

## C.C.I. - Plot 1

Basal Area of  
Trees Present before Cutting  
(Original Stand)  
Square Feet

August, 1933						
<u>D.B.H.</u>	<u>Scotch Pine</u>	<u>White Pine</u>	<u>Norway Pine</u>	<u>Norway Spruce</u>	<u>Balsam</u>	<u>Totals</u>
1		0.014		.239		0.253
2	0.034	0.354		7.142	0.018	7.548
3	0.130	3.027		17.563		20.720
4	1.394	7.330	0.254	23.331		32.309
5	2.617	15.216	0.842	18.050		36.725
6	4.631	16.754	3.314	13.563		38.262
7	6.021	12.029	4.138	7.295		29.483
8	10.406	6.257	3.773	1.722		22.158
9	13.046	0.845	0.816	1.239		15.946
10	10.413	0.556				10.969
11	4.767					4.767
12	1.507					1.507
<u>Totals</u>	<u>54.966</u>	<u>62.382</u>	<u>13.137</u>	<u>90.144</u>	<u>0.018</u>	<u>220.647</u>

C.C.I. - Plot 1

Basal Area of  
Trees Left After Cutting  
(Present Stand)  
Square Feet

August, 1933						
D.B.H.	Scotch Pine	White Pine	Norway Pine	Norway Spruce	Balsam	Totals
1		0.014		0.239		0.258
2	6.034	0.354		7.142	0.018	7.548
3		3.027		17.563		20.590
4	1.037	7.330		23.331		31.698
5	2.092	15.216	0.683	18.050		36.041
6	3.235	16.754	3.124	13.563		36.676
7	5.193	12.029	4.138	7.295		28.655
8	8.982	6.257	3.773	1.722		20.734
9	11.777	0.845	0.816	1.239		14.677
10	9.823	0.556				10.379
11	4.767					4.767
12	1.507					1.507
<b>Totals</b>	<b>48.447</b>	<b>62.382</b>	<b>12.534</b>	<b>90.144</b>	<b>0.018</b>	<b>213.525</b>

Report  
of work done in 1934 on the Baldwin Kiln Plan-  
tation of the Cleveland Cliffs Iron Company  
near Negaunee, Michigan

As indicated in the report on the work done in 1933 on this plantation, some additional study was planned for the 1934 season. This report on the 1934 work is supplemental to the first report which covered the 1933 study, and the two reports should be combined to give a picture of the growth and yield data for this plantation to date.

The permanent growth and yield plot, No. 1, 1 chain wide and 18.75 chains long (1.875 acres) was found to be occupied by the various tree species as follows:

Norway Spruce	-	9.424 sq. chains	-	.9424 acres
White Pine	-	6.012 " "	-	.6012 "
Scotch Pine	-	2.220 " "	-	.2220 "
Norway Pine	-	0.380 " "	-	.0380 "
Douglas Fir	-	0.246 " "	-	.0246 "
White Pine and Norway Spruce mixed	-	0.468 " "	-	.0468 "
		<u>18.750 " "</u>		<u>1.8750 "</u>

\* The attached chart shows the location of the various species within the plot.

All the Douglas Fir within the plot area of .0246 acres were so badly broken and deformed that no measurements were taken of these trees. Applying the area figures for the other species to the volumes of the several species on the plot as computed in 1933, the following volumes per acre (at 34 years from seed) are secured:

Norway pine	-	6,136.31 cubic feet
Scotch Pine	-	3,337.56 " "
Norway pine	-	1,026.69 " "
White pine	-	674.65 " "

These cubic foot volume yields per acre reflect fairly well the relative success of the four tree species involved. As described briefly in the 1933 report, the white pine after making splendid early development has suffered severely from the white pine weevil and breakage, and the tree must be practically counted out of this plantation.

---

\* See attached supplemental statement.

The Scotch pine shows a quite satisfactory growth and yield of cubic feet, but because of the twisted, crooked, limby form of the tree, offers little in the way of saw log development. The wood of this tree is not well suited to pulpwood, fuel wood, or other than pole and saw log use.

The Norway spruce has made relatively slow average growth but on account of the large number of trees per acre, the uniformly good form, and increasingly rapid growth of the dominant trees gives promise of making at least an excellent pulp wood stand. In computing the above figures for white pine and Norway spruce, half of the area of the strip on which the two species are mixed was allotted to each one.

The yield per acre of Norway pine is extremely high, as 6,136 cubic feet is equivalent to at least 61 cords of unpeeled wood per acre. Only 48 Norway pine trees are involved on the plot, and, since this is the outstanding tree of the plantation, a careful study was made of all the Norway pine present, which totals 658 trees. The diameter breast high of all trees was measured and recorded. The land area occupied by the Norway pine was determined. A uniform stump height of 8 inches was assumed. It was found that the d.b.h. at which the first 8 foot section of the trunk (standard 8' stick for pulpwood) reached a top diameter of 4 inches outside bark, was 4.4". Careful taper measurements were then made on 49 trees distributed proportionately by diameters, ranging from 4.4" to 10.1" d.b.h. These measurements were plotted and curves drawn from which a taper and volume table was prepared. This table shows for the average tree of each d.b.h. by tenth of an inch classes, the corresponding stump diameter at 8" from the ground, the top diameter and volume of each 8' section of the tree having a top diameter of 4" and better, together with the total volume of such 8' sticks.

Assuming the stick 8' long and 4" top diameter outside bark as the minimum for merchantability, the 658 trees were found to comprise:

42	-	trees less than 4.4"	d.b.h.	-	no merchantable sticks
38	-	" 4.4 to 5.0"(inc.)	"	-	1 " "
136	-	" 5.1 to 6.2"(inc.)	"	-	2 " "
<u>442</u>	-	" 6.3 to 10.9"(inc.)	"	-	3 " "
658		" Total.			

There are a total of 1,636 merchantable 8' sticks with a total volume of 3,116.104 cubic feet. The area occupied by the Norway pine is 0.5447 acre, so the volume per acre is 5,721 cubic feet, including bark. Using a conservative converting factor of 100 solid cubic feet per cord (128 stacked cubic feet), indicates a volume of 57.21 cords per acre in material 4" and better in diameter. Since the Norway pine (measured August 25, 1934) is 35 years old from seeding, this is a growth rate of 1.635 cords per acre per year, or 1.733 cords per acre per year from planting. These figures, however, cannot be taken as indicative of average plantation production on similar sites, since the trees are in narrow strips with slower growing species adjacent and also more fall spots are normally found over larger areas of solid stands. It would seem, however, that a growth rate of 1 to 1.5 cords per acre per year might be expected under similar soil and climatic conditions, for similar periods.

The 1934 measurement of the 658 Norway pine trees, which includes a re-measurement of the trees on Plot No. 1, gives an average d.b.h. of 7.0", minimum of 2.6" and maximum of 10.9".

Identical d.b.h. measurements with diameter tape were taken on 45 Norway pine trees in the latter part of August, 1933 and August, 1934.

5 trees	grew less than one-tenth inch
21 trees	grew one-tenth inch
19 trees	grew two-tenth's inch
45 trees	averaged 0.13 inch d.b.h. growth.

This is considerably less than the average annual d.b.h. growth for the life of the plantation and only about half what it should be at this period under saw log management. The total cubic foot wood production probably could not have been increased and more likely would have decreased through earlier thinning, but it is clear that for saw logs, thinning should have taken place several years ago. This is strongly borne out by checking the average spacing and number of trees per acre for the 658 trees. This is 1,206 trees per acre or approximately 6' x 6' spacing. The so-called "normal" or ideal stand should have about 900 trees of this age and size per acre. Arrangements should be made, if at all possible, to mark this stand for thinning and cut the marked trees before the 1935 growing season. This will be made the subject of a separate memorandum.

In addition to the Norway pines numbered and measured last year on Plot No. 1, 52 more were both numbered and measured this year for permanent growth record. These trees are immediately adjacent to both sides of the Norway pine in Plot No. 1.

Beginning at the north end of the plantation, about one-fourth of all the Norway pines were pruned of dead branches to a height of 16 to 18 feet, using a long-handled pruning saw.

Reference was made in the 1933 report to the presence of a few Douglas fir in the plantation. More detailed examination this season showed that quite a number of these trees had been planted. In some cases, particularly where adjacent to Scotch pine, they have been overtopped early in life and either killed out or badly stunted and deformed. In other situations their development has been quite normal. Forty-seven Douglas fir were found which were normal or reasonably so. These were all numbered and measured and the following data derived:

Maximum height	35.0 feet
Minimum height	14.0 "
Average height	23.0 "
Maximum d.b.h.	7.3 inches
Minimum d.b.h.	2.1 "
Average d.b.h.	4.1 "

The 1934 data was secured and computed by Professor L. J. Young.

(Signed) W. F. Ramsdell

George Willis Pack Professor  
of Forest Land Management

Statement

To Accompany 1934 Report on Baldwin Kiln Plantation.

A chart has been prepared for the Ann Arbor files, showing the location of the various species within the permanent growth and yield Plot No. 1. However, there are 66 separate species strips and it does not seem worth while to reproduce the chart to accompany this report. While the trees were planted with but one species in the rows, the species strips vary from one to six rows each, with an average of only three rows to a strip. The plantation demonstrates very graphically the bad results secured from planting a mixture of species in this manner, without regard to relative growth rates. There are twelve strips of Scotch pine all overtopping and extending long limbs into the adjacent Norway spruce. The twenty nine strips of Norway spruce

have quite uniformly suffered from the more rapid growing white and Norway pine, as well as from the Scotch pine. The white pine is now dropping out because of weevil damage, but ordinarily may be mixed safely with Norway pine where soil and moisture are favorable. There are twenty one strips of white pine, two strips of Norway pine, one of Douglas fir, and one with the white pine and Norway spruce badly mixed.

Summary

of the 1933 and 1934 reports on Baldwin Kiln

Plantation of the Cleveland Cliffs Iron Company.

Location -  $3\frac{1}{2}$  miles northeast of Negaunee, Michigan.  
 Area - Approximately 35 acres.  
 Planted - Spring, 1903.  
 Species - 5,000 Scotch pine, 3 years old  
           1,000 " " 6 " "  
           1,000 Norway " 3 " "  
           12,000 White " 3 " "  
           20,000 Norway spruce, 3 years old  
           ? Douglas fir, ? " "  
           39,000-plus trees.  
 Survival - Excellent average - Spruce and Scotch pine 90%, Norway pine 80%, and White pine 65% - (Brotherton's figures).

Growth and Yield, Plot No. 1, Established August, 1933.

Area of plot - 1.875 acres

Norway spruce -	1,203 trees.	1,027 cu.ft. stem vol./	acre.
White pine -	408 "	675 " " "	" "
Scotch pine -	138 "	3,337 " " "	" "
Norway pine -	48 "	6,136 " " "	" "
Balsam -	1 "		
Total -	1,798 trees.		

All trees measured and numbered for permanent growth and yield record.

