



14 April 2010

ASX Announcement

CAMEROON IRON ORE PROJECT ROCKCHIP RESULTS

- High grade iron (65.2% to 69.3% Fe) rockchip samples at Eseka
- Exploration team now operational
- Field camp established at Eseka

Legend Mining Limited (Legend) is pleased to announce the results of the first batch of rockchip samples from the Ngovayang tenement at its Cameroon Project in West Africa, see Figure 1.

Table 1 details results from rockchip float samples of massive magnetite which were the highlight results from the 72 assays received to date.

Table 1: Massive Magnetite – Eseka Prospect Rockchip Results

Sample No.	UTM_E	UTM_N	Fe%	SiO ₂ %	Al ₂ O ₃ %	P%	LOI%
583001	696241	399663	69.1	0.9	0.9	0.02	-1.0
583109	696111	399950	67.1	1.3	1.5	0.07	0.5
583117	696343	400355	68.7	0.6	1.5	0.02	-1.5
583131	695798	399973	65.2	2.0	1.3	0.21	3.0
583133	696175	400009	66.1	1.6	0.9	0.13	3.5
583134	696285	399994	67.3	1.8	1.2	0.08	0.1
583136	696710	400010	66.9	0.9	1.4	0.13	2.6
583213	696217	399614	65.7	1.2	1.6	0.06	2.0
583215	696384	399615	69.3	0.7	1.0	0.03	-1.4

Co-ordinates: Universal Transverse Mercator WGS84, Zone 32 ,Northern Hemisphere

Assay Method : Fe, SiO₂, Al₂O₃ by fusion XRF, P% calculated from P₂O₅ fusion XRF

LOI – Loss on Ignition at 1,000⁰C by fusion XRF

Since the arrival in Cameroon of Exploration Manager Mr John Stockley, on 4 February 2010, a team of six Cameroon geologists have been recruited and a field camp established 3km outside the Eseka township. (See photos page 2).

Legend Managing Director Mr Mark Wilson said “It is pleasing to have recruited our team and established our camp within the first 60 days of our ownership of the project. The early results, especially of the massive magnetite samples are particularly encouraging. We are now looking to establish a better understanding of the geology of the Eseka Prospect to be able to confidently plan our first drill programme”.

“Our Cameroon subsidiary, Camina SA, is now for all intents and purposes close to a fully functioning exploration company” he added.

