

GWINN MINE.

SURFACE:

The ventilating fan for Gwinn and Francis Mines was installed in 1921 at the collar of the Gwinn shaft. It was not possible to hoist any ore or rock as the skips could not be used due to the location of the fan in one of the skip roads. The fan was moved in January, 1922 to the Francis Mine and installed underground. The skip roads were then re-opened at the Gwinn Mine, since which time ore and rock, encountered in re-timbering work, has been hoisted. In April, the entire timber yard at the mine was cleaned up. All the lagging was piled, and all bark and chips raked into piles and burned. The mine timber was cut during the summer, part of it being used at the Gwinn Mine and the balance taken to the Francis. All the old timber in stock had been used by the end of the year and a few cars of timber have been ordered.

The mine office building was painted in the summer. This building had had no paint for a number of years and needed it badly.

The sale of some Gwinn Silica ore made it necessary to install railroad tracks to the pile so that it could be loaded out. This ore was stocked from the side of the rock pile in the low ground near the old channel of the East branch. Some work was done in assisting the railroad to install the tracks to this stockpile. The greater part of the Silica ore was shipped during the summer and also all of the East stockpile of Gwinport and one cargo from the West stockpile.

It is estimated that there are 6,000 tons over-run in the East stockpile.

Practically all warehouse supplies, as also pipe, square timber and plank were moved to the operating mines during the past year.

UNDERGROUND:

The timber on the 5th, 6th, 9th and 10th and 11th Levels have been kept in repair during the past year. There were four timbermen, besides the mine captain, employed underground, doing this work. There is also two pumpmen, making a total of seven men underground. These men, together with the hoisting engineer and surface foreman, constitute the force employed at this property. Attention has also been given to the timber on the sub-levels that were operating at the time the mine closed down, as well as the raises. All working places are in good condition, so that work can be resumed here on short notice.

GWINN MINE

AVERAGE MINE ANALYSIS ON OUTPUT FOR YEAR 1922.

GRADE	IRON	PHOS.	SILICA	MANG.
Gwinnpport,	58.30	.070	4.50	.275
Gwinn Silica,	46.13	.438	21.55	.206

AVERAGE ANALYSIS ON STRAIGHT CARGOES FOR YEAR 1922.

GRADE	IRON	PHOS.	Mine SILICA	MANG.
Gwinnpport,			(All Mixed)	
Gwinn Silica,			(All Mixed)	

ORE STATEMENT - DECEMBER 31ST, 1922.

	GWINNPORT	GWINN SILICA	TOTAL	TOTAL LAST YEAR
On hand January 1, 1922,	15,000	-	15,000	16,014
Output for Year,	21	14,064	14,085	42,999
Stockpile Overrun,	6,000	-	6,000	20,502
Total,	21,021	14,064	35,085	79,515
Shipments,	16,403	10,033	26,436	64,515
Balance on Hand,	4,618	4,031	8,649	15,000
Decrease in Output,			43,416	
Decrease in Ore on Hand,			6,351	

1922 -- Mine Idle during Year.

1921 -- 1-8 Hour Shift, 6 days per week, Jan. 1st to March 26th, 1921.  
 1-8 Hour Shift, 5 days per week, Mar. 26th to June 1st, 1921.  
 Mine closed May 31st, 1921.

GWINN MINE  
SHIPMENTS FOR YEAR 1922.

	GRADE	POCKET	STOCKPILE	TOTAL	TOTAL LAST YEAR
Gwinport,		-	16,403	16,403	64,515
Gwin Silica,		-	10,033	10,033	-
Total,		-	26,436	26,436	64,515
Total Last Year,		-	64,515	64,515	
Decrease,		-	38,079	38,079	

GWINN MINE

COMPARATIVE MINING COST FOR YEAR

	1 9 2 2	1 9 2 1	INCREASE	DECREASE
<b>PRODUCT</b>	20,085	63,501		
Underground Costs		1.296		
Surface Costs		.287		
General Mine Accounts		.142		
Cost of Production		1.725		
Plant Account		.577		
Extraordinary Drifting		.023		
Taxes		.104		
Central Office		.054		
Contingent Expense		.006		
Idle Expense		.514		
Cost Adjustment		.078		
Cost on Stockpile		3.081		
Loading & Shipping		.143		
Total Cost on Cars		3.224		
No. Days Operating		112		
No. Shifts & Hours		1-8hr		
Avg. Daily Product		433		
<b>COST OF PRODUCTION</b>				
Labor		1.128		
Supplies		.597		
Total		1.725		

1921 - 1-8hr 6 days a week to Mar. 26th;  
 1-8hr 5 " " May 31st;  
 Idle from June 1st to December 31st.  
 1922 - Not operated in 1922. 20,085 tons shown is Stockpile Overrun.

GWINN MINE

COMPARATIVE WAGES AND PRODUCT

	1 9 2 2	1 9 2 1	INCREASE	DECREASE
PRODUCT	20,085	63,501		43,416
No.Shifts & Hours		1-8hr		
AVG.NO. MEN WORKING				
Surface	5	15		10
Underground	8	38		30
Total	13	53		40
AVG.WAGES PER DAY				
Surface	4.04	4.74		.70-15%
Underground	4.44	5.53		1.09-19.6
Total	4.27	5.31		1.04-19.5%
WAGES PER MO. OF 25 DAYS				
Surface	101.00	118.50		17.50
Underground	111.00	138.25		27.25
Total	106.75	132.75		26.00
PRODUCT PER MAN PER DAY				
Surface		15.28		
Underground		6.04		
Total		4.33		
LABOR COST PER TON				
Surface		.310		
Underground		1.917		
Total		1.227		
AVG.PRODUCT BRK'G & TRM'G		10.70		
" WAGES CONTRACT MINERS		5.71		
" " "		5.71		
TOTAL NO. OF DAYS				
Surface	1413½	4157		2743½
Underground	2005½	10515-3/4		8510¼
Total	3419	14672-3/4		11253-3/4
AMOUNT FOR LABOR				
Surface	5717.22	19696.52		13979.30
Underground	8897.25	58202.88		49305.63
Total	14614.47	77899.40		63284.93

Proportion Surface to Underground Men:

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

1921  
 1-8hr 6 days a week to Mar.26th;  
 1-8hr 5 " " May 31st;  
 Idle from June 1st to Dec.31st.

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