Norway Pine Study, 1934

All trees on plantation,	658	
Area occupied,	0.5447	acres
Merchantable (4" top) pulp wood,		
volume per acre,	5,721	cubic feet
Merchantable (4" top) pulp wood,		
volume per acre,	57.21	cords
Average growth per acre per year		
from planting,	1.733	cords
Maximum diameter breast height,	10.9	inches
Minimum diameter breast height,	2.6	inches
Average diameter breast height,	7.0	inches
Approximate average height,	36.0	feet

LAKE FRONTAGE:

No additional lake frontage was staked out this year as there was little inquiry for same.

UNITED STATES FOREST EXPERIMENTAL STATION LOGGING:

A contract was let to Contractor Marjaniemi to log 55 acres on the N $\frac{1}{2}$  of Section 35-46-23, the cutting to be done under the direction of the Forester in Charge of the Station. About 43 acres is a mixed hardwood-conifer forest and the balance is swamp. Map is attached showing the area to be cut outlined in red. The method of cutting proposed is in the nature of an improvement cutting, only the most over-matured trees will be cut and practically all the merchantable spruce and balsam pulpwood, the cedar of which a considerable amount is dead, will be made into 7-ft. lagging, all of the sound green cedar will be made into ties. This job will not be completed until March, 1935, so we are unable to include any figures of the yield in this report.

Report of Deliveries of Hardwood Logs, Tie Cuts, Pulpwood, Cedar Ties & Cedar Lagging-Government Experiment Station at Dukes, Michigan, on 38.56 Acres on the N $\frac{1}{2}$  of N $\frac{1}{2}$ , Section 35-46-23. Material cut Winter of 1933-1934, & shipped January, February, March & April, 1934.

Deliveries to Munising Woodenware Co.

	Feet	Price	Amount
Maple Woodenware Logs	132	\$17.00	\$ 2.24
" Bowl Logs	358	21.00	7.52
Birch Woodenware Logs	775	17.00	13.18
" Bowl Logs	1,421	21.00	29.84
" Veneer Logs	2,178	30.00	65.34
Total Logs	4,864	24.29	118.12
Less Operating Cost F.O.B.Cars	4,864	6.85	33.33
Total Profit on Logs	4,864	17.44	84.79
<u>Deliveries of Hardwood Ties</u>			
Maple & Birch Hardwood Ties (127 pcs.)	4,010	22.26	89.26
Less Operating Cost F.O.B. Cars	4,010	10.85	43.51
Total Profit on Hardwood Ties	4,010	11.41	45.75
<u>GRAND TOTAL PROFIT LOGS &amp; TIES</u>	8,874	14.71	130.54
<u>Deliveries of Cedar Ties</u>			
	Pcs.		
Deliveries of Cedar Ties	81	.596	48.30
Less Operating Cost F.O.B.Cars	81	.437	35.41
Total Profit on Cedar Ties	81	.159	12.89
<u>Deliveries of Pulpwood</u>			
	Cds.		
Spruce Pulp	24.81	7.60	188.56
Balsam Pulp	48.22	5.56	268.24
Total Deliveries	73.03	6.25	456.80
Less Operating Cost F.O.B. Cars	73.03	4.79	349.95
Total Profit on Pulpwood	73.03	1.46	106.85
<u>Deliveries of 7-foot Cedar Lagging</u>			
	Lin.Ft.	Per 100 Lin. Ft.	
Deliveries of 7-foot Cedar Lagging	157,822	.550	865.77
Less Operating Cost F.O.B. Cars	157,822	.521	821.74
Total Profit on Cedar Lagging	157,822	.029	44.03
<u>GRAND TOTAL PROFIT ALL TIMBER</u>			294.31



Number of Acres Cut	38.56
Total Feet - Log Measure (Logs & Ties)	8,874
Feet per Acre	230
Gross Sales Value	\$1,578.25
Gross Operating Cost	1,283.94
Gross Profit	294.31
Gross Sales Value Per Acre	40.93
Operating Cost Per Acre	33.30
Net Returns Per Acre	7.63

NOTE: There was also 169.00 Cords of Cordwood produced.

Description and Cutting of this Operation:

The area cut is in the hardwood-conifer type along the creek that runs through the forest. The area includes a small acreage of swamp. The method of cutting was in the nature of an improvement cutting, only one-half of the yellow birch and maple was removed and these the most over-mature trees. Practically all the merchantable spruce and balsam pulpwood was cut, also all of the cedar which was badly over-mature, and the sound dead cedar was made into lagging.

LOGGING OPERATIONS:

OPERATION NO. 154

The crew from Camp 1 was moved to Camp 6 during the first part of January and was operated with an average crew of one hundred men, twenty teams, two tractors, and two loaders, cutting the forest material from Sections 29, 32, and 33-46-20. Camp 5 was operated with a crew of one hundred to one hundred ten men, twenty to twenty-four teams and two loaders until the end of May when the cutting tributary to this camp was completed and the crew was transferred to Camp 7, 196 Job.

Camp 4 was operated by Contractor Lahti, cutting and loading out the chemical logs from the area from which the saw logs and tie cuts had been removed during the time the Furnace was not operating.

OPERATION NO. 196:

The crew from Camp 5, 154 Job, was moved to Camp 7, 196 Job, on May 22nd and operated with a crew of one hundred to one hundred ten men, twenty-four teams and two loaders, cutting forest material from Sections 30 and 31-47-17 and Sections 25 and 36-47-18.

During July and August an experimental cutting of forty acres was made. The trees to be cut were marked by the United States Foresters and a careful record of all trees cut was made, measurements of the stump, diameter of the small end of the material into which the tree was converted and Scribner Scale of same, together with the scale of

of the chemical yield from each tree. Following is a summary of the yield from the area cut:

	Saw Logs, Tie Cuts and Mining Timber Bd. Ft.	Chemical Logs Bd. Ft.	Total All Products Bd. Ft.
Brotherton Scale Plot 1	171,237	134,586	305,823
Plot 2	214,394	157,819	372,213
Total	385,631	292,405	678,036
Average per Acre	9,640	7,310	16,950
Percent	57	43	100
Government Scale Plot 1	172,990	120,556	293,546
Plot 2	217,990	152,205	370,195
Total	390,980	272,761	663,741
Average per Acre	9,774	6,819	16,593
Percent	58	42	100
Car Scale Plot 1	168,217	140,524	308,741
Plot 2	212,162	156,936	369,098
Total	380,379	297,460	677,839
Average per Acre	9,509	7,436	16,945
Percent	56	44	100
Timber Left Standing Plot 1	23,390	21,325	44,712
Plot 2	44,000	34,080	78,080
Total	67,390	55,405	122,795
Average per Acre	1,685	1,385	3,070
Percent	55	45	100
Total Stand per Acre	11,194	8,821	20,015
Timber Cut Car Scale	380,379 - 85%	297,460 - 84%	677,839 - 85%
Timber Standing	67,390 - 15%	55,404 - 16%	122,795 - 15%
Total on Land	447,769 -100%	352,865 -100%	800,634 -100%

RAB:MD-3.  
3/8/35.

THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

RECORD OF CUTTINGS NO. 154 OPERATION - STARTED SEPTEMBER 1926 - STILL OPERATING

	1930	1931	1932	1933	1934
Acres Cut	1,345	1,560	2,550	1,840	1,375
Acres Cut by Contractor - Chemical Logs Only					720
Tax per Acre			\$ .189	\$ .097	\$ .154
Board Feet Timber Estimated by Cruiser	6,306,000	9,639,000	15,246,000	10,646,240	8,064,000
Cruiser's Estimate Per Acre	4,688	6,178	5,978	5,786	5,865
Board Feet Logs, Tie & Mining Timber Removed	8,890,296	10,351,636	17,283,492	12,600,201	9,193,747
Yield Per Acre Removed	6,610	6,636	6,778	6,848	6,686
Balance Board Feet Remaining			24,084,000	11,483,799	3,092,000
Cordwood - Cruiser's Estimate on Acreage Cut Over - Cds.	20,200	21,400	38,250	27,600	31,425
Estimate Cords Per Acre	15	14	15	15	15
Production - Cords Cut	29,227	10,584	<sup>12,755</sup> 14,397 (1)	<sup>48,702</sup> 27,600	42,212
Cords Per Acre Cut	21	20 (2)	21 (3)	19	20
Balance Cords Chemical Wood Remaining			<sup>64,189</sup> <del>98,540</del>	<sup>15,457</sup> <del>52,000</del>	<sup>26,775</sup> <del>11,600</del>
Gross Returns - Logs, Tie Cuts, Mining Timber, and Chemical Logs	\$252,316.38	\$221,453.98	\$301,596.94	\$280,211.57	\$291,696.04
Less Operating Expenses & Depreciation (6)	128,052.95	137,519.35	143,182.33	193,075.58	224,414.12
Returns	124,263.43	83,934.63	158,414.61	87,135.99 (5)	67,281.92 (5)
Returns Per Acre All Products	\$ 92.38	\$ 53.80	\$ 62.12	\$ 47.35	\$ 48.93
Saw Logs, Tie Cuts, and Mine Timber	43%	87% (4)	84%	46%	35% (7)
Chemical Logs	57%	13%	16%	54%	65% (8)
Average Selling Price Per M Feet Logs & Mine Timber	\$ 26.29	\$ 18.71	\$ 16.79	\$ 16.11	\$ 16.61
Average Selling Price Per M Feet Ties	33.14	30.43	16.27	14.85	20.37
Average Selling Price Per M Feet Chemical Logs	12.27	14.36	5.00	5.58	7.00
Cost Per M Feet Logs and Mine Timber	\$ 12.27	\$ 10.38	\$ 7.05	\$ 7.29	\$ 8.94
Cost Per M Feet Ties (Including Tie Mill)	19.26	15.80	7.66	9.86	12.35
Cost Per M Feet Chemical Logs	12.27	14.36	4.73	5.55	7.47
Number Ties Sold - Pcs.	166,075	56,775	221,223	163,324	97,336
Returns Per Tie - Profit	\$ .302	\$ .28	\$ .23	\$ .206	\$ .311
(1) - This includes 3,695 cords of wood furnished to people of Marquette, Gwinn, and Munising.					
(2) - Chemical Wood cut on only 530 acres.					
(3) - Chemical Wood Cut on only 670 acres.					
(4) - Furnace Operated 5 months.					
(5) - No Stumpage Charge for Chemical Wood in 1933 and 1934					
(6) - Depreciation Charged	\$30,437.20	\$23,112.41	\$15,487.07	\$10,458.05	\$ 6,315.92
(7) - Includes 5% Softwood Logs.					
(8) - Chemical Logs High account cutting 720 acres on which Saw Logs had already been cut.					

THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

RECORD OF CUTTINGS 196 OPERATION - MAY, 1934 - STILL OPERATING

	<u>1934</u>
Acres Cut	770 (2)
Tax Per Acre	\$ .54
Board Feet Log Timber Estimated by Cruiser	4,923,000
Cruiser's Estimate per Acre	6,393
Board Feet <sup>Swamp</sup> Logs, Tie & Mining Timber Removed	5,624,523 ✓
Yield Per Acre Removed	7,304 (2)
Balance Board Feet Remaining	44,897,000
Cordwood - Cruiser's Estimate on Acreage Cut Over - Cds.	12,900 ✓
Estimate Cords Per Acre	17
Production - Cords Cut (Chemical Logs 6,144,173 ft.)	15,360 ✓
Cords per Acre Cut	20
Balance Cords Chemical Wood Remaining	100,565 ✓
Gross Returns - Logs, Tie Cuts, Mining Timber & Chemical Logs	\$145,606.83
Less Operating Expenses & Depreciation (1)	88,420.74
Returns	57,186.09
Returns per Acre All Products	\$ 74.26 ✓
Saw Logs, Tie Cuts and Mine Timber	47.8%
Chemical Logs	52.2%
Average Selling Price Per M Feet Logs and Mine Timber	\$ 19.62
Average Selling Price Per M Feet Ties	20.37
Average Selling Price Per M Feet Chemical Logs	7.00
Cost Per M Feet Logs & Mine Timber	\$ 7.80
Cost per M Feet Ties (Including Tie Mill)	12.35
Cost Per M Feet Chemical Logs	6.53
Number Ties Sold - Pcs.	52,934
Returns per Tie - Profit	\$ .311

15 360  
 47 212  
 59 574

- (1) - Depreciation Charged \$5,184.42
- (2) - 90 Acres Swamp no timber actual cut 680 acres or 8,271 feet per acre.

RAB&WGL:MD-5.  
1/31/35.

LAND DEPARTMENT

OPER. #196 - TAXES 1934

		<u>1934</u> <u>TAXES</u>	<u>TAX</u> <u>PER ACRE</u>
Total Acres	6,944.49	\$ 3,455.90	.50
Stumpage Value on Chemical Wood	115,925 cds. @ .50	\$ 57,962.50	25.6%
" " " Other Timber		<u>168,492.50</u>	74.4%
		226,455.00	

Total Tax all Timber per acre 50¢

25.6% of 50¢ - \$.128 Tax per acre on Chemical Wood  
74.4% of 50¢ - .372 " " " " Other Timber

Chemical Wood average 16.6 Cds. per acre

\$.128 per acre ÷ 16.6 Cds. per acre \$ .0077 per Cd.  
.372 " " ÷ 7,275 ft. per acre \$ .051 per M ft.

Sawlogs average 7,275 ft. per acre

THE CLEVELAND - CLIFFS IRON COMPANY

LAND DEPARTMENT

OPERATION NO. 154 OPERATING, COMPARED WITH ESTIMATES

COMMODITY	UNIT OF SCALE	ACTUAL PRODUCTION	Q U A N T I T Y		OVER & UNDER	UNIT ACTUAL	OPERATING ESTIMATED	COSTS OVER & UNDER
			ACTUAL SHIPMENTS	ESTIMATED SHIPMENTS				
Chemical Logs	Ft.B.M.	16,884,660	16,864,460	18,563,359	1,698,899	7.473	7.344	.129
Saw Logs	do.	5,803,258	6,110,858	7,328,032	1,217,174	8.942	8.717	.225
Tie Cuts	"	3,390,479	3,542,201	4,041,390	499,189	9.211	8.717	.494
Cordwood	Cords	71.25	71.25	-	71.25	2.308	-	-

Camp 154-4 operated during period of January 1st to December 31st, for hauling and loading of cordwood and delivering chemical logs on cars by Armo Lahti under contract dated June 1st, 1933.

Camp 154-5 operated during period of January 1st to May 26th for logging.

Camp 154-6 operated during period of January 1st to December 31st for logging.

Underrun in the shipment of chemical logs due to purchase of 5200 cords of second growth wood to take care of part of Chemical Plant requirements.

Underrun in the saw log shipments due to less Hemlock shipped to the Munising Saw Mill than was estimated and lower shipments to Piqua Handle & Mfg. Co. at Marquette than was estimated.

Underrun in the Tie Cut shipments due to not being able to secure enough tie orders to keep the Tie Mill operating as continuously as was estimated.

The slight overrun in the costs is principally in the item of Operating Locomotive and Depreciation and is due to smaller shipments than was estimated.

Camps were operated 48 hours per week from January 1st, 1934, to October 13, 1934, 40 hours per week from October 14th, 1934, to October 20th, 1934, and 34 hours per week from October 21st, 1934 to December 31st, 1934.

TAA:MD-3.  
1/23/35.

THE CLEVELAND - CLIFFS IRON COMPANY

LAND DEPARTMENT

OPERATION NO. 196 OPERATING, COMPARED WITH ESTIMATES

COMMODITY	UNIT OF SCALE	ACTUAL PRODUCTION	Q U A N T I T Y			UNIT OPERATING COSTS		
			ACTUAL SHIPMENTS	ESTIMATED SHIPMENTS	OVER & UNDER	ACTUAL	ESTIMATED	OVER & UNDER
Chemical Logs	Ft.B.M.	6,144,173	5,615,695	5,289,000	326,695	6.886	7.362	.476
Saw Logs	do.	3,582,003	3,578,881	3,473,420	105,461	7.129	8.532	1.403
Tie Cuts	"	2,042,540	1,962,750	2,238,580	275,830	7.561	8.532	.971
Trestle Legs	Lin.Ft.	3,513	3,513	None	3,513	.048	-	-

Camp 196-7 operated during period of May 22nd to December 31st for logging.

The overrun in the shipments of chemical and saw logs is due to balancing out the requirements in conjunction with shipments from other operations.

The underrun in the Tie Cut shipments is entirely due to not having tie orders enough to keep the Tie Mill operating steady throughout the year.

The underrun in the costs is due to operating with better efficiency than the basis used in setting up the estimated costs.

TAA:MD-3.  
1/30/35.

THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

RATES OF WOODS WAGES IN EFFECT DURING VARIOUS PERIODS OF 1934 AND 1933.

CLASSIFICATION	1 9 3 4		1 9 3 3	
	JAN. 1st TO DEC. 31st, 1934		JAN. 1st TO AUG. 21st, 1933	AUG. 22nd TO DEC. 31st, 1933
<u>LOGGING</u>				
Teamsters	\$.29	Per Hr.	\$.154	Per Hr.
Swampers	.27	do.	.138	do.
Roadmen	.27	"	.138	"
Common Labor	.27	"	.138	"
Tractor Driver	.50	"	.304	"
<u>LOG LOADERS</u>				
Engineers	.50	"	.323	"
Top Loaders	.30	"	.162	"
Hookers	.29	"	.154	"
Handymen	.29	"	.154	"
<u>LOCOMOTIVE</u>				
Engineers	.60	"	.40	"
Firemen	.47	"	.30	"
Conductors	.53	"	.35	"
Brakemen	.30	"	-	"
Night Watchman	.31	"	.15	"
<u>MISCELLANEOUS</u>				
Blacksmiths	.40	"	.246	"
Barn Bosses	.31	"	.147	"
Cooks	Per Mo.	90.00 & Brd.	70.00 & Brd.	90.00 & Brd.
Cookees	do.	40.00 do.	20.00 do.	40.00 do.
Choreman	"	36.00 "	16.00 "	36.00 "
Track Foremen	"	50.00 & 76.00 & Brd.	35.00 "	76.00 "
Track Repairmen	"	.27 Per Hr.	.138 Per Hr.	.27 Per Hr.
Camp Watchmen	"	-	16.00 & Brd.	-
<u>PIECEWORK</u>				
Railway Construction:				
Lifting Railway Steel (Inc. Ties)	.03	Lin. Ft.	.02	Lin. Ft.
Laying Railway Steel (Inc. Ties)	.04	do.	.025	do.
Grading (1 ft. cut & fill)	.075	"	.05	"
Grading (Yardage)	.23	Per Yd.	.15	Per Yd.
Sawing Logs, etc.:				
12 ft. Long, over 10" Diam.	.10	Each	.06	Each
14 ft. " " 10" "	.12	do.	.07	do.
16 ft. " " 10" "	.14	"	.08	"
12 ft. " 8" to 10" Diam.	.10	"	.03	"
14 ft. " 8" to 10" "	.12	"	.035	"
16 ft. " 8" to 10" "	.14	"	.04	"
Tie Cuts (8 ft. long)	.07	"	.04	"
Chemical Logs	.07	"	.04	"
8/22 to 11/1 to				
10/31 12/31				
<u>CORDWOOD</u>				
Chopping	Per Cd.	1.25	.75	1.25 .75

TAA:MD-4.  
1/31/35.



THE CLEVELAND - CLIFFS IRON COMPANY

LAND DEPARTMENT

COST OF MAINTAINING HORSES AND EQUIPMENT PER TEAM DAY WORKING,  
AS COMPARED WITH 1933, 1932 AND 1931.

Total Cost of Maintaining Horses & Equipment, per Dec. 1934 Statement	\$35,556.40
Total working hours on which above expense is distributed to costs	178,468
Cost per team day of 8 hours - Year 1934	3.188
Cost per team day of 10 hours - Year 1933	2.286
Cost per team day of 10 hours - Year 1932	2.153
Cost per team day of 10 hours - Year 1931	3.727

OPERATING LOG LOADERS

SHOWING DATA ON LOG LOADERS FOR 1934, COMPARED WITH 1933, 1932, AND 1931.

	DAYS LOADING	CARS LOADED	FEET LOADED	TOTAL COST	CARS PER DAY	COST PER CAR	COST PER M	FEET PER CAR
Operation #154	790.6	4470.	21,491,682	\$16,126.84	5.7	3.608	.750	4808
Operation #196	357.	2316	11,588,326	6,744.32	6.5	2.918	.582	5003
Total & Average 1934	1147.6	6786	33,080,008	22,871.16	5.9	3.370	.691	4875
Year 1933	838.8	5560	26,893,079	13,394.54	6.6	2.409	.498	4837
Year 1932	575.9	3114	19,748,261	6,673.86	5.4	2.143	.338	6342
Year 1931	621.6	3838	19,391,176	13,520.47	6.2	3.523	.697	5052

Analysis of differential in loading cost at Operation #154 as compared with Operation #196, year 1934:

The maintenance charges of loaders at Operation #154 amounted to .306 per car as against .099 per car at Operation #196 or a difference of .207 per car or .043 per M Ft.

The loading efficiency per loader per day at Operation #154 was 27,406 feet as against 32,520 feet at Operation #196. If the efficiency of Operation #196 was applied to Operation #154, the loading cost would have been .627 per M instead of .750 per M, or a reduction of .123 per M.

The actual loading cost at Operation #154 was .75 per M as compared with .582 at Operation #196, or difference of .168 per M, due .123 to efficiency and .043 to maintenance of loaders.

TAA:MD-3.  
1/23/35.

