the West Gawler project return an average grade of 53.4% Fe (55.7% CaFe\*) from all samples collected.
- Several in-situ chip samples returned grades of >60% Fe with low silica, alumina and phosphorous indicating potential suitability for direct shipping ore (DSO).
- Historical test work at Mt Christie by the South Australian Department of Mines & Energy (SADME) indicated that lower grade hematite ores are amenable to upgrading using simple mechanical processes.
- Mt Christie area located 20km north of the Trans Australian Railway that is linked directly to several ports.
- Detailed aeromagnetic survey to be flown over the Mt Christie area this month. This survey will be supplemented by ground gravity surveys to facilitate the planning of an exploratory drilling programme.

\*CaFe% is calcined Fe calculated using the formula  $(Fe\%(100-LOI\%)) \times 100$

Field sampling of iron formation on EL4014 Mulgathing was undertaken during July 2009 from ten separate locations (Fig. 1). Samples were taken from in-situ iron formation as rock chips wherever possible. Of a total of 252 samples, 192 or 76% were sourced from in-situ outcrop. All samples were XRF assayed by Amdel Laboratories for the standard iron ore suite with selected samples to be composited for Davis Tube Recovery (DTR) test work. A summary showing averages of all samples by location is included in the table below and all XRF assay results are tabulated in Appendix 1 at the end of this report.

Locality	Fe (%)	CaFe* (%)	SiO <sub>2</sub> (%)	Al <sub>2</sub> O <sub>3</sub> (%)	P (%)	S (%)	LOI (%)
Mount Christie	53.6	55.3	18.5	1.4	0.12	0.04	3.0
One Oak Hill	58.6	61.4	9.0	1.9	0.03	0.09	4.7
North Finger Post Hill	56.2	59.7	8.1	5.1	0.05	0.06	5.8
George Hill	57.7	59.8	11.1	2.1	0.06	0.07	3.6
George Hill South	53.6	56.7	14.1	2.4	0.11	0.06	5.5
George Hill Extension	47.7	50.2	24.5	1.7	0.15	0.07	4.8
Blackfellow Hill	50.8	53.3	20.0	1.7	0.11	0.05	4.7
North Fingerpost Hill (West)	53.0	54.3	20.6	0.8	0.05	0.04	2.3
Fingerpost Hill	51.9	55.1	12.4	6.6	0.04	0.06	5.9
Durkin	47.4	52.0	17.0	4.4	0.09	0.10	8.8
Average	53.4	55.7	16.8	2.2	0.09	0.05	4.0

Historical test-work by the South Australian Department of Mines & Energy (SADME) conducted during 1962 indicated that lower grade hematite ores at Mt Christie are amenable to upgrading using simple mechanical techniques (SARIG Report: RB54/00157, Amdel 00177). This aspect will be assessed by the Company's specialist metallurgists, ProMet Engineers.

The project area is located approximately 20km north of the standard gauge Trans Australian Railway that connects to the Central Australia Railway at Tarcoola. This national railway network links to several ports, including Whyalla, Port Adelaide, Esperance and Darwin.

During mid-September 2009 Thomson Aviation will fly a detailed aeromagnetic survey over a large portion of EL4014 that covers an area of high potential for iron ore. The survey line spacing is 50m with a total of 5,319 line kilometres. Hawke Geophysics will analyse and interpret the data and make recommendations on focussed ground gravity surveys. This geophysical work will aid in the planning of an exploratory drilling programme.

Commenting on the field assay results Managing Director, Andrew Stocks said that the results represent a positive step towards the Company's objective of establishing another resource inventory to supplement other projects such as the magnetite project at Warrambo on the central Eyre Peninsula.

"The West Gawler project is showing encouraging early signs, with the One Oak Hill, George Hill and North Finger Post Hill prospects in particular showing good combinations of iron grade and low contaminants. These results, together with earlier historical exploration, give us the confidence to take the West Gawler project forward to the next stage" said Mr Stocks.

"It is early days, but an additional resource at West Gawler will substantially assist our desire to build a long life iron ore business at Iron Road," said Mr Stocks.

Iron Road will adopt a staged approach, such as that successfully used at its Warrambo project, to systematically assess and evaluate this area.

-ENDS-

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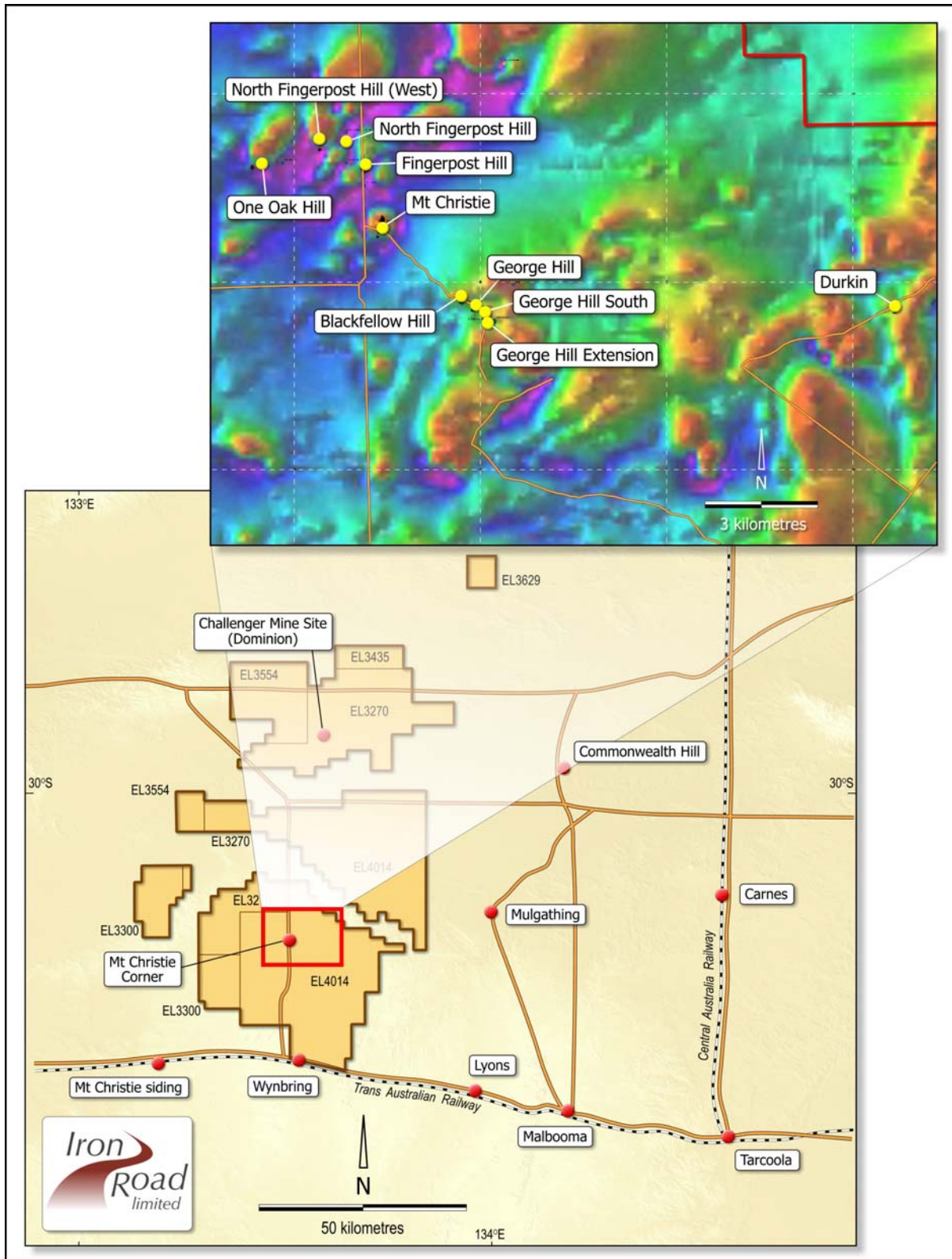


Figure 1 - West Gawler tenements showing sample localities, superimposed on regional aeromagnetic image.



