

GWINN MINE

AVERAGE MINE ANALYSIS ON OUTPUT FOR YEAR 1918.

GRADE	IRON	PHOS.	SILICA	MANG.
Gwinn Bessemer,	59.63	.060	7.84	.344
Gwinn,	58.41	.079	9.68	.344
Gwinnpport,	57.42	.265	9.10	.327

Above grades went into mixed cargoes.

ORE STATEMENT - DECEMBER 31ST, 1918.

	GWINN BESSEMER	GWINN	GWINNPORT	TOTAL	TOTAL LAST YEAR
On hand Jan. 1st, 1918,	17,095	0	55,083	72,178	98,285
Output for Year,	22,261		129,661	151,922	161,963
Transferred,	21,781	21,781			
Stockpile Overrun,	3,612			3,612	
Total,	21,187	21,781	184,744	227,712	260,248
Shipments,	20,113	21,781	140,647	182,541	188,070
Balance on hand,	1,074	0	44,097	45,171	72,178
Decrease in ourput - 4%				6,429	
Decrease in ore on hand,				27,007	

1918 - 2-8 Hr. Shifts Jan. 1st to March 4th
 1-8 Hr. Shift March 4th to Dec. 31st

1917 - 2-8 Hr. Shifts Jan. 1st to July 16th
 1-8 Hr. Shift July 16th to December 10th
 2-8 Hr. Shifts Dec. 10th to Dec. 31st

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SHIPMENTS FOR YEAR -- 1918.

GRADE	POCKET	STOCKPILE	TOTAL	TOTAL LAST YEAR
Gwinn Bessemer,	5,453	14,660	20,113	52,615
Gwinn,	4,022	17,759	21,781	31,565
Gwinport,	65,804	74,843	140,647	103,890
Total,	75,279	107,262	182,541	188,070
Total last Year,	76,004	112,066	188,070	
Decrease - 3%			5,529	

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COMPARATIVE MINING COST FOR YEAR.

	1 9 1 8.	1 9 1 7.	INCREASE.	DECREASE.
PRODUCT	155,534	161,963		6,429
General Expense	.199	.161	.038	
Maintenance	.119	.133		.014
Mining Expense	2.041	1.547	.494	
Cost of Production	2.359	1.841	.518	
<u>DEPRECIATION.</u>				
Plant Account	.570	.300	.270	
Equipment		.001		.001
Original Purchase	.003	.003		
Uncompleted Construction	0	0		
Total Depreciation	.573	.304	.269	
Taxes	.056	.044	.012	
Central Office	.093	.069	.024	
Supply Inventory	.028	0	.028	
Miscellaneous	.003	0	.003	
Sundry Expense	.022	.018	.004	
Cost on Stockpile	3.134	2.276	.858	
Loading & Shipping	.177	.145	.032	
Total Cost on Cars	3.311	2.421	.890	
No. Days Operating	298	300		2
No. Shifts & Hours	1-8hr 247	123	124	126
	2-8hr 51	177		
Avg. Daily Product	522	540		18
<u>Cost of Production.</u>				
Labor	1.588	1.160	.428	
Supplies	.771	.681	.090	
Total	2.359	1.841	.518	

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COMPARATIVE WAGES AND PRODUCT.