THE CLEVELAND - CLIFFS IRON COMPANY

LAND DEPARTMENT

COOK CAMPS

Operated two Cook Camps twelve months and one Cook Camp for construction crews for four months during 1934.

	1934	1933
Total Meals Served	160,843	126,435
Total Operating Cost	\$40,430.26	\$19,258.97
Cost per Meal	.251	.152
(1) Amount of Board Collected	\$42,921.47	\$16,210.29
Amount Taken up in Operating Costs	-	\$ 6,370.71
Profit	\$ 2,491.21	\$ 3,322.03

Increase in the cost per meal is due to camp depreciation, Central Warehouse labor, cost of operating Delco Lights, and proportion of Central Office Expense, absorbed in the Cook Camp cost during 1934 and none of it in 1933. Cost of supplies has also increased as well as labor cost.

- (1) Charges for Board commenced August 22nd, 1933 in accordance with Lumber Code, which provides for minimum wages per hour with charge for Board.

VAN PROFITS

The profit from Van Sales amounted to \$1,170.10 in 1934, as compared with \$387.53 in 1933.

The increase in the profit is due to larger volume of sales of men's furnishings at a greater profit.

TAA:MD-3.  
1/23/35.

THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

STATEMENT SHOWING RAILWAY CONSTRUCTION WORK DONE DURING 1934 AND  
CONSTRUCTION AND COST TO DATE AT OPERATIONS THAT REMAIN UNFINISHED  
AS OF DECEMBER 31ST, 1934.

	MILES OF TRACK		CONSTRUCTION COST PER MILE	
	1934	TOTAL TO DATE	1934	TOTAL TO DATE
<u>OPERATION #119 AUXILIARY SPURS</u>				
Graded		51.37		\$1,053.99
Steel Laid		50.68		1,314.56
Steel Lifted		47.71		431.01
Average Cost Per Mile-Completed Track				2,611.87
<u>OPERATION #119 MAIN LINE</u>				
Graded		18.03		2,052.34
Steel Laid		18.09		4,127.90
Steel Lifted		18.07		312.00
Average Cost Per Mile-Completed Track				6,603.49
<u>OPERATION #154 AUXILIARY SPURS</u>				
Graded	.89	88.17	550.86	783.39
Steel Laid	2.55	86.36	340.77	617.71
Steel Lifted	3.44	52.02)	201.01	206.02
Steel Lifted - Other Spurs		32.97)		
Average Cost Per Mile-Completed Track			1,092.64	1,620.38
<u>OPERATION #154 MAIN LINE</u>				
Graded		11.14		1,155.53
Steel Laid		11.26		1,517.16
Steel Lifted		2.34)		253.39
Steel Lifted-Other Spurs		7.78)		
Average Cost Per Mile-Completed Track				2,926.08
<u>OPERATION #196 AUXILIARY SPURS</u>				
Graded	17.92	20.48	692.89	704.14
Steel Laid	17.25	17.25	509.89	509.89
Steel Lifted - Other Spurs	17.95	17.95	161.62	161.62
Average Cost per Mile-Completed Track			1,364.40	1,375.65
<u>OPERATION #196 MAIN LINE</u>				
Graded	4.41	7.51	812.91	811.54
Steel Laid	6.40	7.85	733.39	740.47
Steel Lifted - Other Spurs	5.01	7.00	168.22	166.27
Average Cost per Mile-Completed Track			1,714.52	1,718.28
<u>RECAPITULATION OF RAILWAY CONSTRUCTION WORK DURING 1934 COMPARED WITH 1933:</u>				
	1934	1933	1934 COST	1933 COST
	MILES	MILES	PER MILE	PER MILE
Graded	23.22	16.98	710.26	593.83
Steel Laid	26.20	17.79	543.79	387.74
Steel Lifted	26.40	18.69	167.32	138.32
TOTAL COST PER MILE			1,421.37	1,119.89

TAA:MD-3.  
1/30/35.

THE CLEVELAND-CLIFFS IRON COMPANY  
LAND DEPARTMENT

COMPARISON OF DELIVERED PRICES ON FOOD, HAY AND OATS, ETC. FOR LOGGING CAMPS

COMMODITY	UNIT	DEC. 1934	DEC. 1933
<u>Groceries:</u>			
Apples #10 Cans	Per Doz.	\$ 4.00	\$ 3.75
Beans, Wax "	" "	4.70	5.00
Catsup "	" "	5.75	5.85
Corn "	" "	5.50	5.25
Sauer Kraut "	" "	4.00	4.50
Cherries "	" "	5.50	
Peas, E. J. "	" "	6.50	6.25
Pumpkin "	" "	3.50	3.75
Tomatoes "	" "	4.75	4.90
Rhubarb "	" "	3.75	
Apricots, Dry	Per Lb.	.15-3/4	.11
Peaches "	" "	.09-7/8	.09
Prunes, 60/70	" "	.07	.06-1/2
Raisins	" "	.06-1/2	.06-1/4
Beans, Navy	Per Cwt.	4.50	3.35
Pickles, Dill	Per Gal.	.49	.45
Tea Siftings	Per Lb.	.07-1/4	.07-1/2
Vinegar	Per Gal.	.18	.17
Peas, Dry	Per Cwt.	4.50	6.00
Molasses #10 Cans	Per Doz.	4.70	5.80
Sugar, Beet	Per Cwt.	5.05	5.15
Corn Meal	Per Cwt.	2.79	2.30
Oats, Rolled	90# Sk.	3.99	2.70
Milk, Canned	Per Case	2.60	2.75
Coffee	Per Lb.	.17	.14
<u>Meats:</u>			
Bacon	Per Lb.	.15	.11
Beef	" "	.07	.06
Dry Salt pork	" "	.145	.08
Eggs	" Doz.	.25	.19
Ham	" Lb.	.14	.09
Lard	" lb.	.13	.08
Oleomargarine	" "	.105	.08
Barreled pork	" bbl.	28.50	17.50
Frankfurts	" lb.	.0875	.085
Polish Sausage	" "	.1375	.0975
pork Sausage	" "	.1025	.09
Bologna - Large	" "	.10	.09
<u>Hay &amp; Oats:</u>			
Hay	Per Ton	25.95	14.45
Oats	Per Bu	.62	.375

HJT:EN-3  
3/7/35

# EXPERIMENTAL FOREST

## LAKE STATES FOREST EXPERIMENT STATION RUSE MICH.

### NORTH 1/2 SECTION 35 T. 46 N. R. 23 W.

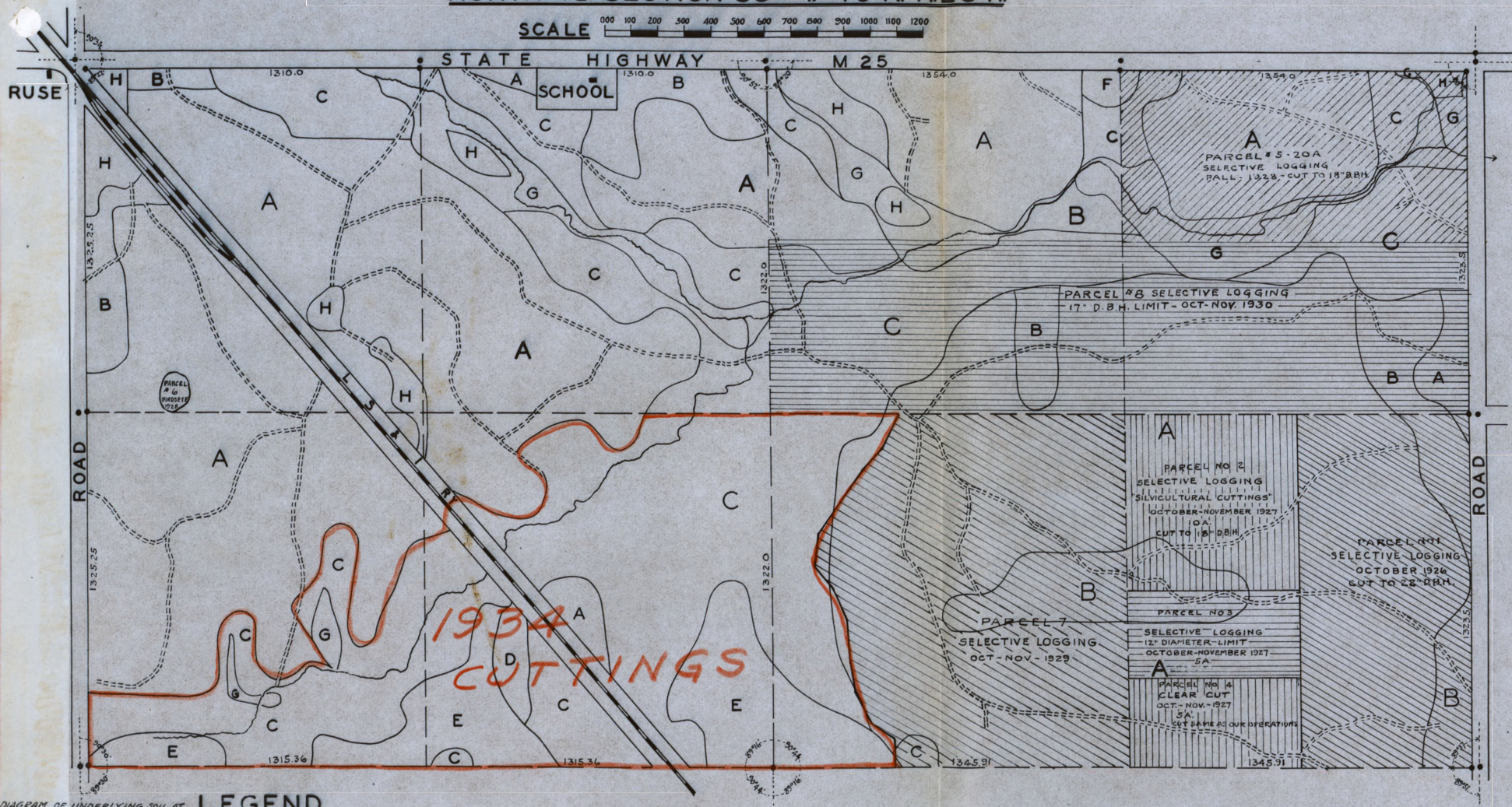
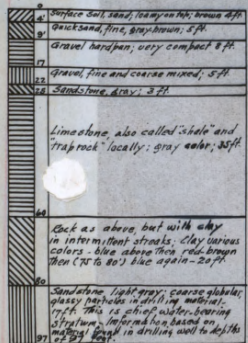


