

4. FEDERATION GRID

Since 1978, the Federation Grid has been subjected to quite intense exploration involving geophysics, geochemistry and diamond drilling. Work during 1981 - 82 was directed at the Waxman and Westons prospect and an anomaly on line 1700W.

4.1. Waxman and Westons Area

The Waxman and Westons prospect is taken to include the East Federation workings (the north alteration zone) as well as the swampy area near the Waxman and Westons trench (the south alteration zone) (plan 1.). Until January 1982, five diamond drillholes had been completed. Three of these, FED 5, FED 12 and FED 17 were drilled into the south alteration zone - and two, FED 8 and FED 18, were drilled in to the north alteration zone (Plan 2). Potential for economic tonnage following this work relied on a mineralised subsurface connection between the north and south zones or an extension of mineralisation in the south zone to the east beneath the lake.

4.1.1. Work completed

- Geochemistry

Following the recommendation of Roberts (1981), a detailed bedrock geochemical sampling program was undertaken on the prospect. The program involved 105 sample locations on a 25m x 25m grid. Samples were recovered from all but five of these locations. The work was carried out by contractor N. Poltock who used a hand-held power auger to collect the samples.