28 June 2010 **ASX Announcement**

MAGNETITE EXPLORATION TARGET OF 1.75Bt – 3.25Bt IDENTIFIED AT GUM CREEK PROJECT

- **Magnetite associated with 20km strike length of Banded Iron Formation (BIF) at Woodley**
- **A grade of 30-40% Fe (average 34%) is expected based on previous non-systematic rockchip of the outcropping portion of BIF**

Legend Mining Limited (Legend) today announced the results of a magnetic modelling report by independent geophysical consultants, Southern Geoscience Consultants (SGC), evaluating the magnetite potential of it's Woodley prospect at Gum Creek, see Figure 1.

The report focussed on a 20km strike length of BIF and indicated the potential for a range of 1.75-3.25Bt[1] of magnetite. An expected grade of 30-40% Fe (average 34%) is considered likely based on 48 non-systematic rockchip samples of outcropping BIF taken by Legend and reported previously to the ASX on 4 August 2008.

Legend Managing Director Mr Mark Wilson said, "Having identified this target the next stage is to plan an initial drilling programme to test the modelled targets, whilst considering all options".

Technical Discussion

Forward-modelling (35 forward models) and 3D-inversion modelling (one model) techniques were used by SGC to model 100m line spaced aeromagnetic data over the Woodley BIF. The magnetic modelling was aimed at providing estimates of the thickness, depth to top and magnetic properties of the BIF, then using these estimates to calculate a volume and tonnage for the BIF.

The models along with images created from the magnetic data have been used to calculate a global tonnage estimate of 2.5Bt for the magnetic portion of the BIF. This estimate has a perceived error of ±30%, giving a potential tonnage range of 1.75Bt – 3.25Bt.

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[1] SGC consider the global tonnage estimate to equate to 2.5Bt with a perceived error of ±30% (1.75Bt to 3.25Bt). The tonnage estimate is calculated down to a vertical depth of 250m below surface and assumes a density of 3.3g/cm^3.

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The tonnage estimate is calculated over a 20km strike length, to a vertical depth of 250m below surface and assumes a density of 3.3g/cm^3. The forward models created from profiles of the total magnetic intensity and analytical signal data are well constrained and compare well with the 3D model, providing a good indication of the overall size and attitude of the magnetic BIF. The model results indicate that the BIF sequence is comprised of up to four separate magnetic units with depths between 10-100m below surface.

Figure 2 shows the location and extents of the modelled profiles on an image of the analytical signal of total magnetic intensity for the 20km of BIF. Full details of the forward modelling are also presented in Table 1.

Previous non-systematic rockchip sampling (110 samples) over Woodley was reported to the ASX on 4 August 2008. Of these 110 samples, 48 samples were of outcropping BIF with a range in iron grade of 30-40% Fe and an average of 34% Fe, see Figure 3. (Higher grade samples of goethitic and/or hematitic material potentially representing surficial carapaces with limited depth extent were not included in this group of samples).

The 30-40% Fe grade range indicated by these BIF rockchip samples is consistent with iron grades from magnetite deposits in the Yilgarn District; i.e. Jack Hills Deposit - 2.86Bt @ 30.6% Fe (Crosslands Resources Limited ASX announcement: 22 December 2009), Cashmere Downs Deposit - 822Mt @ 32.5% Fe (Cashmere Iron Limited website, unlisted public company) and Karara Deposit -1.85Bt @ 35.4% Fe (Gindalbie Metals Limited ASX announcement: 4 August 2008).

Background

Legend currently holds interests in an iron ore Project in Cameroon, West Africa, and three Projects in WA, namely, Pilbara, Mt Gibson and Gum Creek.

The Cameroon Project (iron ore, gold) comprises granted exploration permits and applications covering an area of approximately 3,900km^2. Discovery of 50Mt of direct shipping ore (DSO) is the primary target, however itabirite ore (lower grade but potential very high tonnage) will also be targeted. The southern project area has the added advantage of being well served by access infrastructure including rail and road networks to and from the port city of Douala.