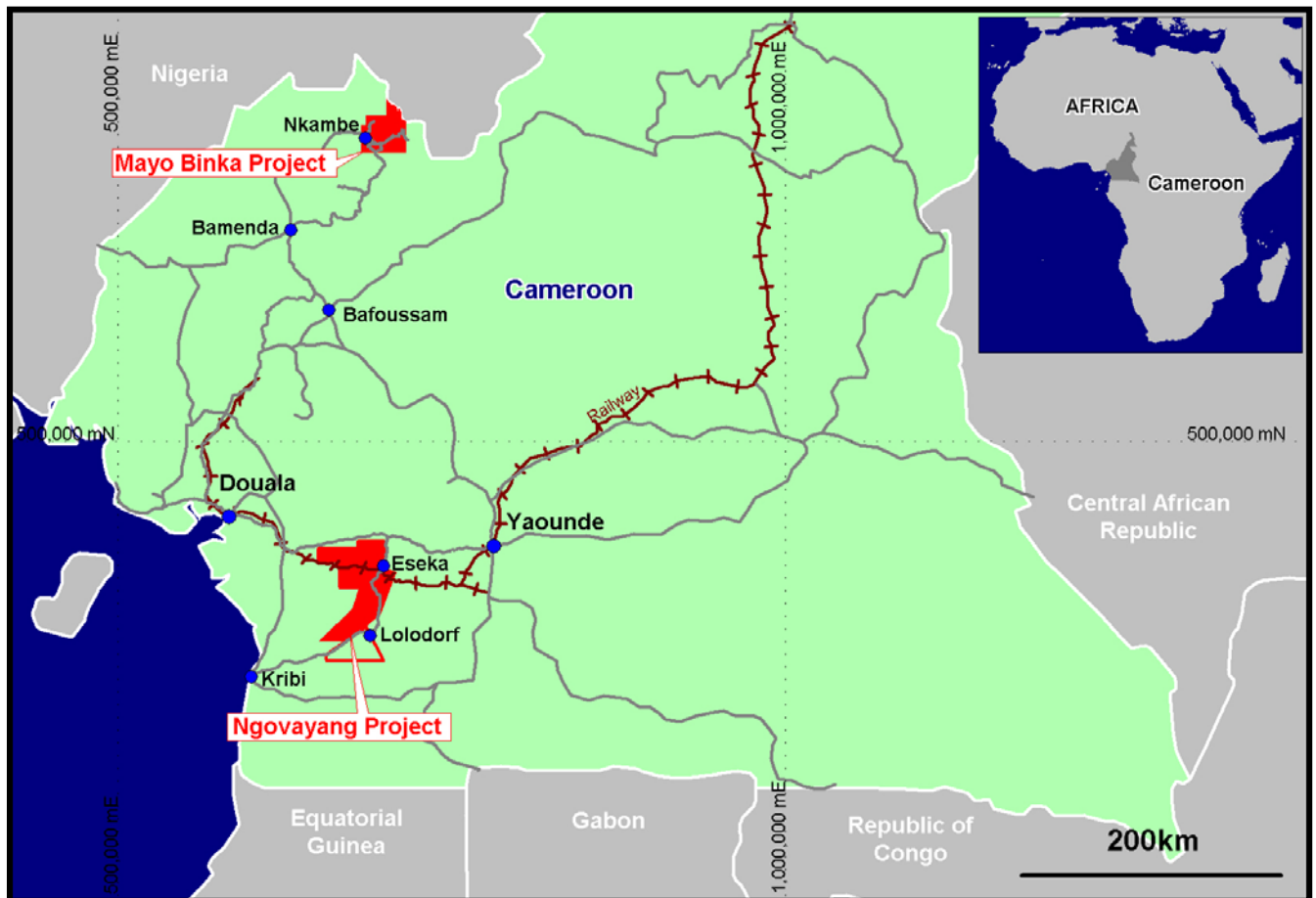
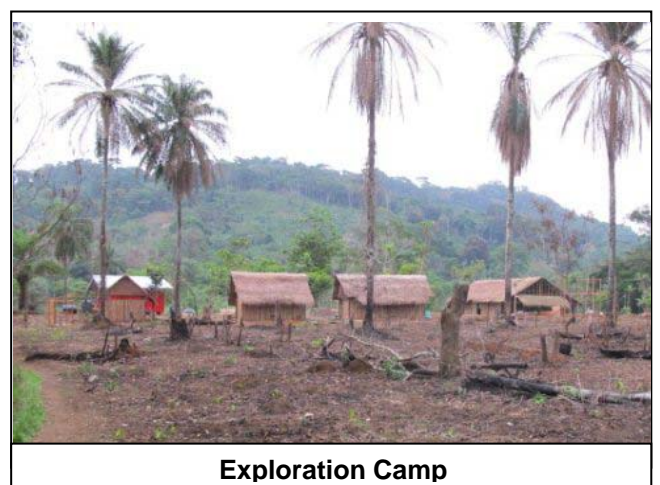


Figure 1: Cameroon Project Location





Technical Discussion

Eseka Prospect

- Results returned from 72 rockchip float/grab samples.
- Geological mapping, geochemical sampling and trenching ongoing.
- Establishment of 52.2km of gridlines with 400m spacing.
- Exploration field camp established.
- Environmental approvals for drilling road access and base line studies underway.

Exploration has been focussed on the Eseka area and included establishing gridlines over the prospect at 400m spacing to assist geological mapping and rockchip float sampling. Geological mapping, geochemical sampling and trenching activities are ongoing and critical to advancing the geological knowledge of the prospect in conjunction with the aeromagnetic data.

A field exploration camp has been established in the northern part of the prospect to aid field activities and logistics. Environmental approvals and base line studies with community consultation is underway in the Eseka region in preparation for future drill rig access.

Results from a total of 72 non-systematic rockchip float/grab samples have been received from Eseka, of which 60 relate directly to iron exploration. An additional 91 rockchip float/grab samples have been submitted for analysis with results pending.

The rockchip samples fall into three broad categories based on rock type and associated assay results; 1) massive magnetite, 2) goethitic/limonitic material after itabirite, and 3) weathered itabirite with variable iron/silica content.