DIAGRAM OF UNDERLYING SOIL AT U.P. EXPT. STATION, RUSE, MICHIGAN



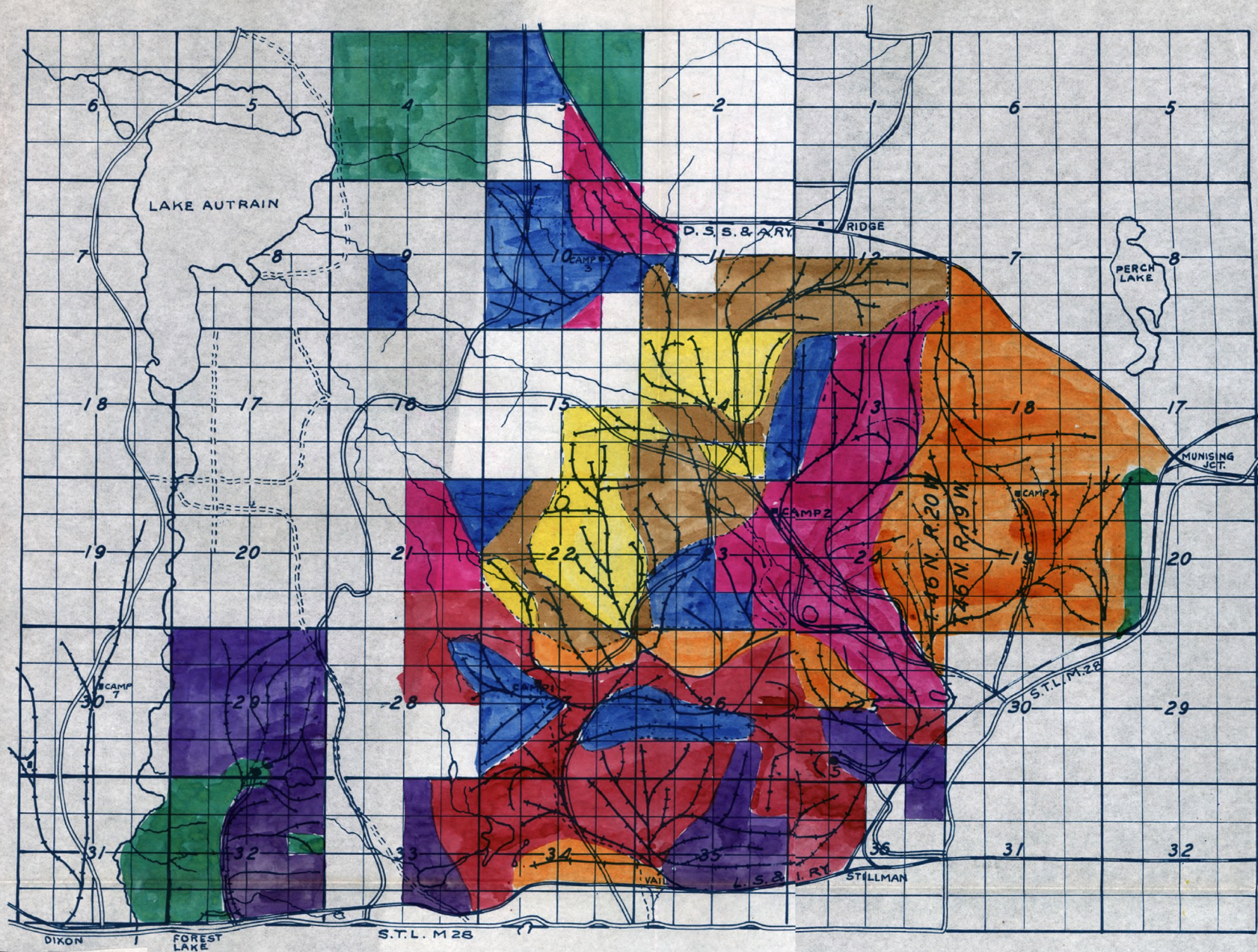
### LEGEND

HARDWOODS		HARDWOOD CONIFERS	HEMLOCK HARDWOODS	CONIFEROUS SWAMP	SECOND-GROWTH HARDWOODS	ALDER SWAMP	OPEN
HEAVY	LIGHT	C	D	E	F	G	H
A	B						
AVERAGE STAND PER ACRE GROSS		SCRIBNER SCALE					
13.2M	5.3M	8.1M	16.3M	6.2M			
AREA - ACRES							
17.0	23.0	75.0	1.0	12.0	0.6	14.0	4.0

### ESTIMATE OF TIMBER









	HARDWOOD				SOFTWOOD				PULPWOOD		MISCELLANEOUS				TOTAL #	TOTAL PER ACRE		
	BIRCH	MAPLE	ELM	ASH	HEMLOCK	PINE	SPRUCE	BALSAM	CEDAR	TAMARACK	SPRUCE CD.	HARDWOOD CD.	CEDAR POSTS	CEDAR TIES			CEDAR POLES	MISCELLANEOUS
HOWIE 1913	255,000	1,635,000		58,000	13,000	14,000	22,000		120,000	200	15	6900	6900	5000	975	2,117,000	6.91+	
LOWNEY 1926	175,000	1,680,000	3,000	7,000	10,000	15,000	7,000	5,000	55,000	2,000	75	4500	2000	1700	360	9700	2,601,000	8.130
GOV'T 1926	423,400	2,021,800	19,300	30,900	21,700		43,000	26,100	271,200								2,861,700	8.94+

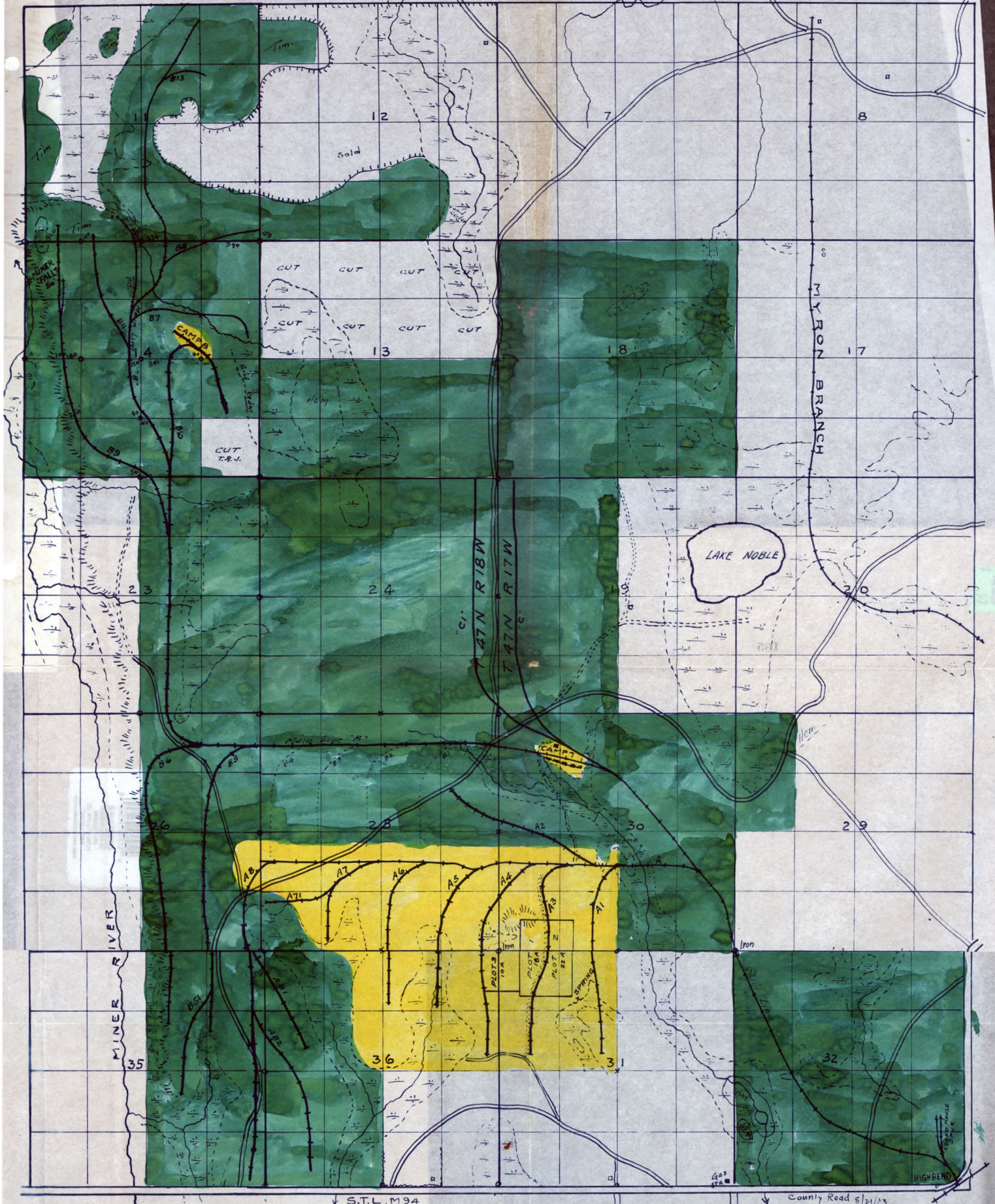
NOTE: IN LOWNEY'S ESTIMATE PULPWOOD AND MISCELLANEOUS PRODUCTS WERE REDUCED TO 1/4 FT. AS FOLLOWS: PULPWOOD 50,000 FT CEDAR POST 10,000 FT CEDAR TIES 54,000 CEDAR POLES 1800 FT HARDWOOD TIES 210,000 FT OR A TOTAL OF 442,800 FT ALSO 50,000 FT OF BIRDSEED MAPLE WAS INCLUDED IN MAPLE ESTIMATES.



## OPERATION 154

### LEGEND

	- Timber Standing.
	- Timber Cut 1928 - Acres cut 930 - Yield Sawlogs 5,812 ft.
	- " " 1929 - " " 1,145 - " " 5,662 "
	- " " 1930 - " " 1,245 - " " 6,610 "
	- " " 1931 - " " 1,560 - " " 6,636 "
	- " " 1932 - " " 2,550 - " " 6,778 "
	- " " 1933 - " " 1,840 - " " 6,848 "
	- " " 1934 - " " 1,375 - " " 6,886 "

