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The Companies Officer
Australian Securities Exchange Ltd.
2 The Esplanade
Perth WA 6000

Dear Sir

Solomon Group Resource Upgrade

Fortescue Metals Group (“Fortescue” “ASX:FMG”) is pleased to announce an increase of 332 million tonnes (“Mt”) to its Resource Estimate for its Solomon Group tenement area. The total Resource Estimate for Solomon has increased to 2.2 billion tonnes (“Bt”) of which 552Mt is now classified as an Indicated Resource and 1.7Bt is classified as an Inferred Resource (refer Table 1).

The Solomon Group tenements are located to the north of Tom Price in the Hamersley Ranges of the Pilbara Region of Western Australia. The group comprises two main sites known as Solomon East and Serenity. This resource upgrade relates to the Solomon East deposit which has been increased to 1.2Bt. The details of the Serenity Resource Estimate of 1Bt were released to the ASX on 15 November 2007 and have not changed.

Within the Solomon East project area there are three key sites known as Valley of the Queens, Valley of the Kings and Firetail (for site references please refer to the attached map). The focus of this resource upgrade is on Valley of the Queens and the specific details have been provided as a sub set to the aggregated results and are reviewed under Table 2.

The full details of the Competent Persons statement are provided as an attachment to this letter.

Yours sincerely
Fortescue Metals Group Ltd

Rod Campbell
Company Secretary

ATTACHMENT

The total Resource at Solomon East is now 1.2 billion tonnes (“Bt”) of which 552 million tonnes (“Mt”) is classified as Indicated Resources and 658Mt as Inferred Resources. The previous Resource Estimate for Solomon East was 878Mt of which 220Mt was classified as an Indicated Resource and the balance was an Inferred Resource.

The upgrade pursuant to this report reflects the results of infill drilling to a 200 m by 50 m drill spacing for Indicated Resources and additional drill coverage to a nominal 400 m by 100 m for Inferred Resources in the Valley of the Queens area based upon drilling completed in October 2008.

It is noted that some 205Mt of this new resource comes from the Upper CID horizon including hardcap material with average grades of 56.7% Fe and 1.82% alumina. It is expected that this material will find ready acceptance in the market. These low alumina CID resources are in addition to the 141 Mt of 1.80% alumina CID Resources in the Valley of the Kings area announced on 20 November 2008.

The Valley of the Queens Resource estimation constitutes an additional 332Mt of new resource tonnages to the project, which now gives the total Solomon Group Resource Estimate of 2.2Bt.

The previous Valley of the Queens estimate contained 200Mt of Inferred Resource which has now been re-estimated to 530Mt in total containing 332Mt of Indicated Resources and 199Mt of Inferred Resources. This upgrade is due to increased confidence in the ore body dimensions due to a higher drill hole density, with the remainder of the additional tonnages from an area of new drilling.

Geological Summary:

Outcropping geology in the region is the Dales Gorge, Whaleback Shale and Joffre Members of the Brockman Iron Formation which are known to host large iron ore deposits within other regions of the Hamersley Ranges (bedded iron deposits or BID)

Incised into this bedrock geology are large channel systems, typically one to two kilometres in width, and stretching for tens of kilometres. During the Tertiary period weathering and erosion of the generally iron rich surrounding bedded material deposited iron ore fragments and detritus into these channels (termed Channel Iron Deposits or CID), and this material has subsequently been buried, preserved and enriched. Through Fortescue’s interpretation of drill hole results, the CID deposits can be subdivided into an upper ‘hard ore CID’ and a lower ‘ochreous CID’. Portions of the Upper CID unit have been affected by weathering and have been separated out as hardcap. Clay lenses are observed as semi-discrete bands often several metres thick, sometimes of a poddy nature although often traceable between drill holes.

The material overlying the CID material is of younger age and has also been eroded from iron rich material. This clastic material is concentrated into horizons of elevated iron grade termed Detrital Iron Deposit (or DID), which forms part of the sequence of overlying later Tertiary aged alluvials.