The massive magnetite group is characterised by high iron values between 65-69% Fe with associated low silica, alumina, phosphorus and loss on ignition (LOI) values. The goethitic/limonitic group has an iron range of 50-63% Fe with varying levels of silica, alumina, phosphorus and LOI. Iron values of the weathered itabirite group have a range of 30-47% Fe (average 39% Fe) with associated silica ranging from 11-51% SiO₂ (average 39% SiO₂), which is typical for itabirite bodies.

Results for these three groups of samples are presented in Appendix 1, while sample locations with iron values are shown on Figure 2.

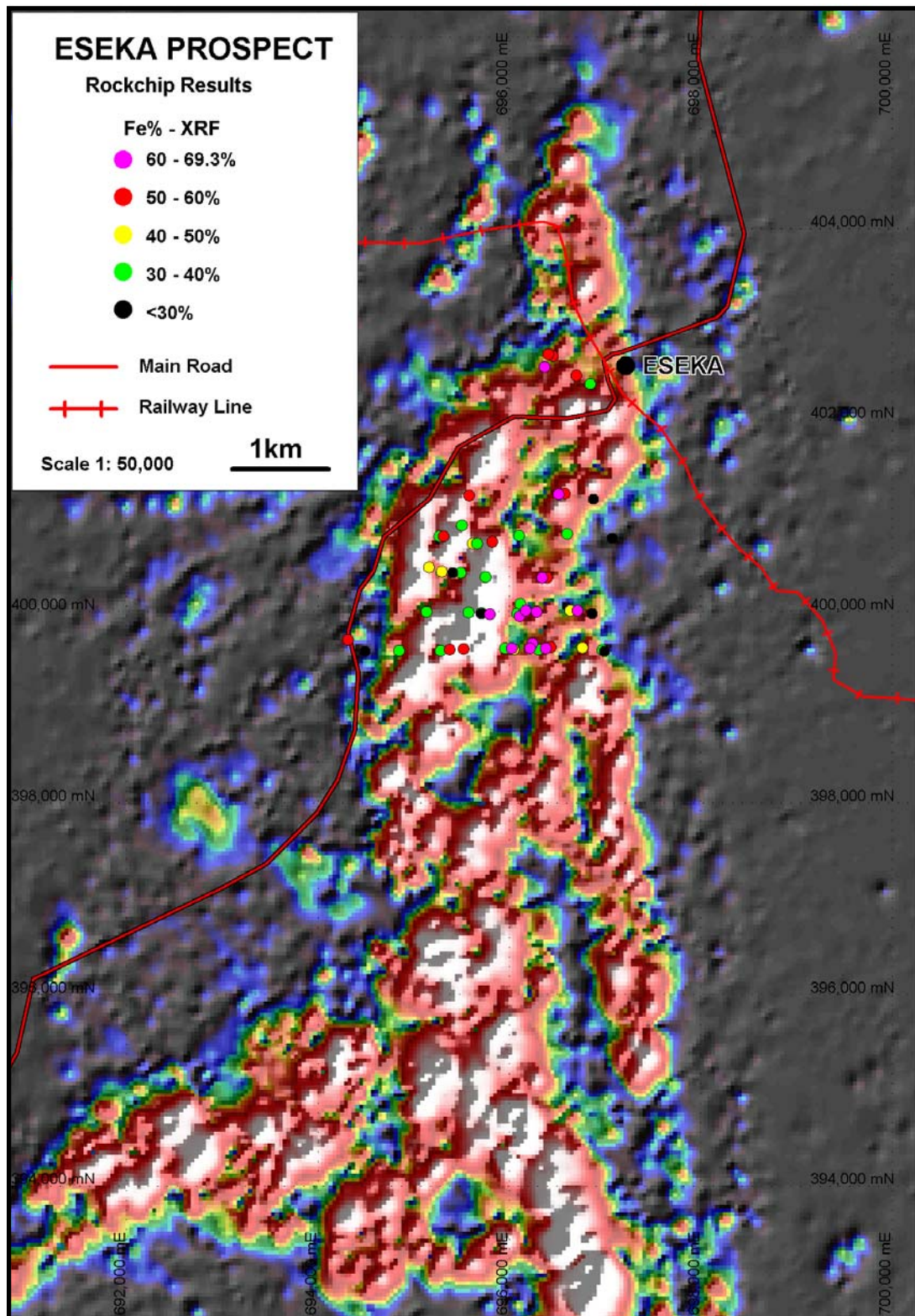


Figure 2: Eseka Prospect – Rockchip Sample Results (Iron) on Aeromagnetic Image (Analytical Signal of Total Magnetic Intensity)



Ngovayang Regional Exploration

- Final processing of the aeromagnetic/radiometric data completed.
- Aeromagnetic litho-structural interpretation to identify regional targets.
- Reconnaissance underway at two regional targets adjacent to the railway line.
- Processing of Landsat remote sensing data targeting iron mineralisation and associated alteration patterns.

