3950 0477

(327)

PROPERTY NAME: Boston-Ely, Matilda Tunnel, Emma Shaft

OTHER NAMES:

MINERAL COMMODITY(IES): Cu, F

TYPE OF DEPOSIT: Contact metasomatic

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION: Unknown

HISTORY:

County: White Pine Hem 79

Mining District: Robinson

AMS Sheet: Ely

Quad Sheet: Reipetown 7 1/2'

Sec. 7, T 16N, R 62E

(Emma Shaft UTM)

Coordinate (UTM):

North 4 3 4 8 1 0 0 m

East 0 6 6 9 2 8 0 m

Zone +11

DEVELOPMENT: Numerous workings including adits & extensive underground workings (Emma Shaft)

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: Sample 721 was collected from a 20' deep shaft near the Boston-Ely. The shaft exposes a fault? contact between white limestone (bleached?) & grey limestone. Lots of Fe-rich breccia & gossan were found on dump.

Sample 722 is from the west striking Matilda Tunnel & consists of silicified brown sandy limestone with vugs & fracture fillings of Cu minerals & oxides. The tunnel exposes a N70W shear in silicified & replaced limestone.

Sample 723 is from the dump of the Emma Shaft & is composed of limestone with Cuoxs & tactite with fluorite garnet & feldspar replacing limestone. The tactite type rock occurred next to calcite veins which are cut by fractures & secondary veinlets.

E of the Emma Shaft is a caved E-striking adit which exposes a silicified replaced (Cuoxs) brown-grey limestone (in footwall) faulted against a thin bedded white crystalline is (hanging wall). The fault strikes E-W & dips 40° S. The sharp contact is marked by Feoxs. The replaced rock in the footwall is cut by a few minor faults.

Most of the Shafts in the area explore the replaced silicified limestone in footwall of major structure mentioned above.

REMARKS: Samples 721-723
Photos

REFERENCES:

EXAMINER: Bentz/SMith

DATE VISITED: 7/30/81