

ANNUAL REPORT

OF THE

LAKE MINE

(1922)

Shipments.

The Lake Mine remained closed throughout the year.

28,582 tons of ore were shipped from the stock-piles at the mine during the year, but no shipments were made from the pile at Presqu' Isle.

Table I.Stock-Pile Shipments.

Grade	Tons
Lake	832
Lakedale	<u>27,750</u>
Total	28,582

Table II.Stock-Pile Balances, Dec. 31st, 1922.

Grade	At Mine Tons	At Presqu' Isle Tons	Total Tons
Lake	11,522		11,522
Lakedale	<u>157,905</u>	<u>22,963</u>	<u>180,868</u>
Total	169,427	22,963	192,390

Damascus
Bond

Table III.

Estimate of Ore Reserves.

Level	Gross Ore Tons	Deductions for Rock & Timber Tons	Net Ore Tons
Second Level	15,000	33%	10,000
1142 Foot Sub-Level	10,000	60%	4,000
Third Level	<u>10,000</u>	60%	<u>4,000</u>
Total	35,000		18,000

A factor of 15 cu. ft. per ton was used. The estimate is the same as in 1921. This ore cannot be mined at a profit.

Pumping.

Up to February 16th pumping was done on Oliver Iron Mining Co. account. On that date the new pumps at the Angeline were reported to be ready, and the Oliver Iron Mining Co. ceased pumping at the Lake Mine. The boilers were immediately started up, and the pumps were removed and stored on surface at the mine. The water rose rapidly to the third level, where it stayed for a time and then rose another thirty-five feet, at which elevation it is flowing into the Angeline Mine.

In July the 8" water-column above the third level was taken out and sent to the Maas Mine. The 6" water-column was also removed, and is stored on surface.

Surface.

The old rail in the coal-tunnel and timber-yard was taken up in August and September and sent to the Cliffs Shaft Mine. 1000 feet of 12" tile pipe was also dug up in May and June and sent to North Lake.

The coal-dock was torn down in September and October, as it was in a dangerous condition, and such of it as was sound enough was sold to the Holmes Mine.

LAKE MINE

AVERAGE MINE ANALYSIS ON OUTPUT FOR YEAR 1922.

GRADE	IRON	PHOS.	SILICA
Lake,	(No Production)		
Lakedale,	(No Production)		

AVERAGE ANALYSIS ON STRAIGHT CARGOES FOR YEAR 1922.

GRADE	Mine IRON	PHOS.	Lake Erie IRON	MOIST.
Lake,	(No Shipments)			
Lakedale,	59.58	.221	58.90	13.17

ORE STATEMENT - DECEMBER 31ST, 1922.

	LAKE ORE AT MINE	LAKEDALE AT MINE	LAKE ORE STOCKED AT PRESQUE ISLE	TOTAL	TOTAL LAST YEAR
On hand January 1, 1922,	12,354	185,655	22,963	220,972	199,564
Output for Year,	-	-	-	-	34,497
Total,	12,354	185,655	22,963	220,972	234,061
Shipments,	832	27,750	-	28,582	13,089
Balance on Hand,	11,522	157,905	22,963	192,390	220,972
Decrease in Output,				34,497	
Decrease in Ore on Hand,				28,582	

1922 -- Mine closed.

1921 -- 1-8 Hour Shift Jan. 1st to June 1st, 1921.
Mine closed May 31st, 1921.

LAKE MINE

SHIPMENTS FOR YEAR-1922

GRADE	POCKET	STOCKPILE	PRESQUE ISLE STOCKPILE	TOTAL	TOTAL LAST YEAR
Lake,	0	832	0	832	13,089
Lakedale,	0	27,750	0	27,750	0
Total,	0	28,582	0	28,582	13,089
Total Last Year,	0	6,553	6,536	13,089	
Increase,				15,493	

LAKE MINE
COMPARATIVE WAGES AND PRODUCT

	1 9 2 2	1 9 2 1
Product	-	34,497
No.Shifts & Hours		1-8hr
AVG.NO, MEN WORKING		
Surface	1	14
Underground		33
Total	1	47
AVG.WAGES PER DAY		
Surface	7.23	5.12
Underground		5.66
Total	7.23	5.50
WAGES PER MO. OF 25 DAYS		
Surface	180.75	128.00
Underground		141.50
Total	180.75	137.50
PRODUCT PER MAN PER DAY		
Surface		8.54
Underground		3.47
Total		2.47
LABOR COST PER TON		
Surface		.599
Underground		1.630
Total		2.229
AVG.PRODUCT BRK'G & TRM'G		6.86
" WAGES CONTRACT MINERS		5.69
" " "		5.69
TOTAL NO. OF DAYS		
Surface	334	4,037-3/4
Underground		9,935-1/2
Total	334	13,973-1/4
AMOUNT FOR LABOR		
Surface	2415.39	20660.02
Underground		56223.20
Total	2415.39	76883.22

1-8hr 6 days a week to May 31,1921/ Abandoned June 1,1921.
Only Captain employed during 1922.