



ASX RELEASE

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Significance of Early Exploration Results Confirmed *Potential of the Exploration Opportunity Reinforced*

Highlights

- **Initial exploration completed by Erin at its Senegal Gold Projects defined strong gold anomalism at Bouroubourou, Woye and Garaboureya South.**
- **Recently completed regional studies have confirmed the significance of the early exploration results and reinforced the potential of the Erin project portfolio.**
- **High level structural review confirmed a close relationship between gold anomalism defined on the Erin tenements and regional tectonic lineaments that correlate to major gold deposits.**

Erin has defined a number of promising gold targets in geological/structural settings with potential to host substantial gold mineralisation through its recently completed work programs. Erin holds 77.5 - 80% joint venture interests in a portfolio of tenements forming 7 separate project areas within the Kedougou Inlier, Senegal, West Africa.

The Company's Bouroubourou, Woye and Wassadou South tenements are situated within the Mako Greenstone Belt in the western part of the Kedougou Inlier, and the Balakonko, Lingokoto and Garaboureya South tenements are situated in the Faleme Greenstone Belt in the eastern part of the Kedougou Inlier (Figure 1).

The gold endowment of the Kedougou Inlier is amongst the highest within the West African gold province. The Inlier is host to several multi-million ounce gold deposits as well as a number of significant undeveloped gold resources and developing discoveries.

In nearly all cases, gold mineralisation within the Kedougou Inlier is developed on major geological structures, several of which traverse Erin's Mako and Faleme Belt tenements (Figure 1).

2012/13 Exploration Program Set To Commence

The Company, as part of its planning and targeting work for the 2012-2013 field season (due to commence in November), conducted a review of the structural and geological setting in the regions surrounding and within the Erin project areas.

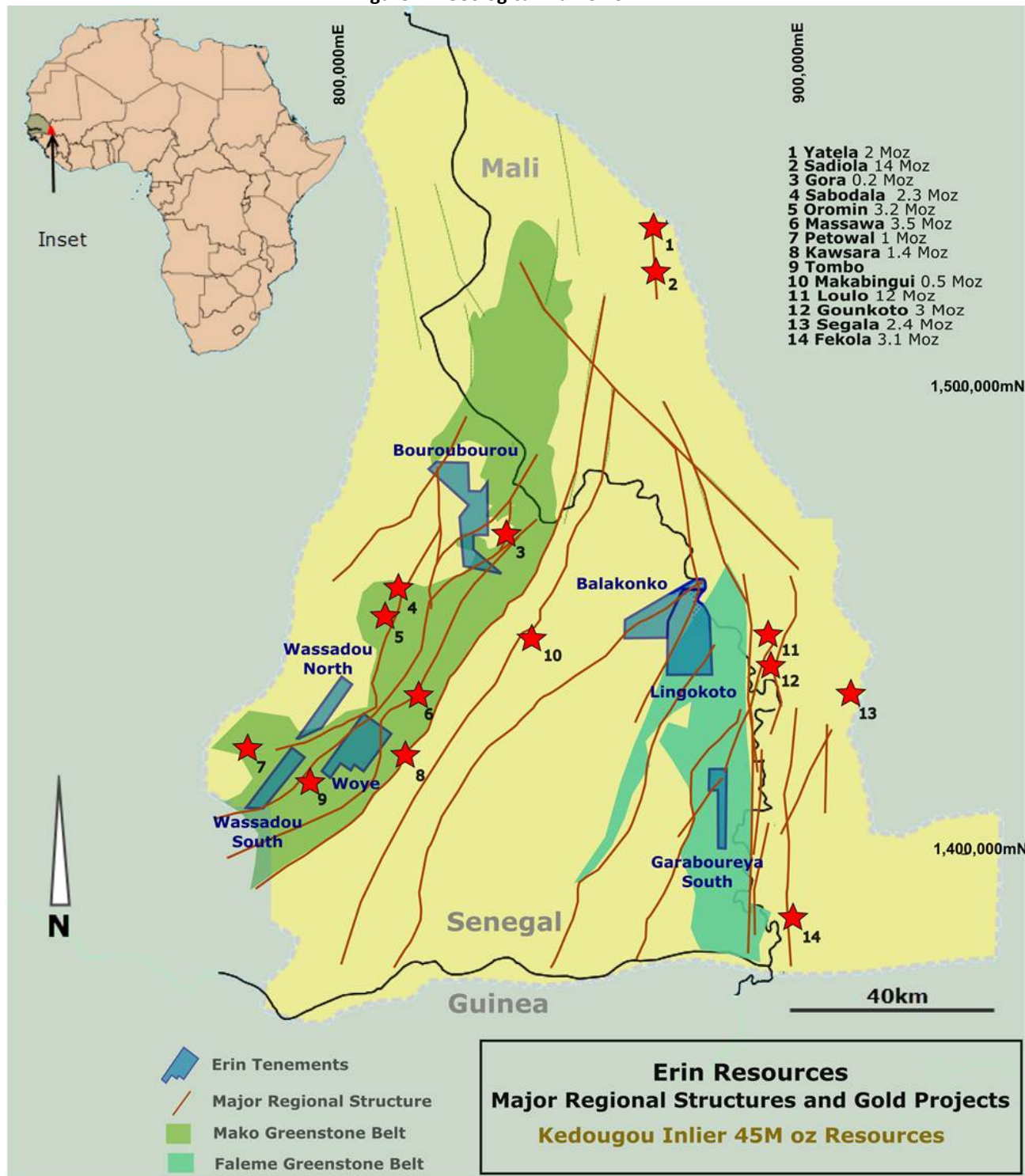
This work confirmed the presence of favourable structural settings at each of the projects and further highlighted geological features which evidence the development of major hydrothermal gold mineralising systems within the Bouroubourou, Woye, and Wassadou South projects. Significant gold deposits (Massawa, Tombo, Gora and Patowal) are developed in close proximity to the Woye, Bouroubourou and Wassadou South tenements.

