1630 0022

(168) Item 22

PROPERTY NAME: Caved Shaft

OTHER NAMES: Sample location 1710-1711

MINERAL COMMODITY(IES): Au?, Ag?, F?, Ba?

TYPE OF DEPOSIT: Vein (epithermal)

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY:

County: Lincoln

Mining District: Eagle Valley

AMS Sheet: Caliente

Quad Sheet: Deer Lodge Canyon 7 1/2

Sec. 25, T 1N, R 70E

Coordinate (UTM):

North 4|2|0|1|1|0|0 m

East 0|7|5|6|5|2|0 m

Zone +11

DEVELOPMENT: Sample location 1710 consists of 1 caved shaft filled with debris to the depth of about 7'. Main working (Sample location 1711) is stope/shaft combination in quartz-veined volcanic. Several additional small prospects & workings in area are not shown on map.

ACTIVITY AT TIME OF EXAMINATION: Recent flagging at sample location 1711.

GEOLOGY: Sample 1710: Host rock for vein is light maroon to purple latite or andesite which displays an aphanitic groundmass containing clay-altered plagioclase phenocrysts & chloritized hornblende & biotite phenocrysts. The rock is relatively phenocr rich & shows Fe-staining due to oxidation of mafic minerals.

A prominent rib of banded, fissure & cockscomb type quartz vein outcrops at south edge of caved shaft. Entire rib is composed of several, banded, Fe-stained, sub-parallel quartz veins which together form a total vein outcrop width of 3-4'. The vein(s) strikes N30E & dips 75SE. Prismatic, comb quartz forms the mid-portion of vein outcrop white massive to crudely banded, white, Fe-stained quartz composes rest of vein. Quartz after calcite laminae are common in more massive white vein material. Latite host is sheared on both sides of vein are due to forcible intrusion of vein. Also some portions of vein appear brecciated & recemented by quartz. Massive to banded, prismatic to sugary white quartz vein material from dump contains oxidized pyrite & possibly minor magnetite. Some clear to pink fluorite possibly intergrown with vein material or coating vugs. Also some vein material is heavy & may contain barite. Rock is vuggy & Fe-stained.

vein 3-4' wide composed of banded quartz (on margins) & prismatic-comb quartz(in center)

Sheared maroon latite.

S

shaft

Sample location #1710.

Sample Location 1711: Shaft shown on map consists of short stope & shaft developed along N-striking, 65E dipping sheeted quartz vein system in same host as described for sample location 1710. Veins are composed of comb or prismatic quartz, are sub-parallel in orientation & cut the host rock in a zone more than 10+' in width. The main vein is 1-3' in width with ~~REMARKS~~ smaller sub-parallel veins & veinlets extending outward into host. (See below)Typically the veins are white & banded, or form cockade (radiating) or drusy encrustations on silicified & bleached rock fragments. Most veins have open centers or Fe-stained vugs. Calcite & siderite interlenses compose almost 1/2 of vein. Quartz after calcite pseudomorphs are very common. Several stages of veining are evident. Some vein material is brecciated.

Samples 1710

1711

Sample location 1711: Surface Sub-parallel quart veins main quartz vein

REFERENCES:

S

Stope

Shaft

EXAMINER: Bentz/Smith

DATE VISITED: 9/14/83