

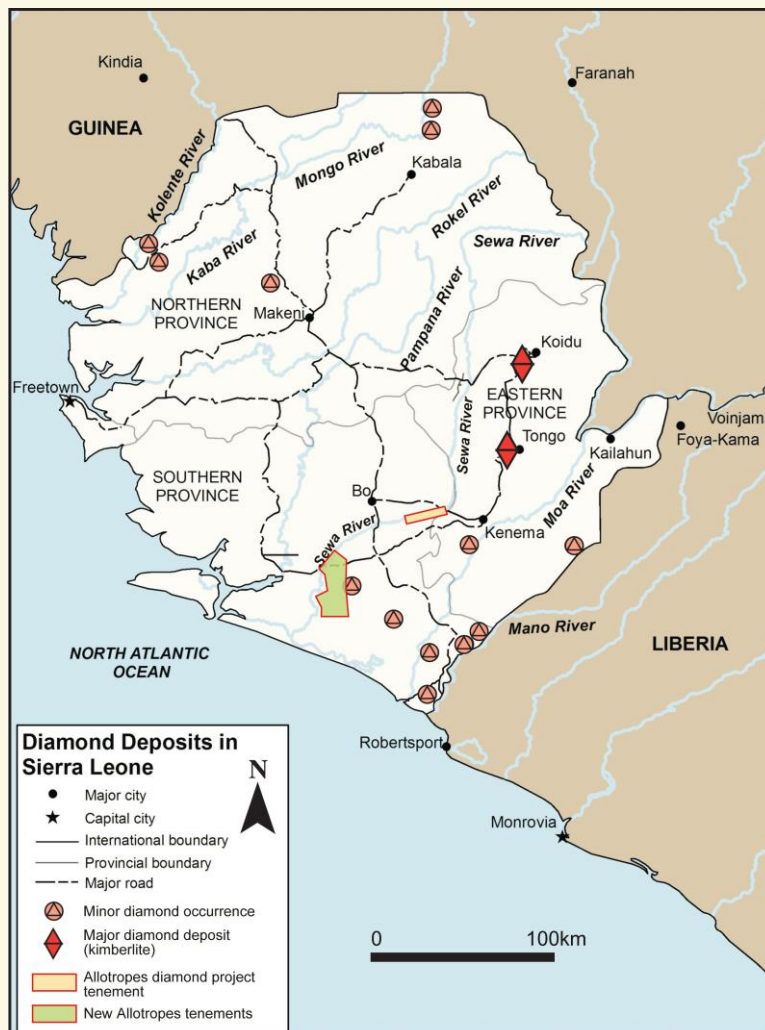
## Newfield Expands Tenement Holding in Sierra Leone

ASX Code: **NWF**

### Highlights

#### Allotropes Diamond Project

- Ground position significantly increased through the granting of two new exploration licences in Sierra Leone (Figure 1).
- The new licences are considered to be prospective for both alluvial and primary diamond deposits.
- Tenement holding in Sierra Leone now totals in excess of 540km<sup>2</sup>.



**Figure 1.** Locality of the existing Allotropes' Exploration Licence and new Exploration Licences along the diamondiferous Sewa River, Sierra Leone.



Photograph of diamonds recovered from processing of bulk samples from Newfield Resources Ltd's Allotropes Diamond Project in Sierra Leone.

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#### DIRECTORS

Mr Bryan Alexander  
(Executive Director)

Mr Anthony Ho  
(Executive Director)

Mr Joshua Letcher  
(Executive Director)

Mr Murray Kornweibel  
(Non-Executive Director)

Ms Sanny Nanang  
(Non-Executive Director)

Mr Giap Ch'ng Ooi  
(Non-Executive Director)