The Pilbara Project (iron ore, nickel-copper, zinc-copper) comprises 686km^2 of tenure in the West Pilbara, all within 50km of Karratha. As well as the magnetite potential associated with BIF of the Cleaverville Formation, Legend has identified 14 priority base metal drill targets from Versatile Time-Domain Electromagnetic (VTEM) surveys.

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The Mt Gibson Project (zinc-copper-gold) is located 290km northeast of Perth in the Murchison Province. Mt Gibson operated for 12 years as a gold mine from 1986 following the discovery of gold in surface laterite. The operation produced 870,000 ounces of gold from 16.5Mt of ore at an average grade of 1.68g/t. Legend, through a study conducted in 2006 by Dr S Carras of Carras Mining Pty Ltd, estimated the residual gold Mineral Resource (Indicated and Inferred) to be 8.7Mt at 1.98g/t gold for 559,000 ounces (see 2006 Legend Annual Report).

The Gum Creek Project (iron ore, nickel-copper-platinum group element) is located 640km northeast of Perth in the Yilgarn Province. The Woodley region contains a 22km BIF unit with the potential for a significant tonnage of magnetite. The project is also considered prospective for intrusion-related (Ni-Cu-PGE).

Visit www.legendmining.com.au for further information and announcements.

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Competent Person Statement

The information in this announcement that relates to Exploration Results is based on information compiled by Mr Derek Waterfield, a Member of the Australian Institute of Geoscientists and a full time employee of Legend Mining Limited. Mr Waterfield has sufficient relevant experience in the styles of mineralisation and types of deposit under consideration, and in the activity he is undertaking, 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" (the JORC Code), and consents to the inclusion of the information in the form and context in which it appears.

Exploration Target

While the company remains optimistic it will report resources and reserves in the future at its Gum Creek Project, any discussion in relation to exploration targets, resource potential, reserves or 'ore' is only conceptual in nature, there has been insufficient exploration to define a Mineral Resource at the company's Gum Creek Project and it is uncertain if further exploration will result in the determination of a Mineral Resource.

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Table 1: Forward Modelling Tonnage Estimate

ID	Flight Line	X	Y	Z	Strike	(SI)	Strike Length	Dip	True Width	Depth	Volume (m^3)	Tonnage Mt
10	1003201	737685	6945088	485	-22	2.6	500	90	90	235	10,579,500	34.9
9	1003201	737538	6945044	463	-22	2.6	500	95	70	212	7,384,500	24.4
1	1003701	737772	6944579	477	-22	2.6	500	95	45	226	5,064,200	16.7
2	1003701	737853	6944616	475	-22	2.6	500	90	50	225	5,620,000	18.5
9	1006601	738927	6941920	461	-5	2.6	400	95	70	210	5,868,700	19.4
10	1006601	739052	6941961	462	-5	2.6	400	90	50	212	4,242,000	14.0
5	1007101	738957	6941407	460	-15	2.6	450	95	70	209	6,549,100	21.6
6	1007101	739036	6941433	447	-15	2.6	450	90	50	197	4,437,000	14.6
7	1007101	738873	6941382	446	-15	2.6	450	95	50	196	4,383,200	14.5
8	1007101	739123	6941467	408	-15	2.6	450	90	50	158	3,546,000	11.7
4	1007501	739243	6941077	439	-15	2.6	450	90	30	189	2,547,500	8.4
3	1007501	738926	6940960	445	-15	2.6	450	95	70	194	6,102,100	20.1
2	1007501	739159	6941044	437	-15	2.6	450	90	60	187	5,049,000	16.7
1	1007501	739031	6941001	434	-15	2.6	450	95	50	183	4,097,400	13.5
15	1007901	739360	6940696	447	-15	2.6	400	90	40	197	3,147,200	10.4
14	1007901	738982	6940561	436	-15	2.6	400	95	70	185	5,165,700	17.0
13	1007901	739245	6940653	455	-15	2.6	400	90	75	205	6,153,000	20.3
12	1007901	739132	6940613	440	-15	2.6	400	95	60	189	4,513,500	14.9
8	1008301	739240	6940226	458	-15	2.6	400	95	75	207	6,177,700	20.4
9	1008301	739355	6940279	465	-15	2.6	400	90	90	215	7,722,000	25.5
10	1008301	739109	6940194	467	-15	2.6	400	95	80	217	6,904,000	22.8
11	1008301	739468	6940313	436	-15	2.6	400	90	40	186	2,980,800	9.8
4	1008701	739339	6939842	481	-15	2.6	400	85	159	231	14,697,100	48.5
5	1008701	739484	6939886	476	-15	2.6	400	90	60	226	5,424,000	17.9
6	1008701	739179	6939781	426	-15	2.6	400	85	110	175	7,667,700	25.3
7	1008701	739593	6939889	436	-15	2.6	400	90	40	186	2,980,800	9.8
3	1009101	739385	6939428	476	-15	2.6	450	95	110	225	11,087,300	36.6
2	1009101	739636	6939525	467	-15	2.6	450	85	100	216	9,686,400	32.0
1	1009101	739499	6939465	476	-15	2.6	450	95	110	225	11,087,300	36.6
7	1009601	739601	6938985	471	-10	2.6	500	95	120	220	13,135,500	43.3
8	1009601	739724	6939027	437	-10	2.6	500	80	98	184	9,077,800	30.0
9	1009601	739463	6938932	384	-15	2.6	500	100	49	132	3,256,300	10.7
4	1010101	739655	6938476	435	-5	2.6	500	95	120	184	11,015,700	36.4
5	1010101	739790	6938535	430	-10	2.6	500	80	98	177	8,714,100	28.8
6	1010101	739510	6938418	435	-10	2.6	500	100	79	182	7,169,100	23.7
3	1010601	739674	6937941	431	-12	2.6	450	100	39	179	3,165,000	10.4
2	1010601	739934	6938021	424	-20	2.6	450	80	118	172	9,128,400	30.1
1	1010601	739796	6937978	421	-15	2.6	450	95	120	170	9,153,100	30.2
15	1011001	740113	6937690	398	-20	2.6	450	90	170	148	11,352,600	37.5
14	1011001	739918	6937605	412	-15	2.6	450	95	179	161	12,982,100	42.8
16	1011001	739721	6937539	449	-10	2.6	450	100	39	196	3,481,000	11.5
11	1011501	740111	6937126	384	-15	2.6	500	95	199	133	13,268,400	43.8

