

9 September 2022

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## Calvert South Prospect – Drilling Update

- **Completion of maiden drilling program at Calvert South identifies visible copper and zinc mineralisation in RC chips**
- **Drill program at Calvert South has targeted regionally anomalous copper, bismuth and antimony soil geochemistry identified in 2021**
- **Ten first-pass reverse circulation (RC) drillholes completed for 2,095m**
- **Drilling samples despatched with results expected in October**
- **Preliminary field-based portable XRF measurements confirm visual identification of copper and zinc mineralised intervals in drillholes**
- **Drilling at the Calvert South Prospect is in an area last traversed and geologically mapped by the Northern Territory Geological Survey in 1982**
- **A total of 1,900 regional and infill soil samples have been collected at Calvert South during the 2022 field season**

NT Minerals Limited (ASX: NTM) ('NT Minerals', 'NTM' or 'the Company') is pleased to advise that a successful maiden drilling programme has been completed at Calvert South within the Company's Redbank Copper Project in the McArthur Basin, Northern Territory.

Ten first-pass percussion drillholes have been completed for a total of 2,095m (see Figure 4) at Calvert South. Drillholes have tested priority targets within a broad 30km multielement anomalous footprint identified with soil sampling at Calvert South in 2021 (see ASX announcement dated 3 March 2022).

Drill and soil samples have been dispatched to Intertek in Townsville for multielement analysis. The Company anticipates first results to be available in October, subject to laboratory turn around.

Drilling has targeted the Wollogorang Formation, interpreted as a fertile and permissive sediment horizon for copper deposits. This sediment horizon is sandwiched between the upper Gold Creek Volcanics and the lower Settlement Creek dolerite which all gently dip at  $\sim 15^\circ$  to the NNW.

Visual copper and zinc mineralization was identified within the rock chip samples during the drilling campaign and field work activities.



Figure 1: RC drill rig at the Calvert South Prospect, Redbank Project, Northern Territory

