

# Final Report EL33061\_2023\_S

## 1. BIBLIOGRAPHIC DATA SHEET

Project Name: Tennant Creek Project  
Title ID: EL33061  
Date: 04/ 12 / 2023  
Type: Surrender  
Report Period: 11/08/2022-26/09/2023  
The Holder: 6 Corners Gold Pty Ltd  
The Operator: 6 Corners Gold Pty Ltd  
Author: Song Du  
Report Date: 04/ 12 / 2023  
Map Sheet: 1:250k Tennant Creek  
1:100k Flynn  
Datum/Zone: GDA94/Zone53  
Target Commodity: Gold

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## 2. ABSTRACT

**Location:** The tenement is located approximately 25 km north of the Tennant Creek township in the Northern Territory. It can be accessed from the Stuart Highway, which runs through the title, thence via existing public roads and tracks.

**Geology:** The tenement EL33061 is situated within the Warramunga and Tomkinson Provinces, in the Tennant Creek Region of the Northern Territory. The Warramunga Province comprises greywacke, shale, siltstone, sandstone, haematitic shale, granite, dolerite, basalt, dolostone, and felsic volcanics. The Tomkinson Province is predominantly composed of sandstone, dolostone, shale, and basalt.

**Work Done:** Literature review. No field working has been carried out during the reporting period.

**Result:** Early records show in 1953 that drilling led to a development programme, which included sinking a main shaft and cross cut on the 21, 30 and the 46m levels. The area was worked for three years until 1956. Reported intersections during the mine's life included 3.66m @ 43.5g/t Au from the 30m Level-NE Drive.

**Conclusion:** Based on the literature review, there is potential for the area host gold mineralization within ironstone lodes or at their margins in breccia stringer zones. However, due to focus on other more promising exploration projects, this project is surrendered.

### 3. INTRODUCTION

This is the Final Technical Report for EL33061. The project is situated approximately 25 km north of Tennant Creek, in an area well-known for hosting significant iron ore copper-gold (IOCG) deposits. The tenement comprises a total of 21 blocks, covering 63 km<sup>2</sup>, granted on 11/08/2022 and surrendered on 26/09/2023. During this period, a literature review of historical workings was conducted, but no on-site exploration was carried out.

