

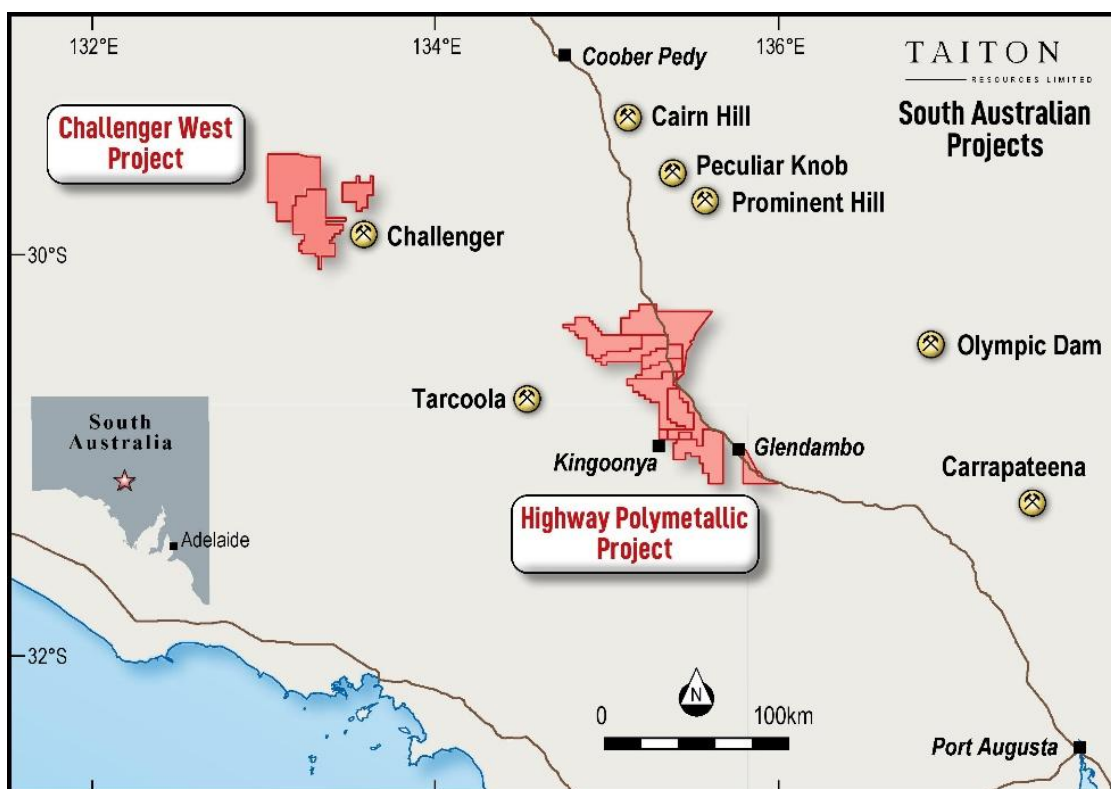
## Heritage Survey Completed at Highway and Challenger West, South Australia.

ASX Release – 22<sup>th</sup> August 2025

- Heritage survey completed for Challenger West and Highway Project.
- E-PEPR application submitted to Department for Energy and Mining