#### CAPITAL STRUCTURE

Shares on Issue: 145.75M  
Options on Issue: 69M

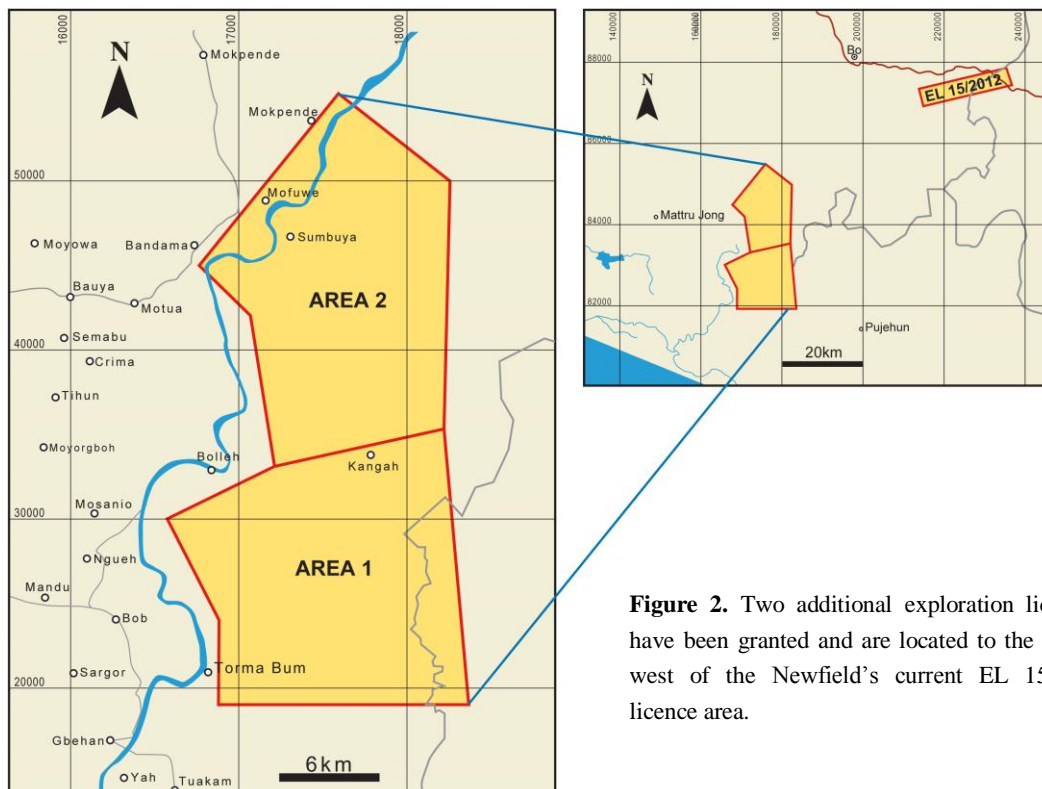
## ALLOTROPES DIAMOND PROJECT – SIERRA LEONE (NEWFIELD 100%)

### New Exploration Licences Granted in Sierra Leone

Newfield Resources Ltd (“Newfield” or “the Company”) has significantly increased its tenement holding in Sierra Leone through the granting of two additional exploration licences. The two new exploration licences total 439km<sup>2</sup> and are located approximately 45 kilometres south-west of the Company’s existing EL 15/2012. (Areas 1 and 2, Figure 2). The new licences are considered to be prospective for both alluvial (secondary) and kimberlite (primary) diamond deposits.

Areas 1 and 2 are interpreted to be underlain by granulitic gneisses, quartzites and migmatites of the Archaean age Kasila Group, through which Jurassic-age (c.140-146 Ma; Skinner *et al.*, 2004) kimberlite pipes and dykes have intruded (cf. Koidu and Tongo kimberlite fields). The Jurassic kimberlites are considered to represent one province of kimberlites that track from older bodies in neighbouring Guinea (e.g. Droujba kimberlite; 153Ma) to progressively younger kimberlites in Sierra Leone (Skinner *et al.*, *op. cit.*). Exploration proposed for the Area 1 will include review and compilation of all available historical exploration data and the acquisition of high-resolution airborne magnetic data. These datasets will then be integrated to define and prioritise targets for further exploration.

Area 2 covers an approximate 14km reach of the diamondiferous Sewa River and hosts minor areas of historical artisanal diamond workings. Area 2 has also been subject to an extensive airborne aeromagnetic survey conducted by a previous exploration company. Re-processing and re-interpretation of the aeromagnetic dataset by Newfield has provided the definition of the underlying geology and structure in the tenement area and has identified numerous potential kimberlite dykes, pipes and blows. Many of the basement anomalies spatially correlate with surficial diamondiferous cover, comprising terraces and swamps/flats that border the Sewa River, as well as inland swamp deposits. In particular, three interpreted kimberlite dyke swarms striking at approximately N65°E, cross the survey area, and numerous high-interest kimberlite pipe signatures have also been identified.



**Figure 2.** Two additional exploration licences have been granted and are located to the south-west of the Newfield’s current EL 15/2012 licence area.

## REFERENCES

Skinner, E.M.W; Apter, D.B.; Morelli, C.; Smithson, N.K. (2004). Kimberlites of the Man Craton, West Africa, Lithos 76 (2004), p. 233-259

## COMPETENT PERSON'S STATEMENT- DIAMONDS

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves on the Allotropes Diamond's Sierra Leone Diamond Project, is based on information compiled by Mr Richard Hall who is a Member of the Australasian Institute of Mining and Metallurgy and a member of the Australian Geological Society and who is an employee of Allotropes Diamonds Pty Ltd and Newfield Resources Limited.

Mr Hall 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 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Hall consents to the inclusion in this ASX release of this information in the form and context in which it appears.