

ASX Announcement
5 March 2021

Exploration Update: East Tennant Copper-Gold Project

- **National Drilling Initiative results confirm prospectivity of East Tennant**
- **SER gravity survey over new tenement completed**
- **Multiple Copper-Gold drill targets confirmed by 3D inversion modelling**
- **Heritage clearance and drilling approvals underway**
- **Newcrest doubles land holding adjacent to SER ground**

Strategic Energy Resources (SER) is pleased provide an update regarding our East Tennant Iron Oxide Copper-Gold (IOCG) project in the Northern Territory.

MinEx CRC National Drilling Initiative Regional Stratigraphic Drilling

The first data from the Mineral Exploration Cooperative Research Centre (MinEx CRC) National Drilling Initiative (NDI) campaign east of Tennant Creek has been released today. The data provides new insight into the mineral potential of a previously underexplored region of northern Australia.

The drill holes were designed to test the potential of basement rocks in the 'East Tennant' area to host gold- and copper-rich mineral deposits similar to those in the Tennant Creek mineral field.

The basement rocks intersected by drilling include felsic intrusive and extrusive rocks, deformed siliciclastic and carbonate metasedimentary rocks and a previously unidentified basin containing coarse clastic sedimentary rocks. The metasedimentary rocks are comparable to the Paleoproterozoic Warramunga Formation, which hosts mineralisation in the Tennant Creek field, and contain mineralogical and geochemical evidence of comparable mineral systems.

The preliminary data release includes core and chip photography, geological logs, portable XRF and Malyzer geochemistry, HyLogger spectral data and multi-tool wireline geophysics from the 4000m of drilling completed during the East Tennant program. The data can be accessed through the Exploring for the Future Data Discovery Portal and the MinEx CRC NDI Portal. SER has immediately commenced analysis of the new data.

MinEx CRC and collaborators at Geoscience Australia and the Northern Territory Geological Survey will conduct in-depth analyses of the drill samples in 2021 (including petrology, geochronology, thermochronology isotope systematics) to provide a detailed understanding of the East Tennant geology and its potential to host mineral deposits.

Ian Scrimgeour, Executive Director of the NT Geological Survey said *"We expect the release of the first NDI drilling data to stimulate further industry interest in the Barkly region, which is rapidly emerging one of Australia's most exciting exploration frontiers."*

Dr Andrew Heap, Chief of the Minerals, Energy and Groundwater Division at Geoscience Australia said the results highlighted exciting new opportunities for the resources industry in the Northern Territory. *"Drilling has identified rocks of the right age to host mineralisation and has uncovered evidence for key mineralising processes, such as the presence of major structures, hydrothermal alteration, and base metal sulphides"* he said.

A joint media release¹ from The Hon Keith Pitt MP (Commonwealth Minister for Resources, Water and Northern Australia) and The Hon Nicole Manison MLA (Northern Territory Minister for Mining and Industry) stated *"Preliminary analysis of data and samples from 10 stratigraphic drill holes from the East Tennant region of the Barkly Tableland shows the area is highly prospective for minerals, particularly copper and gold."*

¹ <https://www.minister.industry.gov.au/ministers/pitt/media-releases/national-drilling-initiative-reveals-golden-opportunity-northern>
strategicenergy.com.au

SER Pegs New Tenement, Completes Gravity Survey, Generates Targets

Following a detailed geophysical review of the entire East Tennant IOCG Province late last year, SER pegged a fourth exploration licence (EL32617). A detailed ground gravity survey over EL32617 has now been completed. The new gravity data will be merged with existing data then inversions run to map the depth, size and geometry of targets. SER is encouraged by the size (5km+) and intensity of the main gravity anomaly (up to 5mGal). 3D inversion modelling of the new data is underway.

Magnetic and gravity inversions have already been completed over targets within EL32109 and EL32306. Results will inform SER's maiden drill campaign set to occur mid-year. Drilling approvals have been submitted, Native Title clearances scheduled and land access negotiations underway.

Major now Consolidating in the Region

Newcrest Mining (ASX:NCM) has pegged an additional seven exploration licence applications (1811km²) across the East Tennant region adding to their existing six granted tenements (2728km²). The new Newcrest ground adjacent to SER's EL32617 was pegged shortly after SER.