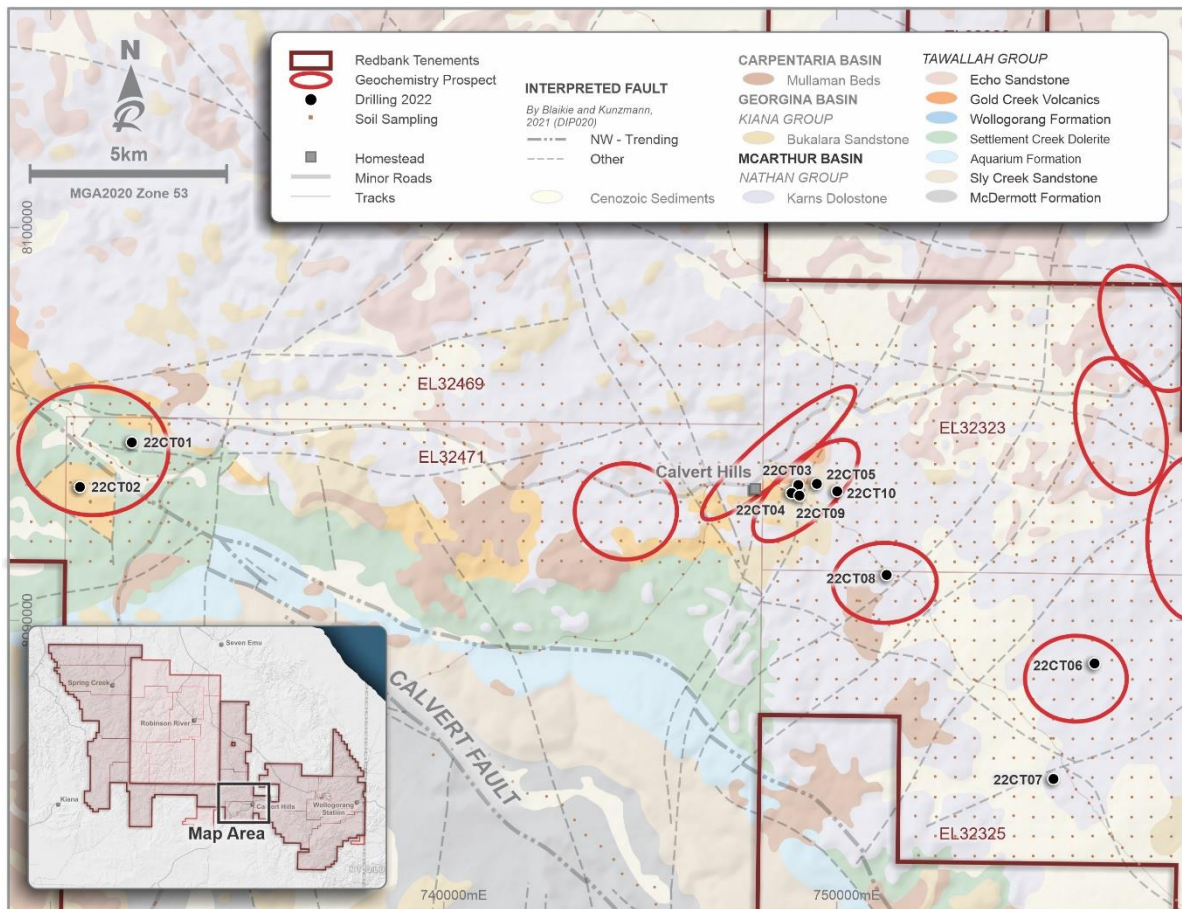


Figure 2: portable pXRF measurements on sample bags containing RC drill chips



Figure 3: chip tray samples for assays Calvert South





**Figure 4:** location of RC drilling at the Calvert South Prospect and Redbank east area (grey dots)

## Management Commentary

**NT Minerals Limited Managing Director Hugh Thomas commented:**

*“Whilst we are obviously buoyed by the first work completed at Calvert in decades, it is satisfying to begin work in this under-explored area as we hunt for a sediment hosted copper system. We look forward to bringing results to the market in the near future”.*

*“Our geological team has a simple exploration strategy to target copper mineralisation in the Wollongorang sediment Formation using anomalous soil geochemistry with follow up field mapping and use of all available geophysical data.”*

*“NT Minerals looks forward to updating shareholders with full results of its 2022 drilling campaign as they become available from October.”*

## Redbank Project Summary

The Redbank Project is located in the southeast McArthur Basin and extends from the Northern Territory/Queensland border north-west to Glencore's McArthur Mine. In July 2020, NT Minerals secured a district scale tenement holding, pegging open ground following ground-breaking work by Geoscience Australia. This work highlighted the prospectivity for Tier 1 base metal deposits between the world-class deposits of McArthur River and Century. NT Minerals Limited through its 100% subsidiary Redbank Operations Pty Ltd holds the tenements with a 100% interest.

**-ENDS-**

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This announcement was approved and authorised for issue by the Board of NT Minerals.

## Competent Person's Statement

The information that relates to Exploration Results is based on, and fairly represents, information compiled by Mr Michael Hannington, a Competent Person, who is a Member of the Australian Institute of Geoscientists. Mr Hannington is employed as a Consulting Geoscientist at NT Minerals Limited. Mr Hannington has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration, and to the activity 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 Hannington consents to the inclusion of the matters based on his information in the form and context in which it appears.

## Disclaimer

This announcement contains certain forward-looking statements. Forward looking statements include but are not limited to statements concerning NT Minerals Limited's ('NTM's) planned exploration program and other statements that are not historical facts including forecasts, production levels and rates, costs, prices, future performance or potential growth of NTM, industry growth or other trend projections. When used in this announcement, the words such as "could", "plan", "estimate", "expect", "intend", "may", "potential", "should", and similar expressions are forward-looking statements. Such statements are not a guarantee of future performance and involve unknown risks and uncertainties, as well as other factors which are beyond the control of NTM. Actual results and developments may differ materially from those expressed or implied by these forward-looking statements depending on a variety of factors. Nothing in this announcement should be construed as either an offer to sell or a solicitation of an offer to buy or sell securities.