

CHP 238 - Magnetic Susceptibility

0 - 50m	Non magnetic except for thin magnetic vein around 30m.
50 - 116m	Except for thin magnetite vein at 52.8m, susceptibility averages around 0.0005cgs units with readings up to 0.001cgs units common.
116 - 140m	Low susceptibility (<0.0002cgs units).
140 - 187m	Generally low with thin peaks at 141m (0.001cgs), 145 (0.001cgs) 155 (0.001cgs), 172 (0.004cgs), 178 (0.03cgs) and 187 (0.002cgs).
187 - 230m	Susceptibility ranges from 0.0001 to 0.0006cgs units except for thin peak for 0.0025 at 220m.

Geochemistry - Comparative Sn Assays:

Rock samples from the Colebrook Mine and soil samples from Sn anomaly 1 were reanalysed for Sn using different techniques. Techniques used and their identification in the following tables are:

Sn (X.R.F.)	Tin content detected by pressed powder X-ray fluorescence.
Sn (A.A.S.)	Tin content detected by A.A.S. following ammonium iodide volatilisation.
Sn (cx)	Tin content detected by A.A.S. following cold acid extraction.

These comparative assays are used to estimate the relative proportions of silicate phase tin, cassiterite or oxide phase tin and sulphide or hydroxide phase tin. Discussions with Analabs suggest that Sn (cx) detects only tin in the sulphide and hydroxide phase; Sn (A.A.S.) detects most of the cassiterite phase tin plus tin in the sulphide and hydroxide phase while Sn (X.R.F.) detects the total tin content.

Results from Colebrook Mine Area (see E.Z. report 148 Appendix A for details sample locations). These are rock chip samples: