

5100 0005
PROPERTY NAME: Wahmonie
OTHER NAMES: Horn Silver Mine
MINERAL COMMODITY(IES): Argentite, Cerargyrite, Hessite, Gold
TYPE OF DEPOSIT: Epithermal
ACCESSIBILITY: Approximately 20 miles Northeast of Lathrop Wells on the Nevada Test-site
OWNERSHIP: U.S. Government
PRODUCTION: No record or ore being shipped
HISTORY: Was prospected in 1853. High-grade Au-Ag strike made in 1928 by McCrea and Lefler.

(259) Item 5
County: Nye
Mining District: Wahmonie
AMS Sheet: Death Valley
Quad Sheet: Skull Mtn. 7 1/2'
Unsurveyed Sec. 13S 52E
(projected)
Coordinate (UTM):
North 4 0 7 4 8 9 0 m
East 0 5 7 4 3 5 0 m
Zone +11

DEVELOPMENT: The (500 ft.) Wingfield shaft (radiocatively contaminated). Six shallow shafts (not accessible). Many shallow prospect-pits and trenches. No buildings, poor roads.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: Rocks exposed within the district are mainly andesites, dacites and latites which have been intruded by Tertiary granites(?) and rhyolites according to Ekren and Sargent 1965. The surface exposures of some of the intrusives are restricted to hydrothermal alteration along a N.E. trending fault structure that follows the eastern boundry of a horst. The alteration can be traced over four miles to the southwest and several miles to the N.E. of the Wingfield shaft forming an eliptically shaped halo. Argillic alteration with silicification including; cockade structures filling vugs, quartz veins strong oxidations and brecciation. Visable mineralization from selected samples collected in dumps and prospect-pits included; cerrargyrite sulfides, alunite(?) Fe-Mn oxides and gypsum. Many of the veins are strongly cross-cut with quartz, even after brecciation. Of the twenty samples collected four were fire assayed for gold-silver. The sample from the dump near the Wingfield shaft ran 20 .oz/ton Ag. and 0.67 oz/ton Au. One of the other four samples taken from a dump .7 miles to the N.E. ran 50 oz/ton Ag and .65 oz/ton Au. The sample from the dump near the Wingfield dump was examined on a micro-probe and found to contain cerrargyrite, argentite, and hessite. Another six samples from Wahmonie were located in the Mackay School of Mines Museum which were donated by George Wingfield, Governor Hutchinson and others. One of the samples was from the contaminated shaft. Pieces from two of the museum samples were analyzed on the micro-probe before being fire assayed, mineral identified included; free gold, cerrargyrite, hessite and cinnabar. Fire assay results were 36.0 and 43.0 ounces of Au/ton and 1224.0 and 1461.0 ounces/ton of Ag respectively.

REMARKS: In addition, an IP Survey at Wahmonie was conducted after an inferred intrusive was targeted from aeromagnetic and gravity data. The center of the intrusive is thought to be at 300 meters almost directly beneath the Horn Silver Mine (Wingfield Shaft). The high polarizability below 300 meters (water-table?) was thought to be due to disseminated mineral deposit containing 2-4% sulfides. Since the Wingfield shaft was sunk to only 500 ft. and was in highly oxidized material, high in Au and Ag but low in polarizability one must conclude the area would make an excellent exploration target. A spread of core-holes along the structure, including penetration of the intrusive might very well identify valuable resource.

REFERENCES:

EXAMINER: J. Quade

DATE VISITED: 1982-83

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