

2320 0001

R e p o r t

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THE ESTES PROPERTY - (The Mary Hill Group)

Corral Canyon - Hill Top Mining District,

Battle Mountain - Lander County,

N e v a d a

Examination: Nov. 8-9, 1913.  
Report: Dec. 3, 1913  
By: W.H. Sirdevan.

# R e p o r t

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### T H E E S T E S P R O P E R T Y

The Estes Property - known as the Mary Hill Group - comprises seven full claims located on the north slope of Corral Canyon, Shoshone Range of mountains, Hill Top Mining District, Lander County, Nevada. The group is about two miles northeast from the old camp of Kimberly, 22 miles from Battle Mountain, and 14 miles from Beowawe - the last two points being Southern Pacific railroad stations.

#### Geology

The geology is shown roughly on the accompanying plate. The metamorphosed sedimentaries - slate and quartzite - dip into the hillside at a low angle and are cut by a narrow belt of granodiorite. This strip of granodiorite is probably a dike from the main granodiorite mass which forms the nearby mountain on which the Gray Eagle Lead-Silver Mine is located.

In the slate area certain beds have been susceptible to the action of surface solutions, and have been altered and mineralized to a depth of about 50 feet along the dip. This is shown in several inclines that were sunk several years ago where the surface showings were best. Some high-grade ore is said to have been mined from this old work.

The most recent development is a tunnel 288 feet in length. This was driven by the present owner - Mr. Estes. See the accompanying plate for a plan and section of this tunnel and the sampling results. The portal of the tunnel is in a narrow canyon, and the course of the tunnel follows a slip or fault which is probably the water course for the canyon drainage. For the full length of the tunnel the slate is soft, very much altered, and damp. Within the area covered by the samples ( see plate ) the slate is very much broken up and iron stained. The gold occurs free in this iron stained mass, and the owner

bases his estimates on pan tests.

The tunnel samples indicate that the best ore is included by samples 65 to 68 inclusive. This is all length of forty feet or a thickness of about 10 feet for a bed with the flat dip of 15 as shown on the section. The average value for this width is \$2.70 in gold and \$2.50 in silver - or - a total average value of \$5.27 per ton. An average value of \$8-\$9 per ton was claimed for a much greater length along the tunnel.

No drifting has been done east or west at this point to determine the lateral extent of this best ore. In my opinion the tunnel has cut the ore at the most favorable point, and the enriched zone is not extensive. The surface indications are not very favorable.

#### Working Conditions

The property is well located as regards the labor supply, cost of transportation, dump room, and location for a mill.

There is no timber in the vicinity, and the water supply is not plentiful.

Labor costs would be about the same as at Tonopah - \$4 per day.

#### Working Costs.

Nearly 50% of the value of the ore is in silver so that cyanidation is the necessary treatment.

The total cost of mining and milling would be at least \$5 per ton, leaving practically no margin of profit with the average grade of ore as given above.

#### Sampling Results

See the following sheet for a list of the assay results.

#### Conclusions

The property is not recommended.