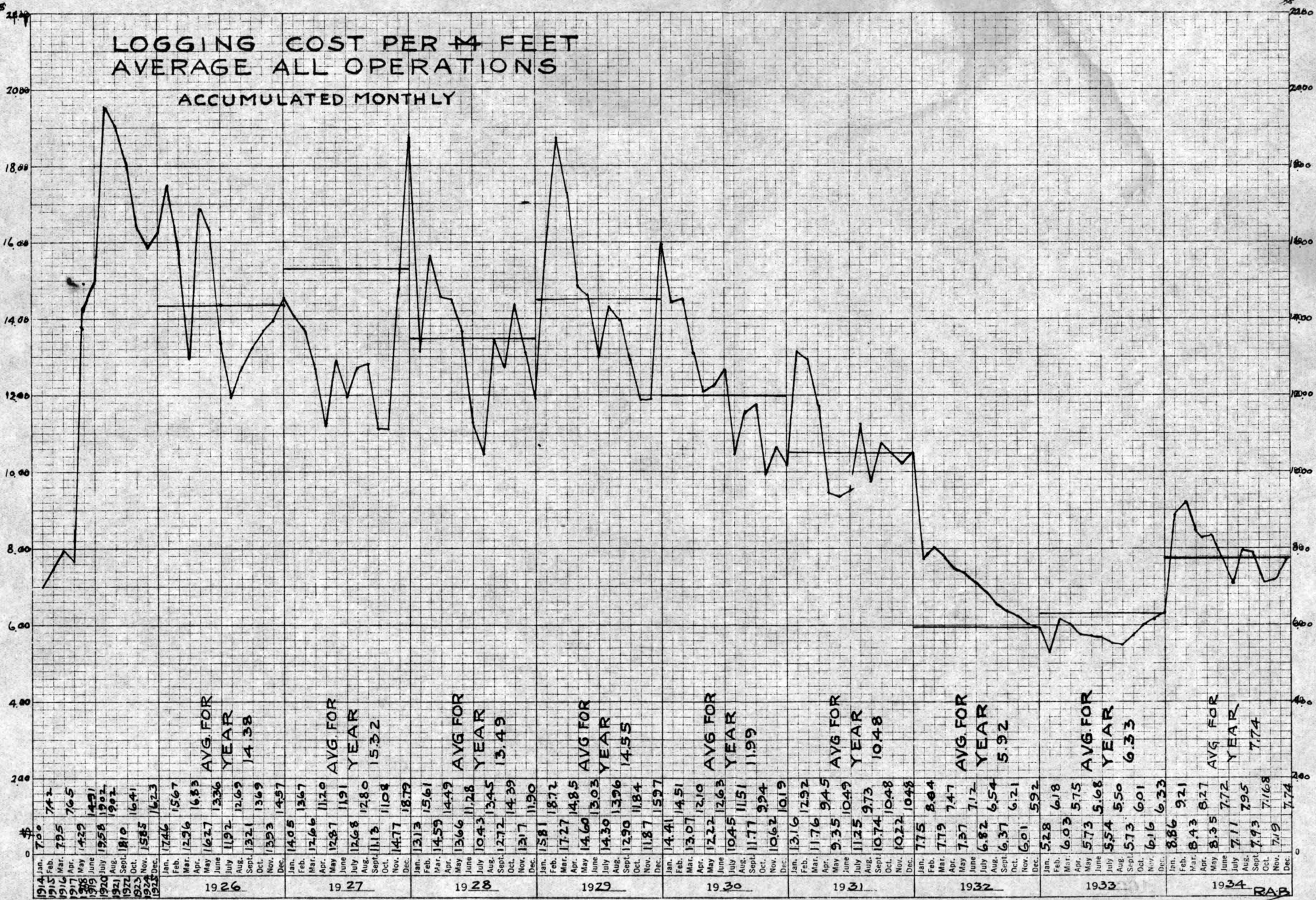


**THE CLEVELAND CLIFFS IRON CO.**  
**LAND DEPARTMENT**  
**LOGGING OPERATION 1936**

**LEGEND**  
 GREEN-TIMBER STANDING  
 YELLOW-TIMBER CUT 1934  
 ACRES CUT 770-YIELD SAWLOGS 7,304 ft.

# LOGGING COST PER 14 FEET AVERAGE ALL OPERATIONS

ACCUMULATED MONTHLY

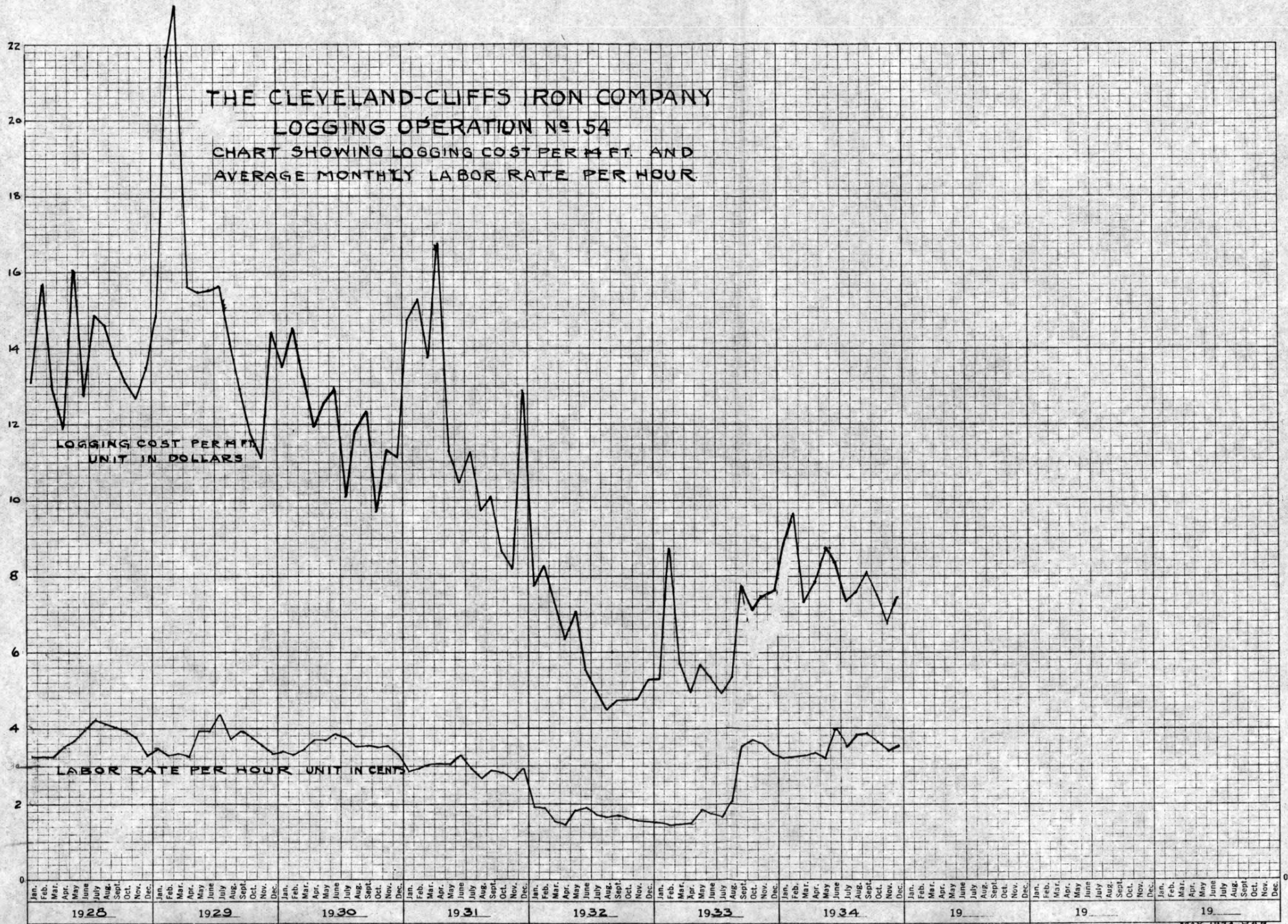


RAB

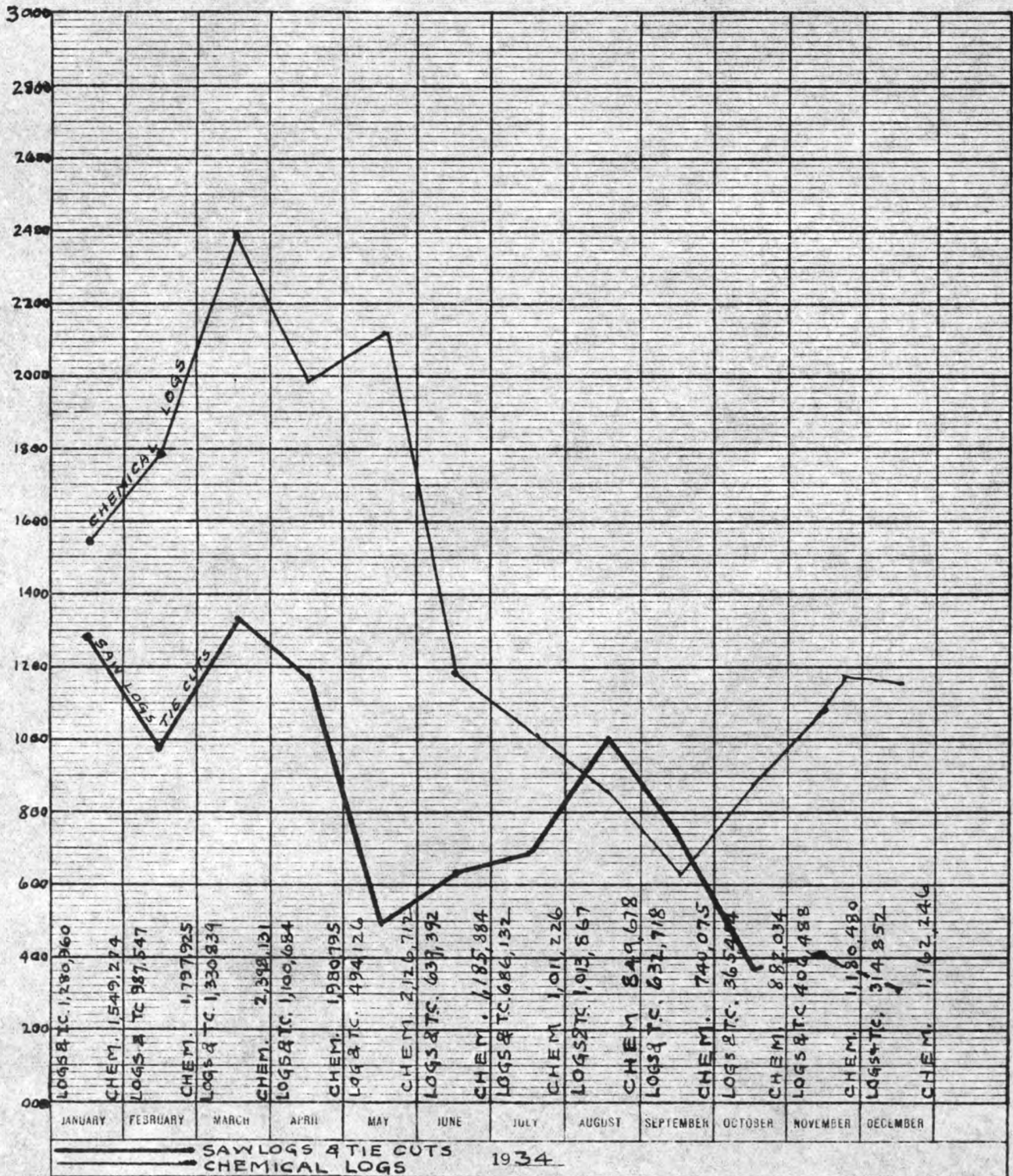




THE CLEVELAND-CLIFFS IRON COMPANY  
 LOGGING OPERATION No 154  
 CHART SHOWING LOGGING COST PER 1/4 FT. AND  
 AVERAGE MONTHLY LABOR RATE PER HOUR.