Plate 1 - Specular hematite with magnetite from One Oak Hill

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**Competent Person's Statement**

*The information in this report that relates to Exploration Results is based on and accurately reflects information compiled by Mr Larry Ingle, who is a fulltime employee of Iron Road Limited and a Member of the Australasian Institute of Mining and Metallurgy. Mr Ingle has sufficient experience relevant to the style of mineralisation and the type of deposits under consideration and to the activity which 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". Mr Ingle consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

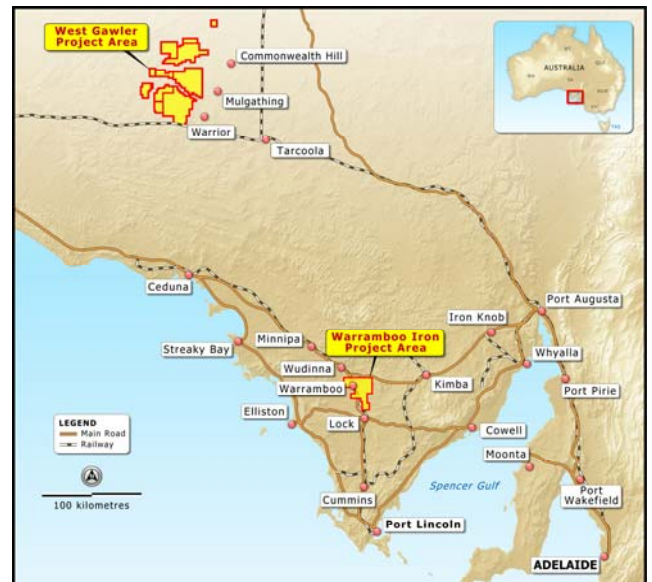


Figure 2 - Location of the South Australian projects.

## APPENDIX 1

### Summary Tables of XRF analysis (Iron Ore Suite)

Mount Christie														
SAMPLE ID	Fe	CaFe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	P	S	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	LOI
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%
49164	48.9	49.9	26.5	0.7	0.00	0.12	0.07	0.12	0.03	0.04	0.01	0.03	0.00	2.0
49165G	46.4	47.1	31.2	0.9	0.02	0.06	0.07	0.06	0.03	0.04	0.01	0.01	0.00	1.4
49166	46.8	47.5	31.2	0.3	0.01	0.07	0.17	0.05	0.02	0.11	0.01	0.03	0.01	1.4
49167	47.3	47.8	30.3	0.6	0.02	0.08	0.04	0.06	0.06	0.05	0.03	0.01	0.00	1.0
49168	44.4	44.8	33.9	0.7	0.02	0.07	0.04	0.28	0.01	<0.010	0.01	0.01	0.00	1.0
49169	49.3	49.9	27.4	0.4	0.02	0.03	0.05	0.05	0.05	0.04	0.01	0.01	0.00	1.3
49170	46.5	47.2	30.8	0.9	0.02	0.08	0.11	0.09	0.02	0.06	0.03	0.03	0.00	1.5
49171	49.3	50.0	26.9	0.9	0.01	0.07	0.04	0.06	0.02	0.04	0.00	0.01	0.00	1.4
49172	46.1	46.9	31.7	0.5	0.02	0.09	0.04	0.05	0.02	0.03	0.01	0.02	0.00	1.8
49173	45.0	45.9	31.5	1.5	0.05	0.09	0.08	0.06	0.05	0.04	0.02	0.01	0.00	2.0
49174	46.1	46.9	31.3	0.8	0.00	0.07	0.11	0.06	0.07	0.03	0.01	0.01	0.00	1.7
49175	47.8	49.3	25.8	1.7	0.13	0.05	0.08	0.17	0.05	0.05	0.01	0.01	0.00	3.1
49176	54.4	55.7	18.5	0.7	0.03	0.04	0.07	0.06	0.04	<0.010	0.01	0.01	0.00	2.3
49177	55.5	57.1	16.6	0.8	0.03	0.05	0.15	0.06	0.04	0.06	0.02	0.01	0.00	2.8
49178	49.8	50.5	25.8	0.9	0.02	0.05	0.05	0.06	0.02	0.06	0.00	0.01	0.00	1.3
49179	54.5	55.7	18.8	1.0	0.03	0.05	0.21	0.06	0.07	0.06	0.03	0.01	0.02	2.2
49180	47.6	49.3	25.1	2.6	0.18	0.05	0.08	0.10	0.03	0.03	0.03	0.01	0.01	3.4
49181	51.2	52.6	21.5	2.0	0.19	0.05	0.06	0.09	0.03	0.01	0.02	0.01	0.00	2.7
49182	44.2	45.3	30.6	3.7	0.03	0.09	0.07	0.08	0.04	0.03	0.01	0.01	0.00	2.4
49183	42.1	43.9	34.4	0.7	0.04	0.02	0.12	0.15	0.03	0.03	0.01	0.01	0.01	4.2
49184	48.7	49.9	26.7	0.6	0.02	0.08	0.08	0.12	0.03	0.07	0.02	0.01	0.00	2.5
49185	55.3	56.4	17.7	0.7	0.00	0.04	0.12	0.09	0.03	0.05	0.03	0.02	0.00	2.0
49186	50.3	51.0	26.0	0.6	0.02	0.04	0.03	0.07	0.01	0.06	0.01	0.01	0.00	1.3
49187	52.8	54.4	19.0	1.1	0.04	0.04	0.18	0.62	0.10	0.06	0.02	0.03	0.02	2.9
49188	53.3	54.5	20.6	0.5	0.02	0.04	0.07	0.21	0.03	0.05	0.03	0.02	0.00	2.2
49189G	45.7	47.6	28.6	1.7	0.01	0.03	0.09	0.09	0.06	0.03	0.01	0.05	0.01	3.9
49190G	52.6	53.5	21.8	0.9	0.01	0.05	0.12	0.07	0.02	0.07	0.01	0.04	0.02	1.7
49191	52.1	53.0	22.1	1.0	0.03	0.08	0.18	0.21	0.03	0.09	0.03	0.02	0.00	1.7
49192	52.1	52.8	22.4	1.1	0.02	0.05	0.10	0.13	0.05	0.04	0.02	0.01	0.00	1.4
49193	52.0	53.0	22.7	0.7	0.01	0.04	0.08	0.15	0.03	0.04	0.00	0.01	0.01	1.8
49194	52.5	53.7	19.5	2.3	0.05	0.06	0.04	0.07	0.02	0.02	0.01	0.01	0.00	2.3
49195	57.2	61.4	8.7	2.0	0.08	0.06	0.09	0.14	0.10	0.04	0.02	0.01	0.10	6.9
49196	56.0	58.6	13.0	1.6	0.13	0.04	0.06	0.17	0.07	0.04	0.01	0.01	0.02	4.4
49197	60.2	62.1	9.9	1.1	0.06	0.04	0.04	0.07	0.03	0.04	0.01	0.01	0.02	3.1
49198	57.7	59.1	13.8	1.0	0.02	0.06	0.05	0.08	0.03	0.06	0.01	0.03	0.00	2.4
49199	57.9	59.6	13.0	1.1	0.03	0.09	0.07	0.09	0.03	0.08	0.02	0.01	0.02	2.9
49200	64.2	66.3	3.4	1.5	0.13	0.07	0.09	0.06	0.05	0.11	0.01	0.01	0.02	3.2
49201	65.4	67.1	2.3	1.6	0.17	0.09	0.05	0.05	0.04	0.05	0.01	0.01	0.00	2.5
49202	57.3	60.0	10.9	2.3	0.17	0.07	0.12	0.06	0.06	0.11	0.03	0.03	0.01	4.5
49203	57.3	59.1	13.7	1.1	0.00	0.06	0.04	0.07	0.04	0.02	0.01	0.01	0.00	3.1
49204	52.2	53.6	21.0	1.7	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.01	0.02	2.6
49205	53.7	55.4	17.8	2.2	0.08	0.05	0.13	0.02	0.05	0.08	0.05	0.01	0.00	3.0
49206G	57.3	59.2	12.4	2.4	0.13	0.06	0.06	0.07	0.02	0.03	0.05	0.01	0.00	3.2
49207	58.4	60.3	11.7	1.6	0.06	0.04	0.08	0.08	0.04	0.05	0.02	0.01	0.02	3.1
49208	56.5	58.8	11.7	2.9	0.08	0.06	0.10	0.13	0.05	0.05	0.05	0.02	0.01	3.9
49209	56.8	58.6	15.0	0.9	0.01	0.03	0.05	0.05	0.03	0.03	0.01	0.02	0.00	3.0
49210	57.8	60.3	11.3	1.7	0.22	0.04	0.12	0.06	0.08	0.03	0.02	0.02	0.02	4.1
49211	62.3	64.0	6.6	1.6	0.13	0.06	0.09	0.05	0.03	0.06	0.02	0.01	0.01	2.6
49212	51.2	52.2	23.0	1.4	0.04	0.03	0.03	0.07	0.02	<0.010	0.02	0.03	0.01	2.0

