

5290 0002

344

item 2

TONOPAH MINING CO. OF NEVADA	
MINING AND EXPLORATION DEPARTMENTS	
REC'D JUL 22 1913	
SEEN	
ANS'D	

R e p o r t

o n

T H E   G R A N T E L M Y E R   P R O P E R T Y

Hamilton, White Pine County, Nevada.

With Notes and Claim Map of  
The White Pine Mining District

Examination: June 25/13  
Report: July 16/13  
By W.H. Sirdevan.

(See map files)



R e p o r t

o n

T H E   G R A N T E L M Y E R   P R O P E R T Y

The Grantelmyer property comprises full ownership of sixteen patented claims, and one-half interest in five other claims owned jointly with another estate. All of the claims are located near Hamilton, White Pine County, Nevada.

This district produced several millions of dollars from 1868 to 1873. Most of this production came from rich silver deposits, which were shallow in extent and were soon exhausted. Since that time mining has been carried on in a desultory fashion from small copper-lead-silver stringers in the limestone.

About twenty-five inhabitants remain at Hamilton - most of these being old residents or their relatives having property interests to keep them.

The accompanying map is a rough tracing from a blue print, and shows the location of most of the claims of the district. The Grantelmyer claims are drawn with heavy lines and show corner posts.

Geology.

The eastern base of the White Pine range is limestone dipping to the east. This is overlain by a bed of dolomite extending about to Pogonip Hill and followed by successive beds of limestone - all conformable - to the crest of Treasure Hill ridge. A shale bed overlies the limestone and covers the eastern side and part of the top of Treasure Hill.

The bonanza silver ores occurred along the crest of Treasure Hill ridge, and came chiefly from the Hidden Treasure, Auroras, and



Eberhardt claims. The ores are thought to have originated as follows: The crest of Treasure Hill ridge is the axis of an anticlinal fold. The limestone was very much fractured along the axis of this fold, but the shale was more elastic and did not shatter, thus forming a barrier to upward moving solutions, and aiding the deposition of ore in the fractured limestone. Erosion later removed the shale and exposed the ore bodies at the surface.

Most of the ore mined appears to have come from large open cuts. One of these is from 50' to 150' wide, from 300' to 500' long, and from 25' to 75' deep. Shoots and stringers from these masses extended a few hundred feet deeper, but no very valuable ore was found in depth. A shaft 1700' (approx.) was sunk on the Aurora claim, and a tunnel was driven from a point a little north of Eberhardt to connect with it. None of this development work found any ore of importance.

From Treasure Hill ridge west to The White Pine range the ores carry lead and copper - the silver content being very much higher in the dolomite area at the Ne Plus Ultra, Homestake, and Rocco claims. Considerable rich ore is said to have been shipped from these claims, but no work is being done there at the present time.

The ore occurs along East-West fissures in the limestone, and varies from very small streaks to masses three feet or more in width.

Claims Visited and Brief Notes on Showings.

Eureka Claim. An open cut along an east-west fissure; small seam of copper ore, oxidized, and not strong.

Compensation. Little copper showing - not good.

Oh Joe. A tunnel on an east-west fissure. Not a good showing.

My Maryland. Work on a north-south fissure - not a good showing.

C.T.Fay. Fair seam of Cu-Pb-Ag ore; width 2" to 15"; dip about 30 east; considerable stoping by leasers; fair showing.

C.O.D. Work on a north-south fissure by three tunnels; most of the workings not accessible; some very good looking ore; a fair showing.



Imperial. East-west seam, varies considerably in width, but is a fair looking ore; much stoping done here.

Congress. Nothing here.

Glasier. No workings accessible, but there are two or three dumps of honey-combed, black stained limestone ore; grab sample taken.

Black, Hemlock, and Pogonip Claims. Several dumps from shallow openings now inaccessible. Picked sample taken from the Black dump.

#### Sampling Results.

No cut samples were taken as the showings did not warrant it. Two grab samples were taken with assay results as follows:

No.1 From the Glasier dump; about twenty tons; claim good ore; assay: Au-tr; Ag- \$2.46.

No.2. From the Black dump; picked sample of rich looking ore; Assay: Au - \$ .80; Ag - \$30.52 - Total \$31.52.

#### Conclusions.

If there is a revival of mining in this district, the location of the Grantelmyer claims will make them valuable.

The best prospects are on the C.T.Fay, C.O.D., and Imperial claims. These would warrant further prospecting by leasers, but not by a large operating company.

I do not recommend the Grantelmyer property.

About half way between the Eureka and Homestake claims (see map)- there is a very promising prospect. At the time of my visit the development work consisted of a tunnel about 150 feet long cutting a N.E.- S.W. fissure at a depth of about 150' from the surface. A drift along the vein for 30 feet did not show very much ore, but a winze below the tunnel level (about 25' deep then) showed from 2' to 4' of very rich looking Pb-CupAg ore. A grab of one large piece of this ore gave the following assay:

Gold -- .08 ozs. --	\$1.60	(\$20.00)
Silver -- 73.12 ozs.	\$43.87	( 60¢ )
Copper -- 17.19%	\$51.57	( 15¢ )



(4)

Lead -- 833.00% -- \$28.38 ( 4.3¢ )

Total Value --- \$ 125.42

This is an excellent smelting ore, and is especially desirable on account of the high silver content. I have asked Harwood - the owner of this prospect - to send me a sample from the winze at greater depth, and also from the drift if future driving discovers anything worth while. I think this prospect is worth a short examination in case I am in that district again.