

### 3. PREVIOUS EXPLORATION

Within the area covered by EL12/93 an initial phase of gold prospecting and mining occurred at the turn of the century with a second phase in the 1930's. Only minor production resulted and was primarily small test parcels of ore. This activity is reported on as the Hogans Track and the Brilliant Creek Goldfield in the following old series Mines Department reports;

"Report on the Queen of the Earth Gold Mine and neighbourhood" by WH Twelvetrees, 1900.

"Report on Gold Mines near Hogans Track" by WH Twelvetrees, 1899.

"Notes on the Trafalgar Leases - Upper Scamander District" by QJ Henderson, 1935.

"Report on the Geological Survey of the Country between Scamander and Mathinna" by QJ Henderson, 1935.

Unnamed report by QJ Henderson, 1935.

EL 12/93 has been held under licence in part or in it's entirety by Oceania Tasmania (EL 24/82), Union Corporation (Aust) Pty Ltd (EL 21/80), Texins Development Pty Ltd and Aureole NL et al in joint venture with Billiton Australia (EL 58/88). These companies targeted gold with the exception of Union Corp whose primary target was base metals. With the exception of Billiton's exploration all work has been of a regional nature.

Billiton's programme included stream and soil geochemistry, mapping and costeaning. The programme culminating in the drilling of 7RCP holes at the Golden Ridge and Trafalgar prospects, the best intersection 6m @ 4.41 g/t Au in RCP3 at Golden Ridge. The drilling programme was not completely effective due to drilling problems below the water table and holes at the Trafalgar prospect were drilled parallel to the strike of the mineralised veins.

Geological consultants were used as part of Billiton's programme, which included;

- a regional study of gold mineralisation and potential in NE Tasmania by Taylor see Appendix 3 Randell Dec 1991. Taylor's conclusions were that the Devonian batholiths associated with gold mineralisation in NE Tasmania were emplaced at relatively high levels in the crust, developing narrow aureoles and limited gold potential.
- a study of the structural setting, mineralisation styles, geophysical properties of the main rock units and the litho-geochemistry of granitoids in the licence was completed by Davidson and Roach see Appendix 2 Randell Feb' 1991.