

THE CLEVELAND-CLIFFS IRON COMPANY
MINE DEPARTMENT
 COMPARATIVE STATEMENT OF PRODUCTION AND WAGES FOR YEARS 1917 AND 1916, INCLUDING OVERRUNS AS
 REPORTED BY SHIPPING DEPARTMENT BUT NOT OPEN PIT PRODUCT AT MORRIS-LLOYD MINE.

	LAKE	NEGAUNEE	STEPH- ENSON	SALIS- BURY	MAAS	MORRIS LLOYD	CLIFFS SHAFT	REPUBLIC	GWINN	MEADOW	CROSBY	HOLMES	SPIES
TOTAL PRODUCT													
Year 1917	477,964	543,757	253,266	98,999	320,356	267,787	367,595	153,425	161,963	103,987	290,795	68,773	74,530
Year 1916	410,922	537,086	303,562	88,875	264,248	281,833	395,320	173,096	144,066	62,279	222,277	-	-
Average per Month 1917	39,835	45,315	21,150	8,250	26,750	22,510	30,630	12,785	13,495	8,666	24,230	7,238	9,316
Average per Month 1916	34,240	44,760	25,300	7,406	22,020	23,485	32,940	14,420	12,050	5,662	27,785	-	-
AVERAGE DAILY PRODUCT:													
Year 1917	1,584	1,794	898	328	1,057	887	1,217	506	540	337	935	291	364
Year 1916	1,339	1,796	1,019	294	884	942	1,317	573	479	239	1,063	-	-
TONS PER MAN PER DAY:													
Surface:-													
Year 1917	20.90	30.79	15.96	9.50	19.73	18.47	15.09	7.38	16.33	15.95	24.03	9.02	16.65
Year 1916	18.18	32.26	17.04	8.28	19.56	15.83	18.84	8.45	12.13	13.13	30.10	-	-
Underground:-													
Year 1917	6.29	5.94	5.73	3.67	4.67	4.29	4.65	2.93	4.44	5.76	10.50	3.93	5.41
Year 1916	6.57	5.91	5.67	3.39	4.84	4.05	4.93	2.82	3.40	4.51	11.54	-	-
Total:-													
Year 1917	4.83	4.98	4.22	2.65	3.78	3.48	3.55	2.10	3.49	4.23	7.31	2.74	4.09
Year 1916	4.82	4.99	4.25	2.40	3.88	3.23	3.91	2.11	2.66	3.35	8.34	-	-
Stopping:-													
Year 1917	10.20	10.84	12.60	6.23	8.99	9.48	11.80	8.69	8.67	10.20	17.65	7.50	10.53
Year 1916	10.91	11.29	11.57	6.56	8.95	10.61	13.30	7.74	8.40	7.66	19.34	-	-
RATE PER DAY - SURFACE													
Year 1917	3.25	3.26	3.31	3.39	3.28	3.44	3.31	3.56	3.38	3.60	4.00	3.38	3.36
Year 1916	2.68	2.67	2.75	2.80	2.67	2.82	2.74	2.86	2.74	2.94	3.14	2.79	2.69
RATE PER DAY - UNDERGROUND													
Year 1917	4.15	3.88	3.95	3.86	3.91	3.90	3.81	3.82	4.03	4.19	4.06	4.57	3.87
Year 1916	3.31	3.12	3.21	3.10	3.18	3.16	3.05	3.12	3.16	3.19	3.19	4.53	3.48
RATE PER DAY - TOTAL													
Year 1917	3.94	3.78	3.78	3.73	3.79	3.81	3.70	3.75	3.89	4.03	4.04	3.81	3.74
Year 1916	3.14	3.05	3.10	3.01	3.08	3.09	2.99	3.05	3.09	3.12	3.18	3.53	3.04
MEMORANDUM													
Stockpile Overrun 1917	0	12,000	15,843	392	0	2,495	0	0	0	3,183	1,906	2,244	0
Stockpile Overrun 1916	33,886	25,541	2,918	0	0	5,209	19,820	4,598	0	1,360	0	-	-

Holmes Mine - Started on operating basis March 14th, 1917.
 Spies Mine - Started on operating basis May 1st, 1917 - Total Product includes 6728 tons produced in development.
 Stephenson Mine - Discontinued operating December 5th, 1917 on account of mine being flooded.
 Gwinn Mine - Changed from double shift to single shift July 16th, 1917.
 Changed back to double shift December 10th, 1917. 2-8 hr. 177 days - 1-8 hr. 123 days.
 Lake Mine - Changed from single shift to double shift October 1st, 1916.
 Crosby Mine - Resumed operating May 1st, 1916. Total Product, Average monthly product, average daily product and tons per man based on crude ore.

WAGES: - Rates and percentages based on labor at above mines only including Mining Captain.

Average total rate per day 12 Mos. 1917 - 3.81

Average total rate per day 12 Mos. 1916 - 3.08

Increase 12 Mos. 1917 over 12 Mos. 1916 - 23.7%

EEN/MLK
 3/5/18-3