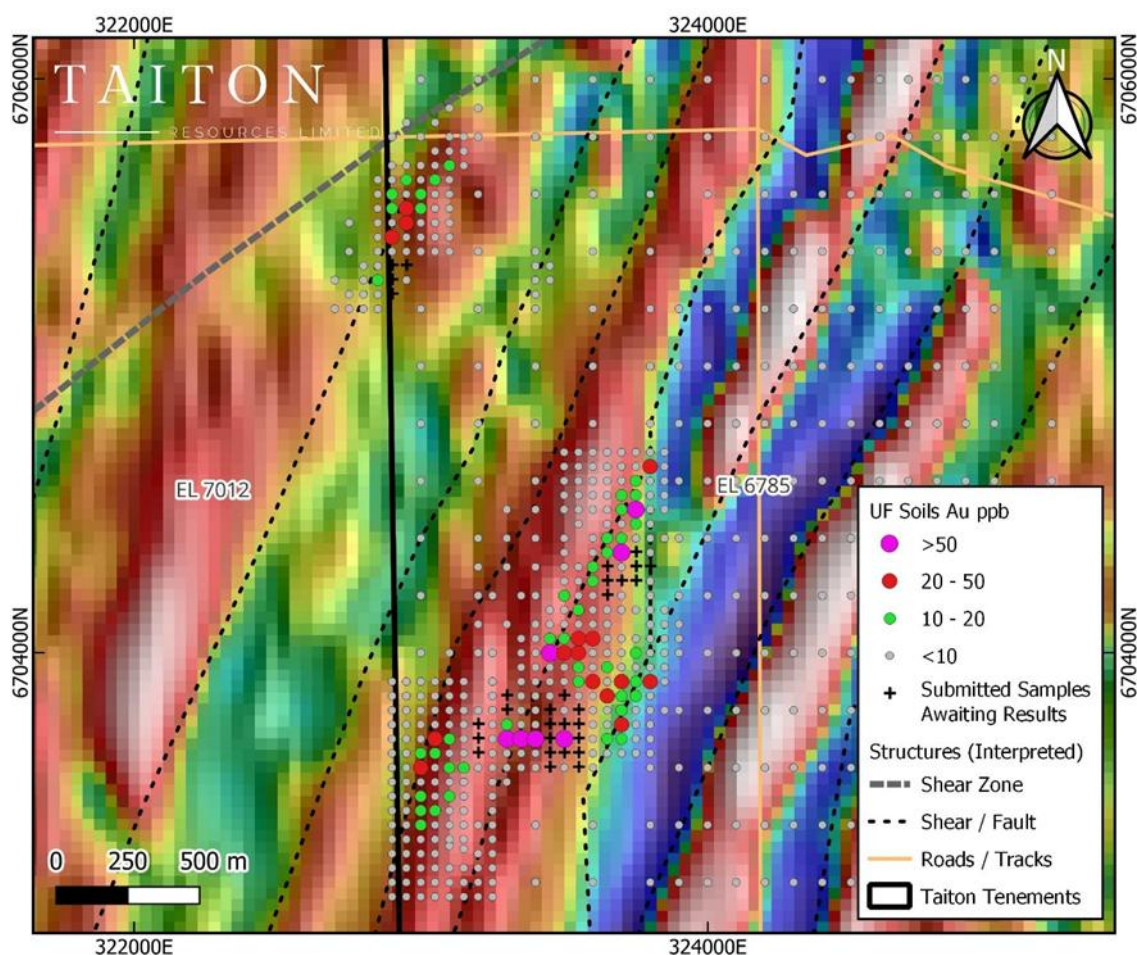
**Taiton Resources Limited (“T88”, “Taiton” or “the Company”)** is pleased to advise that a heritage survey has been completed at the Challenger West Project and Highway Project in South Australia (**Figure 1**).

The survey is being conducted in partnership with the Antakirinja Matu-Yankuntjatjara people, represented by the Antakirinja Matu-Yankuntjatjara Aboriginal Corporation RNTBC (**AMYAC**), who are the registered native title holders for the region.