Exploration operations by Fortescue within the Solomon project region (RC and diamond drilling) have focussed on exploring these valley systems and have discovered large tonnages of all of these three classic Hamersley Province Iron deposit types (DID, CID and BID) as well as some cemented alluvial material known as canga. In certain areas the DIDs will overlay a thick sequence of CID material which in turn may be underlain by BID material.

The Valley of the Queens area is the western part of the Solomon East project (Figure1). This project area covers a meandering channel, about 35 km in length and up to 2 km wide, extending from the Pilbara Iron rail line east to near the Nanutarra-Munjina road. Both the upper and lower CID horizons appear to be well developed over much of the channel. DID and canga mineralisation is present in some parts of the overlying alluvial sequence. The small amounts of BID (about 10% of the total resource) intersected within the valleys are classified as Inferred Resources.

A total of 36,176 one metre samples from 900 RC holes were used in the Valley of the Queens estimate of Indicated and Inferred Resources. The drill holes have been deployed on a nominal 200 m by 50 m grid oriented north-south. All samples were analysed by SGS Laboratories in Perth using XRF techniques.

The block model was built using 100m x 25m x 1m cells. Subcells down to 1/10th of the primary cell size were used along domain boundaries to better resolve the domain interface. Estimation was conducted using Ordinary Kriging for all geological domains. Orientations were measured from interpreted stratigraphy and data continuity was measured from variogram maps created for each domain. Geostatistical analysis was conducted on each identified domain for the purposes of data and model validation. Median density values obtained from core measurements varied between 2.5 and 3.0 depending on geological unit. This estimate has been classified as a combination of Indicated and Inferred Resources for all units depending on sample density and stratigraphy. Some areas remain classified as Inferred due to the apparent discontinuity of mineralisation at the current drill spacing for these areas.

All drill hole data is collected and stored in digital format with appropriate validation checks to ensure integrity of the database. QA/QC techniques are those as standard for all Fortescue operations, being an average of 1 field standard per 100 samples submitted to the laboratory, and an average of 3 duplicates taken per 100 samples. There have also been 50 RC twin holes completed in the Solomon East area. Interpretation of results from these samples has shown an acceptably low variation in all elements studied.

Some 67 diamond drill holes have been completed over the project area, plus metallurgical testwork and geotechnical studies have been initiated on the core in order to determine the characteristics of the mineralisation and potential for beneficiation of lower quality material.

The following table details the current Resource position for the overall Solomon Project including all resources previously announced as well as the latest update for Valley of the Queens.

TABLE 1.

TOTAL RESOURCE ESTIMATE – SOLOMON GROUP

Indicated Resources						
Ore Type	Tonnes Mt	Fe %	SiO₂ %	Al₂O₃ %	P %	LOI %
DID	137	56.6	9.90	4.90	0.045	3.41
Canga	3	57.7	4.17	3.89	0.073	8.81
Upper CID	207	57.5	5.26	1.61	0.050	10.63
Upper CID hardcap	41	54.7	9.07	2.25	0.045	9.78
Lower CID	157	55.3	6.16	2.99	0.084	11.23
Bedded Iron	8	56.0	8.23	2.94	0.090	8.15
Total Indicated (Solomon East)	552	56.4	6.98	2.89	0.059	8.91
Inferred Resources						
Ore Type	Tonnes Mt	Fe %	SiO₂ %	Al₂O₃ %	P %	LOI %
DID	74	56.3	9.97	4.02	0.077	8.77
Upper CID	157	55.8	6.59	2.39	0.044	9.79
Upper CID hardcap	16	54.5	9.41	1.94	0.054	10.27
Lower CID	235	54.9	6.42	3.46	0.075	10.21
Bedded Iron	176	58.6	5.06	2.67	0.122	7.56
Total Inferred (Solomon East)	658	56.3	6.57	3.02	0.079	8.77
<i>Including Firetail Resource (Bedded Iron)</i>	125	59.6	4.9	2.6	0.119	6.5
Sub Total Solomon East	1,210	56.3	6.75	2.96	0.069	8.83
Serenity Total Inferred	1,014	56	7.3	3.8	0.081	8.06
TOTAL OF SOLOMON GROUP RESOURCE ESTIMATIONS						
Total Solomon	2,220	56.2	7.01	3.36	0.070	8.48
<i>Please note that totals shown in this table may not tally due to rounding in the estimation and reporting processes.</i>						