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ID	Flight Line	X	Y	Z	Strike	(SI)	Strike Length	Dip	True Width	Depth	Volume (m^3)	Tonnage Mt
12	1011501	740331	6937241	410	-20	2.6	500	95	149	160	11,923,700	39.3
13	1011501	739810	6937026	398	-15	2.6	500	100	89	146	6,467,900	21.3
8	1012001	740263	6936665	417	-25	2.6	500	95	239	166	19,887,800	65.6
9	1012001	740548	6936778	400	-20	2.6	500	95	169	150	12,678,500	41.8
10	1012001	739945	6936547	414	-20	2.6	500	100	89	162	7,170,600	23.7
1	1012501	740410	6936178	454	-30	2.6	500	100	128	201	12,866,500	42.5
4	1012501	740545	6936246	443	-30	2.6	500	95	130	192	12,436,800	41.0
5	1012501	740784	6936319	400	-30	2.6	500	95	149	150	11,186,900	36.9
6	1012501	740206	6936102	395	-30	2.6	500	100	59	143	4,230,500	14.0
27	1013001	740445	6935668	382	-30	2.6	500	100	59	130	3,852,200	12.7
26	1013001	741040	6935880	400	-30	2.6	500	95	149	150	11,179,400	36.9
25	1013001	740781	6935797	439	-30	2.6	500	95	199	188	18,756,400	61.9
22	1013001	740636	6935736	453	-30	2.6	500	100	79	199	7,855,800	25.9
15	1013501	741013	6935340	459	-40	2.6	550	100	177	206	20,047,900	66.2
18	1013501	741161	6935398	442	-38	2.6	550	95	100	192	10,501,600	34.7
19	1013501	741350	6935466	412	-44	2.6	550	95	70	162	6,197,300	20.5
20	1013501	740778	6935247	419	-43	2.6	550	100	59	166	5,399,200	17.8
6	1014101	741199	6934786	400	-43	2.6	550	100	39	147	3,194,100	10.5
2	1014101	741462	6934871	450	-43	2.6	550	100	187	197	20,269,800	66.9
4	1014101	741632	6934933	431	-38	2.6	550	90	70	181	6,957,000	23.0
5	1014101	741780	6934987	400	-38	2.6	550	90	50	150	4,125,000	13.6
10	1014601	741975	6934506	444	-43	2.6	450	100	34	191	2,966,400	9.8
9	1014601	741838	6934465	451	-43	2.8	450	100	177	198	15,821,500	52.2
11	1014601	742082	6934565	407	-38	2.6	450	100	69	155	4,802,500	15.8
14	1014601	741588	6934372	400	-43	2.6	450	100	39	147	2,613,300	8.6
19	1015001	741895	6934069	405	-43	2.6	450	100	39	153	2,707,600	8.9
18	1015001	742336	6934222	423	-38	2.6	450	100	138	170	10,558,100	34.8
16	1015001	742117	6934149	428	-43	2.8	450	100	138	175	10,888,100	35.9
1	1015501	742457	6933725	417	-43	2.8	500	100	89	165	7,297,100	24.1
2	1015501	742637	6933800	415	-40	2.6	500	90	145	165	11,991,500	39.6
4	1016001	742939	6933383	400	-37	2.6	500	90	135	150	10,118,200	33.4
3	1016001	742795	6933337	385	-40	2.8	500	100	69	132	4,565,600	15.1
5	1016501	743158	6932937	416	-40	2.8	500	100	59	164	4,841,500	16.0
6	1016501	743286	6932976	418	-42	2.6	500	90	130	168	10,946,000	36.1
7	1017001	743516	6932520	404	-45	2.8	500	100	54	151	4,094,000	13.5
8	1017001	743665	6932568	439	-45	2.6	500	90	115	189	10,856,000	35.8
1	1017501	743843	6932120	409	-40	2.8	500	95	90	158	7,091,700	23.4
2	1017501	744005	6932167	411	-40	2.6	500	90	135	161	10,847,300	35.8
3	1018001	744208	6931707	365	-40	2.8	500	100	123	113	6,952,600	22.9
4	1018001	744405	6931783	365	-40	2.6	500	90	125	115	7,168,700	23.7
5	1018501	744577	6931323	409	-40	2.8	500	105	155	154	11,867,900	39.2
6	1018501	744775	6931394	363	-40	2.6	500	90	130	113	7,319,000	24.2
7	1019001	745025	6930940	428	-42	2.8	500	95	80	178	7,077,800	23.4
8	1019001	745189	6930999	390	-43	2.6	500	90	80	140	5,580,000	18.4
9	1019001	744904	6930905	426	-42	2.8	500	100	79	174	6,843,200	22.6

