Borehole SIROTEM surveys were run by McSkimming Geophysics on DDH No's
CHP 240 (2 loops); CHP 243 (3 loops); CHP 263 (2 loops); CHP 264 (2 loops).
In each case the transmitter loop was a 200m x 200m square. Loop lines were
cut and flagged prior to commencement of the surveys. Two loops were also cut
on DDH CHP 241 but this hole proved to be blocked at 20m. It would appear
that hole collapse had crushed the UPVC pipe inside the hole. A dummy probe was
run down DDH RRP 239 to check on the hole condition before cutting loops. The
hole proved to be blocked and the dummy probe was lost down the hole. The hole
was not surveyed.

3.4. Petrology

Ten samples from DDH CHP 263, CHP 264, CHP 267 and CHP 268 were thin sectioned
and petrologically described by Central Mineralogical Services.

4. RESULTS RECEIVED

4.1. Geology

The geological and geochemical data produced from the recent drill holes has resulted
in an extensive reinterpretation of the geology in the Colebrook area. This reinter-
pretation has also been influenced by data, presented at the recent G.S.A. Burnie
Symposium by G.R. Green and K.D. Corbett, on the nature of the Rosebery Group.

In the region of Colebrook Ridge the rocks have been regarded previously as correlates
of the Crimson Creek Fm., being characterised, especially in the west, by mafic vol-
caniclastic wackes. Eastwards the rocks show more varied lithologies with siltstones
and thin bedded carbonates and more felsic volcaniclastics amongst the mafic wackes
and mudstones. Geochemically the entire suite is very similar being characterised
by high Fe and Mn values and high to erratic Cr, Cu, Zn values. It is proposed to
refer to these rocks informally in this report as the Colebrook Ridge Wackes (C.R.W.)
An exception to the above pattern was seen in DDH CHP 238 (refer E.Z. Report
No. 164), where the bottom section of the hole intersected a thick limestone and
cyclic units of fine grained wacke, siltstone and pyritic black mudstone, which were
geochemically characterised by much lower values in all elements.