

2870 0008

PROPERTY NAME: Millers Mill

OTHER NAMES: _____

MINERAL COMMODITY(IES): Ag (Au?)

TYPE OF DEPOSIT: old tailings

ACCESSIBILITY: _____

OWNERSHIP: TW-MNR Associats, Millers Operation

County: Esmeralda Item 37 (96)

Mining District: Lone Mountain

AMS Sheet: Tonopah

Quad Sheet: Lone Mt. 15'

NE/4

Sec. 11, T 3N, R 40E

PRODUCTION: _____

HISTORY: Site of an old mill and extensive tailings from the milling of ores from Tonopah 25km to the southeast. The mill was established in the early 1900's because of a good supply of water.

Coordinate (UTM):

North 4120250m

East 0459850m

Zone 11

DEVELOPMENT: In addition to the old buildings, there is a new 2-story metal building and new? or newly painted (primer) thickener tanks. A large retaining dike has been constructed ; with a pipe along the top. Presumably this dike is to retain reprocessed tailings.

ACTIVITY AT TIME OF EXAMINATION: The mill is in at least partial operation - old tailings are being moved, classified, etc.

GEOLOGY: The new mill at Millers recently applied to the State of Nevada (9June82 Mining Records) for various environmental permits concerning SO₂ dust emissions. There are rumors that the tailings contain about 2 oz./ton Ag, and that 70 percent of this is extractable with conventional cyanide treatment (without re-grinding). Since these are probably from bench tests, 50% may be a more likely recovery in actual operation. Oxidation and reaction with old cyanide in the tailings over many years might have made the tailings more amenable to another cyanide leach.

REMARKS: Photo G822-5 is a view of the new mill buildings, looking northwest.

REFERENCES: _____

EXAMINER: L.J. Garside

DATE VISITED: 12 Jul 82