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10	1019501	745199	6930472	423	-38	2.8	500	100	49	170	4,187,300	13.8
11	1019501	745313	6930514	421	-42	2.8	500	100	44	168	3,720,600	12.3
12	1019501	745432	6930553	400	-36	2.6	500	100	44	148	3,271,000	10.8
1	1020001	745432	6930038	427	-30	2.8	500	100	49	175	4,296,400	14.2
2	1020001	745543	6930073	438	-30	2.8	500	100	49	185	4,546,200	15.0
3	1020001	745728	6930136	432	-36	2.6	500	90	60	182	5,472,000	18.1
4	1020501	745723	6929598	419	-30	2.8	500	90	25	169	2,115,000	7.0
5	1020501	745831	6929653	413	-30	2.8	500	90	25	163	2,032,500	6.7
6	1020501	746020	6929707	413	-33	2.6	500	90	30	163	2,439,000	8.0
7	1021001	746102	6929223	427	-30	2.8	500	95	55	176	4,830,500	15.9
8	1021001	746294	6929297	417	-33	2.6	500	95	40	166	3,308,700	10.9
10	1021501	746565	6928842	417	-30	2.6	500	95	40	166	3,308,700	10.9
9	1021501	746404	6928792	425	-33	2.8	500	100	54	172	4,664,700	15.4
11	1022001	746632	6928352	416	-30	2.8	500	95	55	166	4,538,500	15.0
12	1022001	746811	6928409	433	-28	2.6	500	95	20	182	1,814,100	6.0
											TOTAL	**2,486**

Table Parameters:

X, Y, Z	East, north and RL coordinates for the top of model.
Strike	Strike direction of the model.
SI	Modelled magnetic susceptibility $x10^{-3}$.
Strike Length	Interpolated strike length between models.
Dip	Dip of the model.
True Width	True thickness of the model.
Depth	Down dip depth extent of the model.
Volume	Volume of model.
Tonnage	Tonnage calculated from strike, thickness, depth and assumed 3.3g/cm^3 density.