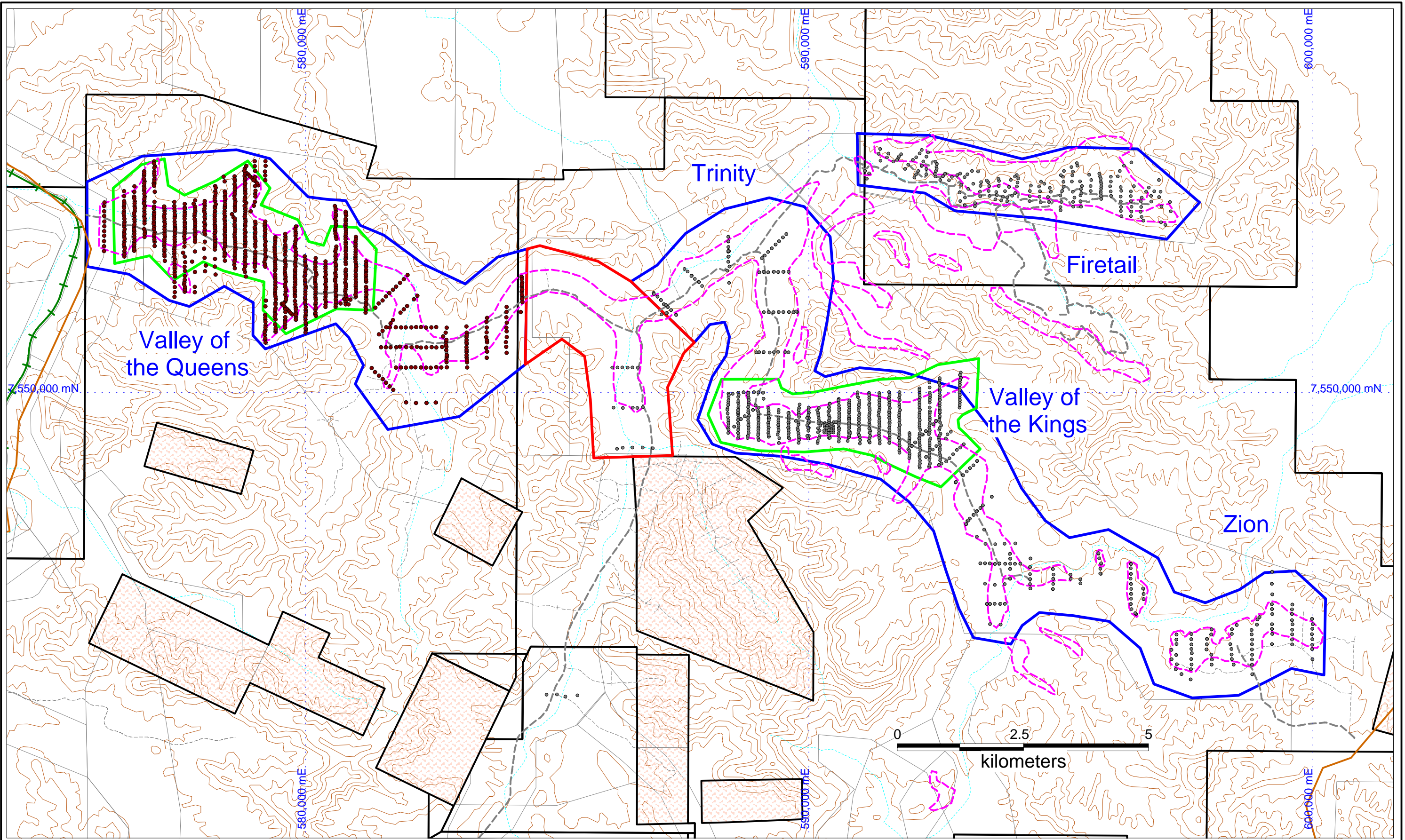
TABLE 2.