SAMPLE ID	Fe	CaFe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	P	S	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	LOI
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%
49213	54.0	56.0	18.1	1.2	0.05	0.03	0.05	0.09	0.03	0.04	0.01	0.03	0.00	3.6
49214	51.5	52.7	23.4	0.5	0.02	0.02	0.05	0.06	0.01	0.04	0.01	0.05	0.00	2.2
49215	53.4	55.0	19.9	0.6	0.02	0.03	0.13	0.04	0.04	0.07	0.02	0.03	0.00	2.9
49216	55.7	56.6	18.0	0.5	0.02	0.04	0.04	0.06	0.01	0.03	0.01	0.02	0.00	1.6
49217	54.7	56.4	17.2	1.0	0.04	0.04	0.08	0.05	0.05	<0.010	0.01	0.02	0.00	3.0
49218	59.4	61.4	10.2	1.3	0.02	0.08	0.08	0.05	0.04	<0.010	0.01	0.01	0.03	3.3
49219	59.4	61.1	12.9	1.5	0.06	0.07	0.08	0.06	0.06	0.03	0.02	0.02	0.02	2.8
49220	59.4	60.7	11.8	1.3	0.06	0.07	0.09	0.05	0.05	0.03	0.02	0.01	0.00	2.2
49221	54.4	56.4	16.3	1.8	0.06	0.07	0.09	0.07	0.05	0.03	0.03	0.02	0.00	3.6
49222	58.6	61.4	10.7	0.8	0.02	0.05	0.14	0.05	0.04	0.03	0.01	0.03	0.00	4.5
49223	58.6	60.7	12.1	1.3	0.06	0.06	0.10	0.06	0.04	0.04	0.02	0.01	0.02	3.5
49224	58.6	60.7	8.8	3.1	0.94	0.04	0.09	0.05	0.08	0.03	0.04	0.02	0.01	3.5
49225	58.6	60.7	10.2	1.6	0.14	0.08	0.13	0.08	0.07	0.06	0.04	0.01	0.00	3.4
49226	58.6	61.1	10.2	1.1	0.04	0.07	0.06	0.14	0.05	0.04	0.02	0.01	0.00	4.1
49227	58.6	60.8	10.7	1.2	0.04	0.07	0.06	0.05	0.04	<0.010	0.01	0.02	0.00	3.6
49228	53.3	55.3	18.3	1.3	0.04	0.07	0.06	0.12	0.06	<0.010	0.01	0.01	0.00	3.6
49229	61.0	62.6	8.4	1.4	0.11	0.05	0.07	0.05	0.04	0.03	0.01	0.01	0.02	2.6
49230	56.1	58.0	15.8	0.6	0.01	0.02	0.11	0.09	0.05	0.05	0.02	0.02	0.01	3.3
49231	49.4	51.0	24.9	0.8	0.03	0.03	0.05	0.13	0.03	0.05	0.02	0.01	0.00	3.1
49232	57.0	59.4	12.3	1.7	0.24	0.06	0.08	0.11	0.06	0.04	0.02	0.01	0.03	4.0
49233	60.1	62.2	8.6	1.6	0.04	0.06	0.05	0.05	0.04	0.03	0.02	0.02	0.00	3.4
49234	51.0	52.4	21.4	2.2	0.05	0.09	0.12	0.08	0.05	0.05	0.06	0.01	0.02	2.7
49235	54.2	56.3	15.8	2.4	0.13	0.07	0.04	0.13	0.05	0.03	0.01	0.02	0.00	3.8
49236	51.1	53.7	18.6	3.0	0.06	0.07	0.18	0.13	0.07	0.02	0.02	0.02	0.01	4.8
49237	60.3	62.7	7.5	2.2	0.05	0.20	0.14	0.15	0.05	0.05	0.03	0.02	0.00	3.9
49238	53.5	55.1	20.3	0.6	0.00	0.06	0.05	0.06	0.02	0.03	0.01	0.01	0.00	2.9
49239	56.0	57.7	15.4	1.3	0.05	0.06	0.06	0.08	0.04	0.05	0.02	0.05	0.00	3.0
49240	56.0	61.7	4.1	1.9	0.05	0.04	0.09	0.30	0.12	0.05	0.00	0.01	0.02	9.3
49241	56.0	58.0	11.1	0.8	0.00	0.04	0.07	0.06	0.04	0.04	0.01	0.01	0.00	3.4
49242	52.0	53.6	18.2	3.0	0.00	0.04	0.06	0.58	0.04	0.04	0.01	0.02	0.00	3.0
49243	53.3	54.4	19.6	1.1	0.03	0.04	0.09	0.33	0.06	0.06	0.02	0.03	0.00	2.1
49244	48.5	49.9	27.3	0.3	0.00	0.03	0.03	0.06	0.05	0.02	0.01	0.03	0.00	2.8
49245	47.9	49.1	28.0	0.5	0.02	0.04	0.04	0.10	0.05	0.02	0.03	0.02	0.00	2.4
49246	45.3	46.3	32.1	0.6	0.03	0.03	0.06	0.19	0.01	0.03	0.01	0.02	0.00	2.2
49247	46.0	47.1	26.8	1.2	0.05	0.05	0.05	1.60	0.04	0.04	0.01	0.01	0.00	2.4
49248	55.5	57.8	14.7	1.7	0.04	0.06	0.15	0.11	0.10	0.06	0.03	0.01	0.01	3.9
49249	62.8	65.8	4.0	1.6	0.06	0.06	0.04	0.13	0.06	<0.010	0.01	0.01	0.00	4.6
49250	59.1	61.4	8.8	2.5	0.03	0.07	0.08	0.06	0.05	0.07	0.03	0.01	0.02	3.7
49251G	53.4	54.9	18.5	2.2	0.04	0.04	0.09	0.04	0.08	0.03	0.01	0.01	0.00	2.7
49252G	58.6	61.2	9.5	1.5	0.02	0.06	0.16	0.16	0.07	0.03	0.02	0.02	0.03	4.3
49253	57.3	59.9	12.3	1.2	0.01	0.05	0.09	0.13	0.04	0.02	0.01	0.01	0.02	4.3
49254	46.2	47.5	29.5	1.3	0.02	0.02	0.07	0.13	0.02	0.04	0.03	0.01	0.00	2.7
49255	44.8	45.8	32.8	0.6	0.06	0.04	0.10	0.13	0.01	0.04	0.02	0.01	0.00	2.2
49256	54.1	56.4	16.5	1.6	0.04	0.04	0.05	0.19	0.01	<0.010	0.00	0.01	0.00	4.0
49257	53.7	55.9	15.6	2.6	0.10	0.05	0.28	0.14	0.10	0.05	0.04	0.03	0.03	4.0
<b>Average</b>	<b>Fe</b>	<b>CaFe</b>	<b>SiO<sub>2</sub></b>	<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>TiO<sub>2</sub></b>	<b>MnO</b>	<b>CaO</b>	<b>P</b>	<b>S</b>	<b>MgO</b>	<b>K<sub>2</sub>O</b>	<b>Na<sub>2</sub>O</b>	<b>Cl</b>	<b>LOI</b>
<b>%</b>	<b>53.6</b>	<b>55.3</b>	<b>18.5</b>	<b>1.4</b>	<b>0.06</b>	<b>0.06</b>	<b>0.09</b>	<b>0.12</b>	<b>0.04</b>	<b>0.05</b>	<b>0.02</b>	<b>0.02</b>	<b>0.01</b>	<b>3.0</b>

