



**30 September 2010**

**ASX Announcement**

## **SEASONAL WET SUSPENDS DRILLING IN CAMEROON**

Heavy seasonal rain has resulted in Legend Mining Limited (Legend) suspending its diamond drilling programme at the Ngovayang Project in Cameroon, West Africa, see Figure 1. A three week suspension to drilling, matching drill crew rosters, has been planned with a review of conditions to take place before drilling recommences.

Legend Managing Director Mr Mark Wilson said "It is early days at Eseka, and I am encouraged by news of good drill results from African Aura's Nkout iron ore project located approximately 200km ESE of Ngovayang. Geological mapping by the BRGM in the 1980's indicates that the Nkout region has many similarities to that of Ngovayang".

To date, a total of 15 holes for 707.66m have been completed over two targets in the Eseka area. The drillholes have intersected a thin package of metasediments, including magnetite bearing itabirite, however no material of economic significance has been encountered.

Mr Wilson further commented "Heavy rain has hampered logistic support to the rig causing the suspension decision. Legend remains fully committed to the original 5,000m drilling programme, with seven of nine targets identified yet to be tested".

Legend commenced this drill programme on 4 August 2010, with geological prospectivity, the location of infrastructure and easy access, as the target selection criteria, see Figure 2.

### **Technical Discussion**

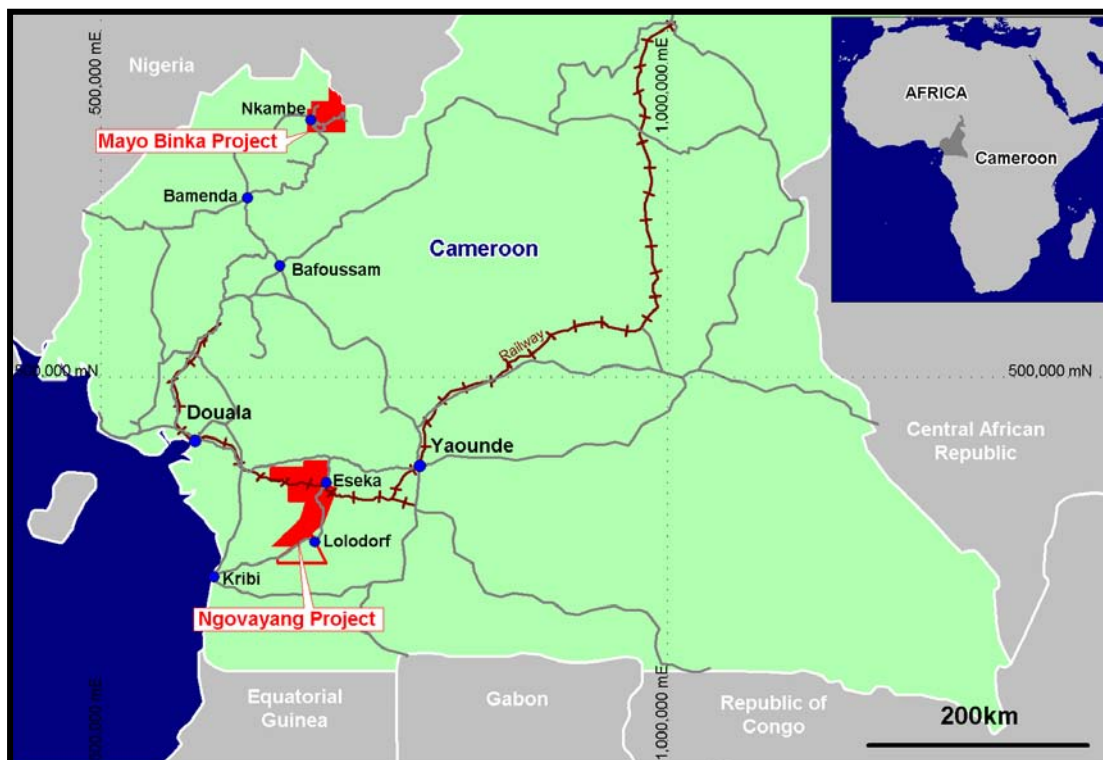
A total of 15 holes for 707.66m have been completed over the Hill 464 and Alpha prospects in the Eseka region, see Table 1 and Figure 2. The drilling was targeting a combination of aeromagnetic and topographic highs associated with +50% Fe rockchip sample results.

The drilling intersected a sequence of up to 10m of ferruginous saprolite overlying a highly oxidised package of metasediment, including altered itabirite and thin magnetite rich units. The thickness and iron grades (indicative grades from the Niton XRF analyser) of these itabirite units are not sufficient to be economic. The metasediments unconformably overlie a basement package of alternating garnet gneiss and magnetite gneiss followed by a zoned quartzite unit.

The aeromagnetic features tested by the drilling can be explained by the combined effects of the abundant magnetite found either in the metasedimentary sequence or in the basement gneiss.

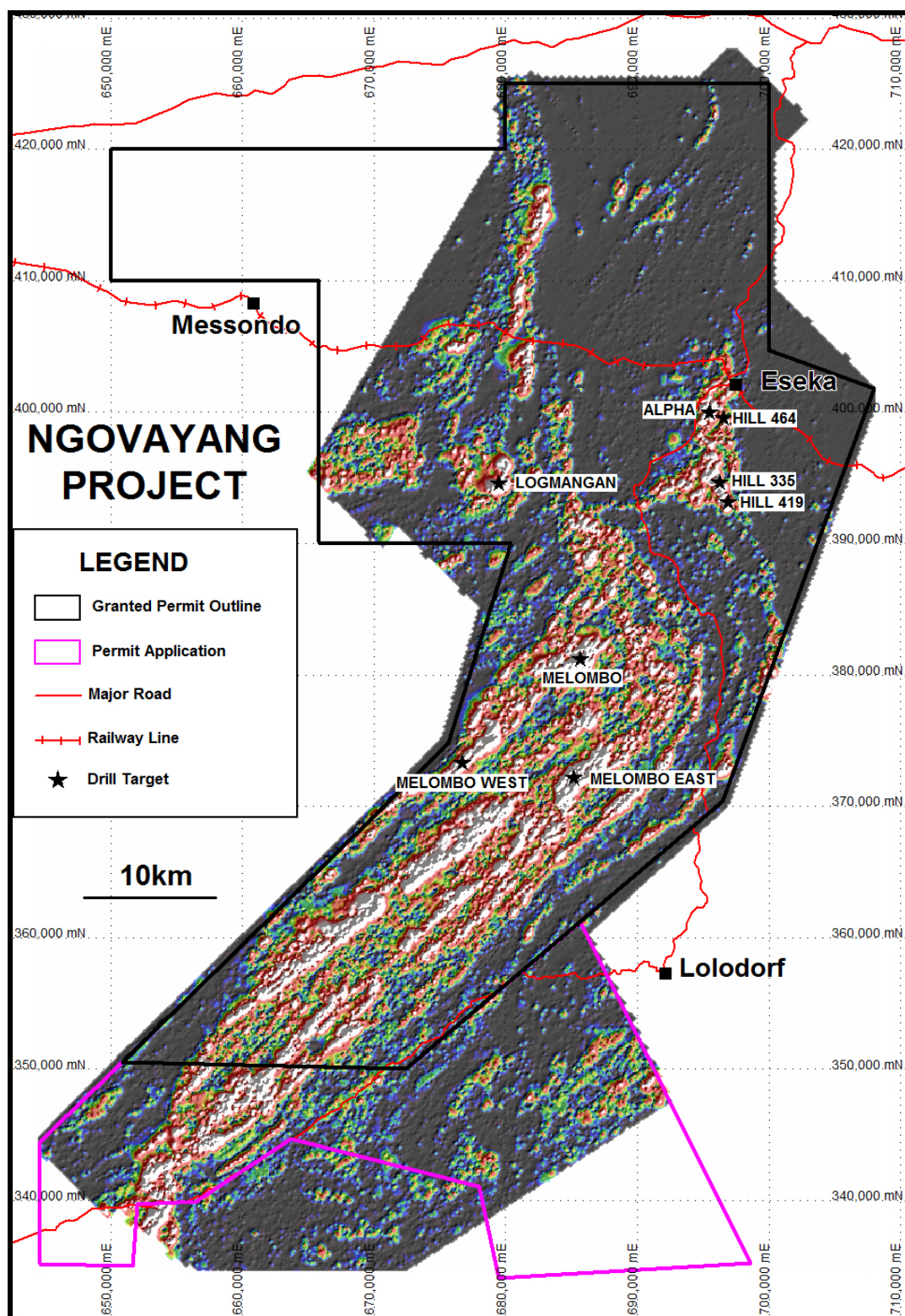
| Hole ID | Easting | Northing | Prospect | Dip/Azimuth | Final Depth |
|---------|---------|----------|----------|-------------|-------------|
| NESD001 | 696367  | 399748   | Hill 464 | -60/270     | 90.28       |
| NESD002 | 696407  | 398095   | Hill 464 | -90/000     | 19.65       |
| NESD003 | 696538  | 398530   | Hill 464 | -90/000     | 40.23       |
| NESD004 | 696470  | 399672   | Hill 464 | -90/000     | 19.43       |
| NESD005 | 696233  | 397114   | Hill 464 | -90/000     | 36.02       |
| NESD006 | 696501  | 398001   | Hill 464 | -90/000     | 21.02       |
| NESD007 | 696594  | 397999   | Hill 464 | -90/000     | 22.62       |
| NESD008 | 696690  | 397800   | Hill 464 | -90/000     | 38.83       |
| NESD009 | 697000  | 399157   | Hill 464 | -90/000     | 71.88       |
| NESD010 | 695024  | 399363   | Alpha    | -90/000     | 80.04       |
| NESD011 | 695675  | 400197   | Alpha    | -90/000     | 71.92       |
| NESD012 | 695175  | 399799   | Alpha    | -90/000     | 42.09       |
| NESD013 | 695335  | 398813   | Alpha    | -90/000     | 56.91       |
| NESD014 | 695300  | 398810   | Alpha    | -90/000     | 46.28       |
| NESD015 | 695361  | 399653   | Alpha    | -90/000     | 50.46       |

Drilling utilised an Ingetrol man portable diamond drilling rig – HQ and NQ core sizes.  
Co-ordinates: Universal Transverse Mercator WGS84, Zone 32, Northern Hemisphere



**Figure 1: Cameroon Project Location**

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**Figure 2: Ngovayang Prospect Locations on Aeromagnetic Image  
(Analytical Signal of Total Magnetic Intensity)**





## 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 3,900km<sup>2</sup>. 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<sup>2</sup> 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](http://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.*