

Newfield Expands Tenement Holding in Sierra Leone

ASX Code: **NWF**

Highlights

Allotropes Diamond Project

- Tenement coverage of the Allotropes Diamond Project expanded by c.462km² by the grant of two new exploration licences (ELs), (Figure 1).
- New tenements host 38.5 km reach of the diamondiferous Sewa River (Figure 1).
- Tenement position now c.790km² across five ELs with a total of c.95 km of Sewa River reach (Figure 1).
- New tenements complete the acquisition of a strategically contiguous suite of ground holdings over a substantial portion of the historic southern alluvial diamond fields of Sierra Leone.
- New tenements have extensive aeromagnetic dataset from previous surveys conducted by former licence holders.
- Preliminary review of existing datasets shows the new ELs to host extensive alluvial terrace deposits and numerous previously sampled dredge targets and island bar-head gravel occurrences.

The Company has targeted up to 10 high-interest kimberlite targets for follow-up ground-truthing in H1 2015. This work will include investigation of the 'Gigantor' target, an interpreted carbonatite pipe over c.1km diameter, with the potential to host diamonds and Rare Earth Elements (REEs).

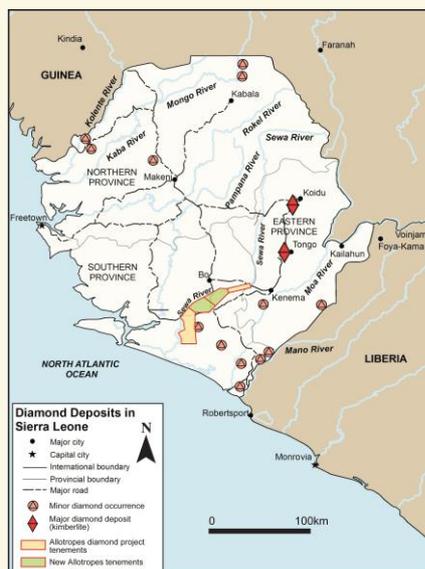


Figure 1. Locality of the existing Allotropes' Exploration Licence and new Exploration Licences along the diamondiferous Sewa River, Sierra Leone.



Photographs of diamonds recovered from the processing of bulk samples from Newfield's Allotropes Diamond Project in Sierra Leone.

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ALLOTROPES DIAMOND PROJECT – SIERRA LEONE (NEWFIELD 100%)

Two Further 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 a further two exploration licences, (249.53km² and 212.25km², respectively for Areas 3 and 4), in addition to those announced in its July 2014 update. The two new exploration licences total 461.8km² in area and abut the Company’s existing EL 15/2012. (Areas 3 and 4, Figure 2) thereby completing a strategically contiguous landholding along a substantial portion of the historical Sewa River diamond field. The five EIs now incorporate a total of 95 km of reach of the diamondiferous Sewa River system.

Prospectivity - The new licences are considered to be prospective for both alluvial (secondary) and kimberlite (primary) diamond deposits. A pitting program on an extensive area of alluvial terrace occurrence in Area 3 will be initiated shortly. This will include a reconnaissance pitting program over island bar-head gravel occurrences within the Sewa River itself; these targets have proved to be very attractive resources in the Kasai-Occidental Province of the DRC (pers. obs.). In addition, the locality of sampled dredge targets, previously identified by the former licence holders will be verified, as well a field investigation over the localities interpreted to be high-interest kimberlite targets. This will include the “Gigantor” target, an interpreted carbonatite pipe over 1km in diameter. Carbonatites are part of the kimberlite-carbonatite spectrum and in the Canary Archipelago, have recently proven to be mildly diamondiferous (Shumilova, 2008). However, carbonatites world-wide are more significant for, and the primary source of, REEs.

Work Program - The exploration program proposed for both Areas 3 and 4, will include a 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. Areas 3 and 4 also host a 38.5km reach of the diamondiferous Sewa River that hosts areas of historical artisanal diamond workings. Both areas have also been subject to an extensive reconnaissance 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 what is believed to be, numerous kimberlite dykes, pipes and/or 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, interpreted kimberlite dyke swarms and numerous high-interest kimberlite pipe signatures have also been identified and which are the subject of a later follow-up high-resolution magnetometry survey in H1 2015.

Geology - Areas 3 and 4 are interpreted to be predominantly underlain by an infracrustal basement complex comprising migmatitic and porphyroblastic gneisses and granitoids of Archaean age (Figure 3), 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.*). Area 3 additionally hosts a tongue of late of Precambrian (620 Ma) to Cambrian sedimentary (tillites, conglomerates and shales) and volcanic assemblages (dacites and andesites) comprising the southerly extent of the Rokel River Group, which was deposited unconformably on the basement complex within an intracratonic fault bounded basin (the Rokel River trough or half-graben; Ennih and Liégeois, 2008).

