

5290 0046

(344) Item 46

PROPERTY NAME: Dog Star

OTHER NAMES:

MINERAL COMMODITY(IES): Pb, Zn, Ag?

TYPE OF DEPOSIT: Replacement along bedding plane shear in limestone.

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY:

County: White Pine

Mining District: White Pine

AMS Sheet: Ely

Quad Sheet: Pancake Summit 15'

Sec. 3, T. 16N, R. 57E

Coordinate (UTM):

North 4 3 4 8 2 7 5 m

East 0 6 2 6 3 2 5 m

Zone 11

DEVELOPMENT: Several connecting stopes with dips to NE, W &amp; NW.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: Stoping exposes a limonitic & hematitic brecciated gossan horizon in the roof of the workings. The gossan horizon marks a shear structure which is oriented. N60E 24NW. Altho the structure rolls a bit, it more or less parallels the bedding of the host rock.

The host rock is a dark grey limestone (Hansen Creek dolomite?) which displays minor carbonate veining. Abundant gossan is found along the bedding plane shear silicified limestone & vuggy drussy quartz. Cementing a limestone breccia is found in outcrop of ridgecrest near workings.

Mine stoping follows the structure uphill to ridgecrest. Near ridgecrest a 4' wide steep shear cross-cuts the bedding plane structure. The high angle shear is oriented N20W, 70SW. Large pods of gossan were observed in place where the structures of this range intersect.

The Jenny A Mines are located on the steep E slope as observed from the ridgecrest. These mines were not visited but did not look like they had been worked for a long time. Slide #2 (RBJ) Looking SW, up draw in which Jenny "A" mine is located. Looking @ old workings.

Sample 913 - Gossan from Dog Star dump

914 - Silicified replacement limestone with irregular pods & lenses of steely grey cerussite crystals. Also some yellow oxides. This sample is from oxidized Pb horizon.

REMARKS: Photo Jones Slide #1 - #2 - NW view of stoped workings  
R4-#11 - Same view as Jones.

REFERENCES:

RBJ &amp; Bentz

EXAMINER:

DATE VISITED: 7/11/81