

GEOCHEMISTRY

With the exception of the Pb stream anomaly detected this season, only gold geochemistry will be discussed here (see Figure 3). Soil, rock and stream Pb, Zn, Ag has been reported on previously in Mt. Lyell Reports 1972 and Komysan, 1982.

East Mt. Huxley Stream Pb Anomaly. This broad zone detected in seven samples, with range of values 70-270 ppm; with associated low order Cu, Zn maximum 45 and 62 ppm respectively. The zone is located in tributaries of the King and Toft Rivers, an area draining undifferentiated volcanics and Owen Conglomerate of Mt. Huxley. No indication of source of mineralization was detected in stream traverses, lithologies in the area dominated by quartz feldspar phyric ignimbrites. These are unaltered with mineralization restricted to scattered pyrite cubes. The Pb values in this area are of similar tenor to those in streams adjacent to Island Ridge mineralization on the Huxley Grid, fluvioglacial detritus in streams is common to both areas.

Au Stream Geochemistry. The compilation plan (Figure 3) is predominantly compiled from -80# stream sediments and scattered rock chips. No pan concentrate surveys have been carried out for gold in this area. Data has been derived from:

- a) Golden Apple Mining Syndicate 1982 - under contract to Mt. Lyell Co.