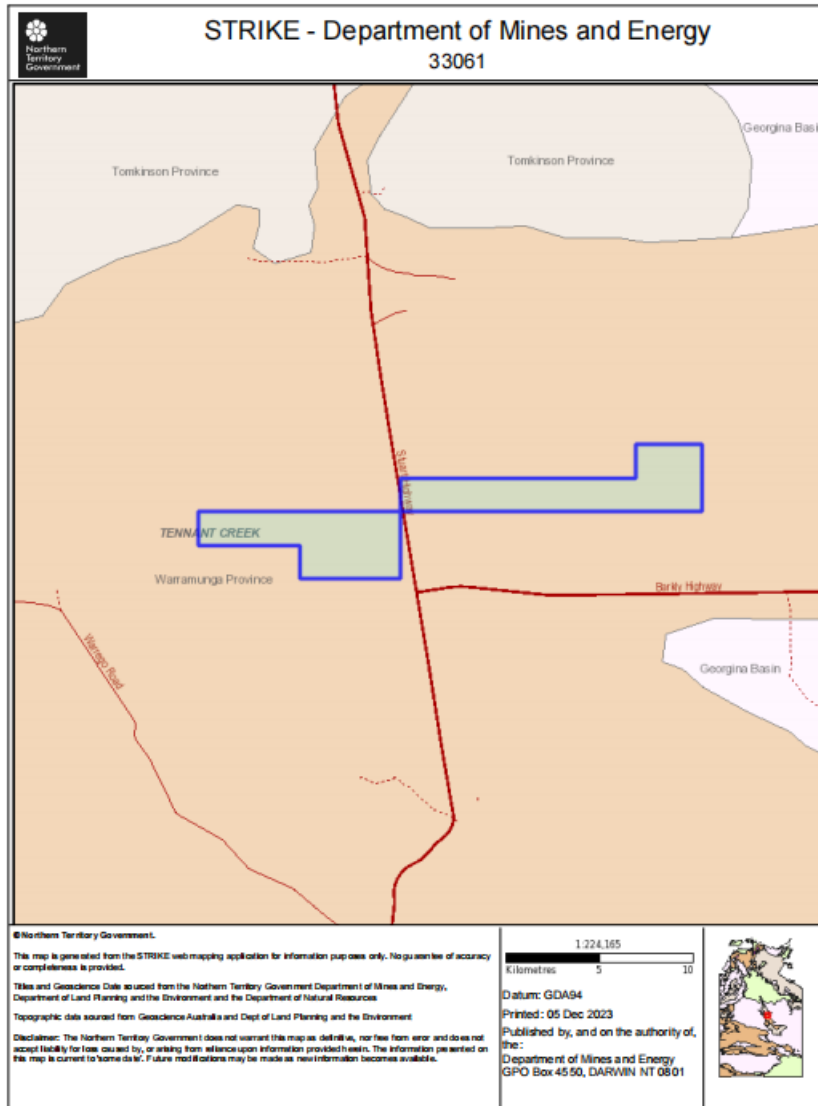


Figure 1 Location of the Tenement on Geological Regions Map

#### 4. LOCATION AND ACCESS

he tenement is located approximately 25 km north of the Tennant Creek township in the Northern Territory. It can be accessed from the Stuart Highway, which runs through the title, thence via existing public roads and tracks.

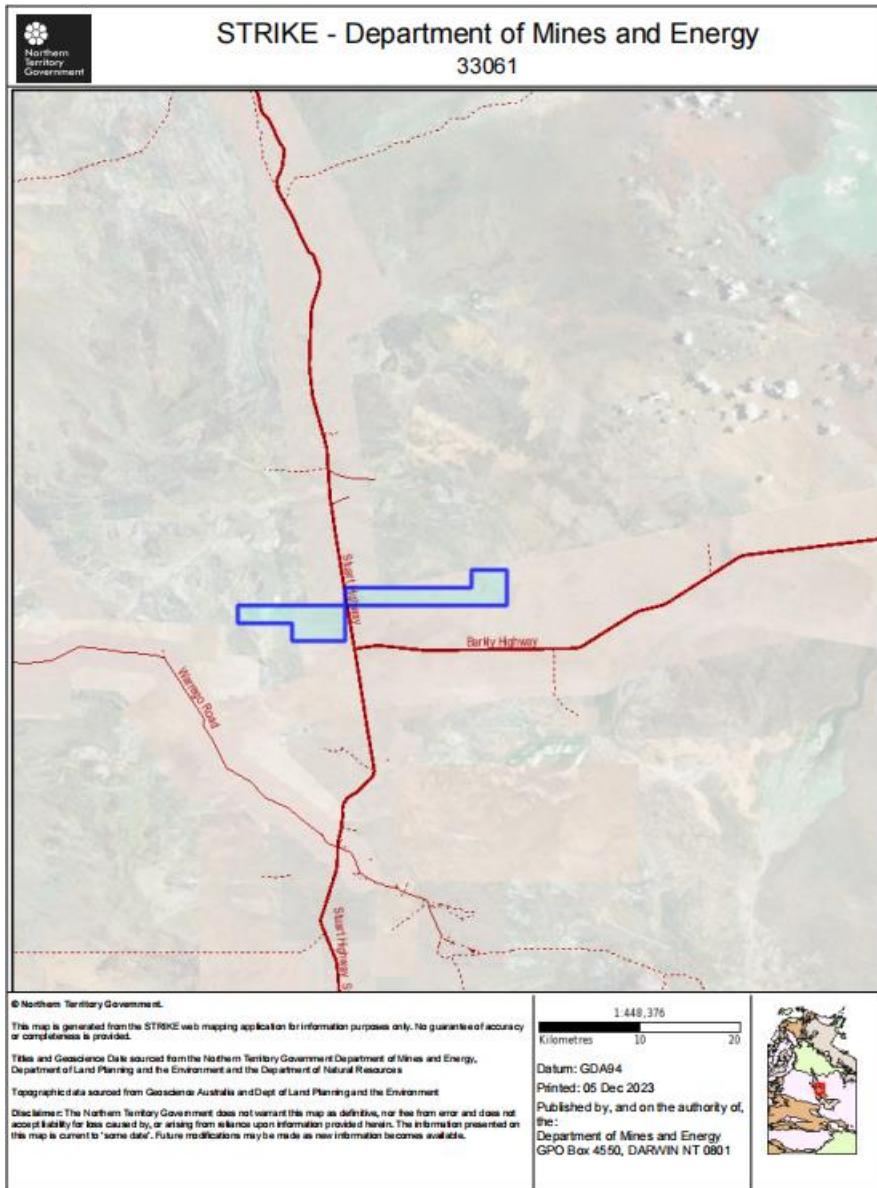


Figure 2 Location of the Tenement on Topographic Map

## 5. GEOLOGY

The tenement EL33061 is situated within the Warramunga and Tomkinson Provinces, in the Tennant Creek Region of the Northern Territory. The Warramunga Province comprises greywacke, shale, siltstone, sandstone, haematitic shale, granite, dolerite, basalt, dolostone, and felsic volcanics. The Tomkinson Province is predominantly composed of sandstone, dolostone, shale, and basalt.

