

2950 0011

PROPERTY NAME: Queen Ann Mine

OTHER NAMES: _____

MINERAL COMMODITY(IES): BariteTYPE OF DEPOSIT: Bedded

ACCESSIBILITY: _____

OWNERSHIP: Connel Henrie, H&H Construction, Richfield, UT

PRODUCTION: _____

HISTORY: _____

County: Eureka Item 12 (116)Mining District: Maggie CreekAMS Sheet: WinnemuccaQuad Sheet: Schroeder Mtn. 7-1/2'Sec. 12, T 34N, R 51E

Coordinate (UTM):

North 4 5 1 2 1 4 2 0 mEast 0 5 1 6 1 8 1 9 1 8 0 mZone +11

DEVELOPMENT: Several small open pit mines. Surface exploration continues in surrounding areas. Crushing equipment on property.

ACTIVITY AT TIME OF EXAMINATION: Active mining of barite.

GEOLOGY: Small open pit at Queen Ann Mine exposes north-facing slope composed of 50' high section of thin to thickly bedded shales and cherts of Ordovician Vinini Formation. The beds strike N65W and dip shallowly to SW. The lower 15' of exposed steep face is composed of a conformable, grey, bedded barite unit. The unit probably extends below present surface, but before mining further stripping of the overburden is required because of the already unstable condition of the steep cut face. At the top of the unit (15' above pit floor) there is a massive layer (replacement?) of black barite rosettes about one foot in thickness. Above this layer the shales and cherty shales are oxidized and altered along fractures parallel and perpendicular to the bedding. The fractures are highly iron-stained and many are vertical in attitude.

Sample 1546A is from the altered shales above the massive barite layer. The shales show local concentrations of limonite and hematite. Sample 1547B was collected from ore pile below crusher. It consists of black barite rosettes and coarsely crystalline gray barite with some iron oxides interspersed throughout sample.

REMARKS: Samples 1547A and B.

Photos

REFERENCES: _____

EXAMINER: BentzDATE VISITED: 8/11/82