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ASX: TMG

ASX ANNOUNCEMENT

Lake Throssell advancing with air-core drilling underway and bulk evaporation trial on track

First significant field activities now underway as part of the Pre-Feasibility Study to advance the Lake Throssell SOP project towards development

Highlights

Pivotal 2022 air-core drilling program commences:

- All access tracks and causeways are complete, facilitating access to remote areas of the lake.
- 18-hole air-core drilling program underway to assist with finalizing test production bore locations and increase the density of data within the current Inferred and Indicated Mineral Resource.
- The bulk evaporation trial is on schedule with the completion of the halite (NaCl) salting phase and the Schoenite ($K_2Mg(SO_4)2 \cdot 6(H_2O)$) salt production stage now underway.

Trigg Minerals is in the unique position of having:

- 100% ownership of this significant sulphate of potash salt lake system.
- A globally significant asset with the 2021 Scoping Study indicating an initial 21-year mine life producing 245,000tpa SOP, positioning Lake Throssell as a potential low-cost, top-10 global SOP producer.
- A total drainable Mineral Resource Estimate (MRE) at Lake Throssell of 14.4Mt of SOP at 4,665mg/L potassium (or 10.4 kg/m³ K₂SO₄) and just 41% of the MRE in the Scoping Study.
- Major transport infrastructure located adjacent to the Project with the State and Federal Governments currently sealing the Great Central Road to establish the Outback Highway, connecting Western Australia to the Northern Territory and Queensland. Work is underway on the first 40km.

Trigg Minerals Limited (ASX: TMG) (Trigg or the Company) is pleased to advise that it has taken further important steps to advance the development of its globally significant 100%-owned **Lake Throssell Sulphate of Potash (SOP) Project**, located 170km east of Laverton in Western Australia

Key recent milestones include the commencement of the 2022 air-core drilling program, representing the first significant in-field activity to be undertaken as part of the Pre-Feasibility Study (PFS). In addition, the pivotal bulk evaporation trial is progressing ahead of schedule.

Resource Definition

An 18-hole air-core program has commenced (Figures 1 and 2) as part of the Pre-Feasibility Study (PFS) for the Lake Throssell development which commenced late last year.

The aim of the air-core program is to assist with finalizing test production bore locations in accessible locations for a truck-mounted water well rig. The air-core drilling is targeting the basal aquifer at a depth of approximately 150m below surface.

The causeways were constructed to allow access to the shorelines on islands in the centre of the lake so that a truck-mounted water well rig can access the planned drilling location.

The causeways will facilitate access to these remote areas of the lake, which would otherwise be accessed by wide track-mounted lake vehicles, thereby reducing the cost of the program.

The drilling and sampling data from the air-core program will be used to further refine the Indicated and Inferred Mineral Resource Estimate, which currently stands at 14.4Mt of SOP at 4,665mg/L potassium (or 10.4 kg/m³ K₂SO₄).

Test production bores are planned to be drilled next Quarter and will provide additional data to update the groundwater model and increase the confidence in the Mineral Resource Estimate with the aim of achieving an Ore Reserve as part of the PFS.