The Tennant Creek Region is renowned for hosting various commodities, including gold, base metals, iron ore, and manganese. It is particularly well-known for IOCG (iron ore copper-gold) mineral exploration.

An unconformity intersects the title between the Warramunga Province and the Tomkinson Province, where the Flynn Group overlies the older deformed Warramunga Formation. The Flynn Group consists of relatively undeformed and un-metamorphosed sedimentary rocks and volcanics. Complex faulting and folding are present within the sandstone lithofacies.

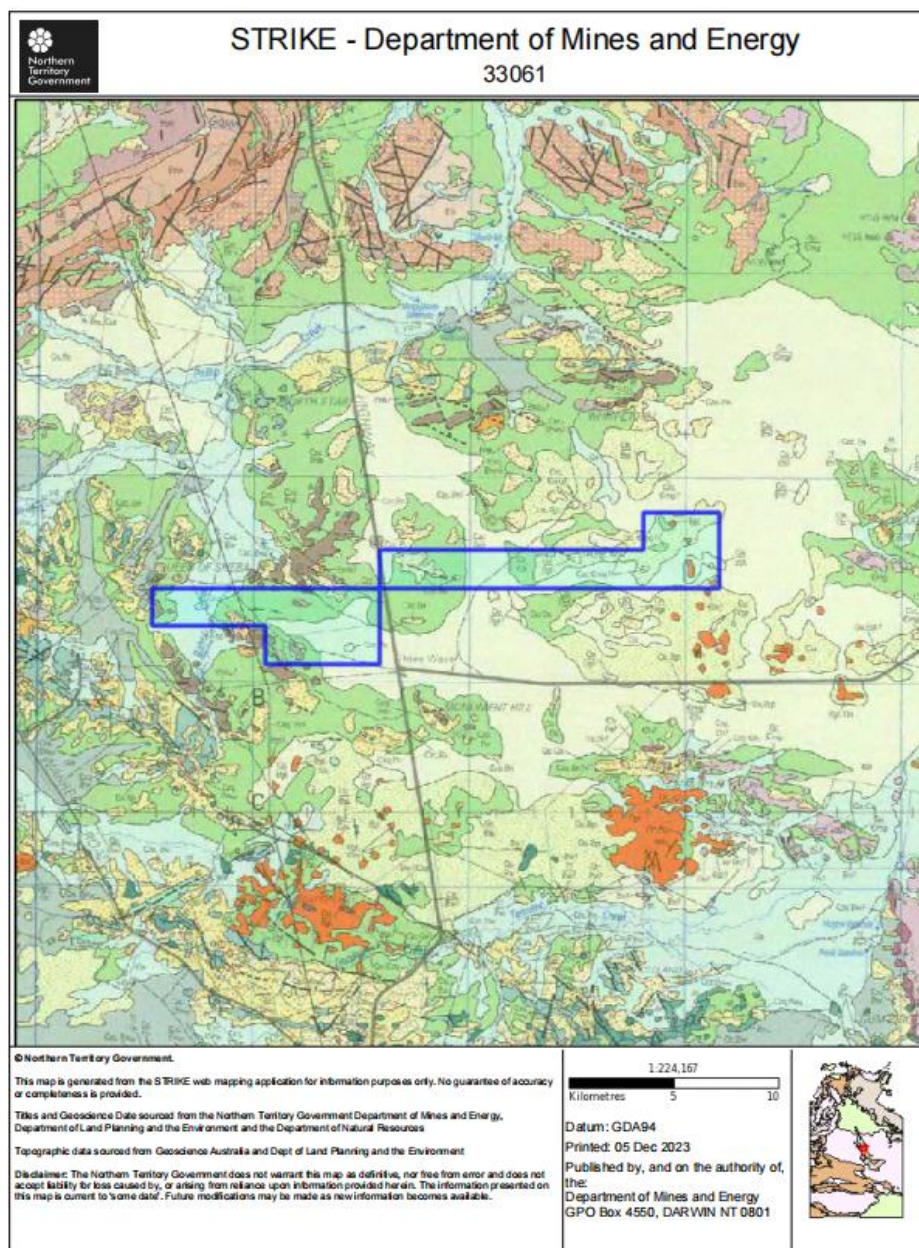


Figure 3 Tenement on Geological Map 1:250k



## **7. CURRENT EXPLORATION**

Historical literature review was conducted during the reporting year, and based on the literature review, there is potential for the area host gold mineralization within ironstone lodes or at their margins in breccia stringer zones.

## **8. CONCLUSION**

Based on the literature review, there is potential for the area host gold mineralization within ironstone lodes or at their margins in breccia stringer zones. However, due to focus on other more promising exploration projects, this project is surrendered.