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 lying within the influence of a major north easterly trending structural zone, in an analogous setting to the nearby Gora gold deposit.

Further detailed structural analysis also highlighted the favourable position of the Lingokoto and Garaboueya South project areas within a major 10km wide NNE trending structural corridor that is characterised by strong shearing and north-east trending second order faults. The Loulo (12 million ounces), Goukoto (6 million ounce) and Fekola (3.1 million ounces) gold deposits are developed within this corridor.

Erin’s Lingokoto and Garaboueya South projects cover similar geological sequences to those in which the Loulo and Goukoto gold deposits are developed and these sequences have a similar deformation history.

Figure 1 – Geological Framework



Exploration of Erin's Faleme Belt projects is at an early stage with only first pass soil sampling programmes completed to date. Nevertheless, results have been highly encouraging with the immediate focus being upon the strong and extensive gold in soil anomalism delineated at Garaboueya South.

The conclusions drawn from the regional structural review reinforce the prospectivity of the Erin project portfolio and draw attention to the significance of the results achieved in the first pass exploration programmes undertaken late in the 2011-2012 field season.

Exploration activity is to recommence in November, following the end of the wet season where trenching and drilling will occur on the priority targets.

Grant Davey, Erin's Managing Director commented: *"Erin is exploring one of the most promising, and relatively unexplored, tenement portfolios within one of the most prolific gold belts in West Africa. Despite the early nature of our exploration we have identified a number of exciting targets. The recent regional structural review has reinforced our view that we have exceptional exploration opportunities within our portfolio."*

About Erin in Senegal

Erin Resources Limited (ASX: ERI) has majority interests (77.5 to 80% - see May 2012 Announcement) in 7 gold projects that are well positioned within the Kedougou Inlier of the Archaean Birimian Craton. The Kedougou Inlier contains over 45 million ounces of gold resources, most of which have been discovered in recent years. There is excellent potential on Erin's ground for significant gold discoveries of similar tenor to the deposits recently discovered in the Inlier.

*Grant Davey
Managing Director*

Competent Persons Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr Paul Cranney, Consulting Geologist. Mr Cranney is a Fellow of the Australian Institute of Geoscientists and a Member of The Australasian Institute of Mining and Metallurgy. Mr Cranney has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activities undertaken 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 Cranney consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.