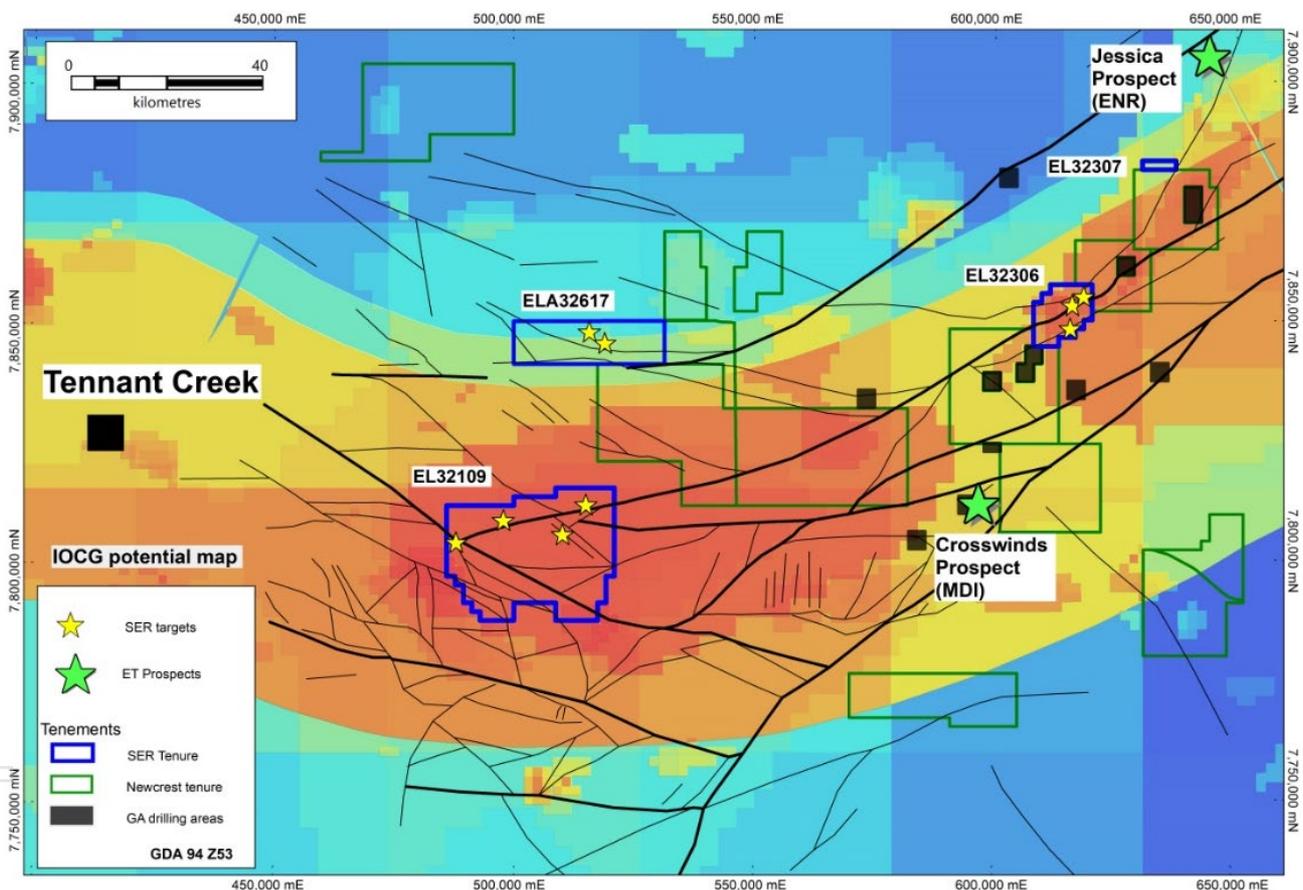


Figure 1: SER's East Tennant Copper-Gold Project (4 tenements in blue) over Geoscience Australia IOCG Prospectivity map with targets (yellow stars), copper mineralisation (green stars) and NDI regional drilling sites (black squares)

This announcement is authorised by the Strategic Energy Resources Limited Board.

Executive Chairman Stuart Rechner

For further information, please contact Mr Rechner +61 3 9692 7222 or visit website www.strategicenergy.com.au

The information in this report that relates to Exploration Results is based on information compiled by Mr Stuart Rechner BSc (Geology) MAIG MAusIMM, a Member of Australian Institute of Geoscientists and the Australasian Institute of Mining and Metallurgy. Mr Rechner is a Director and shareholder of Strategic Energy Resources Ltd. Mr Rechner has sufficient experience which is relevant to the styles of mineralisation and types of deposits under consideration and to the activity being undertaken 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 Rechner consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.