

SUMMARY

Aim of field work carried out in the Huxley area during February 1984 was to assess the southern extent of the Huxley basemetal zone outlined in 1982 and locate anomalous -80# stream gold sites at West Huxley. In addition to field work a compilation of all geological mapping and gold geochemical data from Mt. Owen range west to the EL boundary and south to King River.

The Mt. Read volcanics in this area can be subdivided into three north trending belts.

The eastern most volcanics are adjacent to and possibly stratigraphically beneath the Owen Conglomerate. The sequence here is dominated by tuffaceous sediments with scattered rhyolitic - dacitic lava flows and domes. Sediments are frequently chloritized and sericitized anomalous Ag, Pb, Zn values detected in Huxley Grid sampling and pyritic siliceous exhalitives in the Mt. Maid area are associated with weak gold mineralization.

This unit is bounded to the west by more massive rhyolitic lavas and ignimbrites which are probably overlain in the northern area by the andesitic Whip Spur sequence. Mt. Ellen gold mine is the only prospect within these lavas, but several clusters of low order stream gold anomalies need further investigation. The Jukes Proprietary chlorite chalcopyrite, gold mineralization is probably located on the eastern flank of these massive lavas 2 km south of Mt. Huxley.