Final processing of the aeromagnetic and radiometric data, including the infill flight lines, over the entire Ngovayang District has now been completed. The infill flight lines have provided additional detail over the magnetic features allowing better definition/resolution for ground follow-up.

The identification of numerous large/strong coherent magnetic features by the aeromagnetic survey highlights the iron prospectivity of the Ngovayang District. To assist with iron mineralisation targeting, a project wide litho-structural interpretation of the aeromagnetic data is being undertaken to provide additional geological framework. Processing of Landsat data utilising various “filters” to highlight areas with elevated iron content will also be used in conjunction with the aeromagnetic and radiometric data to identify targets.

Mayo Binka

- Completion of aeromagnetic/radiometric survey at Mayo Binka.
- Previous rockchip sample results ranged from 54.9% to 67.4% Fe.

The aeromagnetic/radiometric survey was completed over the Mayo Binka tenement with a total of 3,177 line km flown, see Figure 3. Magnetic features were identified in the central eastern portion of the tenement associated with an area with known outcropping massive magnetite/hematite. Previous rockchip sampling of this outcropping massive magnetite/hematite and associated itabirite units returned iron values ranging from 55-67% Fe, see Table 4. Further ground reconnaissance is required to fully assess the significance of the features.

Table 4: Mayo Binka - Rockchip Results

Sample No.	UTM_E	UTM_N	Fe %	SiO ₂ %	Al ₂ O ₃ %	P %	LOI %
JS9	705938	729660	67.4	0.5	0.6	0.01	1.9
JS10	705520	729048	63.0	2.0	1.7	0.06	5.5
JS11	705009	727598	64.0	1.3	1.7	0.12	5.0
JS12	705010	727600	55.2	19.6	0.2	0.01	1.3
JS13	705154	727993	54.9	12.9	0.6	0.01	0.2

