PROPERTY NAME: Humboldt
OTHER NAMES:
MINERAL COMMODITY(IES): Cu
TYPE OF DEPOSIT: Mineralized fault zone in volcanics, fracture fillings
ACCESSIBILITY:
OWNERSHIP: ?
PRODUCTION:
HISTORY:

DEVELOPMENT: One short inclined shaft & one open cut about 40' long X 8' deep in andesite.

ACTIVITY AT TIME OF EXAMINATION: None, not for a long time.

GEOLOGY: Open cut working is in fractured andesite outcrop. The cut trends N50E presumably along a fault structure of the same orientation which is now mostly mined out. The remaining outcrop is cut by N & NW striking, W & SW dipping, epidotized calcite veins which bear copper minerals. Copper minerals also replace the host rock along the NE bearing of the fault zone.

Sample 165 consists of altered andesite & andesite breccia from dump below cut. The rocks are cut or cemented by calcite & contain malachite, azur ite, bornite & possibly chalcocite (steely black mineral). The copper minerals occur in irregular veinlets or discrete clots in host.

Below the open cut & higher dump there is a small inclined shaft (partially caved) which follows a calcite, copper & pyrite bearing breccia zone striking N45E & dipping 60 SE. The brecciated zone in the shaft parallels the zone explored by the open cut & may be part of the same structure (ie, a splay off main fault).

REMARKS: Sample 165

Photo

REFERENCES:

EXAMINER: Bentz
DATE VISITED: 6/6/82