

4.7 VOYAGER 28

i) Introduction

Voyager 28 designates an area centred on AMG co-ordinates 378,000E/5 258 000N where the old Cypress Creek Track (B.H.P.) crosses the Mainwaring River. Reconnaissance mapping and C-horizon soil sampling carried out by the Poltock Brothers, indicated the presence of anomalous gold in soil samples between 650 and 900m west (see section 4.4).

The two principal anomalous samples contained 0.700 and 0.283gm/tonne Au and were located immediately east of the Mainwaring River at 900W and 850W, respectively. This is within an alternating sequence of black siltstones and lithic-tuffaceous greywackes lying between acid volcanics west of the Mainwaring and the Ordovician quartzose conglomerates, sandstones and siltstones of the Mt. Osmund Syncline to the east. The Poltocks also reported presence of 'sulphide clasts' within the coarser members of this black siltstone-greywacke unit which is considered equivalent to the Tyndal Group (Mt. Lyell area).

Accordingly, the Voyager 28 area was visited in the latter part of the field season with a threefold objective:

- a. to verify the Poltock's Au soil anomaly and to determine the source of the gold.
- b. to examine the 'sulphide clasts' in the Tyndal Group equivalents.
- c. to obtain a magnetic profile of the length of the Cypress Creek track (detailed in section 4.5).