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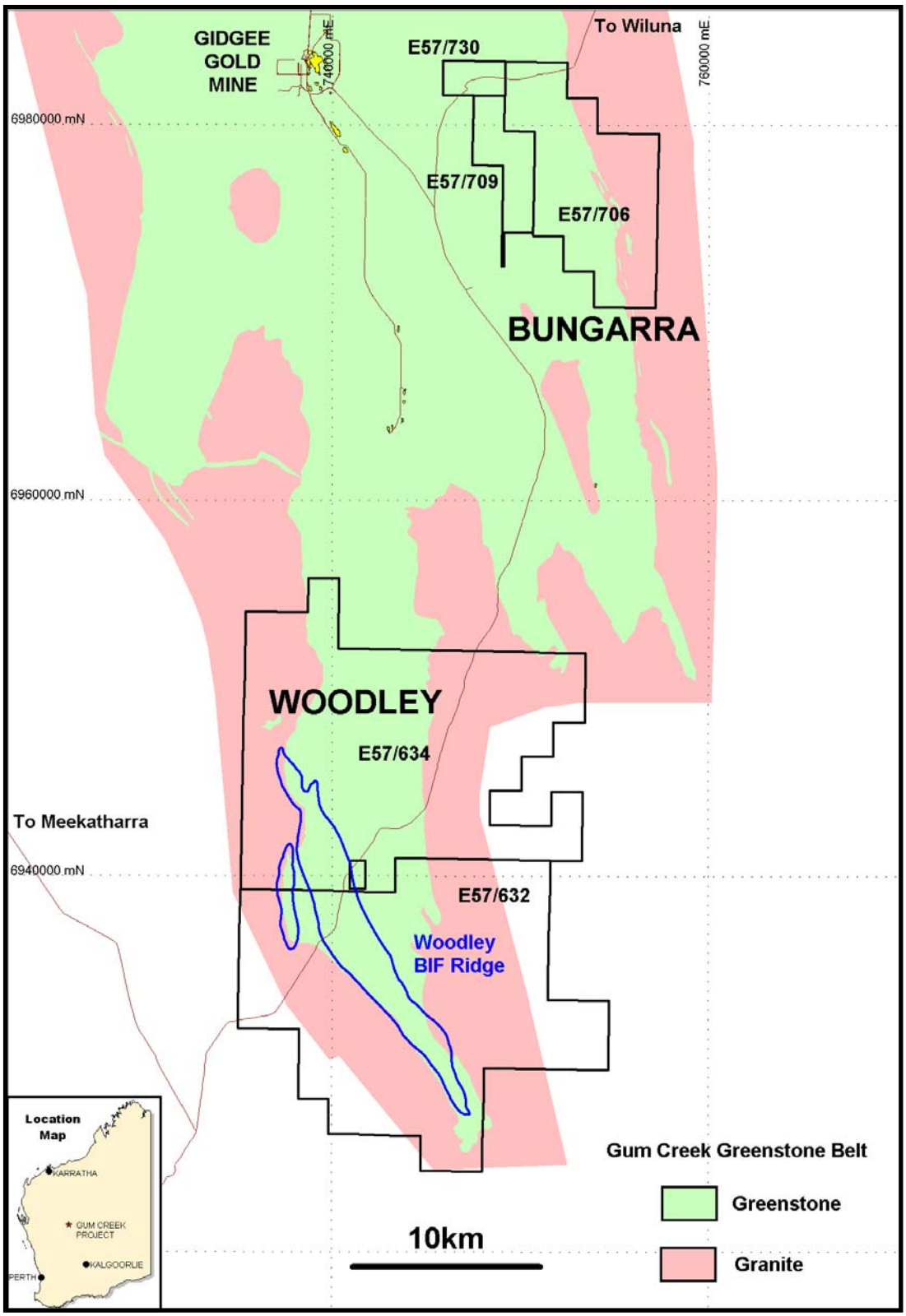

