

1280 0031
PROPERTY NAME: Fox Turquoise Mine
OTHER NAMES: Cortez Turquoise
MINERAL COMMODITY(IES): Turquoise
TYPE OF DEPOSIT: Bedded vein/breccia

ACCESSIBILITY: See map - Road good.

OWNERSHIP:

PRODUCTION: > \$100,000

HISTORY: Known since 1910, First mined 1915

County: Lander

Mining District: Cortez

AMS Sheet: Winnemucca

Quad Sheet: Cortez 15'

Sec. Unsurveyed T 27N R 47E

Coordinate (UTM):

North 4 4 4 6 1 0 0 m

East 0 5 2 8 9 0 0 m

Zone +11

DEVELOPMENT:

ACTIVITY AT TIME OF EXAMINATION: None, but recently drilled.

GEOLOGY: Area is small open pit at head of canyon with adits on north and south sides. Workings appear to be in shear zone (according to geologic map of Lander Co., the thrust fault between the Wenban Limestone (Dev) and the Slaven Chert (Dev)). Country rock is sheared, thinly bedded muds and shales, silicified LS, FeOx stained, stained purple, very thin varves, brecciated. At the mouth of the canyon very distinct contact between altered mudstone and thinly bedded alternating layer of shale & FeOx stained siltstone. Contact dips 45° south. Most of the turquoise is in stringers and mammillary pods in altered mudstones. On the south side of the workings the contact is readily apparent, striking E-W and dipping 70° with a slight curve in it. The beds are highly sheared & faulted. There are a secondary set of faults/fractures dipping sharply NW. The turquoise (on the south side) is in stringers, pods and coating fractures in the thinly bedded silic. rocks. The beds appear to be steeply dipping south. Turquoise is also in vein_{40m} in silicified LS.

REMARKS: Sample 654

Photo 23, R21.

REFERENCES:

EXAMINER: Smith/Bentz

DATE VISITED: Nov. 19, 1981