Note: All assays by XRF analysis at Amdel Laboratories

CaFe% is calcined Fe calculated using the formula (Fe%/(100-LOI%))x100

Suffix G and *italics* indicates grab sample, all others are in-situ chip samples

Highlighted areas indicate assay  $\geq$ 55% Fe

One Oak Hill														
SAMPLE ID	Fe	CaFe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	P	S	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	LOI
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%
49325	52.2	55.0	17.7	1.8	0.10	0.04	0.15	0.04	0.10	0.28	0.02	0.06	0.02	5.1
49326	48.8	51.8	22.2	1.1	0.03	0.03	0.27	0.14	0.13	0.12	0.00	0.01	0.03	5.8
49327	62.3	65.2	4.5	1.9	0.02	0.07	0.14	0.02	0.10	<0.010	0.01	0.03	0.02	4.4
49328	64.7	68.0	2.1	0.9	0.02	0.09	0.17	0.01	0.09	0.02	0.01	0.04	0.02	4.8
49329	62.1	64.2	5.9	1.8	0.02	0.06	0.06	0.03	0.07	0.04	0.02	0.03	0.02	3.2
49330	61.1	64.1	5.3	2.0	0.04	0.14	0.13	0.06	0.12	0.03	0.02	0.05	0.02	4.7
49331	62.0	65.4	4.2	1.1	0.02	0.08	0.11	0.03	0.07	0.05	0.01	0.01	0.04	5.2
49332	59.5	61.4	9.8	1.2	0.04	0.06	0.14	0.03	0.08	0.05	0.02	0.01	0.04	3.1
49333	56.0	59.0	11.7	2.2	0.08	0.04	0.18	0.03	0.08	0.04	0.02	0.01	0.03	5.1
49334	58.5	60.7	9.7	2.8	0.05	0.04	0.06	0.03	0.07	<0.010	0.01	0.01	0.00	3.6
49335	58.6	61.7	8.8	2.0	0.06	0.04	0.10	0.01	0.08	0.07	0.02	0.01	0.03	5.0
49336	55.9	58.8	11.7	3.1	0.08	0.05	0.13	0.02	0.10	0.06	0.03	0.03	0.03	5.0
49337	59.8	62.5	7.6	1.8	0.05	0.05	0.09	0.02	0.06	0.07	0.02	0.01	0.02	4.3
49338	57.0	59.3	11.1	2.5	0.07	0.07	0.08	0.03	0.06	0.05	0.03	0.01	0.02	3.9
49339	57.8	60.8	9.3	2.6	0.05	0.08	0.11	0.03	0.10	0.06	0.03	0.01	0.01	5.0
49340	59.5	63.0	7.1	1.6	0.04	0.10	0.19	0.03	0.07	0.08	0.01	<0.020	0.02	5.5
49341	59.2	63.0	5.7	2.6	0.09	0.07	0.29	0.02	0.11	0.15	0.03	0.04	0.04	6.0
49342	57.3	60.2	10.9	2.0	0.07	0.10	0.11	0.02	0.06	0.06	0.02	0.05	0.03	4.8
49343	60.2	63.4	6.5	1.5	0.06	0.08	0.07	0.02	0.07	0.03	0.01	0.01	0.03	5.0
<b>Average %</b>	<b>Fe</b>	<b>CaFe</b>	<b>SiO<sub>2</sub></b>	<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>TiO<sub>2</sub></b>	<b>MnO</b>	<b>CaO</b>	<b>P</b>	<b>S</b>	<b>MgO</b>	<b>K<sub>2</sub>O</b>	<b>Na<sub>2</sub>O</b>	<b>Cl</b>	<b>LOI</b>
	58.6	61.4	9.0	1.9	0.05	0.07	0.14	0.03	0.09	0.07	0.02	0.02	0.02	4.7

