Ely Valley Mines

PROPERTY NAME: Ely Valley Mines
OTHER NAMES: 
MINERAL COMMODITY(IES): Au, Ag, Pb
TYPE OF DEPOSIT: Replacement
ACCESSIBILITY: See map, access road good
OWNERSHIP: Unknown
PRODUCTION: More than $9 million
HISTORY: Production began 1926, intermittent up to present

DEVELOPMENT: 515 foot inclined shaft with three levels, self contained mine site, 40 horsepower power plant, later 100 horsepower engine installed, peripheral workings in surrounding hills.

ACTIVITY AT TIME OF EXAMINATION: None, but site drilled and assessment work is probably kept up, gates locked, evidence of recent visits from unknown persons.

GEOLOGY: Workings collared in alluvium, area mapped as Cambrian Prospect Mountain and faulted contact with Cambrian Pioche Shale (Lake et al). Thorough report on property in USGS PP 171. Property currently has free flowing ground seepage from dump area depositing potentially hazardous waste into ground water system in Lake Valley. Dump heavily Fe-Mn stained and composed to silicified limestone and shale with crystalline pyrite replacing limestone and cementing fault breccia. Crystalline intergrown quartz and calcite also cement breccia. Hornblende-biotite intrusive observed in float. Jarosite crystals coat fracture surfaces. Samples taken of manganosiderate gangue and of unoxidized pyritized quartzite/pyrite-quartz vein material. Abundant wad and pyrolusite occur with ore. Some ore magnetic.

REMARKS: Sample Site 1429,1430


EXAMINER: Smith/Bentz