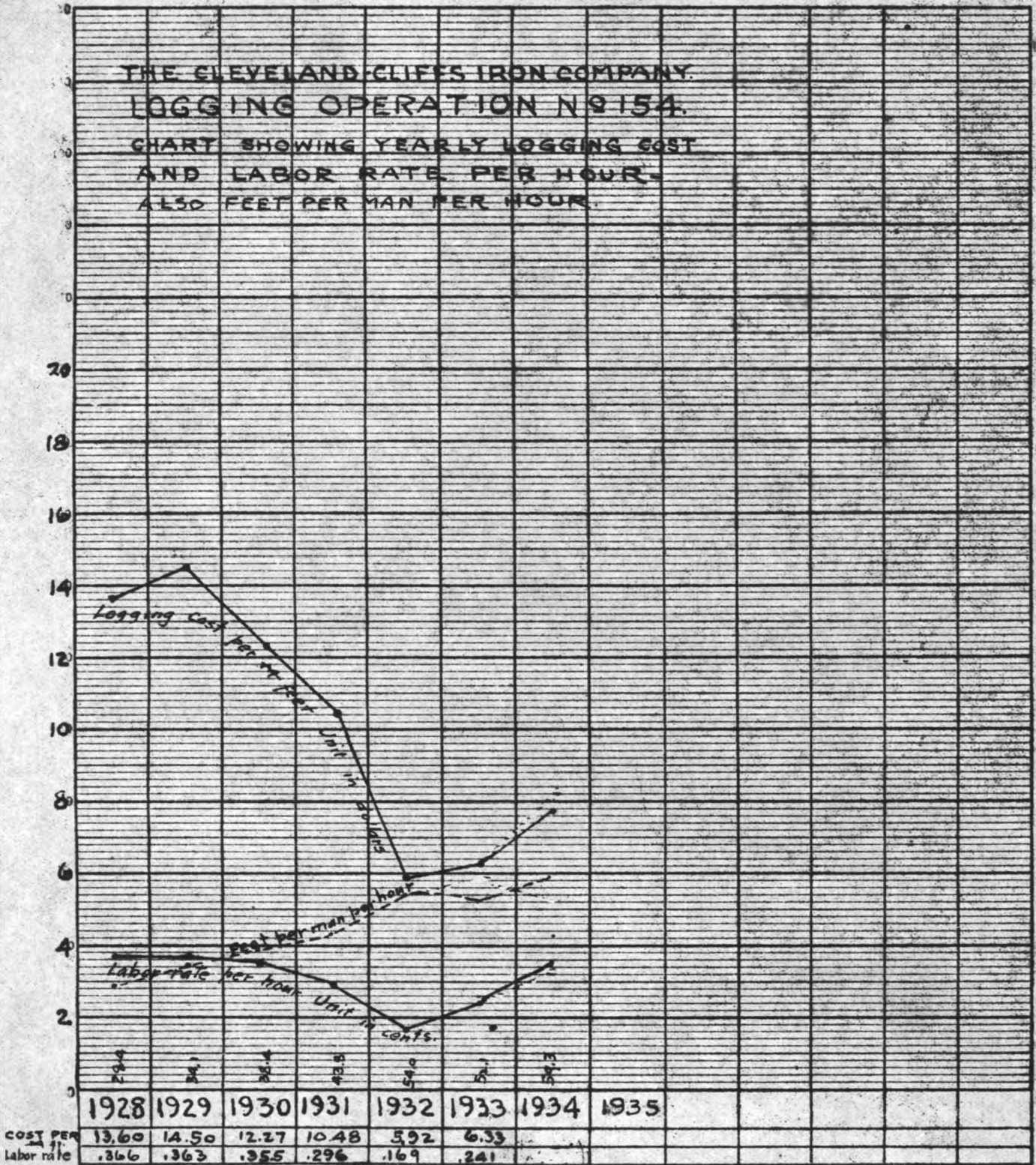
# LOGGING OPERATION 154 - PRODUCTION



SAW LOGS & TIE CUTS  
 CHEMICAL LOGS

R.A.B.  
 KEUFFEL & ESSER CO., N. Y. NO. 359-170  
 One Year by Months

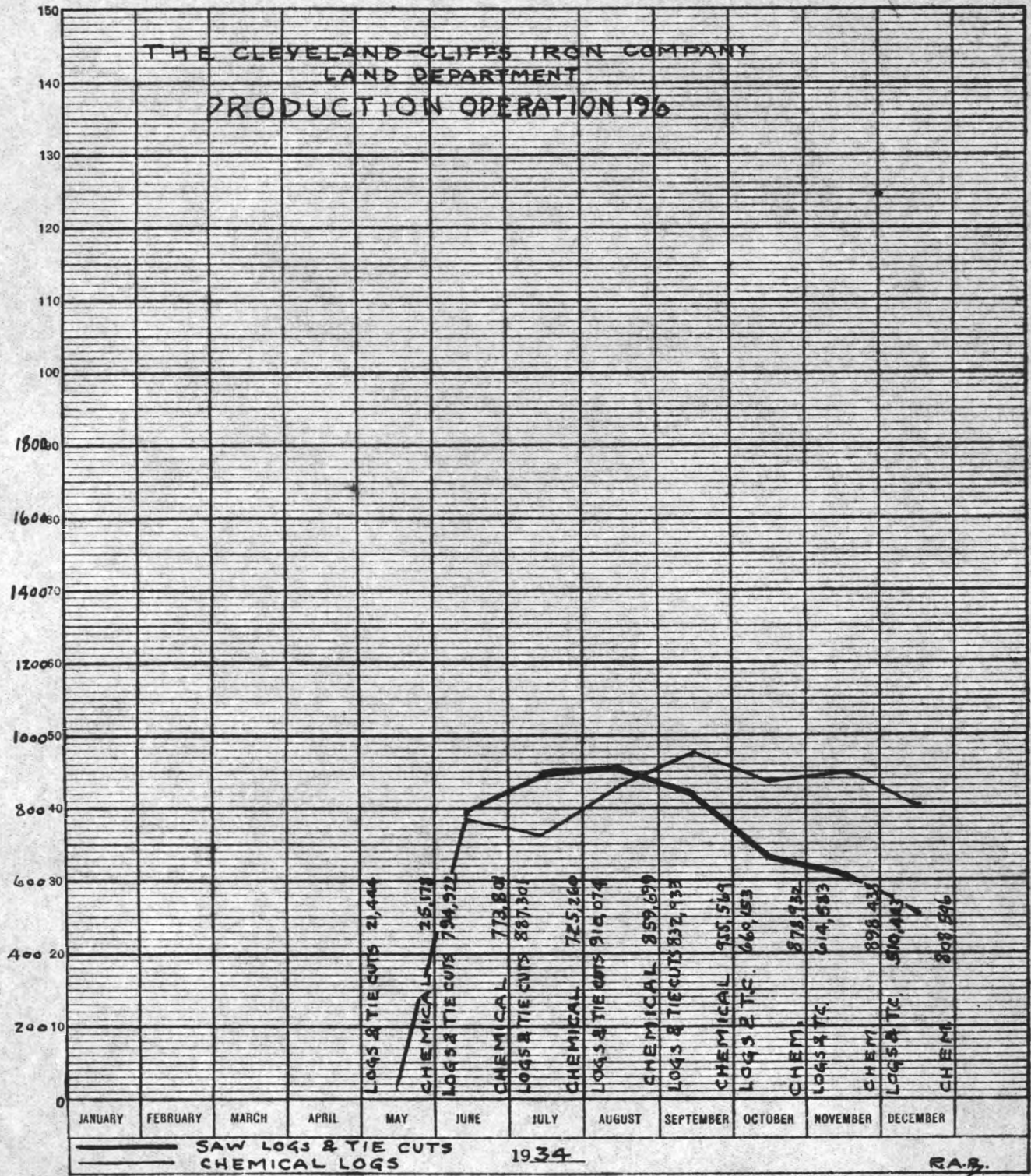
THE CLEVELAND CLIFFS IRON COMPANY.  
 LOGGING OPERATION NO 154.  
 CHART SHOWING YEARLY LOGGING COST  
 AND LABOR RATE PER HOUR.  
 ALSO FEET PER MAN PER HOUR.



OPERATED BY LAND DEPARTMENT SINCE MARCH 1931.