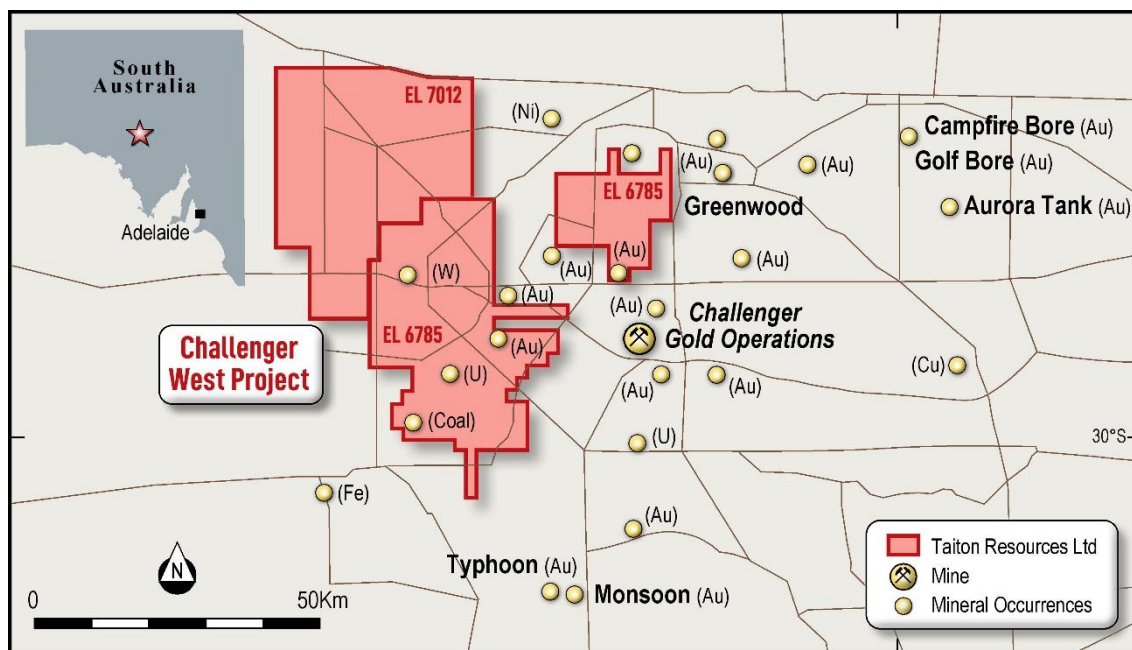
**Figure 1: Location of the Highway and Challenger West project in South Australia.**

The heritage survey was conducted at Challenger West to support planned drill programmes testing discrete higher tenor gold<sup>1</sup> (maximum value of 210 ppb Au) in soil anomalies within broader gold anomalism along a nominal 1.5km length striking north-northeast (**Figure 2**).



**Figure 2. Challenger West Area 1 UF soil results underlain by RTP IVD magnetic image.**

In addition to the heritage survey covered clearing of tenements for low impact exploration within recently granted EL 7012 and the smaller northeast area of EL6785 (**Figure 3**).



**Figure 3. Challenger West project location map.**

A heritage survey was conducted within the Highway Project, which is located between the IOCG deposits to the east and the gold deposits to the west (**Figure 5**).

The heritage survey was completed to support a planned drill program across an identified >6 mGal gravity anomaly<sup>2</sup> with a strike extent of approximately 1.5 km, with coincident REE surface geochemical anomalism<sup>1</sup> (**Figure 4**).

The premise of this drilling program is to test the potential for the Highway project to host Iron-Oxide-Copper-Gold (**IOCG**) or Carbonatite hosted REE mineralisation.

An Electronic - Environment Protection and Rehabilitation (**E-PEPR**) application has been made to Department for Energy and Mining, South Australia for the upcoming drilling programmes.



