

1580 0006

PROPERTY NAME: Brennen Mine
 OTHER NAMES: _____
 MINERAL COMMODITY(IES): Pb, Cu
 TYPE OF DEPOSIT: Bedding plane? fault/replacement
 ACCESSIBILITY: _____
 OWNERSHIP: _____
 PRODUCTION: _____
 HISTORY: Unknown

County: White Pine Item 6
 Mining District: Duck Creek
 AMS Sheet: Ely
 Quad Sheet: Cleve Creek Baldy 7 1/
 Sec. 10?, T 17N, R 65E
 Coordinate (UTM):
 North 4 3 5 8 4 0 0 m
 East 0 7 0 1 9 8 0 m
 Zone +11

DEVELOPMENT: 1 cabin 60's vintage. Main working is covered S70E inclined shaft. A series of shallow inclined shafts & prospects lie along structure north of main housed working. Some old wood frames & headframes over northermost workings.

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: Numerous shafts & prospects explore a fault in grey crystalline ls. Fault is well exposed by 10 or more inclined shafts & prospects which line on strike of structure. These workings extend to NE along structure for more than 250' of housed shaft.

The fault zone is about 5-7' in width and is oriented N35E, 40-45 E. It is relatively planar & parallels the bedding of the host ls. Within the zone, the hanging wall is characterized by calcite veining and replaced rock and foot wall is brecciated replaced Fe stained. The replaced rock is discolored (brown colored, unaltered rock is grey) & slicks are common. Near the fault zone, the unaltered grey crystalline ls carries pyrite. Outside of fault zone the ls is platy in habit & somewhat silty.

The mineralized rock is a replaced ls with pods (up to 1" across) of finely crystalline galena, pods of calcite (remobilized), some gossan & heavy FeOxs & small amount CuOxs. The galena occurs in breccia also, but in higher concentrations in replaced, silic ls frags caught up in fault zone

The fault zone pinches out (or Faulted?) to less than 1' wide 150' north of housed shaft.

REMARKS: Sample 704 - Replaced ls with very fine grained galena, gossan & CuOxs. Photos

This location on county geol. map coincides with thrust contact between Cambrian ls & shales.

REFERENCES: _____

EXAMINER: Bentz/Smith

DATE VISITED: 7/27/81