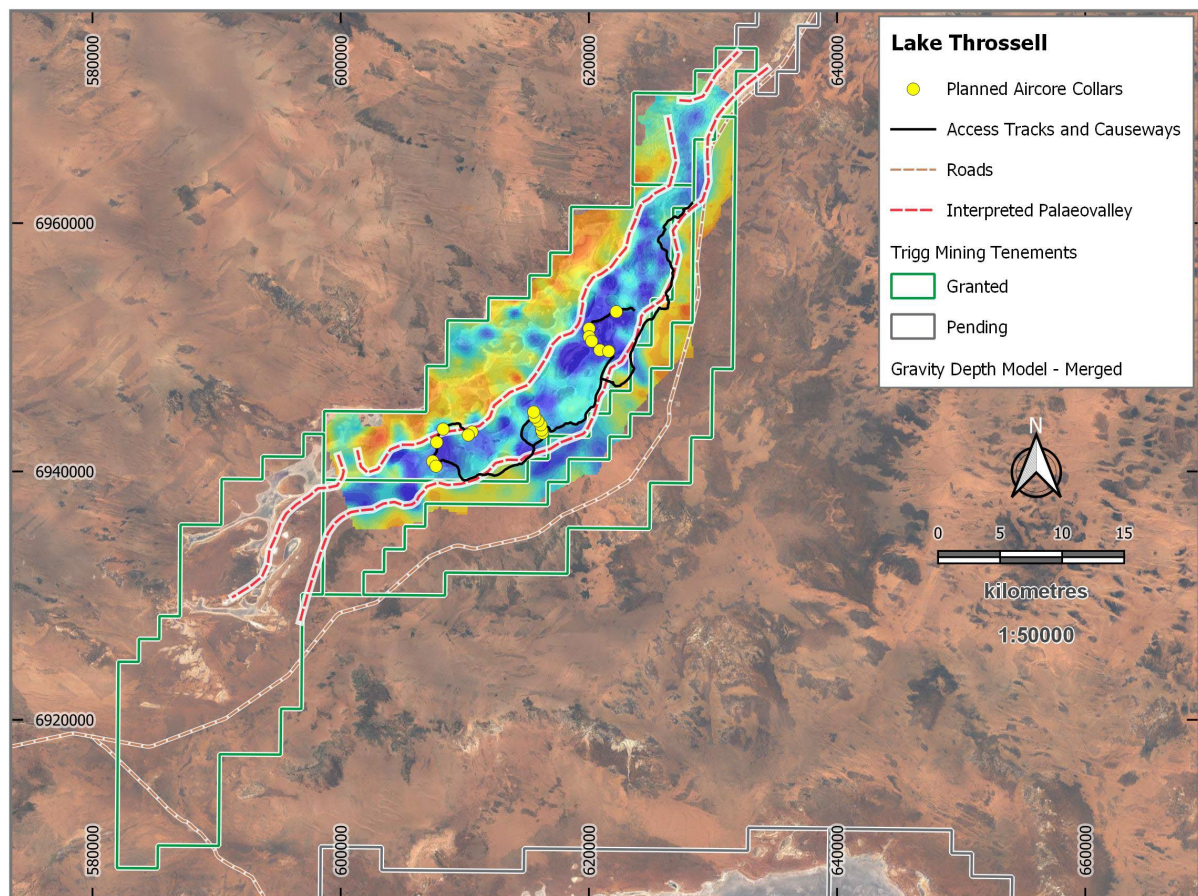


Figure 1: Lake Throssell air-core drilling program showing new access tracks and causeways and gravity interpretation.



Figure 2: Air-core drilling underway at Lake Throssell.

Process Flow Sheet

The bulk evaporation trial (Figures 3 & 4) is progressing well and is on or slightly ahead of schedule.

The halite (NaCl) salting phase has been completed and the Schoenite ($\text{K}_2\text{Mg}(\text{SO}_4)^2 \cdot 6\text{H}_2\text{O}$) salt production stage has now commenced. These stages will be followed by the Kainite salt ($\text{KMg}(\text{SO}_4)\text{Cl} \cdot 3\text{H}_2\text{O}$) and Carnallite salt ($\text{KMgCl}_3 \cdot 6\text{H}_2\text{O}$) salt phases.

This bulk trial aims to produce several mixed potassium salt (**KTMS**) samples for processing test work for engineering design required in the PFS and to produce an export-quality Sulphate of Potash (**SOP**) product for engaging with and analysis by potential off-take partners.



Figure 3: Bulk evaporation trial set-up.



Figure 4: Shoenite salting pan setup.

Trigg Minerals Managing Director Keren Paterson said: *“This air-core program marks the commencement of the pivotal field work component of the Pre-Feasibility Study, which continues to make excellent progress at Lake Throssell.*

“The data from the holes will supplement the Mineral Resource Estimate and help finalise the location of the test production bores, which represents a crucial step in the estimation of an Ore Reserve.

“The bulk evaporation trial is going well and we are looking to have a final sulphate of potash product early in the New Year.”

This announcement was authorised to be given to ASX by the Board of Directors of Trigg Minerals Limited.

Keren Paterson .

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