



## ASX RELEASE

31 January 2013

### December Quarterly Activity Report

#### Summary

- **RC Drilling planned to commence in February, initially to follow up 18m @ 1.12g/t Au intersected at the Line 3 prospect, Bouroubourou, then to test other prospects.**
- **The A4 and A1 prospects on the Bouroubourou permit and the A4 prospect on the Woye permit will be prioritized for drill testing.**
- **About 2,100m of trenching completed at Garaboueya South - results awaited.**
- **Mapping at Wassadou South has identified quartz veining to the north of the prospect. Results of sampling are awaited.**
- **Mapping of trenches and laterite, combined with soil geochemistry results, indicates that up to 30% of the prospective ground might be concealed. Studies underway for possible RAB drilling programs to test.**

#### Exploration Activity

The focus in the December quarter has been on geological evaluation and trenching to define drill targets for a reverse-circulation (RC) drilling programme that will commence in February 2013. Additional work will be undertaken on Woye, Wassadou South and Lingokoto tenements during the 2013 exploration season to further define drill targets.

At Bouroubourou a target for immediate evaluation has been identified through widely spaced RAB drilling, completed by Erin in June 2012. This drilling encountered anomalous gold mineralisation over a 160 metre wide zone, including 18m @ 1.12g/t Au, associated with both massive and laminated quartz veining. About 2,000m of follow up RC drilling has been planned below and along strike from this intersection. The zone lies along an intermittent soil geochemistry anomaly that extends over 1km. The anomaly sits within a major north easterly trending structure between volcanic and igneous rocks and is only 8km along trend from the Gora gold deposit (0.4M Ounces at 5g/t Au), which is also associated with quartz veining.

The A4 and A1 prospects at Bouroubourou also sit on geochemical anomalies that extend for over 1km. These prospects have never been drilled and also sit on the north easterly trending structures that seem to consistently host gold deposits in Senegal. Trenching and prospecting on these permits during the quarter have identified shearing, alteration and quartz veins that would be consistent with gold mineralization. Results from this work are awaited.

About 2,100 metres of trenching has been completed at Garaboueya South. This trenching is confirming that much of the prospect lies under cover, where geochemistry would not be effective. It is possible that rapid air blast (RAB) drilling might be a more cost effective way to explore below the cover on this prospect. Evaluation and planning are underway.

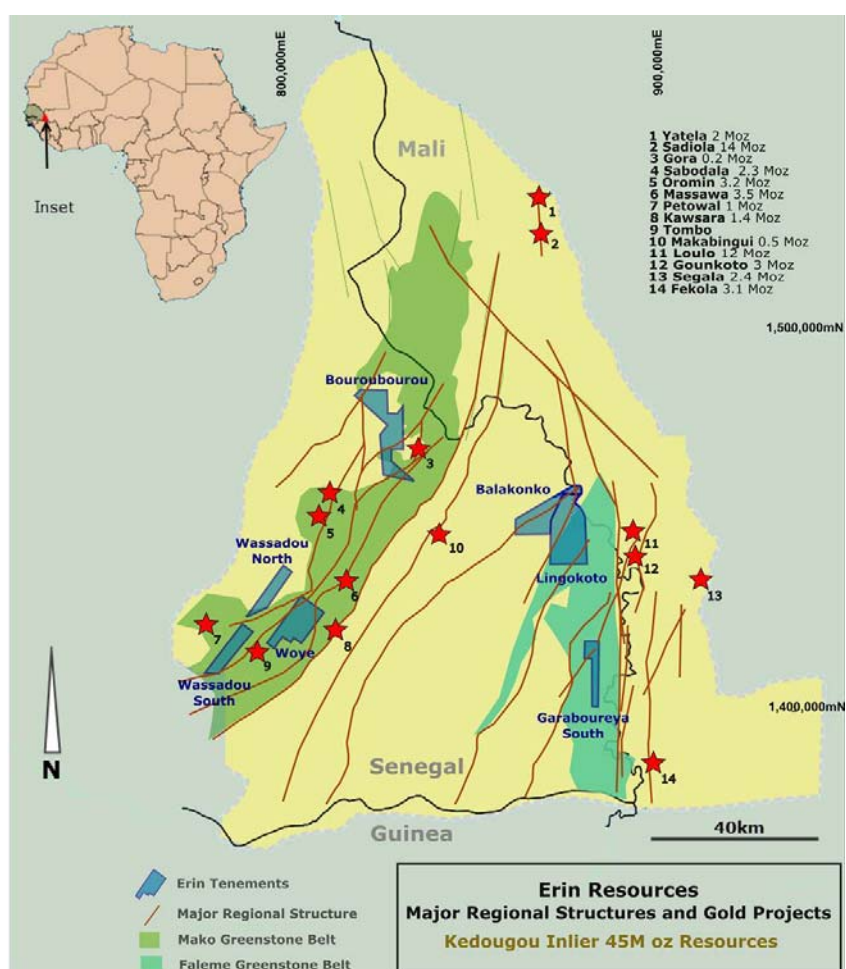
Prospecting at Wassadou south has identified quartz veining north of the geochemical anomaly. Results from sampling are awaited.

Mapping of the laterite and in particular the duricrust (or curasse) has identified that geochemistry is not effective in these areas. As a result, areas previously thought to be unprospective need to be revisited. RAB drilling is an effective tool in such areas and an evaluation is underway to test geochemical anomalies and structures that might extend beneath the duricrust and therefore be possibly undetectable with geochemistry. A complete mapping program for all prospects is underway to identify other areas that might also be concealed. Remote sensing techniques are also being deployed to enable more efficient regional mapping of the laterite.

## Background

Erin holds 77.5-80% joint venture interests in a portfolio of 7 project areas within the Kedougou Inlier which is the host to several multi-million ounce gold deposits as well as a number of significant undeveloped gold resources and developing discoveries.

Figure 1 – Geological Framework



## **Corporate**

On 27 November 2012, the Company held its Annual General Meeting of which all resolutions were passed. On 22 October 2012 the Company lodged its 2012 Annual Report, which is available to view on our website [www.erinresources.com.au](http://www.erinresources.com.au)

### **Cash Position at 31 December 2012**

The Company had a closing cash balance of \$1.36m at 31 December 2012.

### **Competent Persons Statement**

*The information in this document that relates to Exploration Results is based on information compiled or reviewed by Mr Neil Inwood who is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Inwood is a full time employee of the Company and has sufficient experience which is relevant to the style of mineralisation and type of deposit 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 Inwood consents to the inclusion in this document of the matters based on his information in the form and context in which it appears.*