

3990 0005

(100) Item 6

PROPERTY NAME: Rock Hill Mines area

OTHER NAMES: Broken Toe Mine, DHW Claims, Easter Claims

MINERAL COMMODITY(IES): Au, Ag, Mo(?), sulfides, W

TYPE OF DEPOSIT: Vein, placer

ACCESSIBILITY: Good access, directly west of U. S. highway 95

OWNERSHIP: Tungasil Inc, 505 N. Division St., Carson City 89701

PRODUCTION: Small

HISTORY:

County: Esmeralda

Mining District: Rock Hill

AMS Sheet: Tonopah

Quad Sheet: Rock Hill 7.5

Sec. 34, T 4 N, R 36E

Coordinate (UTM): See below

North | | | | | m

East | | | | | m

Zone +11

DEVELOPMENT: See below

ACTIVITY AT TIME OF EXAMINATION: None, but evidence of recent drilling and trenching

GEOLOGY: The Rock Hill mines are situated in the thinly bedded, limestones and mud/siltstones of the Ordovician Palmetto Formation (?). The beds are highly contorted and faulted into a wide range of attitudes and orientations. The beds are cut by highly fractured, sulfide-bearing, vertical calcite and quartz veins with secondary malachite coating fracture surfaces. Doubly terminated quartz crystals up to 2 inches were found, and malachite is intergrown with the quartz/calcite crystals. Sulfides are oxidized and result in heavy iron staining on the host rocks. The main workings at the mine are probably 30-50 years old, however, the entire area around the Broken Toe Mine has been extensively explored, surface and subsurface, within the last 5 years, destroying most of the former workings. Sample 1083 was taken from Fe-Mn oxide stained quartz veins cutting a small outcrop of Jurassic granodiorite approximately 1/4 miles NE of the main workings. The intrusive has been extensively brecciated with stockwork veining, gossan and boxworks; and abundant psilomeline coating the surfaces. There is evidence of at least 3 stages of brecciation and subsequent veining. There are abundant prospect pits, cuts and drill pads in the area, with the workings following a NE trending fault zone. Sample 1084A was taken from a 3 inch wide calcite vein inside an adit at the main workings, adjacent to the main shaft; 1084B was taken from the main dump. 1085 is from the black calcite.

REMARKS: Sample 1083 N4224100 E0416280
1084 N4223620 E0415730
1085 N4223450 E0415690

REFERENCES:

EXAMINER: Smith

DATE VISITED: August 30, 1982