VALLEY OF THE QUEENS RESOURCE ESTIMATION

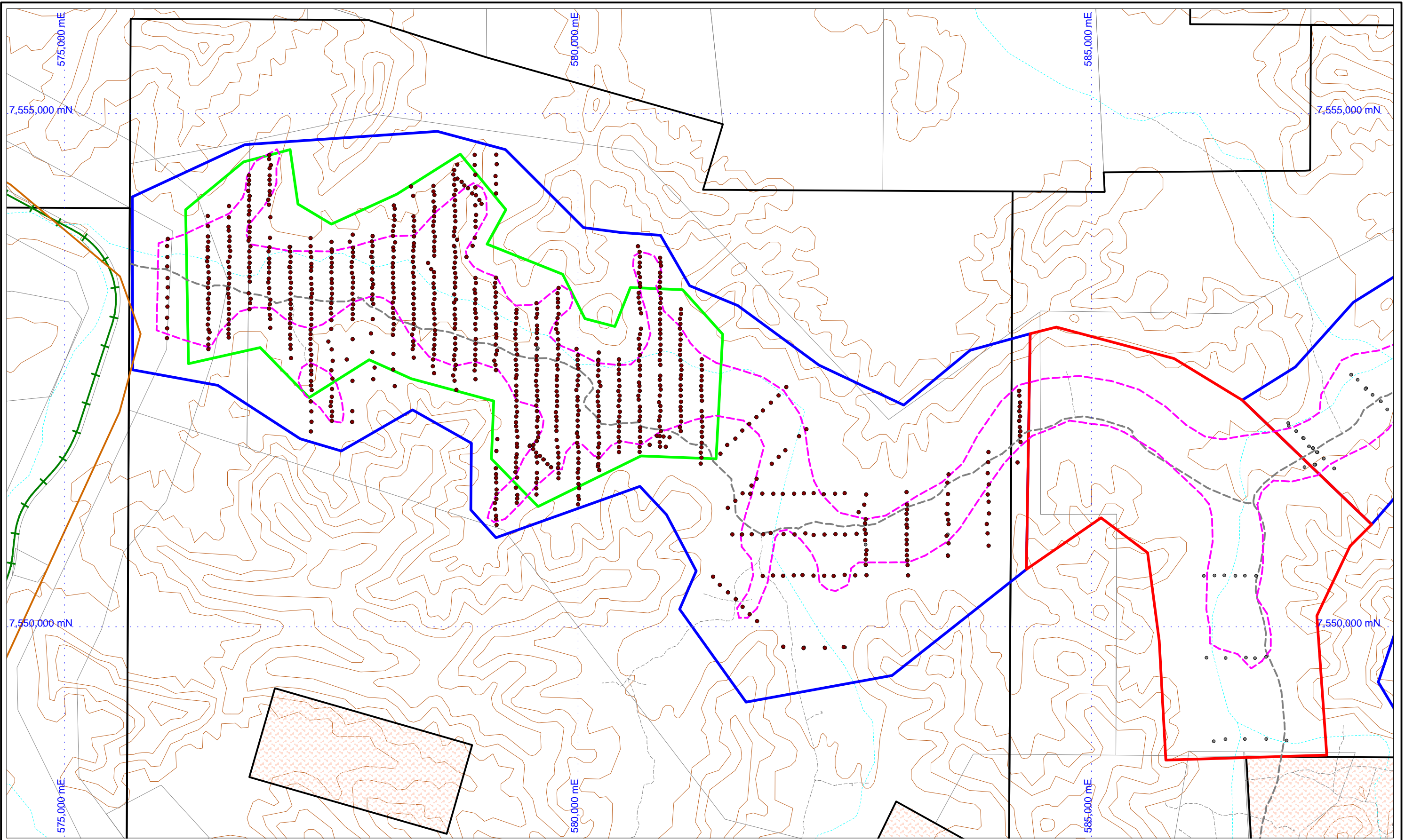
Indicated Resources						
Ore Type	Tonnes Mt	Fe %	SiO ₂ %	Al ₂ O ₃ %	P %	LOI %
DID	80	56.5	10.3	4.65	0.048	3.43
Upper CID	117	57.2	5.14	1.74	0.053	11.0
Upper CID hardcap	29	54.6	9.22	2.03	0.049	10.1
Lower CID	106	55.3	5.77	3.20	0.073	11.4
Total Indicated	332	56.2	6.94	2.93	0.058	9.23
Inferred Resources						
Ore Type	Tonnes Mt	Fe %	SiO ₂ %	Al ₂ O ₃ %	P %	LOI %
DID	28	55.7	11.50	3.80	0.054	4.3
Upper CID	44	56.4	6.01	1.83	0.055	11.2
Upper CID hardcap	16	54.5	9.41	1.94	0.054	10.3
Lower CID	59	55.1	6.30	3.14	0.082	11.3
Bedded Iron	52	56.7	5.80	3.20	0.110	9.22
Total Inferred	199	55.8	7.09	2.86	0.077	9.67
Tally of Resource Estimation (Valley of the Queens)						
Total Resources (Valley of the Queens)	530	56.2	7.01	2.91	0.065	9.41
<i>Including low Alumina CID</i>	205	56.7	6.26	1.82	0.053	10.91