	1 9 1 8.	1 9 1 7.	INCREASE.	DECREASE.
PRODUCT	155,534	161,963		6,429
No.Shifts and Hours	1-8hr-247 2-8hr 51	1-8hr-123 2-8hr-177		
AVERAGE NUMBER MEN WORKING				
Surface	35	33	2	
Underground	125	120	5	
Total	160	153	7	
AVERAGE WAGES PER DAY				
Surface	4.33	3.38	.95-28%	
Underground	5.16	4.03	1.13-28%	
Total	4.98	3.89	1.09-28%	
WAGES PER MONTH OF 25 DAYS				
Surface	108.25	84.50	13.75	
Underground	129.00	100.75	28.25	
Total	124.50	97.25	27.25	
PRODUCT PER MAN PER DAY				
Surface	14.61	16.33		1.71
Underground	4.16	4.44		.28
Total	3.24	3.49		.25
LABOR COST PER TON				
Surface	.296	.207	.089	
Underground	1.242	.909	.333	
Total	1.538	1.116	.422	
AVG. PRODUCT BRK'G & TRM'G	7.03	8.49		1.46
" WAGES CONTRACT MINERS	5.40	4.23	1.17	
" " " TRAMMERS	0	0		
" " " LABOR	5.40	4.23	1.17-27%	
TOTAL NUMBER OF DAYS				
Surface	10,642 $\frac{1}{2}$	9,917 $\frac{3}{4}$	734 $\frac{3}{4}$	
Underground	37,419	36,510 $\frac{1}{2}$	908 $\frac{1}{2}$	
Total	48,061 $\frac{1}{2}$	46,428 $\frac{1}{2}$	1,643 $\frac{1}{2}$	
AMOUNT FOR LABOR				
Surface	46,087.60	33,489.67	12,597.93	
Underground	193,153.05	147,238.99	45,914.06	
Total	239,240.65	180,728.66	58,511.99	

Proportion Surface to Underground Men:

1918 - 1 to 3.57
 1917 - 1 to 3.63
 1916 - 1 to 3.50
 1915 - 1 to 3.22
 1914 - 1 to 2.16

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TIMBER STATEMENT FOR YEAR ENDING DECEMBER 31, 1918.

KIND.	LINEAL FEET.	AVG. PRICE	AMOUNT	AMOUNT
		PER FOOT.	1 9 1 8.	1 9 1 7.
6" Timber Cribbing	16,071	.02468	396.71	2046.90
6"to 8" Stull	96,538	.03216	3104.93	130.68
8"to 10"	58,050	.05415	3143.83	2459.32
10"to 12"	24,231	.07227	1751.28	1177.12
12"to 14"	5,072	.10250	519.92	901.00
Total Timber 1918	199,962	.04459	8916.72	
" 1917	198,085	.0338		6715.02
	LINEAL FEET.	PER 100'.		
5' Lagging	50,532	2.903	1467.25	1921.75
8' "	572,292	.63	3616.47	2509.71
Total Lagging (1)	622,824	.8162	5083.72	4431.46
Poles	31,396	.9786	307.27	629.15
Total 1918	654,120	.8241	5390.99	
Total 1917	929,064	.545		5060.61
Product			155,534	161,963
Feet timber per ton of ore			1.285	1.223
Feet lagging " (1)			4.005	5.328
Feet lagging per foot of Timber			3.13	4.34
Cost per ton for Timber			.057	.042
" Lagging			.033	.027
" Poles			.002	.004
" Timber, Lagging & Poles			.092	.073
Equivalent of still timber to Bd.measure			421,408	324,272
Ft.Bd.Measure per ton of ore			2.71	2.00
Total cost for Timber, Lagging & Poles 1918				14307.71
" 1917				11775.63
" 1916				6297.88
" 1915				6946.16
" 1914				4629.28

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STATEMENT OF EXPLOSIVES USED FOR BREAKING ORE.

KIND.	QUANTITY.	AVERAGE PRICES.	AMOUNT 1 9 1 8.	AMOUNT 1 9 1 7.
40% Powder, Red Cross				35.30
" Gelatine	20,415	.2488	5080.02	
50% " Red Cross	16,900	.2015	3405.35	6473.97
" " "				616.24
60% " Gelatine	32,025	.2816	9019.11	16345.28
80% " "				15.08
Total Powder	69,340	.25244	17504.48	23485.87
Tamping Bags	5,600	2.5678	14.38	
Fuse	205,500	7.855	1614.34	1723.64
Caps	42,675	13.238	564.96	676.41
Cap Crimpers	14	.5407	7.57	9.22
Total Fuse, Etc.			2201.25	2409.27
Total Explosives			19705.73	25895.14
Product			155,534	161,963
Pounds Powder per ton Ore			.446	.647
Cost per ton for Powder			.112	.145
" " Fuse, Etc.			.013	.015
" " All Explosives			.125	.160
Avg. Price per Lb. for Powder			.252	.224