2950 0017 CRSB UPDATED, 10/84

(116) Item 18

PROPERTY NAME: Maggie Creek Open Pit Mine

OTHER NAMES:

MINERAL COMMODITY(IES): Au

TYPE OF DEPOSIT: Disseminated, replacement

ACCESSIBILITY:

OWNERSHIP: Carlin Gold Mining Co., P.O. Box 979, Carlin, NV 89822

PRODUCTION: Est. reserves, > 440,000 oz. Au.

HISTORY:

County: Eureka

Mining District: Maggie Creek

AMS Sheet: Winnemucca

Quad Sheet: Schroeder Mtn. 7 1/2'

Sec. 34, T 34N, R 51E

Coordinate (UTM):

North 4 5 1 5 2 0 0 m

East 0 5 6 5 7 5 0 m

Zone +11

DEVELOPMENT: Open pit mine

ACTIVITY AT TIME OF EXAMINATION: Active mining.

GEOLOGY: Mining of the Maggie Creek open pit began in July 1980. Unlike the main Carlin pit, the Maggie Creek deposit is hosted by upper plate transitional rocks which are composed of limestones, siltstones, shales & sandstones. The gold mineralization is concentrated along the Less Fault; a highangle north-east striking structure. The gold is associated with Fe & silica. The mineralization is hard to trace since it occurs in both silicified & unsilicified rocks, clay zones & oxidized zones. It is not restricted to one particular rock type or position. The ore zone is related to the Gold Quarry deposit as the two areas are only separated by 200' of barren sediments.

In the northern part of the pit, we observed an outcrop of reddish, calcite veined limestone breccia which was cemented by coarse, white barite. At the west end of the pit we examined a few igneous dikes. In general, the rocks exposed in the pit are much more silicified than the rocks observed at the main Carlin Mine. The sediments at Maggie Creek are faulted (sheared), folded & cut by steep, oxidized fissure or fracture zones. Jasperoid bodies are exposed on the ridges above the pit. No known intrusive rocks outcrop in the area.

Sample 133 was collected from several outcrop exposures of these fissures.

Sample 1562 is a select grab sample from the pit consisting of a silicified siltstone breccia which is cut by fine siliceous veinlets. The rock contains abundant Fe oxs in matrix, may have some volcanic fragments & shows small vugs lined with quartz &/or drusy quartz.
Sample 133, 1562.

Photos.

REMARKS:

* Note - I have placed this mine in S34, T34N, R51E. However, NBMG Speical Pub., The Nevada Mineral Industry, 1981, erroneously places the mine in S29, T34N, R51E. (p.34)

REFERENCES:

EXAMINER: Bentz/Brooks /Mac Farlane

DATE VISITED: 5/27/82