

GWINN MINE

SURFACE:

Shipments were continued from the two low grade Silica ore piles, both of which were nearly cleaned up at the end of the year. Shipments for the year and balance of ore in stock are as follows:

	<u>SHIPMENTS</u>	<u>IN STOCK DECEMBER 31, 1923</u>
Gwinport,	2,873	1,745
Gwinn Silica,	<u>25,656</u>	<u>5,709</u>
Total,	28,529	7,454

UNDERGROUND:

During the past year a crew of men have been employed retimbering. In a few cases small pillars have been mined, as it would not pay to keep drifts retimbered in order to mine these pillars later. Following is a report of the years work:

The 5th Level drift to the ore body was repaired, lining sets being put in in 800 feet of this drift, where it passes through the ore body.

A number of lining sets were installed in the 6th Level haulage drift, and two raises from the 6th to the 5th were repaired and new cribbing installed.

A drift on the 3rd sub above the 8th Level was retimbered for a distance of over 100 feet, and new cribbing put in two raises on this sub-level, one extending up to the 7th, and the other from the 8th Level up to this sub-level.

On the 2nd sub-level above the 8th, a small pillar about 15 feet square was mined, as it would be necessary to keep over 200 feet of drift on this sub-level open if this pillar had been left to be mined at some future time. A number of lining sets were put in on this sub-level to keep that part open where the ore has not yet been mined.

A drift about 200 feet in length was retimbered on the 2nd sub-level below the 8th, while on another part of this sub-level, a number of lining sets were put in.

Considerable work was done retimbering the 9th Level haulage drifts, more work being done on this level than at any other point in the mine. New timber was installed in practically 600 feet of drift on this level, and lining sets in approximately 200 feet.

Lining sets were installed in the drift used for bringing timber into the 2nd sub below the 9th Level, and two small pillars mined where it would not pay to keep the drifts retimbered.

A number of lining sets were installed in the ore drift on the 3rd sub- below the 9th, so that the drifts driven on this sub-level, just before the mine closed down, could be kept open so that mining could be started here with no delay when the mine reopened.

On the 4th sub below the 9th, a number of lining sets were installed during the year, and a small pillar about 10 feet square mined out that had been left near one of the raises where the ore body had been mined on both sides of this pillar for a distance of 60 feet. A drift was open to this pillar, but the timber was in bad condition.

A number of lining sets were installed in an ore drift on the 5th sub below the 9th. At one place the back here had caved a distance of 15 feet above the old sub-level. This was filled with lagging and old timber.

A number of lining sets were installed in the 10th Level drift, where it passes through the ore body; also in the rock drift from the shaft. Two raises from the 10th to 9th Level were repaired, the old cribbing being removed and new cribbing installed.

A number of lining sets were installed on the 4th sub below the 10th Level in an ore drift between two raises. A number of lining sets and some new sets were installed on the 7th sub-level below the 10th.

Lining sets were installed on the 9th sub below the 10th.

On the 11th Level, a few new sets were installed, and also some lining sets; additional poles were put in for lagging in the back of a number of the old sets.

The mine has been kept in condition for resumption of operations on short notice.

GWINN MINE

AVERAGE MINE ANALYSIS ON OUTPUT FOR YEAR 1923.

GRADE	IRON	PHOS.	SILICA	MANG.
Gwinport,	60.06	.167	7.71	.251
Gwin Silica,	51.91	.174	16.57	.315

AVERAGE ANALYSIS ON STRAIGHT CARGOES FOR YEAR 1923.

GRADE	IRON	PHOS.	SILICA	MANG.
Gwinport,		(All Mixed)		
Gwin Silica,		(All Mixed)		

ORE STATEMENT - DECEMBER 31ST, 1923.

	GWINNPORT	GWINN SILICA	TOTAL	TOTAL LAST YEAR
On hand January 1, 1923,	4,618	4,031	8,649	15,000
Output for Year,	-	27,334	27,334	14,085
Stockpile Overrun,	-	-	-	6,000
Total,	4,618	31,365	35,983	35,085
Shipments,	2,873	25,656	28,529	26,436
Balance on Hand,	1,745	5,709	7,454	8,649
Increase in Output,			7,249	
Decrease in Ore on Hand,			1,195	

1923 -- Mine idle during Year.

1922 -- Mine idle during Year.

GWINN MINE  
SHIPMENTS FOR YEAR-1923.

GRADE	POCKET	STOCKPILE	TOTAL	TOTAL LAST YEAR
Gwinport,	-	2,873	2,873	16,403
Gwin Silica,	-	25,656	25,656	10,033
Total,	-	28,529	28,529	26,436
Total Last Year,	-	26,436	26,436	
Increase,			2,093	

GWINN MINE

COMPARATIVE WAGES AND PRODUCT

	1 9 2 3	1 9 2 2	INCREASE	DECREASE
PRODUCT	27,334	20,085	7,249	
No.Shifts & Hours				
AVG.NO.MEN WORKING				
Surface	4	5		1
Underground	7	8		1
Total	11	13		2
AVG.WAGES PER DAY				
Surface	4.59	4.04	.55-13.61%	
Underground	4.93	4.44	.49-11.03%	
Total	4.81	4.27	.54-12.64%	
WAGES PER NO.OF 25 DAYS				
Surface	114.75	101.00	13.75	
Underground	123.25	111.00	12.25	
Total	120.25	106.75	13.50	
PRODUCT PER MAN PER DAY				
Surface				
Underground				
Total				
LABOR COST PER TON				
Surface				
Underground				
Total				
AVG.#PRODUCT BRK'G & TRM'G " WAGES CONTRACT MINERS				
TOTAL NO.OF DAYS				
Surface	1,263-3/4	1,413 <sup>1</sup> / <sub>4</sub>		149-3/4
Underground	2,314	2,005 <sup>3</sup> / <sub>4</sub>	308 <sup>3</sup> / <sub>4</sub>	
Total	3,577-3/4	3,419	158-3/4	
AMOUNT FOR LABOR				
Surface	5797.75	5717.22	80.53	
Underground	11413.25	8897.25	2516.00	
Total	17211.00	14614.47	2596.53	

Proportion Surface to Underground Men:

1923 - 1 to 1.75  
 1922 - 1 to 1.6  
 1921 - 1 to 2.61  
 1920 - 1 to 2.6  
 1919 - 1 to 2.64  
 1918 - 1 to 3.57

1922 - Not operating. Product is stockpile  
 overrun with exception of 21 tons.  
 1923 - Not operating. Product is stockpile  
 overrun.