Figure 1: Gum Creek Project – Showing Location of Woodley BIF

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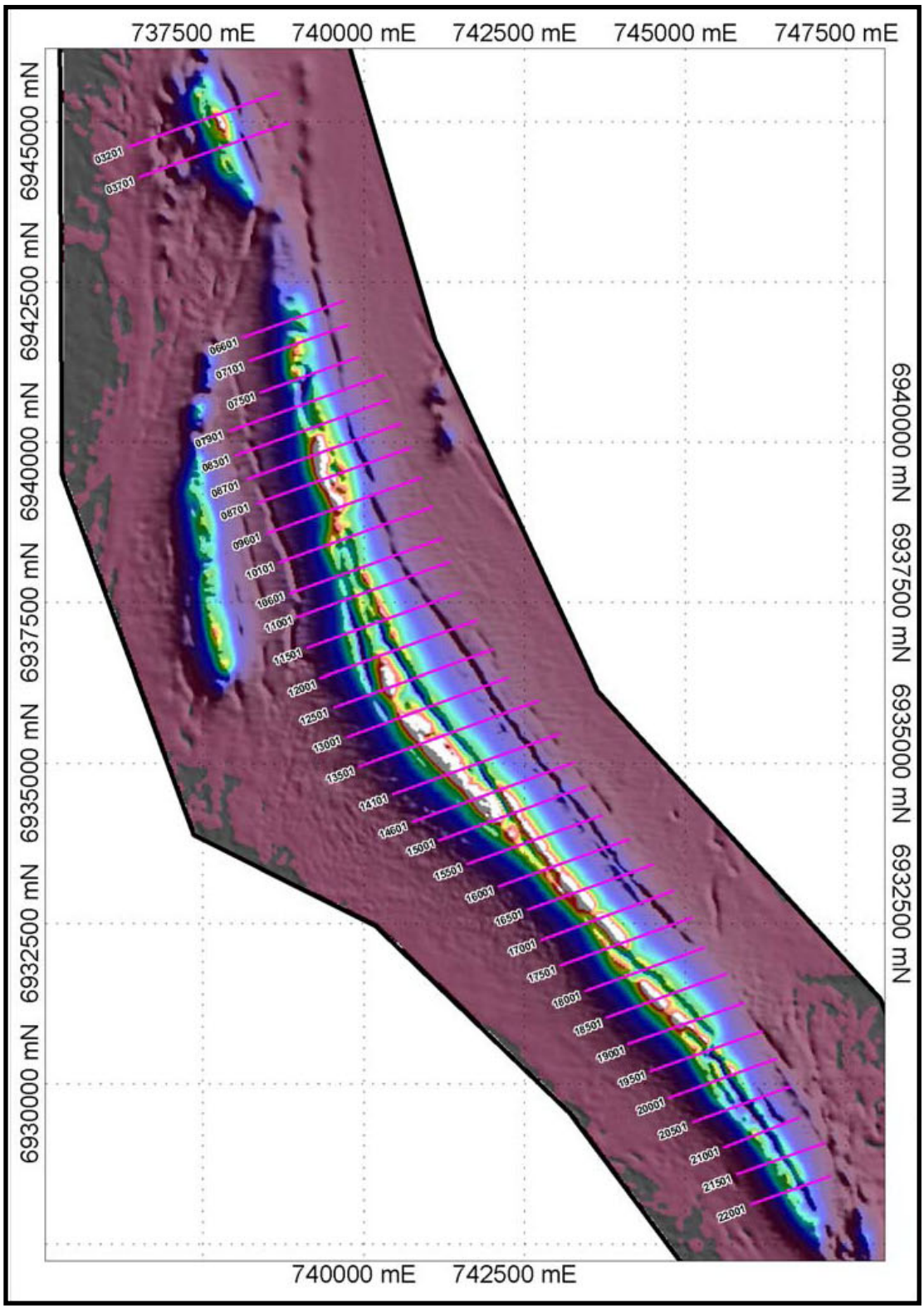