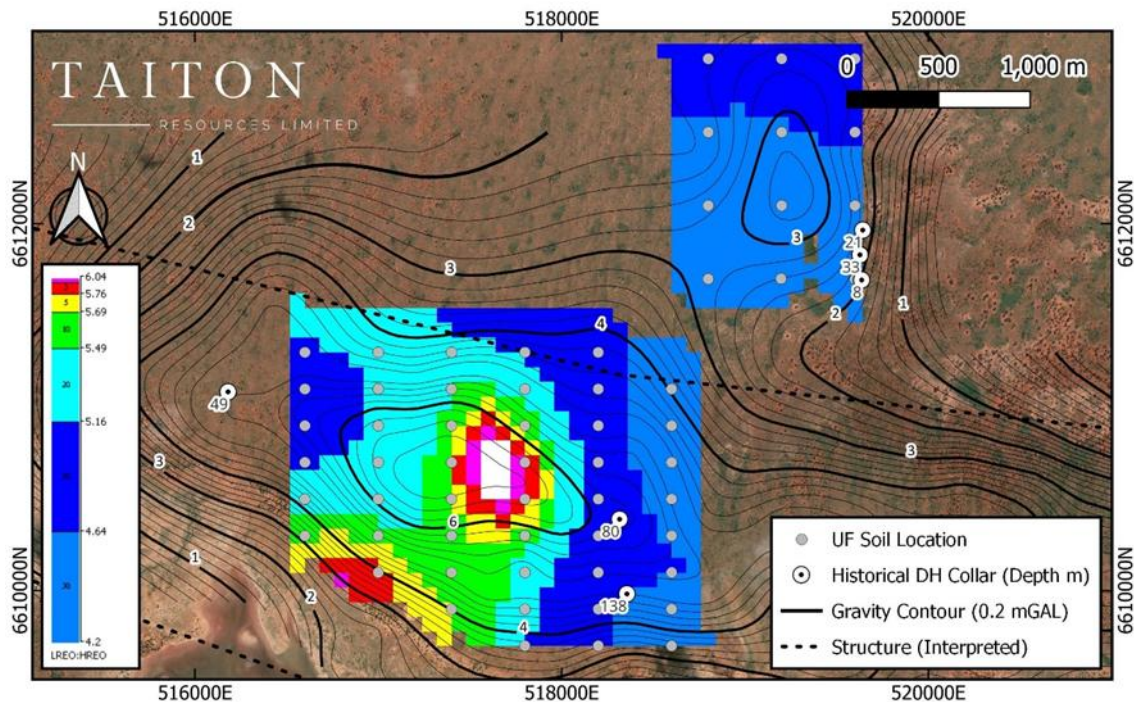


Figure 4. UF soil LREO / HREO gridded sample results overlain by gravity contours.

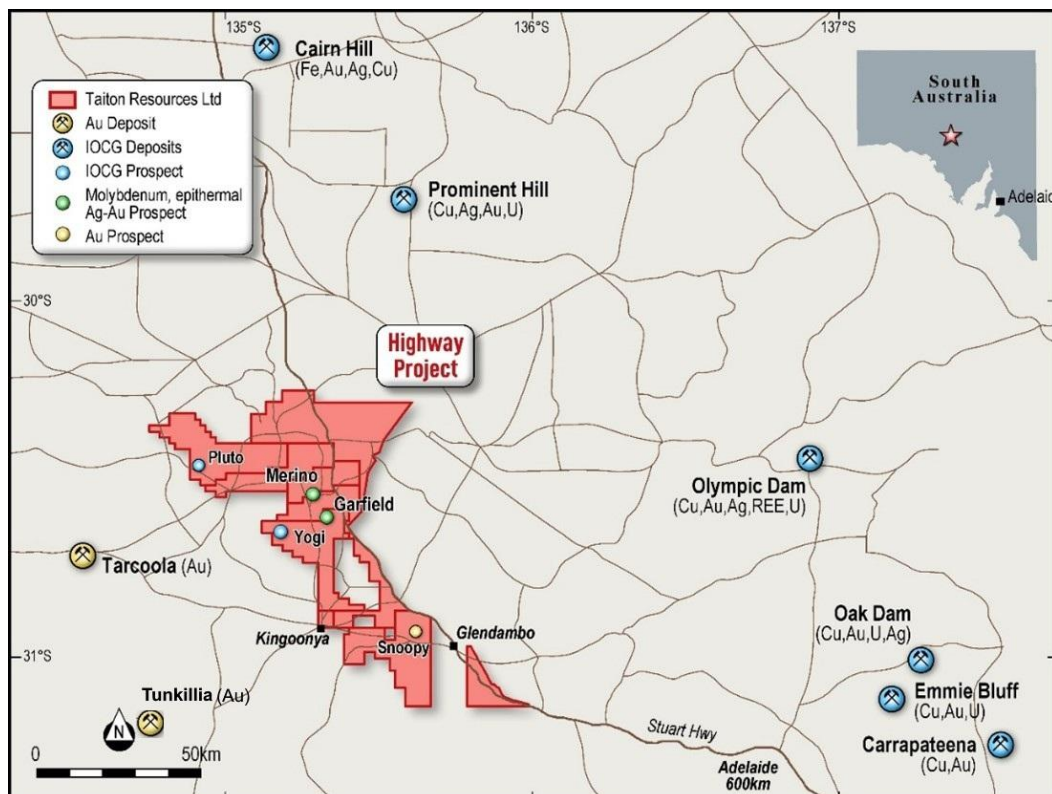


Figure 5. Highway project location map.