Note: All assays by XRF analysis at Amdel Laboratories  
CaFe% is calcined Fe calculated using the formula (Fe%/(100-LO%))x100  
Suffix G and *italics* indicates grab sample, all others are in-situ chip samples  
Highlighted areas indicate assay  $\geq$ 55% Fe

North Fingerpost Hill														
SAMPLE ID	Fe	CaFe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	P	S	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	LOI
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%
49293G	55.7	59.8	8.4	4.3	0.12	0.05	0.23	0.06	0.05	0.27	0.05	0.00	0.03	6.9
49294G	59.4	63.1	5.5	2.6	0.05	0.03	0.19	0.05	0.04	0.16	0.02	0.01	0.04	5.8
49295G	57.4	61.1	6.7	3.9	0.11	0.05	0.22	0.05	0.06	0.20	0.03	0.00	0.03	6.1
49296G	57.0	59.9	8.0	5.0	0.13	0.05	0.43	0.07	0.05	0.22	0.05	0.02	0.03	4.8
49297G	59.1	62.3	6.5	3.5	0.07	0.04	0.14	0.04	0.05	0.14	0.03	0.02	0.02	5.2
49298G	55.8	58.4	9.0	5.1	0.13	0.05	0.63	0.08	0.05	0.24	0.06	0.02	0.01	4.5
49299G	52.5	56.8	10.5	6.2	0.50	0.03	0.26	0.06	0.10	0.20	0.06	0.03	0.04	7.5
49300G	57.8	58.8	8.3	6.6	0.11	0.04	0.34	0.06	0.04	0.14	0.11	0.06	0.05	1.7
49301G	55.8	59.9	8.3	4.7	0.11	0.06	0.18	0.05	0.05	0.18	0.03	0.01	0.04	6.9
49302G	55.3	59.7	7.4	5.7	0.14	0.03	0.20	0.05	0.09	0.14	0.02	0.01	0.04	7.3
49303G	53.2	56.9	9.6	7.6	0.11	0.03	0.13	0.04	0.07	0.13	0.03	0.01	0.03	6.5
49304G	55.1	59.1	8.5	5.5	0.15	0.03	0.11	0.04	0.06	0.12	0.02	0.01	0.03	6.8
<b>Average %</b>	<b>Fe</b>	<b>CaFe</b>	<b>SiO<sub>2</sub></b>	<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>TiO<sub>2</sub></b>	<b>MnO</b>	<b>CaO</b>	<b>P</b>	<b>S</b>	<b>MgO</b>	<b>K<sub>2</sub>O</b>	<b>Na<sub>2</sub>O</b>	<b>Cl</b>	<b>LOI</b>
	56.2	59.7	8.1	5.1	0.14	0.04	0.26	0.05	0.06	0.18	0.04	0.02	0.03	5.8

Note: All assays by XRF analysis at Amdel Laboratories  
CaFe% is calcined Fe calculated using the formula (Fe%/(100-LO%))x100  
Suffix G and *italics* indicates grab sample, all others are in-situ chip samples  
Highlighted areas indicate assay  $\geq$ 55% Fe

George Hill														
SAMPLE ID	Fe	CaFe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	P	S	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	LOI
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%
49386	56.9	59.8	9.8	3.1	0.11	0.06	0.09	0.04	0.06	0.06	0.01	0.00	0.00	4.8
49387	61.3	64.5	4.1	3.0	0.27	0.02	0.08	0.06	0.05	0.03	0.00	0.05	0.00	4.9
49388	60.1	62.7	5.8	3.8	0.22	0.05	0.11	0.04	0.06	0.04	0.01	0.01	0.01	4.1
49389	59.0	61.3	9.0	2.4	0.04	0.05	0.08	0.05	0.07	0.03	0.01	0.07	0.02	3.8
49390	57.8	59.5	12.3	1.4	0.03	0.04	0.13	0.04	0.05	0.05	0.02	0.02	0.00	2.9
49391	59.6	60.8	10.3	1.8	0.04	0.08	0.13	0.05	0.06	0.04	0.04	0.01	0.03	1.9
49392	57.7	59.5	10.3	3.1	0.11	0.07	0.13	0.03	0.09	0.07	0.01	0.01	0.03	3.1
49393	61.0	62.4	7.7	2.2	0.20	0.07	0.10	0.07	0.04	0.09	0.01	0.01	0.00	2.2
49394	56.5	58.5	11.5	3.3	0.08	0.07	0.21	0.06	0.07	0.02	0.02	0.04	0.00	3.4
49395	52.7	55.1	17.9	1.8	0.03	0.03	0.10	0.07	0.08	0.01	0.01	0.01	0.02	4.3
49396	59.9	62.7	7.8	1.5	0.11	0.05	0.14	0.08	0.10	0.03	0.01	0.02	0.03	4.4
49397	63.3	65.1	3.9	1.6	0.26	0.09	0.10	0.04	0.11	0.13	0.02	0.01	0.02	2.8
49398	55.8	57.4	14.9	1.8	0.05	0.03	0.08	0.06	0.04	0.05	0.03	0.01	0.00	2.8
49399	55.5	56.9	16.3	1.6	0.04	0.03	0.10	0.03	0.06	0.03	0.02	0.08	0.02	2.4
49400	57.2	59.3	9.7	4.3	0.12	0.09	0.07	0.03	0.07	0.06	0.01	0.01	0.02	3.6
49401	59.2	62.1	8.1	1.9	0.07	0.06	0.19	0.08	0.12	0.04	0.02	0.01	0.01	4.6
49402	51.8	53.5	21.1	1.3	0.03	0.04	0.06	0.05	0.05	0.06	0.02	0.01	0.00	3.2
49403	56.4	58.0	14.6	1.4	0.04	0.02	0.04	0.06	0.03	0.04	0.02	0.02	0.00	2.7
49404	56.5	58.4	13.8	1.5	0.07	0.06	0.09	0.06	0.07	0.04	0.01	0.01	0.00	3.2
49405	57.1	59.9	11.9	1.3	0.03	0.07	0.09	0.13	0.07	0.07	0.02	0.01	0.01	4.7
49406	59.3	64.0	5.0	1.4	0.12	0.02	0.13	0.17	0.09	0.04	0.01	0.04	0.03	7.3
49407	54.0	55.3	19.1	1.1	0.02	0.03	0.06	0.03	0.05	0.06	0.02	0.03	0.01	2.3
<b>Average</b>	<b>Fe</b>	<b>CaFe</b>	<b>SiO<sub>2</sub></b>	<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>TiO<sub>2</sub></b>	<b>MnO</b>	<b>CaO</b>	<b>P</b>	<b>S</b>	<b>MgO</b>	<b>K<sub>2</sub>O</b>	<b>Na<sub>2</sub>O</b>	<b>Cl</b>	<b>LOI</b>
<b>%</b>	<b>57.7</b>	<b>59.8</b>	<b>11.1</b>	<b>2.1</b>	<b>0.10</b>	<b>0.05</b>	<b>0.11</b>	<b>0.06</b>	<b>0.07</b>	<b>0.05</b>	<b>0.02</b>	<b>0.02</b>	<b>0.01</b>	<b>3.6</b>

