

Technical Reporting

Tenure:	EL 30830
Group Report ID:	N/A
Title:	TOSCA TURQUOISE MINE ANNUAL REPORT
Report Period:	DECEMBER 16 TO DECEMBER 17
Project Name:	TOSCA TURQUOISE MINE
Title Holder:	TRACKER GEOSERVICES PTY LTD
Title Operator:	AA
Personal Author:	JOHN CANARIS
Report Type:	ANNUAL
250K Mapsheet/s:	ELKEDRA SF5307
100K Mapsheet/s:	AMMAROO 5954; ELKEDRA 5955
Geological Province:	GEORGINA BASIN; DAVENPORT PROVINCE
Stratigraphic Name:	N/A
Target Commodity:	TURQUOISE
Other Commodities:	N/A
Purpose for which Titles are held:	Exploration for Turquoise
Title history:	EL30830 was granted to Tracker Geoservices on 8 December 2015 for a period of 6 years. EL30830 covers 4 sub blocks, located on Ammaroo Station NT.
Location, physiography and access:	The Application Area is located approximately 280 kilometres northeast of Alice Springs, on Ammaroo Station. The Homestead is situated approximately 35 km southwest of the Application Area. Access to the area is gained via the Stuart and Sandover highways, the Ammaroo - Elkedra road and thence station tracks. The region generally is served well by tracks within Ammaroo, Elkedra and Derry Downs stations. The licence area is centred upon the existing workings of the Tosca Turquoise Mine (below).
Geology Setting:	Local basement geology is comprised of low-grade metasediments of the Mesoproterozoic Hatches Creek Group, principally thinly bedded, ferruginous meta-siltstone of the Rooney's Formation. The unit occupies the northern and central parts of the area and is present in the Tosca Mine locality. The palaeosurface on which the Cambrian mudstones were deposited undulates, and small disconnected "sub-basins" containing Andagera and Arthur Creek Formation appear to mark the start of Cambrian sedimentation - This feature may be significant for the formation of turquoise such as found at the Tosca mine site.

Exploration/Mining History:

The palaeosurface on which the hosting mudstones occur is known to continue away from the mined area and persist regionally. Further work intends to characterise and delineate the hosting geology away from the mined area, and test interpreted "sub-basins" showing Arthur Creek Formation.

Exploration Rationale:

The mine site area remains poorly tested, and further work is warranted. Other fault hosted occurrences known in the Arthur Creek Formation recorded by MODAT have to date not been described in detail or tested.

Work Completed:

N/A - The site cannot be accessed due to AAPA requirements.

Results:

N/A

Conclusions/Recommendations:

Access has been denied by the AAPA.

Copyright Statement:

This document and its content are the copyright of Tracker Geoservices & John Canaris. The document has been written for submission to the Northern Territory Department of Primary Industry and Resources as part of the tenement reporting requirements as per the Mineral Titles Act (NT). Authorisation is given to the Minister to publish information in which the copyright subsists where "publish" has the meaning under Regulation 10 or 125 of the Copyright Act 1968 (Cth). This includes authorisation to copy and distribute the report and associated data.