Co-ordinates: Universal Transverse Mercator WGS84, Zone 32 ,Northern Hemisphere

Assay Method : Fe, SiO₂, Al₂O₃, P by fusion XRF

LOI – Loss on Ignition at 1,000⁰C by fusion XRF

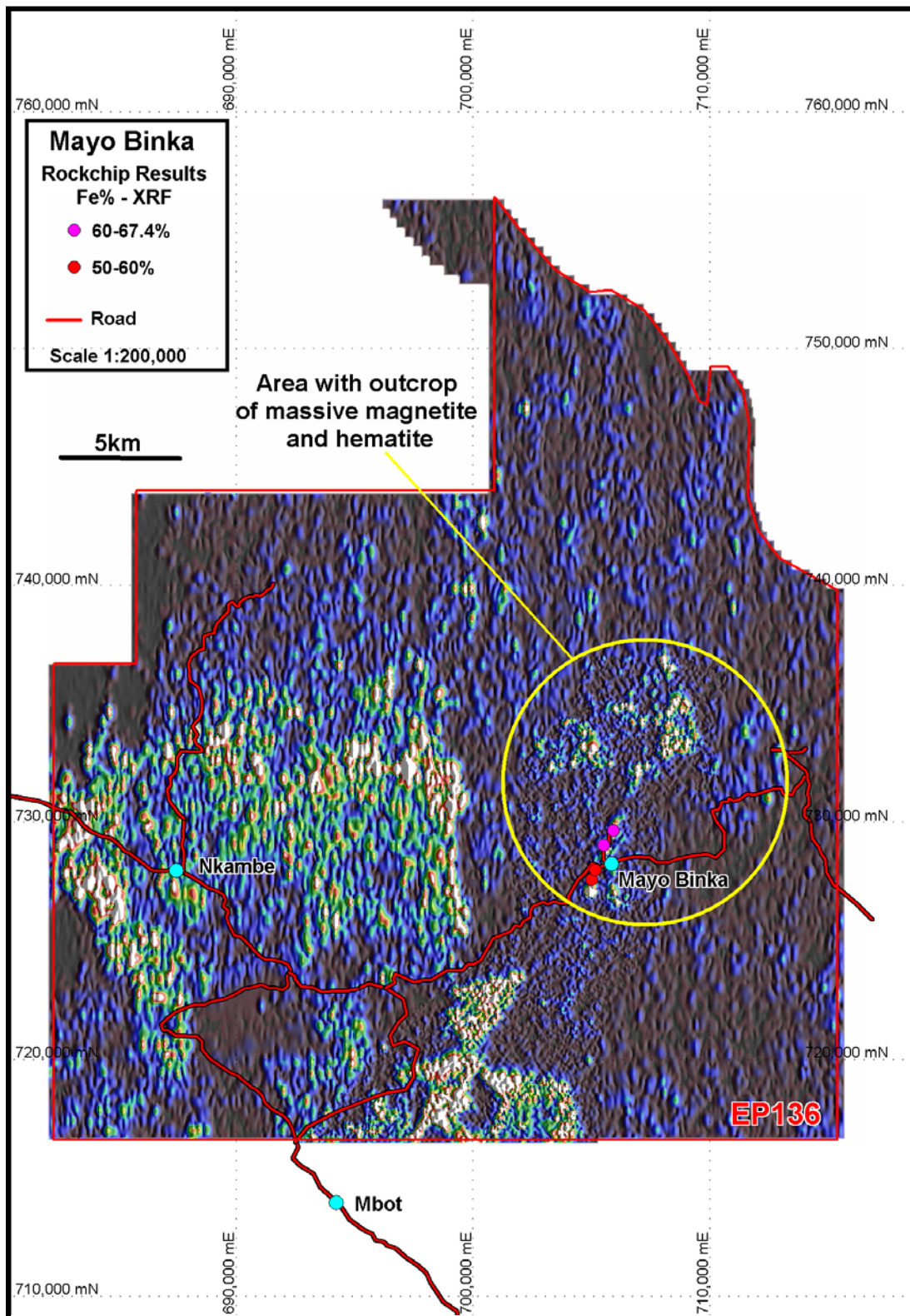


Figure 3: Mayo Binka Project - Rockchip Sample Results (Iron) on Aeromagnetic Image (Analytical Signal of Total Magnetic Intensity)



Appendix 1 – Eseka Prospect Rockchip Results

Table 1: Massive Magnetite – Eseka Prospect Rockchip Results

Sample No.	UTM_E	UTM_N	Fe%	SiO ₂ %	Al ₂ O ₃ %	P%	LOI%
583001	696241	399663	69.1	0.9	0.9	0.02	-1.0
583109	696111	399950	67.1	1.3	1.5	0.07	0.5
583117	696343	400355	68.7	0.6	1.5	0.02	-1.5
583131	695798	399973	65.2	2.0	1.3	0.21	3.0
583133	696175	400009	66.1	1.6	0.9	0.13	3.5
583134	696285	399994	67.3	1.8	1.2	0.08	0.1
583136	696710	400010	66.9	0.9	1.4	0.13	2.6
583213	696217	399614	65.7	1.2	1.6	0.06	2.0
583215	696384	399615	69.3	0.7	1.0	0.03	-1.4

Co-ordinates: Universal Transverse Mercator WGS84, Zone 32 ,Northern Hemisphere

Assay Method : Fe, SiO₂, Al₂O₃ by fusion XRF, P% calculated from P₂O₅ fusion XRF

LOI – Loss on Ignition at 1,000⁰C by fusion XRF

Table 2: Goethitic/Limonitic Material – Eseka Prospect Rockchip Results

Sample No.	UTM_E	UTM_N	Fe%	SiO ₂ %	Al ₂ O ₃ %	P%	LOI%
583102	696697	402467	50.6	5.3	7.5	0.41	14.4
583103	696453	402669	57.5	3.3	3.7	0.33	10.5
583104	696408	402690	52.6	6.0	4.3	0.33	14.2
583105	696370	402551	63.5	1.6	2.3	0.09	4.8
583107	695821	400729	54.8	4.1	2.5	0.51	14.5
583118	696397	400354	53.1	4.3	4.7	0.54	14.0
583122	695316	400784	50.3	10.3	4.1	0.39	13.2
583201	695579	401209	55.5	3.3	2.5	0.55	14.5
583202	696516	401223	60.4	2.7	3.7	0.21	7.6
583203	696581	401229	57.8	4.1	3.6	0.26	9.6
583206	694317	399703	53.9	5.1	2.6	0.51	14.5
583208	695375	399600	51.6	13.8	1.5	0.45	9.7
583211	696026	399618	62.5	1.7	2.7	0.17	6.5
583216	696433	399626	52.6	4.6	6.2	0.25	13.5
583217	695525	399608	50.7	5.5	7.4	0.37	14.3