Note: All assays by XRF analysis at Amdel Laboratories  
 CaFe% is calcined Fe calculated using the formula  $(Fe\% / (100 - LOI\%)) \times 100$   
 Suffix G and *italics* indicates grab sample, all others are in-situ chip samples  
 Highlighted areas indicate assay  $\geq 55\%$  Fe

George Hill South														
SAMPLE ID	Fe	CaFe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	P	S	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	LOI
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%
49378	57.5	59.0	9.1	0.9	0.13	0.02	0.08	0.25	0.06	0.08	0.02	0.03	0.02	2.6
49379	57.9	62.2	5.4	3.3	0.22	0.03	0.12	0.17	0.12	0.04	0.01	0.00	0.02	6.9
49380G	52.9	55.2	15.4	3.9	0.13	0.02	0.12	0.03	0.04	0.09	0.03	0.02	0.00	4.1
49381	55.0	58.0	13.4	1.9	0.02	0.01	0.19	0.08	0.08	0.09	0.01	0.02	0.03	5.2
49382	55.3	60.4	8.9	2.8	0.05	0.02	0.10	0.12	0.08	0.06	0.01	0.04	0.03	8.4
49383	50.5	53.4	20.3	1.5	0.03	0.02	0.10	0.09	0.03	0.10	0.02	0.03	0.00	5.4
49384	49.2	51.9	21.8	1.9	0.03	0.04	0.14	0.06	0.04	0.12	0.02	0.02	0.00	5.2
49385	50.2	53.5	18.4	3.2	0.10	0.02	0.08	0.07	0.06	0.06	0.01	0.02	0.02	6.1
<b>Average</b>	<b>Fe</b>	<b>CaFe</b>	<b>SiO<sub>2</sub></b>	<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>TiO<sub>2</sub></b>	<b>MnO</b>	<b>CaO</b>	<b>P</b>	<b>S</b>	<b>MgO</b>	<b>K<sub>2</sub>O</b>	<b>Na<sub>2</sub>O</b>	<b>Cl</b>	<b>LOI</b>
<b>%</b>	<b>53.6</b>	<b>56.7</b>	<b>14.1</b>	<b>2.4</b>	<b>0.09</b>	<b>0.02</b>	<b>0.12</b>	<b>0.11</b>	<b>0.06</b>	<b>0.08</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>5.5</b>

Note: All assays by XRF analysis at Amdel Laboratories  
 CaFe% is calcined Fe calculated using the formula  $(Fe\% / (100 - LOI\%)) \times 100$   
 Suffix G and *italics* indicates grab sample, all others are in-situ chip samples  
 Highlighted areas indicate assay  $\geq 55\%$  Fe



George Hill Extension														
SAMPLE ID	Fe	CaFe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	P	S	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	LOI
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%
49359	46.6	50.9	19.2	3.4	0.77	0.03	0.22	0.42	0.10	0.13	0.01	0.02	0.05	8.4
49360	50.2	52.2	22.7	1.0	0.02	0.04	0.08	0.04	0.05	0.05	0.01	0.01	0.02	3.9
49361	51.1	54.5	18.1	1.9	0.06	0.02	0.14	0.11	0.08	0.07	0.03	0.01	0.04	6.3
49362	45.0	51.3	12.6	9.6	0.49	0.01	0.08	0.28	0.09	0.06	0.20	0.01	0.03	12.3
49363	52.4	55.9	16.4	1.6	0.03	0.04	0.29	0.08	0.11	0.15	0.01	0.01	0.04	6.2
49364	47.0	49.8	25.3	0.6	0.02	0.02	0.13	0.24	0.05	0.05	0.01	0.01	0.02	5.6
49365	44.6	48.0	28.2	0.5	0.01	0.02	0.07	0.25	0.05	0.04	0.00	0.01	0.02	7.1
49366	43.4	45.0	33.3	0.3	0.01	0.01	0.06	0.14	0.07	0.03	0.00	0.03	0.00	3.6
49367	51.3	53.1	22.1	0.6	0.00	0.04	0.10	0.10	0.04	0.04	0.00	0.08	0.03	3.4
49368	49.7	51.5	24.1	0.5	0.00	0.01	0.08	0.17	0.06	0.08	0.00	0.04	0.00	3.5
49369	53.6	60.6	7.5	2.5	0.17	0.02	0.32	0.52	0.13	0.15	0.01	0.02	0.05	11.5
49370	43.9	45.3	32.4	0.5	0.01	0.02	0.18	0.10	0.02	0.09	0.00	0.02	0.02	3.0
49371	40.8	41.6	37.7	1.9	0.05	0.02	0.08	0.05	0.03	0.05	0.00	0.01	0.00	1.9
49372	44.8	45.6	33.6	0.3	0.01	0.02	0.10	0.07	0.02	0.06	0.01	0.06	0.01	1.8
49373G	48.3	49.2	27.9	0.9	0.01	0.03	0.31	0.02	0.12	0.08	0.01	0.06	0.03	1.8
49374G	45.8	46.8	30.6	1.3	0.05	0.02	0.14	0.04	0.03	0.10	0.01	0.05	0.00	2.1
49375	49.1	50.6	24.3	1.0	0.01	0.01	0.35	0.11	0.09	0.21	0.02	0.05	0.00	2.9
49376	50.0	51.9	23.1	1.3	0.04	0.05	0.18	0.03	0.08	0.05	0.02	0.01	0.03	3.7
49377	48.2	49.5	25.9	1.9	0.11	0.02	0.26	0.04	0.04	0.16	0.02	0.01	0.02	2.6
<b>Average %</b>	<b>Fe</b>	<b>CaFe</b>	<b>SiO<sub>2</sub></b>	<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>TiO<sub>2</sub></b>	<b>MnO</b>	<b>CaO</b>	<b>P</b>	<b>S</b>	<b>MgO</b>	<b>K<sub>2</sub>O</b>	<b>Na<sub>2</sub>O</b>	<b>Cl</b>	<b>LOI</b>
	47.7	50.2	24.5	1.7	0.10	0.02	0.17	0.15	0.07	0.09	0.02	0.03	0.02	4.8

Note: All assays by XRF analysis at Amdel Laboratories  
CaFe% is calcined Fe calculated using the formula (Fe%/(100-LO%))x100  
Suffix G and *italics* indicates grab sample, all others are in-situ chip samples  
Highlighted areas indicate assay ≥55% Fe

