

PROPERTY NAME: Harmony Mine 2270 0008  
OTHER NAMES: \_\_\_\_\_  
MINERAL COMMODITY(IES): Cu  
TYPE OF DEPOSIT: Quartz vein  
ACCESSIBILITY: \_\_\_\_\_  
OWNERSHIP: \_\_\_\_\_  
PRODUCTION: Minor?  
HISTORY: \_\_\_\_\_

County: Humboldt 430  
Mining District: Harmony Hem 8  
AMS Sheet: Winnemucca  
Quad Sheet: Winnemucca East 7 1/2'  
NE/4 NE/4  
Sec. 1, T 35N, R 38E  
Coordinate (UTM):  
North 4 5 3 2 4 9 0 m  
East 0 4 4 5 5 9 0 m  
Zone 11

DEVELOPMENT: Inclined shaft, several prospect pits. Small-to moderate-size dump.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: A 50 cm wide tectonic crush zone lies along a N20E, 50SE fault in greenish calcareous hornfels and phyllite, and possibly greenstone of the Ordovician Valmy Formation. Quartz vein matter with less calcite (partly later than quartz) in the zone contains pyrite, chalcopyrite, and limonite, malachite, and rare azurite. The quartz vein matter is milky with local cockade structure. A prospect pit on ridge 200m east of mine is similar, but contains more limonite gossan in quartz vein matter along a N-trending, 45°(?) East fault crush zone up to 2m wide. Tan to pink calcite occurs as gangue, and is paragenetically later than quartz.

REMARKS: Sample 2324 is grab and select vein matter from the dump of the Harmony Mine shaft.

REFERENCES: \_\_\_\_\_

EXAMINER: L.J. Garside

DATE VISITED: 10 Sep 84