DISCUSSION / CONCLUSIONS

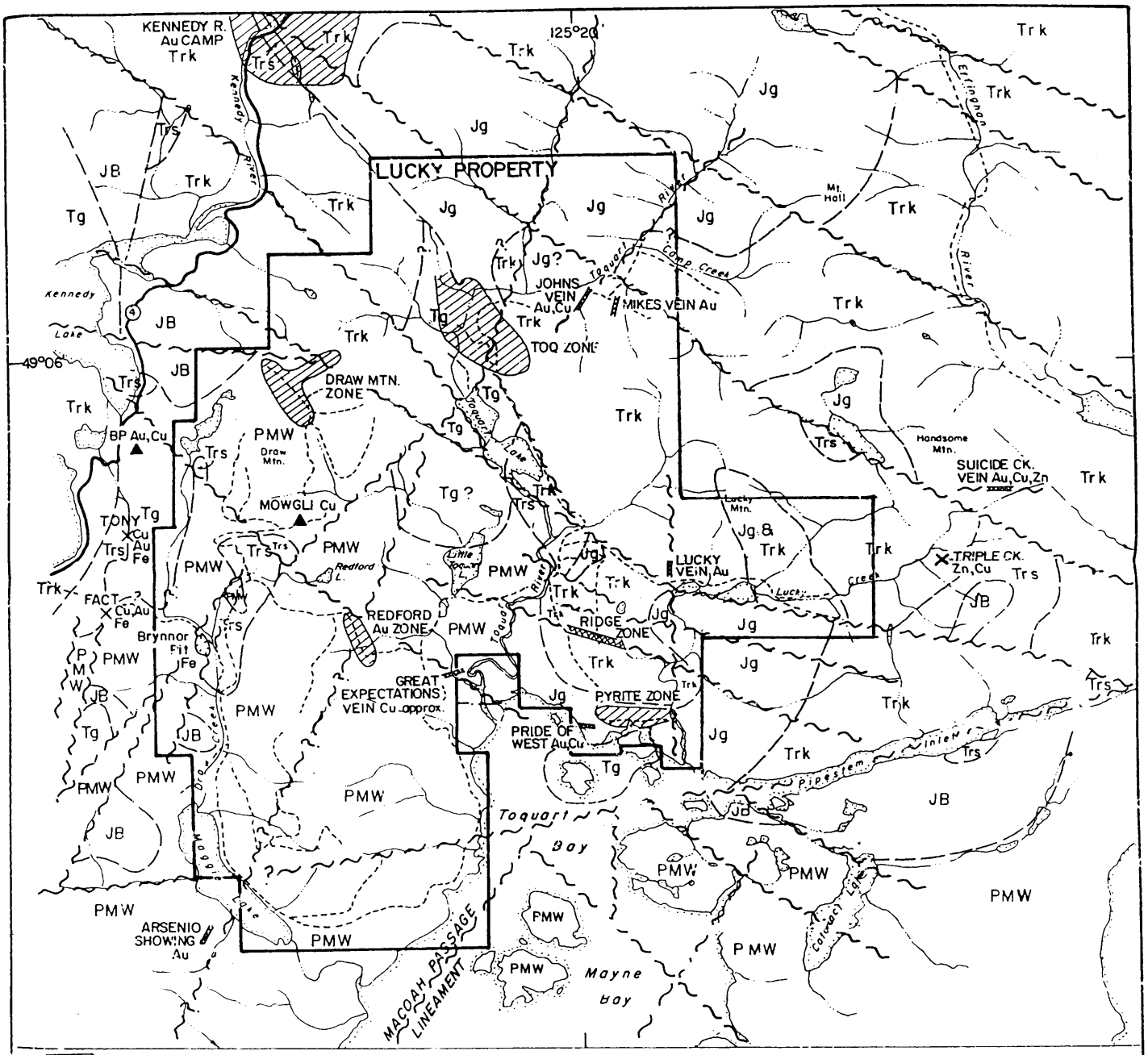
The exploration program on the Lucky Property was successful in identifying several areas which indicate the potential for porphyry/epithermal mineralization. Extended soil sampling at Mt. Redford resulted in broadly scattered anomalous gold. This may reflect the structurally controlled nature of the mineralization as field observations suggest that the arsenopyrite and associated gold occur mainly in veins, shears and in felsic Tertiary(?) dykes, as well as disseminated in the diorite roof rocks. This mineralization is likely related to intrusions which are part of a belt of Tertiary rocks along the west coast of Vancouver Island. Lake sediment samples also returned the highest gold and arsenic values from Maggie Lake, located on the southwest side of Mt. Redford. The same style of mineralization is present in this area as shown by the Arsenio Showing on the west side of Maggie Lake, where arsenopyrite and gold occurs in quartz lenses within diorite at the contact of a dacite dyke.

The Redford Lake grid produced only a few scattered soil anomalies in gold, with overall values much lower than the samples from Mt. Redford. A multi-element (Cu, Pb, Zn, Ag, Ni, Hg, Se) anomaly occurs at the northern two lines of the grid over a width of 550 m. Weakly anomalous gold is occurs peripheral to the central part of this anomaly which is extremely high in zinc and nickel. The extent of this anomaly should be delineated with additional soil sampling, extending the northern lines of the grid west and east, as well as adding lines to the north. The lake sediment sample from Redford Lake was anomalous in arsenic but not gold, and may be derived from the Mt. Redford drainage.

The Draw Mountain area did not produce any significant gold anomalies but several elevated copper values were found in the Draw Lake grid and Draw Mountain road profile soils. The Draw Lake grid returned only a weak, broad gold anomaly at the southeast end of the grid, but elevated copper, zinc, nickel and selenium occurs across 200 m on the west end of line 1300N. This line should be extended westward to delineate the extent of the anomaly. The Draw Mountain road profile soils also returned anomalous elements in two adjacent samples near the Draw (Mowgli) copper showing with values in Cu, Zn, Cd, Sb and Co. Lake sediment sampling returned only one anomalous sample in this region with high molybdenum at the north end of Draw Lake.

In the Lucky Mountain area, numerous anomalous gold values were returned in the road profile soils including two highly anomalous values of 940 and 2040 ppb Au along the C-series. These samples are from the same area as several rock samples taken in 1996 which were also high in gold. These rather isolated highs are may reflect gold-bearing quartz vein mineralization similar to the Lucky Vein. Additional prospecting and sampling should be done in this area.

1996



Tg Tertiary granitoid intrusives (Catface Intrusions)

Jg Jurassic granitoid intrusives (Island Intrusions)

JB Jurassic Bonanza Fm. volcanics

Trs Triassic Quatsino Fm. limestone & Parsons Bay Fm. argillite

Trk Triassic Karmutsen Fm. basalt

PMW Paleozoic-Mesozoic Westcoast Crystalline Complex (Westcoast Diorites)

Contact, fault

Highway, road

SHOWINGS: Vein; Sulfide/altered zone; Skarn; Other

N

CONSOLIDATED LOGAN MINES LTD.

LUCKY PROPERTY

GEOLOGY

TOQUART BAY AREA, VANCOUVER ISLAND

N.T.S. 92F-3 ALBERNI M.D., B.C.

0 1 2 4 6 Km.

SCALE AS SHOWN	DATE: FEB. 1997	FIGURE:
DRAWN BY: R. WALKER		

CHONG