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2. Stream Sediment Sampling (Refer to 1:10,000 Stream Geochemistry Plans Ref. Nos. AO-525-0049,0051-53)

Stream sediment samples have also been collected from some creeks in the area. Separate samples of bulk stream sediments and manganese coated pebbles were collected.

The sampling programme did not outline any zones of primary geochemical interest and areas selected for detailed work were selected primarily on geophysical parameters.

- 7.4.6. Geophysics (Refer to Appendices IV, V & VI and 1:10,000 Induced Polarisation Sheets Ref. Nos. AO-525-0037 & AO-525-0024)

A reconnaissance Gradient Array EIP survey was conducted over the 1km spaced E-W Grid. The potential dipole interval was 20m. S.P. readings were taken as well as the usual chargeability and resistivity. A proton magnetometer survey was also conducted over the grid at the conclusion of the gradient array survey. All data is presented in Appendix IV.

Based on the reconnaissance survey ten areas were selected for detailed follow-up. A summary of the geology, geochemistry and geophysics of each of these areas is outlined below. Details of the geophysics can be found in Appendices V & VI.

1. Area 1 (Grid origin 5,378,000N, 377,300E AMG)

The initial I.P. response was traced north and south to lines 5,378,100N and 5,377,900N. The rocks consist of acid pyroclastics (ash-flows) which are partly covered by a swamp. The geochemical response is low, however, a value of >200ppm Pb was recorded on line 5,378,000N at 377,100E. Mapping of the grid has not been completed.

2. Area 2 (Grid origin 5,377,000, 379,700E AMG)

The anomaly was traced 100m south to line 5,376,900N as a response 8-10 Mv/v above background. The area is soil covered and marshy, however, outcrop in Robbie's Creek on the northern side of the grid indicates that bedrock consists of ash-flows, and crystal-vitric-lithic tuff. There was no significant soil geochemistry response.