Blackfellow Hill														
SAMPLE ID	Fe	CaFe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	P	S	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	LOI
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%
49344G	49.5	53.3	18.2	2.7	0.23	0.05	0.29	0.16	0.05	0.18	0.01	0.01	0.03	7.1
49345G	57.4	62.1	6.8	2.3	0.25	0.04	0.33	0.16	0.06	0.20	0.01	0.01	0.02	7.5
49346G	56.5	60.0	10.3	1.5	0.14	0.05	0.57	0.14	0.05	0.19	0.01	0.00	0.05	5.9
49347G	56.4	59.9	10.9	1.6	0.08	0.06	0.37	0.11	0.04	0.14	0.01	0.00	0.02	5.8
49348	49.0	50.4	25.0	1.7	0.08	0.04	0.19	0.04	0.03	0.12	0.01	0.06	0.01	2.7
49349	50.6	52.3	22.2	1.5	0.07	0.03	0.18	0.07	0.03	0.20	0.01	0.05	0.00	3.2
49350	51.7	54.5	18.2	1.7	0.26	0.02	0.30	0.15	0.07	0.20	0.01	0.07	0.02	5.1
49351	43.3	44.7	32.1	2.0	0.03	0.02	0.15	0.07	0.08	0.05	0.01	0.11	0.02	3.2
49352	43.3	44.7	33.1	1.1	0.03	0.06	0.22	0.08	0.08	0.13	0.02	0.09	0.01	3.1
49353G	45.3	46.7	30.8	0.9	0.03	0.04	0.15	0.08	0.01	0.10	0.02	0.03	0.00	2.9
49354G	47.8	51.3	21.3	2.1	0.07	0.04	0.24	0.13	0.04	0.12	0.01	0.04	0.01	6.9
49355G	50.7	52.8	21.6	1.0	0.04	0.03	0.19	0.09	0.04	0.08	0.01	0.03	0.00	3.9
49356G	50.5	52.3	21.4	2.0	0.06	0.04	0.11	0.07	0.02	0.04	0.01	0.03	0.01	3.5
49357G	56.6	60.3	9.8	1.8	0.15	0.04	0.23	0.15	0.04	0.12	0.01	0.04	0.02	6.2
49358G	52.8	55.0	18.3	1.3	0.10	0.05	0.26	0.11	0.02	0.11	0.01	0.07	0.01	4.0
<b>Average %</b>	<b>Fe</b>	<b>CaFe</b>	<b>SiO<sub>2</sub></b>	<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>TiO<sub>2</sub></b>	<b>MnO</b>	<b>CaO</b>	<b>P</b>	<b>S</b>	<b>MgO</b>	<b>K<sub>2</sub>O</b>	<b>Na<sub>2</sub>O</b>	<b>Cl</b>	<b>LOI</b>
	50.8	53.3	20.0	1.7	0.11	0.04	0.25	0.11	0.05	0.13	0.01	0.04	0.02	4.7

Note: All assays by XRF analysis at Amdel Laboratories  
CaFe% is calcined Fe calculated using the formula (Fe%/(100-LO%))x100  
Suffix G and *italics* indicates grab sample, all others are in-situ chip samples  
Highlighted areas indicate assay ≥55% Fe

North Fingerpost Hill (West)														
SAMPLE ID	Fe	CaFe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	P	S	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	LOI
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%
49258	56.4	57.8	15.6	0.6	0.00	0.24	0.10	0.07	0.06	0.04	0.01	0.02	0.00	2.4
49259	46.5	47.3	30.5	0.4	0.02	0.13	0.07	0.08	0.02	0.03	0.01	0.05	0.00	1.7
49260	45.7	46.1	32.9	0.4	0.00	0.14	0.02	0.03	0.01	0.01	0.00	0.03	0.00	0.9
49261	47.4	48.5	28.6	0.5	0.02	0.13	0.04	0.08	0.02	0.09	0.01	0.05	0.00	2.2
49262	54.8	55.7	19.1	0.6	0.07	0.07	0.05	0.07	0.04	0.04	0.01	0.01	0.00	1.6
49263	62.9	64.8	5.3	1.4	0.24	0.24	0.03	0.06	0.04	0.03	0.00	0.01	0.00	2.9
49264	53.9	55.2	19.2	1.0	0.02	0.12	0.04	0.07	0.03	0.05	0.01	0.02	0.00	2.4
49265	52.3	53.5	20.7	1.2	0.03	0.17	0.11	0.18	0.06	0.09	0.03	0.02	0.00	2.3
49266	51.6	52.2	23.2	0.9	0.00	0.15	0.09	0.04	0.03	0.08	0.03	0.03	0.00	1.2
49267G	56.4	58.0	13.9	2.2	0.05	0.12	0.07	0.04	0.04	0.09	0.02	0.01	0.00	2.8
49268	50.2	51.6	24.6	0.6	0.00	0.05	0.04	0.05	0.03	0.08	0.01	0.02	0.00	2.7
49269G	54.6	55.7	17.9	1.8	0.02	0.12	0.09	0.03	0.03	0.06	0.01	0.01	0.02	2.0
49270	57.1	58.7	13.7	1.3	0.03	0.13	0.10	0.03	0.15	0.13	0.03	0.03	0.01	2.7
49271	50.6	51.4	25.2	0.5	0.03	0.13	0.05	0.03	0.03	0.07	0.01	0.03	0.00	1.5
49272	46.2	46.7	31.5	0.5	0.02	0.07	0.04	0.07	0.01	0.06	0.01	0.01	0.00	1.1
49273	55.9	57.3	16.3	0.7	0.07	0.09	0.06	0.05	0.04	0.04	0.01	0.01	0.00	2.5
49274	55.0	57.5	16.2	0.4	0.01	0.09	0.07	0.02	0.05	0.04	0.00	0.01	0.02	4.4
49275	52.1	53.4	22.3	0.5	0.00	0.04	0.12	0.03	0.07	0.07	0.01	0.04	0.03	2.4
49276	56.4	58.6	13.6	1.5	0.05	0.09	0.05	0.06	0.05	0.05	0.01	0.07	0.00	3.8
49277	51.8	52.7	22.9	0.4	0.02	0.09	0.10	0.05	0.07	0.08	0.00	0.07	0.02	1.7
49278	54.6	55.3	19.9	0.5	0.01	0.06	0.05	0.02	0.02	0.01	0.01	0.08	0.00	1.3
49279G	55.2	57.7	13.7	2.6	0.08	0.13	0.05	0.04	0.06	0.04	0.01	0.02	0.00	4.3
49280	55.9	57.5	17.1	0.3	0.01	0.06	0.06	0.02	0.03	0.05	0.00	0.03	0.00	2.7
49281	57.1	57.7	16.3	0.4	0.42	0.08	0.07	0.02	0.04	<0.010	0.01	0.09	0.01	1.0
49282	57.0	59.1	14.2	0.6	0.04	0.06	0.05	0.05	0.04	<0.010	<0.002	0.01	0.00	3.6
49283	52.3	53.7	21.3	1.0	0.03	0.15	0.04	0.04	0.06	0.08	0.01	0.01	0.00	2.6
49284	49.8	51.4	24.1	0.9	0.02	0.13	0.06	0.02	0.08	0.04	0.01	0.01	0.00	3.1
49285	52.5	54.0	21.0	0.5	0.34	0.14	0.05	0.03	0.12	0.08	0.01	0.03	0.00	2.7
49286	48.4	49.0	28.4	0.4	0.01	0.11	0.03	0.03	0.01	0.11	0.01	0.03	0.00	1.3
49287	51.4	52.1	24.3	0.4	0.00	0.22	0.05	0.07	0.01	0.13	0.01	0.02	0.00	1.4
49288	51.6	52.8	23.3	0.5	0.03	0.13	0.04	0.04	0.02	0.06	0.00	0.06	0.00	2.2
49289	49.0	50.1	27.0	0.3	0.02	0.08	0.03	0.07	0.01	0.10	0.01	0.01	0.00	2.1
49290	52.9	53.8	22.1	0.6	0.02	0.16	0.02	0.03	0.01	0.06	0.00	0.01	0.00	1.7
49291	50.6	51.7	24.6	0.6	0.02	0.06	0.03	0.05	0.04	0.06	0.01	0.01	0.00	2.2
49292	59.0	61.8	9.9	1.3	0.04	0.10	0.04	0.02	0.06	0.04	0.01	0.01	0.01	4.6
<b>Average %</b>	<b>Fe</b>	<b>CaFe</b>	<b>SiO<sub>2</sub></b>	<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>TiO<sub>2</sub></b>	<b>MnO</b>	<b>CaO</b>	<b>P</b>	<b>S</b>	<b>MgO</b>	<b>K<sub>2</sub>O</b>	<b>Na<sub>2</sub>O</b>	<b>Cl</b>	<b>LOI</b>
	53.0	54.3	20.6	0.8	0.05	0.12	0.06	0.05	0.04	0.06	0.01	0.03	0.00	2.3