Co-ordinates: Universal Transverse Mercator WGS84, Zone 32 ,Northern Hemisphere

Assay Method : Fe, SiO₂, Al₂O₃ by fusion XRF, P% calculated from P₂O₅ fusion XRF

LOI – Loss on Ignition at 1,000⁰C by fusion XRF



Table 3: Itabirite – Eseka Prospect Rockchip Results

Sample No.	UTM_E	UTM_N	Fe%	SiO ₂ %	Al ₂ O ₃ %	P%	LOI%
583002	685737	391906	35.5	46.4	0.7	0.09	1.2
583004	684189	382946	39.3	41.5	0.7	0.04	0.3
583005	684185	382944	33.2	51.2	0.5	0.02	0.7
583009	680036	396368	43.8	34.3	0.8	0.04	2.2
583010	680029	396340	43.1	36.1	0.4	0.03	0.8
583011	680021	396242	43.9	36.1	0.3	0.08	0.1
583012	680024	396213	43.3	36.4	0.3	0.07	1.4
583013	680044	396148	44.8	35.3	0.2	0.07	0.3
583014	679920	395761	44.0	34.6	1.0	0.06	-0.3
583101	696849	402376	30.3	37.1	10.3	0.03	6.1
583106	695501	400901	39.6	40.7	0.6	0.08	0.5
583108	696115	400078	36.7	42.8	1.1	0.09	0.2
583110	695158	400460	42.6	36.2	0.7	0.09	0.8
583111	695292	400419	45.5	11.8	9.5	0.04	12.8
583113	695489	400402	35.2	45.5	0.6	0.10	-0.4
583114	695490	400403	30.4	47.8	0.5	0.13	1.8
583115	695489	400402	35.7	47.5	0.1	0.07	0.2
583116	695750	400358	36.6	42.1	1.2	0.10	0.0
583119	695663	400706	35.7	46.0	0.5	0.07	0.2
583120	695617	400708	42.8	37.0	0.8	0.09	0.4
583121	695268	400788	39.2	39.1	1.0	0.09	0.3
583123	696099	400791	34.5	43.4	2.2	0.08	-0.2
583124	696604	400808	35.9	44.9	1.1	0.09	0.1
583127	695135	399998	38.0	42.4	1.2	0.10	0.5
583128	695572	399990	38.9	38.2	1.6	0.17	2.8
583130	695708	399983	33.5	46.3	1.3	0.08	1.1
583132	696080	399980	37.0	43.3	0.9	0.10	1.5
583135	696634	400010	44.1	26.4	1.3	0.14	8.3
583205	694850	399592	30.9	44.9	6.3	0.21	1.2
583207	695282	399592	38.4	41.9	1.2	0.06	0.1
583209	695525	399608	45.0	18.5	5.0	0.29	10.8
583210	695957	399616	37.2	41.9	1.7	0.07	0.7
583212	696047	399603	47.7	15.5	4.0	0.07	12.3
583214	696307	399601	37.9	41.5	0.9	0.08	1.1
583218	696766	399622	40.2	38.8	0.5	0.05	1.5
583219	696975	399598	39.3	40.2	0.6	0.04	0.8

Co-ordinates: Universal Transverse Mercator WGS84, Zone 32 ,Northern Hemisphere

Assay Method : Fe, SiO₂, Al₂O₃ by fusion XRF, P% calculated from P₂O₅ fusion XRF

LOI – Loss on Ignition at 1,000⁰C by fusion XRF



Background

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

The Cameroon Project (iron ore, gold) comprises granted exploration permits and applications covering an area of approximately 3,900km². 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 686km² 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.

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 both intrusion-related (Ni-Cu-PGE) and komatiite flow-related Ni-sulphide mineralisation.

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).

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.