The information in the report to which this statement is attached that relates to Mineral Resources is based on information compiled by Mr Stuart Robinson and Mr Clayton Simpson who are both Members of The Australasian Institute of Mining and Metallurgy.

Mr Stuart Robinson and Mr Clayton Simpson are full time employees of Fortescue Metals Group Ltd and provided geological interpretations for Mineral Resource calculations and compiled the exploration results. Mr Robinson, who is a Fellow of The Australasian Institute of Mining and Metallurgy, and Mr Simpson who is a Member of The Australasian Institute of Mining and Metallurgy have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are 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 Robinson and Mr Simpson consent to the inclusion in this report of the matters based on his information in the form and context in which it appears.



<p>Location Map</p>	<p>Cadastral Legend</p> <ul style="list-style-type: none"> Minor track Major Road Power line Railway line Drainage channel Topographic contour (50m interval) 	<p>Land Tenure</p> <ul style="list-style-type: none"> FMG Exploration tenements (Solomon Project) Exploration Tenement (all companies) area excised from project tenements 	<p>FMG Resource Estimation</p> <ul style="list-style-type: none"> Area of Inferred Resources (as at Mar 09) Area of Indicated Resources (as at Mar 09) Area with insufficient data to model (as at Mar 09) 	<p>FMG Exploration activities</p> <ul style="list-style-type: none"> Mapped or otherwise confirmed trend of mineralisation Drill hole collar location used in Resource Estimation (previous Resources) Drill hole collar used in Resource Estimation update (current release Mar 09) 	<p>Project Location</p>	<p>Datum (grid): GDA 94 Projection: Zone 50</p>	<p>Fortescue Metals Group Ltd</p> <p>SOLOMON EAST PROJECT Inferred and Indicated Resource update March 2009</p> <p>Figure 1.</p> <table border="1"> <tr> <td>Author: CS</td> <td>Date: March 2009</td> </tr> <tr> <td>Drawn By: CS</td> <td>Revision:</td> </tr> <tr> <td>Dwg No:</td> <td>Report No:</td> </tr> <tr> <td>Scale: not to scale</td> <td>Projection: MGA Zone 50 (GDA 94)</td> </tr> </table>	Author: CS	Date: March 2009	Drawn By: CS	Revision:	Dwg No:	Report No:	Scale: not to scale	Projection: MGA Zone 50 (GDA 94)
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	Cadastral Legend - - - Minor track - - - Major Road - * - Power line + - Railway line - - - Drainage channel - - - Topographic contour (50m interval)	Land Tenure FMG Exploration tenements (Solomon Project) Exploration Tenement (all companies) area excised from project tenements	FMG Resource Estimation Area of Inferred Resources (as at Mar 09) Area of Indicated Resources (as at Mar 09) Area with insufficient data to model (as at Mar 09)	FMG Exploration activities Mapped or otherwise confirmed trend of mineralisation Drill hole collar location used in Resource Estimation (previous Resources) Drill hole collar used in Resource Estimation update (current release Mar 09)		Datum (grid) GDA_94 Projection Zone_50	
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