**Figure 6. Heritage survey at Challenger West & Highway Project**

**Executive Director David Low commented:**

***“We are very pleased to have spent time with the Antakirinja Matu-Yankunytjatjara people on country and to see firsthand their deep connection to the land. Taiton is very grateful for their ongoing support as we continue to explore and advance the potential of Challenger West and Highway projects. The area around Challenger West generally has been under explored and there been several mineral occurrences identified such as gold, uranium and tungsten but not subjected to***



***detailed exploration. This heritage survey would enable Taiton to utilise modern updated geological data and analysis to conduct low impact exploration work to further investigate such occurrences as well as to potentially discover new mineral systems”***

**This announcement has been approved for release by the Board of Taiton.**

### **About Challenger West Project**

Challenger West project commences 10km west of the 1.2 Moz Challenger deposit where the mine infrastructure (process plant and camp) is currently on care and maintenance. Challenger West covers the Christie Gneiss which includes a range of lithologies including meta-carbonate, magnetite-rich iron formation and clastic metasedimentary rocks.

The style of gold mineralisation being targeted is based on the Challenger deposit where mineralisation occurs in deformed quartz veins within narrow plunging lodes hosted by metapelites of the Christie Gneiss. Challenger has been recognised as an early orogenic gold deposit that has been subject to later deformation and metamorphism that resulted in the remobilisation of gold before concentrating into a series of dilatational structures trending north-northeast. Subsequent lower temperature overprinting is interpreted to have occurred.

### **About Highway Project IOCG Prospectivity**

Highway is located centrally within the Mesoarchaeon to Mesoproterozoic Gawler Craton. The Gawler Craton is one of Australia’s major Proterozoic mineral provinces, with significant mineralisation associated with a tectonic event known as the Olympic Metallogenic Event (**OME**). This event led to the formation of large IOCG deposits, including Olympic Dam and Carrapateena.

IOCG deposits show a temporal relationship and geochemical and geochronological analyses of zircons from Highway Project<sup>2</sup> indicate Highway

project area was tectonically active at the same time as the formation of IOCG deposits in the Gawler Craton like Olympic Dam and Prominent Hill.

IOCG deposits form through magmatic hydrothermal activity resulting in a mineralised breccia complex consisting of economic Cu ± Au ± U concentrations and associated iron oxides (magnetite and hematite).

The Yogi gravity anomaly indicates a significantly dense source body which may indicate the presence of iron oxide minerals as they contribute to higher density. An alternate source of high-density body is carbonate minerals as observed in carbonatites. This interpretation supports the potential for carbonatite hosted REE mineralisation at Yogi as a consideration.

**For further information please contact:**

**David Low**

**Executive Director**

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**References**

1. ASX Release – 12<sup>th</sup> August, Exploration Update – Highway and Challenger West projects in South Australia.
2. ASX Release – 18<sup>th</sup> September 2024, Gravity Anomalism up to 6 mGal Solidifies Support for IOCG Targets at Highway Project

**COMPETENT PERSON STATEMENT**

The information in this report that relates to exploration results and geological data for the Challenger West and Highway Project is based on information generated and compiled by Shane Tomlinson, who is a member of the Australian Institute of Geoscientists (AIG) and a geological consultant to Taiton Resources Limited.



Shane Tomlinson has sufficient experience that is relevant to the styles of mineralisation and types of deposits under consideration and to the activities being undertaken to qualify as Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Tomlinson consents to the inclusion in this announcement of the matters based on this information in the form and context in which it appears.

