1080 0004

(165) Item 4

PROPERTY NAME: Gold Chief

OTHER NAMES: Silver Wedge #10

MINERAL COMMODITY(IES): Ba, As?, Zn?, Pb?, Ag?

TYPE OF DEPOSIT: Breccia zone, intersecting faults.

ACCESSIBILITY:

OWNERSHIP: C & C Mining & Land Co. & J.W. Coole (locators)
628 North Ridge Dr., Boulder City, NV 89005.

HISTORY: ~~PRODUCTION~~ Located Jan. 2, 1979.

County: Lincoln

Mining District: Chief

AMS Sheet: Caliente

Quad Sheet: Chief Mtn. 7½'

Sec. 8, T 3S, R 67E

Coordinate (UTM):
North 4174930 m
East 0719200 m
Zone +11

DEVELOPMENT: Several adit, mostly caved, lie along fault structure. Lower adit trends S20E. Main working is uphill & to west of lower adit. It consists of a double portalled, inclined adit & large stoped area (glory hole) at entrance.

ACTIVITY AT TIME OF EXAMINATION: None, but claims are probably active & there is evidence of geochemical sampling in last 2 or 3 years.

GEOLOGY: Lower adit (sample location 118) is caved but begins in recrystallized, tan-grey limestone which is fractured & faulted. The beds at portal strike N50E, 20SE. Quartzite outcrops 10-15' west of caved portal. The fault contact between the two different rock type strikes approximately N40-45E & dips 70 SE. The major workings upslope from this adit lie along this fault zone. The rocks along this zone are highly Fe-stained & silicified. Sample 118 was taken from dump of lower adit.

The main adit & stope provide an excellent exposure of highly oxidized & brecciated, intersecting shear zones. A brecciated altered zone is exposed in a stoped which extends for about 25' above the partially caved portal. The stope & inclined adit lie along the main fault zone which faults quartzites (on the NW) against limestones (on the SE). The strike & dip of this zone is N30E, 30-40SE & is 20' or more in exposure width. The adit or incline follows a second, more steeply inclined, intersecting shear which is E-W striking and dips 55S. The entire exposure of rock at the site is highly brecciated, Fe-stained & cut by high angle fissures. Large recrystallized limestone boulders are caught up in zone. Limestone in the zone is veined by calcite, barite & minor quartz. These minerals also occur as gangue in breccia samples. The fault zone contains abundant Fe, Mn & clay. Barite bearing gossan was sampled form dump (sample 119). Sample 120 was taken as chip along a high-angle, gossan & quartz filled fissure on SW side of pit.

REMARKS: Callaghan, 1936, notes several intersecting shears here.

Samples 118, 119, 120 (chip)

REFERENCES: Callaghan, 1936, Geology of the Chief district, University of Nevada Bull., vol. 30, no.2.

EXAMINER: Bentz/Smith

DATE VISITED: 8/17/83