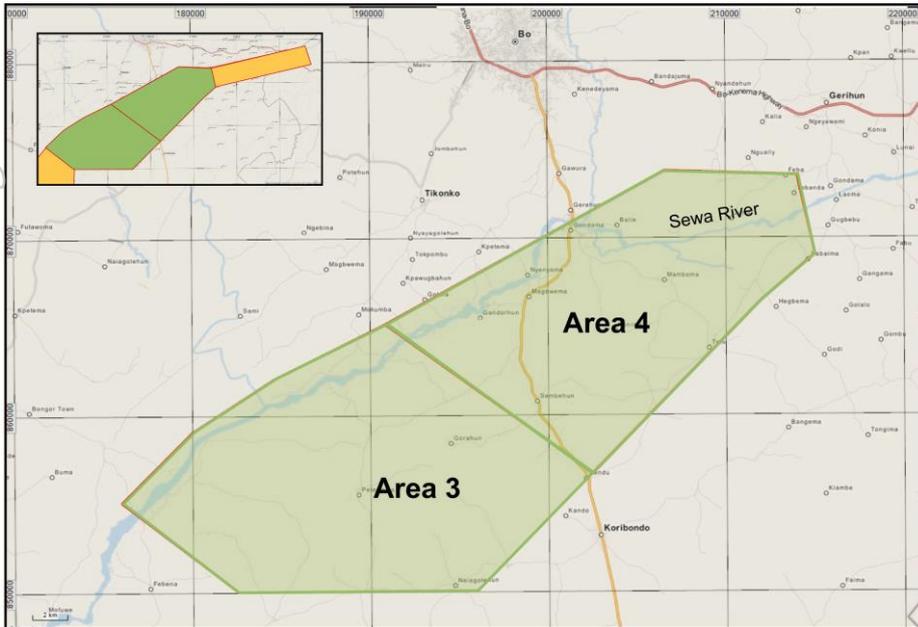


Figure 2. Two additional exploration licences (Areas 3 and 4) have been granted and are located adjacent to Newfield's original EL 15/2012 licence area (inset).

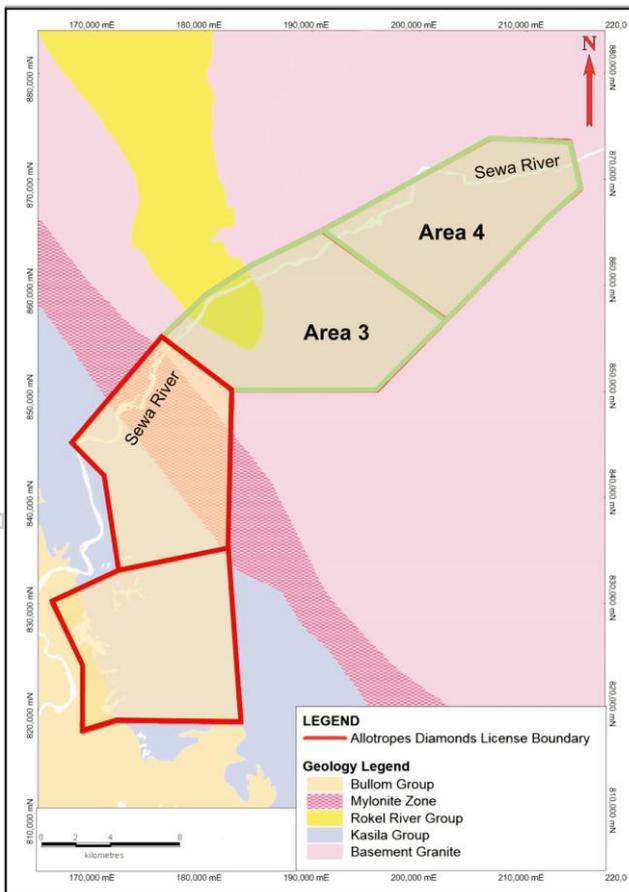


Figure 3. Basement geology of the area underlying the new licence areas 3 and 4. The areas are prospective for primary kimberlite and carbonatite bodies that have intruded the basement. In addition, the two areas are host to c.38km of diamondiferous Sewa River frontage.

REFERENCES

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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 Fellow of the Australasian Institute of Mining and Metallurgy and a Member of the Australian Geological Society and who is an employee of 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.