#### **FORWARD LOOKING INFORMATION:**

This announcement contains forward-looking statements. Wherever possible, words such as "intends", "expects", "scheduled", "estimates", "anticipates", "believes", and similar expressions or statements that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be achieved, have been used to identify these forward-looking statements.

Although the forward-looking statements contained in this announcement reflect management's current beliefs based upon information currently available to management and based upon what management believes to be reasonable assumptions, Taiton cannot be certain that actual results will be consistent with these forward-looking statements. A number of factors could cause events and achievements to differ materially from the results expressed or implied in the forward-looking statements. These factors should be considered carefully, and prospective investors should not place undue reliance on the forward-looking statements.

Forward-looking statements necessarily involve significant known and unknown risks, assumptions and uncertainties that may cause actual results, events, prospects and opportunities to differ materially from those expressed or implied by such forward-looking statements. Although Taiton has attempted to identify important risks and factors that could cause actual actions, events or results to differ materially from those described in forward-looking statements, there may be other factors and risks that cause actions, events or results not to be anticipated, estimated or intended, including those risk factors discussed in Taiton's public filings.

There can be no assurance that the forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, prospective investors should not place undue reliance on forward-looking statements. Any forward-looking statements are made as of the date of this announcement, and Taiton assumes no obligation to

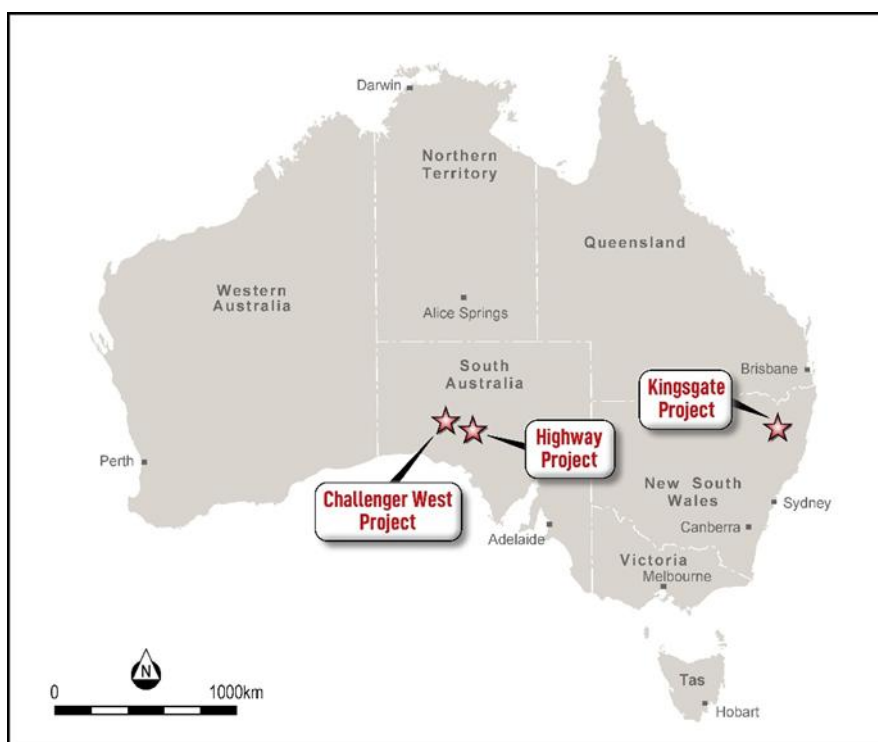


update or revise them to reflect new events or circumstances, unless otherwise required by law.

### About Taiton Resources Limited

Taiton Resources Limited (ASX: T88) is an early-stage mineral exploration and development company with a portfolio of projects across South Australia and New South Wales comprising the following:

- a) **Highway Project** – total tenement land holding of 2,930 sq km, located in South Australia;
- b) **Challenger West Project** – total tenement land holding of 1,858 sq km located in South Australia ; and
- c) **Kingsgate High Purity Quartz Project** – total tenement land holding of 604.1 sq km, located in New South Wales.



**Taiton Resources Limited (ASX: T88) project locations.**