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NEVADA DOMINION - PYRAMID DISTRICT

Lindsey, 9/22/65

Mineralization in the Nevada Dominion appears to occur along a series of northwesterly trending fractures which are a part of the general northwest trending fracture system in western Nevada. Mineralized strike lengths appear to be rather short and the fractures do not appear to have sustained any great amount of horizontal or vertical movement. Alteration is not intensive but is fairly widespread, occupying a zone perhaps 50 feet wide along some of the more prominent structures. This alteration appears to be a weak silicification and weak kaolinization. The only one of these mineralized structures which shows any continuity of strike length is the Nevada Dominion structure itself, and this is perhaps 2000 feet long including some intervening areas that are not exposed. At the southeasterly end of the Nevada Dominion structure, the structure appears to be more of a wide shear zone than a single fracture. These shear zones are filled with iron oxide, quartz being very sparse. To the northeast at the Nevada Dominion shaft proper, the structure appears to be more of a single unit with weak alteration and silicification in and flanking the vein.

There is some question as to the age of the wall rock. It has been mapped as Hartford Hill, and if this is true then the thickness of the volcanic pile here is probably rather small. I however feel that this could very well be the porphyritic dacite unit of the Kate Peak formation and I hope to solve this dilemma by talking with and perhaps taking a field trip with Hal Bonham of the Nevada Bureau of Mines. After this field trip it may be possible to assign a very thick volcanic rock section to this area.

NOTES ON PYRAMID DISTRICT, WASHOE CO.

Examined 9/8/65, with Lindsey.

Reference: Lincoln, 1923, p.238. Country rock Tpd. Main structure, probably that of the Nevada Dominion mine, strikes NW, nearly vertical. Lies within a zone 100' wide, of silicification, iron-staining and bleaching. Vein is a sheeted zone about 4' wide. Shows quartz, pyrite. Country rock here dips 20 NE.

Shaft with bucket has pyrite and qtz on dump. To SE, workings expose vein for several hundred yards, and to an elevation 600' higher than the shaft. There is less mineralization at the higher elevation.

Parallel structure, a good distance to SW: Strike N55W, 52 SW. Fairly strong break continues upstream on to hill to SE. Some copper stain on dump of adit below and slightly downstream from shaft.

Second parallel structure, about same distance to SW: N 60 W, 90. Good walls 2.5 ft. apart. Strong bleaching between.

Production.-(Copper, silver, gold).

1881	2616 tons	\$39,533 (\$15.10)
1883	---	25,000
1884	18	3,094 (?)
1889	---	<u>19,473</u>
		\$87,100

Conclusions.- The relatively strong vein fractures, up in Tpd, could well contain ore bodies in Tpa below. Deserves detail mapping and geochemical prospecting; regional geology should be carried far enough to disclose if possible depth of Tpd-Tpa contact.