Note: All assays by XRF analysis at Amdel Laboratories  
CaFe% is calcined Fe calculated using the formula (Fe%/(100-LOI%))x100  
Suffix G and *italics* indicates grab sample, all others are in-situ chip samples  
Highlighted areas indicate assay ≥55% Fe

Fingerpost Hill														
SAMPLE ID	Fe	CaFe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	P	S	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	LOI
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%
49305G	49.9	52.5	16.9	6.8	0.30	0.04	0.04	0.03	0.04	0.05	0.02	0.02	0.00	4.9
49306G	49.7	52.5	14.8	8.6	0.15	0.04	0.04	0.03	0.04	0.05	0.01	0.00	0.00	5.4
49307G	51.2	54.1	13.2	7.9	0.24	0.03	0.04	0.03	0.05	0.03	0.02	0.00	0.00	5.4
49308G	51.2	54.2	11.1	7.5	0.19	0.02	0.06	0.02	0.07	0.04	0.01	0.01	0.02	5.6
49309G	54.8	57.6	10.5	5.6	0.51	0.03	0.13	0.03	0.05	0.06	0.01	0.01	0.02	4.8
49310G	48.5	51.6	17.2	5.4	1.50	0.04	0.20	0.13	0.08	0.13	0.03	0.01	0.02	6.0
49311G	53.8	56.3	12.4	6.0	0.30	0.04	0.12	0.03	0.05	0.07	0.01	0.01	0.02	4.4
49312G	49.9	53.3	12.6	8.6	0.37	0.05	0.14	0.03	0.06	0.08	0.02	0.02	0.02	6.3
49313G	52.1	55.1	11.6	7.8	0.27	0.03	0.07	0.02	0.05	0.06	0.03	0.04	0.00	5.5
49314G	50.1	53.7	13.3	7.6	0.22	0.02	0.07	0.03	0.06	0.05	0.03	0.04	0.00	6.7
49315G	51.2	55.5	11.0	7.5	0.24	0.03	0.14	0.05	0.06	0.04	0.02	0.05	0.02	7.7
49316G	47.9	50.7	18.8	6.9	0.19	0.05	0.07	0.03	0.04	0.03	0.02	0.08	0.02	5.5
49317G	59.9	62.3	6.1	4.0	0.34	0.05	0.17	0.04	0.04	0.07	0.04	0.05	0.03	3.9
49318G	51.3	55.5	11.0	7.3	0.26	0.04	0.11	0.05	0.07	0.10	0.03	0.01	0.04	7.6
49319G	52.1	55.5	11.1	7.1	0.32	0.04	0.13	0.03	0.06	0.12	0.03	0.01	0.04	6.1
49320G	48.5	52.2	15.8	6.9	0.37	0.03	0.28	0.03	0.10	0.20	0.06	0.03	0.03	7.0
49321G	51.8	55.9	10.9	6.3	0.23	0.04	0.23	0.04	0.07	0.13	0.02	0.01	0.05	7.4
49322G	53.6	58.9	8.0	5.1	0.22	0.05	0.32	0.07	0.12	0.18	0.02	0.01	0.05	9.0
49323G	56.1	58.0	12.1	3.8	0.13	0.07	0.31	0.05	0.03	0.13	0.03	0.01	0.02	3.2
49324G	54.7	57.4	10.3	5.9	0.27	0.05	0.23	0.04	0.06	0.13	0.02	0.06	0.03	4.7
Average	Fe	CaFe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	P	S	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	LOI
%	51.9	55.1	12.4	6.6	0.33	0.04	0.15	0.04	0.06	0.09	0.02	0.02	0.02	5.9

Note: All assays by XRF analysis at Amdel Laboratories  
CaFe% is calcined Fe calculated using the formula (Fe%/(100-LOI%))x100  
Suffix G and *italics* indicates grab sample, all others are in-situ chip samples  
Highlighted areas indicate assay ≥55% Fe

Durkin														
SAMPLE ID	Fe	CaFe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	P	S	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	LOI
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%
49408G	43.9	47.3	24.3	3.9	0.15	0.02	0.54	0.08	0.07	0.21	0.15	0.05	0.03	7.2
49409G	42.5	45.5	26.4	4.1	0.16	0.02	0.86	0.03	0.11	0.29	0.18	0.04	0.04	6.5
49410G	51.9	56.0	10.7	5.6	0.30	0.02	0.67	0.02	0.13	0.25	0.13	0.03	0.07	7.4
49411G	50.5	55.1	10.6	6.5	0.38	<0.002	0.66	0.02	0.12	0.23	0.10	0.03	0.04	8.4
49412G	41.3	45.2	23.7	5.6	0.77	0.04	1.10	0.13	0.13	0.32	0.10	0.03	0.11	8.7
49413G	46.5	51.0	18.3	4.0	0.18	0.03	0.65	0.22	0.07	0.18	0.11	0.01	0.02	8.9
49414G	46.5	52.2	17.0	3.7	0.17	0.02	0.38	0.20	0.08	0.21	0.11	0.06	0.08	11.0
49415G	55.8	63.3	4.8	2.1	0.08	0.02	0.79	0.01	0.10	0.20	0.04	0.08	0.07	11.9
Average	Fe	CaFe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	P	S	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	LOI
%	47.4	52.0	17.0	4.4	0.27	0.02	0.71	0.09	0.10	0.24	0.11	0.04	0.06	8.8

Note: All assays by XRF analysis at Amdel Laboratories  
CaFe% is calcined Fe calculated using the formula (Fe%/(100-LOI%))x100  
Suffix G and *italics* indicates grab sample, all others are in-situ chip samples  
Highlighted areas indicate assay ≥55% Fe

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