Figure 2: Location and extents of modelled profiles over Woodley BIF on image of the analytical signal of total magnetic intensity

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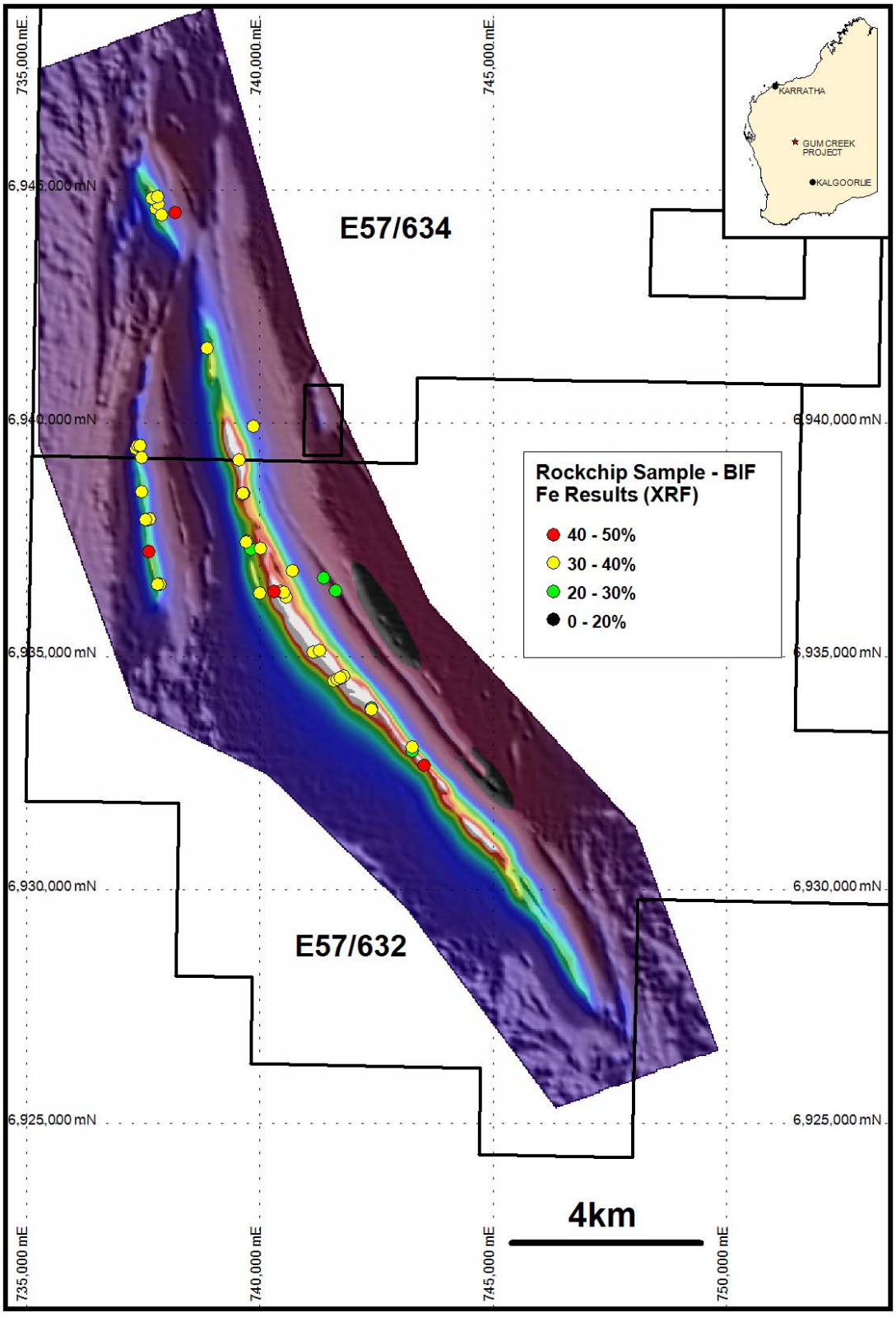

Figure 3: Rockchip samples (iron) of BIF over image of total magnetic intensity

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