5100 0005	259 Item 5
PROPERTY NAME: Wahmonie Horn Silver Mine	County: Nye
OTHER NAMES:	Mining District: Wahmonie
MINERAL COMMODITY(IES): Argentite, Cerargyrite, Hessite, Gold	AMS Sheet: Death Valley Skull Mtn. 7 1/2'
TYPE OF DEPOSIT:Epithermal	Quad Sheet: Skull Mtn. 7 1/2
ACCESSIBILITY: Approximately 20 miles Northeast of Lathrop Wells on the Nevada Test-site	Unsurveyed T 13S R 52E (projected)
OWNERSHIP:U.S. Government	Coordinate (UTM):
	North 4 0 7 4 8 9 0 m  East 0 5 7 4 3 5 0 m
PRODUCTION: No record or ore being shipped	East 0,5,7,4,3,5,0 m
HISTORY: Was prospected in 1853. High-grade Au-Ag strike	Zone +11
made in 1928 by McCrea and Lefler.	
DEVELOPMENT: The (500 ft.) Wingfield shaft (radiocatively contami	
(not accessable). Many shallow prospect-pits and trenches. N	lo buildings, poor roads.
ACTIVITY AT TIME OF EXAMINATION: None.	
GEOLOGY: Rocks exposed within the district are mainly andesit	es, dacites and latites which
have been intruded by Tertiary granites(?) and rhyolites accord	ding 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 bound	lry of a horst. The alteration ca
be traced over four miles to the southwest and several miles t	
forming an eliptically shaped haleo. Argillic alteration with	
cockade structures filling vugs, quartz veins strong oxidation	
mineralization from selected samples collected in dumps and pr	
sulfides, alunite(?) Fe-Mn oxides and gypsum. Many of the vei	
quartz, even after brecciation. Of the twenty samples collected	
gold-silver. The sample from the dump near the Wingfield shafe	
ton Au. One of the other four samples taken from a dump,7 mil	
Ag and .65 oz/ton Au. The sample from the dump near the Wings	
micro-probe and found to contain certargyrite, argentite, and	
from Wahmonie were located in the Mackay School of Mines Museu Wingfield, Governor Hutchinson and others. One of the samples	which were donated by George
shaft. Pieces from two of the museum samples were analyzed or	the micro-probe before being
fire assayed, mineral identified included; free gold, cerrargy	rite hessite and cinnabar. Fire
assay results were 36.0 and 43.0 ounces of Au/ton and 1224.0 a	and 1461.0 ounces/ton of Ag
respectively.	and I jozyo cancee, ton or in-
REMARKS: In addition, an IP Survey at Wahmonie was conducted	
was targeted from aeromagnetic and gravity data. The center of	
at 300 meters almost directly beneath the Horn Silver Mine (W	ingfield 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 w	was sunk to only 500 ft. and was
in highly oxidized material, high in Au and Ag but low in pola	
area would make an excellent exploration target. A spread of	
including penatration of the intrusive might very well identi	IX valuable resource.
REFERENCES:	
EXAMINER: J. Quade	DATE VISITED: 1982-83
LAAMINEH,	DISTRIBUTION

PROPERTY NAME: Wahmonie	County: Nye
Horn Silver Mine	Mining District: Wahmonie
OTHER NAMES: Argentite, Cerargyrite	, Hessite, Gold  AMS Sheet: Death Valley  Skull Mtn. 7 1/2
Frithermal	Quad Sheet: Skull Mtn. 7 1/2'
TYPE OF DEPOSIT: Epithermal	
ACCESSIBILITY: Approximately 20 miles Northe	ast of Lathrop Wells    Unsurveyed   T   13S   8   52E   (projected)
on the Nevada Test-site	(projected)
OWNERSHIP: U.S. Government	Coordinate (UTM):
	North 4 0 7 4 8 9 0 m  East 0 5 7 4 3 5 0 m  Parade Au-Ag strike +11
PRODUCTION: No record or ore being shipped	East 0 3 7 4 3 9 0 m
Was prospected in 1853. High-	grade Au-Ag Strike Zone
made in 1928 by McCrea and Lefler.	
(FOO St. ) Himselald shaft	(radiocatively contaminated). Six shallow shafts
The (500 it.) wingfield shall	(radiocatively contaminated). Sin sharing poor roads
(not accessable). Many shallow prospect	-pits and trenches. No buildings, poor roads.
None.	
ACTIVITY AT TIME OF EXAMINATION: None.	
Rocks exposed within the distr	rict are mainly andesites, dacites and latites which
have been intruded by Tertiary granites (	?) and rhyolites according to Ekren and Sargent 1903.
The surface exposures of some of the int	rusives are restricted to hydrothermal afteration along
a N. F. trending fault structure that fol	lows the eastern boundry of a horst. The alteration ca
be traced over four miles to the southwe	est and several miles to the N.E. of the wingfield shall
forming an eliptically shaped haleo. Ar	gillic alteration with silicification including;
acakada etructures filling vugs, quartz	veins strong oxidations and brecclation. Visable
mineralization from selected samples col	lected in dumps and prospect-pits included; cerrargyri
sulfides, alunite(?) Fe-Mn oxides and gy	ypsum. Many of the veins are strongly cross-cut with
quartz, even after brecciation. Of the t	wenty samples collected four were fire assayed for
gold-silver. The sample from the dump r	near the Wingfield shaft ran 20 .oz/ton Ag. and 0.67 oz/
ton Au. One of the other four samples to	caken from a dump.7 miles to the N.E. ran 50 oz/ton the dump near the Wingfield dump was examined on a
Ag and .65 oz/ton Au. The sample from the	gyrite, argentite, and hessite. Another six samples
micro-probe and found to contain certain	School of Mines Museum which were donated by George
Trom wanmonie were located in the Mackay	cs. One of the samples was from the contaminated
shaft Diagos from two of the museum Sa	amples were analyzed on the micro-probe before being
fire assayed mineral identified include	ed; 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.	
respectively.	
In addition, an IP Survey at V	Wahmonie was conducted after an inferred intrusive
was targeted from aeromagnetic and grav	ity data. The center of the intrusive is thought to be
at 200 maters almost directly beneath th	he Horn Silver Mine (Wingfield Shaft). The high
nologicability below 300 meters (water-	table?) was thought to be due to disseminated mineral
denosit containing 2-4% sulfides Since	e the Wingfield shalt was sunk to only you it. and was
in highly ovidized material high in Au	and Ag but low in polarizability one must conclude the
area would make an excellent exploration	n target. A spread of core-notes along the structure,
including penatration of the intrusive	might very well identify valuable resource.
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REFERENCES:	
J. Quade	DATE VISITED: 1982-83
EXAMINER:	Diffe Figure 2