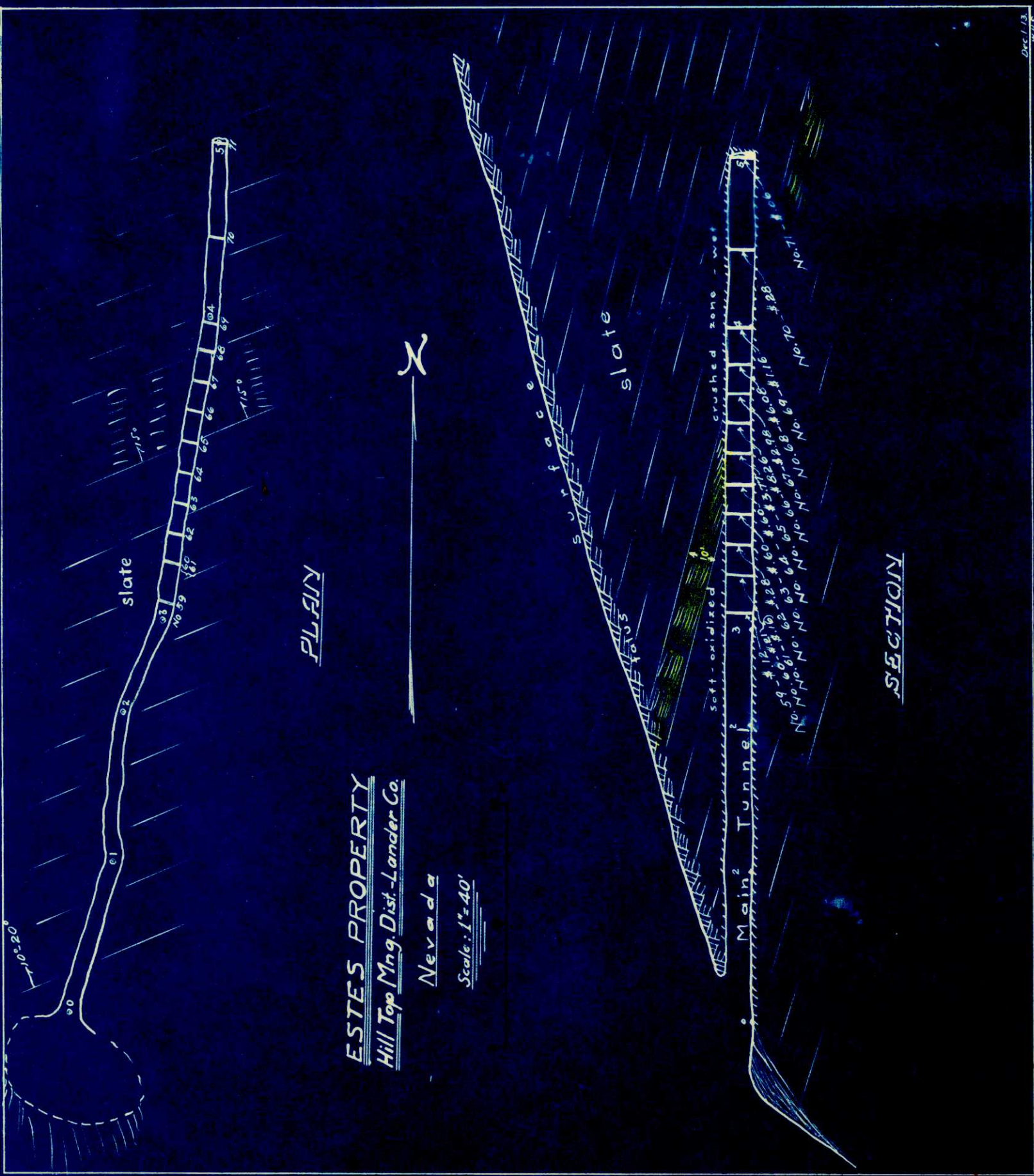
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Sampling Results

No sample widths are given as most of the samples outside of the tunnel are grab samples. Samples taken in the tunnel are grouped together to obtain a general average.

NO.	ASSAY			REMARKS
	Gold	Silver	Total	
59	-	\$ .12	\$ .12	Tunnel sample - see section.
60	-	\$ .21	\$ .21	" " " "
61	tr	\$ .16	\$ .16	" " " "
62	tr	\$ .28	\$ .28	" " " "
63	tr	\$ .60	\$ .60	" " " "
64	tr	\$ .60	\$ .60	" " " "
65	\$1.60	\$2.17	\$ 3.77	" " " "
66	\$4.80	\$3.46	\$8.26	" " " "
67	\$1.20	\$1.78	\$2.98	" " " "
68	\$3.20	\$2.88	\$6.08	" " " "
69	\$ .80	\$ .36	\$1.16	" " " "
70	tr	\$ .28	\$ .28	" " " "
71	tr	\$ .06	\$ .06	" " Face " "
72	\$ .80	\$ .86	\$1.66	Tunnel Dump - 50# Grab Sample.
73	\$1.60	\$2.83	\$4.43	Picked sample from the outcrop by Estes - see map.
74	tr	\$ .93	\$ .93	Grab from Outcrop - see map.
75	\$ .80	\$1.46	\$2.26	" " " " "
76	\$32.80	\$11.71	\$44.51	See Map - Grab from several sacks of yellow ore mined from a streak 6" to 10" in width - work done about twenty years ago.





ESTES PROPERTY  
Hill Top Mng. Dist. - Lander Co.

Nevada  
Scale: 1" = 40'

SECTION



