3770 0024

PROPERTY NAME: Grey Eagle Mine
OTHER NAMES: Lee, Helen M Group
MINERAL COMMODITY(IES): Cu,W, Ag?
TYPE OF DEPOSIT: Replacement-vein (skarn), fractures, gossan zones.
ACCESSIBILITY:
OWNERSHIP: Patented, owner unknown
PRODUCTION:
HISTORY: See Crib for Lee Mine.

(74) Dom 24

County: Elko
Mining District: Railroad
AMS Sheet: Winnemucca
Quad Sheet: Carlin 15'

Sec. 9, T 30N, R 53E

Coordinate (UTM):
North 4483900 m
East 0582900 m
Zone +11

DEVELOPMENT: More workings than shown on map. Several open cuts & adits are located on slope east of old cabins at head of Lee Canyon.

ACTIVITY AT TIME OF EXAMINATION: None in area of old workings, but drill roads visible along ridge about 1 mile north of mine.

GEOLOGY: On steep slope SW of main Grey Eagle adit we examined several shallow caved prospects developed in narrow E-W striking skarn "veins". The host rock is grey limestone of the Devils Gate Fm. The limestone forms beds striking NW & dipping to the SW. The skarn is generally restricted to narrow "vein" shaped occurrences. Calcite veins extend from the silicated "vein" into the adjacent wallrock. Sample 173 was taken from an E-striking, high-angl skarn zone. The sample contains minor tungsten & copper mineralization.

Between sample locations 173 & 174, the limestone is notably bleached (white color), marbelized or silicated. One short adit in this area drifts along a silicated gossan zone occuppying a narrow N30E, vertical fracture(s). The main fracture is about 3-4' wide. The host limestone is silicated adjacent to the zone & grades outward to a white marble.

The main Grey Eagle adit trends S35E. Metal track extends from the portal & an ore chute sits on the large dump(s). Most of the dump consists of white marble. The rest consists of dense skarn & gossan. The best mineralized sample showed scheelite, arsenopyrite pyrite, chalcopyrite & bornite in a dense, dark green-brown skarn (samp. loc. 173). At the portal, the bleached (recrystallized) limestone beds dip to the SW & show silicate minerals & gossan developed along a persistant NE fracture or joint system.

Overturning of the sedimentary sequence in this area is due to the fact that we are near nose & axis of Railroad Anticline. No intrusive rocks were observed, but skarn indicates they are probably not far. (beneath the surface.)

REMARKS:

Sample 173 - Skarn
174 - Skarn with sulfides.

Photos.

REFERENCES:

EXAMINER: Bentz/ Brooks

DATE VISITED: 6/8/82