MAY 1934 248  
 KEUFFEL & ESSER CO., N. Y. NO. 350170  
 One Year by Months

THE CLEVELAND-CLIFFS IRON COMPANY  
 LAND DEPARTMENT  
 PRODUCTION OPERATION 1936

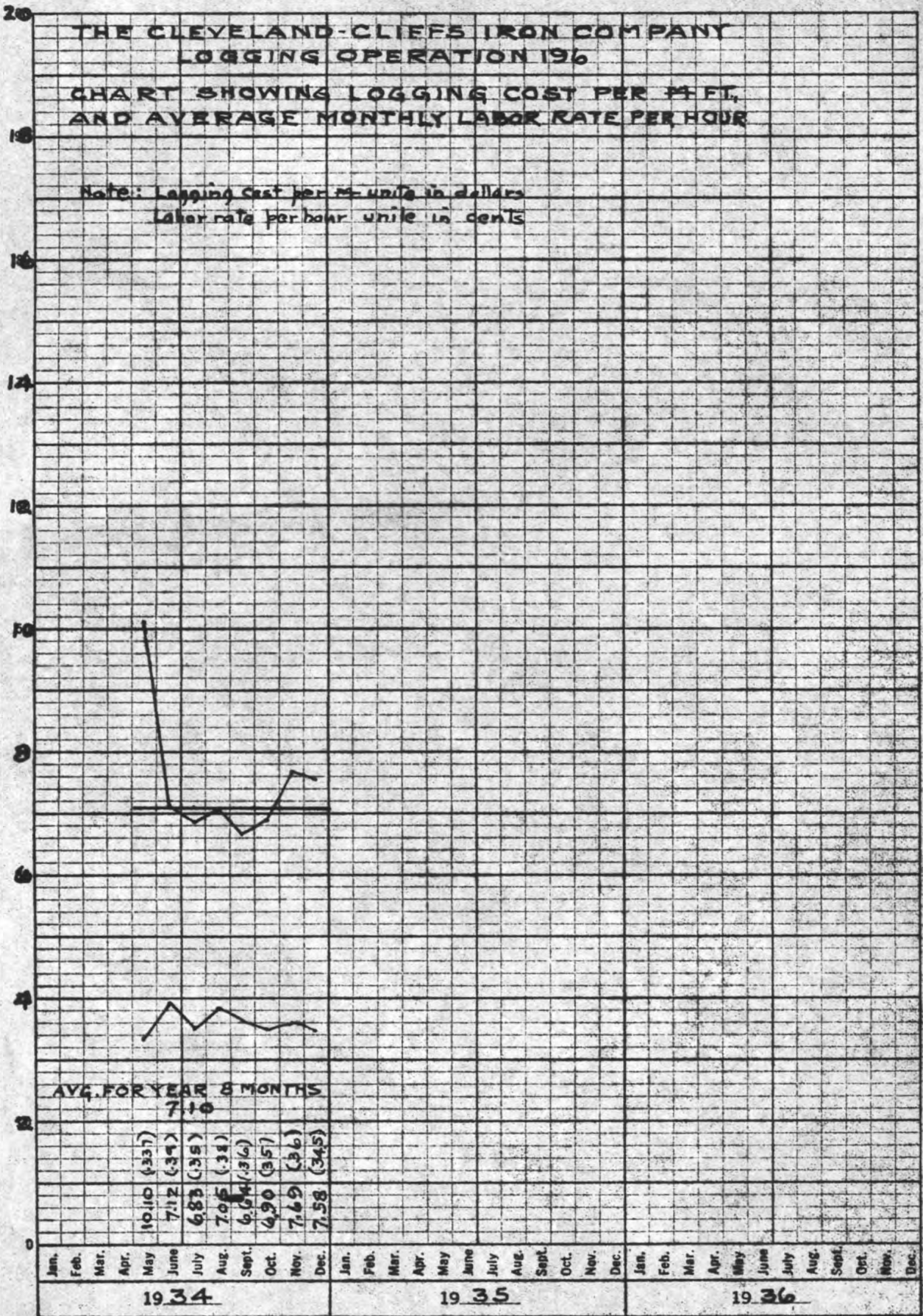


KEUFFEL & ESSER CO., N. Y. NO. 359-170  
 One Year by Months

**THE CLEVELAND-CLIFFS IRON COMPANY  
LOGGING OPERATION 1936**

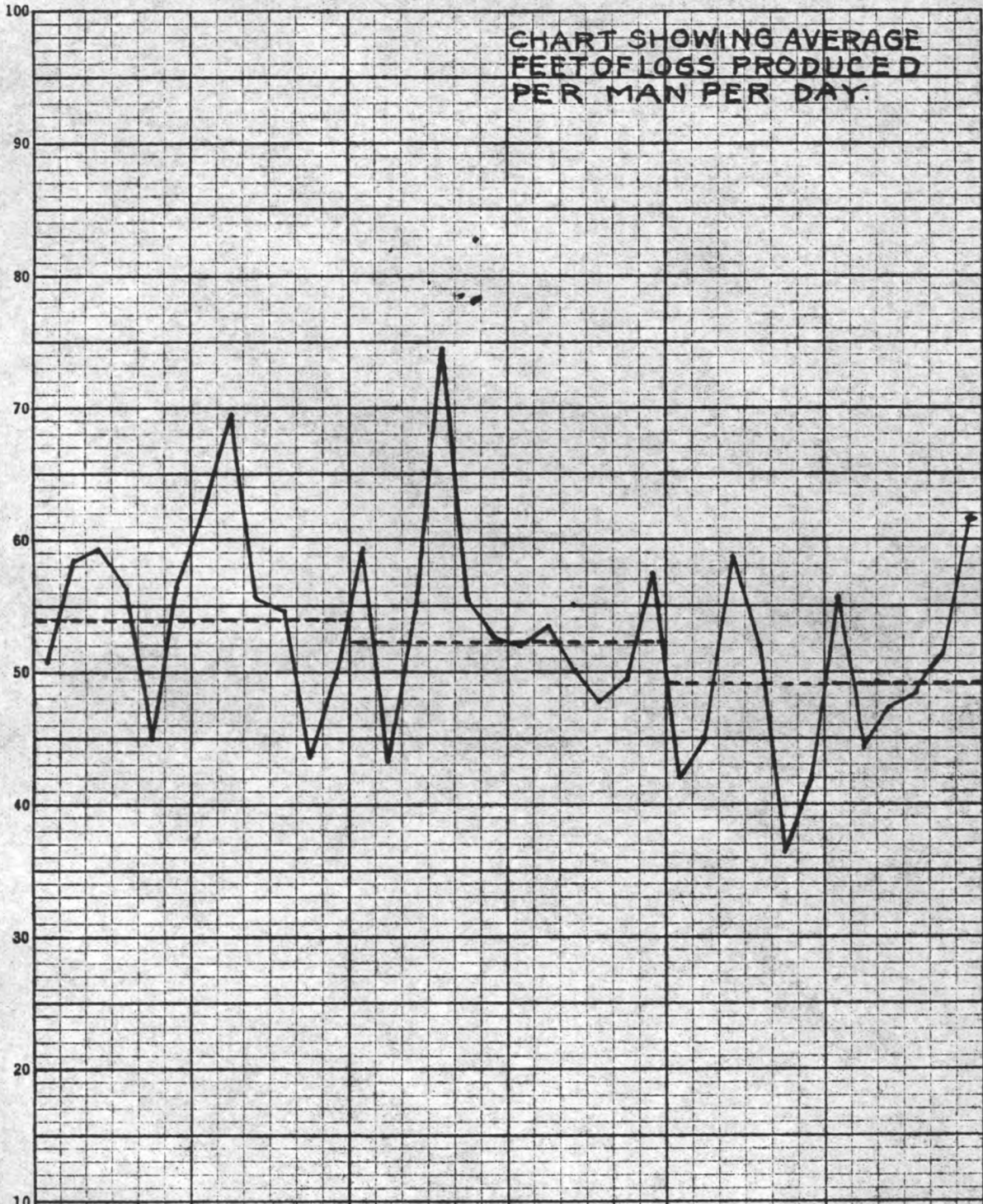
**CHART SHOWING LOGGING COST PER 100 FT.  
AND AVERAGE MONTHLY LABOR RATE PER HOUR**

Note: Logging cost per 100 units in dollars  
Labor rate per hour unit in cents



KEUFFEL & ESSER CO., N. Y. NO. 359-100  
Three Years by Months  
OCT-1934  
RAB.

CHART SHOWING AVERAGE FEET OF LOGS PRODUCED PER MAN PER DAY.



AVERAGE FOR YEAR 546

AVERAGE FOR YEAR 523

AVERAGE FOR YEAR 482

Jan.	509	Jan.	592	Jan.	420			
Feb.	583	Feb.	432	Feb.	450			
Mar.	591	Mar.	546	Mar.	589			
Apr.	561	Apr.	743	Apr.	520			
May	450	May	553	May	364			
June	562	June	526	June	421			
July	622	July	520	July	559			
Aug.	693	Aug.	533*	Aug.	443			
Sept.	555	Sept.	509	Sept.	472			
Oct.	546	Oct.	479	Oct.	485			
Nov.	437	Nov.	493	Nov.	513			
Dec.	498	Dec.	572	Dec.	619			
1932			1933			1934		

\* N.R.A. CODE IN EFFECT AUGUST 19-1933

KEUFFEL & ESSER CO., N. Y. NO. 389-180  
Three Years by Months.

REPORT OF STEPHEN LOWNY, JR., LAND LOOKER,  
FOR YEAR 1935.

I give you below a brief summary of the work covered during the past year.

Scaled logs at the Piqua Handle Company plant much of the time between January 22 and July 1, 1934.

Made 539 calls on stumpage jobbers, looking over their works.

Turned in 21 applications for land.

Turned in 22 applications for stumpage jobs.

Ran lines on 45 stumpage jobs.

Secured road right-of-ways for three stumpage jobs.

Turned in 142 trespasses, small and large.

Examined, either in detail or scout examination, 15,640 acres of land.

Issued 3 wood permits.

Made calls on 30 wood permits.

Made trespass patrols in 14 different districts.

Put out 1 forest fire on Company land.

Made 27 collections, totaling \$70.20

Special work; such as

Showing lands to possible buyers

Examining County road work

Scaling logs bought by different parties along the line - totaling 16 trips in Special Work.



REPORT OF MR. A. J. ERICKSON  
FOR YEAR 1934

THE CLEVELAND-CLIFFS IRON COMPANY

SALES OF LAND AND TIMBER:

REAL ESTATE SALES

The total sales amounted to \$41,234.28, made up of the following; \$13,576.58 represents the consideration of three sales to the Federal Government of lands lying within the limits of the National Forests or State projects; 1,502.40 acres were sold to the Michigan Pole & Tie Company for a consideration of \$20,000.00; four sales were made for camp purposes amounting to \$726.00; five sales of agricultural lands for a consideration of \$1,310.00, and the balance is made up of miscellaneous sales of land and timber and also the nominal consideration of right-of-way deeds to the State, County, etc.

TIMBER SALES

These sales amounted to \$5,475.00 and are made up as follows;

Robert Olson	SW $\frac{1}{4}$ of NW $\frac{1}{4}$ , Sec. 30-47-23	Spruce Only	\$ 50.00
Ed Sharkey	NE $\frac{1}{4}$ of SE $\frac{1}{4}$ , Sec. 31-47-18	Hdwd. Only	100.00
City of Escanaba	SE $\frac{1}{4}$ of NE $\frac{1}{4}$ and N $\frac{1}{2}$ of SE $\frac{1}{4}$ , Sec. 16-39-23		350.00
Clinton Forsterling Lands in	Sec. 14-45-26		3500.00
Waino Millimaki	SW $\frac{1}{4}$ of SW $\frac{1}{4}$ , Sec. 18-47-27		25.00
Ed Sharkey	W $\frac{1}{2}$ of NW $\frac{1}{4}$ , Sec. 32-47-18	Hdwd. Only	400.00
Matt Viitala	SW $\frac{1}{4}$ of SW $\frac{1}{4}$ , Sec. 1-42-23		125.00
Isaac Hännuksela	SW $\frac{1}{4}$ of SE $\frac{1}{4}$ , Sec. 34-48-25		200.00
Matti Holli	NW $\frac{1}{4}$ of NW $\frac{1}{4}$ , Sec. 34-48-28		300.00
George Hännuksela	SW $\frac{1}{4}$ of NE $\frac{1}{4}$ , Sec. 34-48-28		425.00

PULPWOOD PERMITS

We issued thirty-six new Spruce and Balsam Permits, four Poplar Permits, and two Jack Pine Permits during the year. Forty-three of the pulpwood permits were active during the year. The pulpwood was delivered to The Munising Paper Company, William Bonifas Lumber Company, Sawyer Stoll Timber Company, Badger Paper Mills, Inc., Thilmany Pulp & Paper Company, and Thomas Connors. The stumpage recovered from these permits amounted to \$17,263.85.

### SOFTWOOD TIE PERMITS

Twenty-one new permits were issued during the year but deliveries were made only on twelve. Stumpage recovery was \$6,396.76. The total deliveries for the year were as follows:

Cleveland-Cliffs Iron Company, Furnace Dept.	1,914	pcs.
Cleveland-Cliffs Iron Company, Mining Dept.	500	"
Lake Superior & Ishpeming Railroad Co.	27,283	"
Duluth, South Shore & Atlantic Railway Co.	5,023	"
Soo Line Railway Company	4,623	"
Total Ties Delivered	39,343	"

### MISCELLANEOUS PERMITS

In addition to the above pulpwood and softwood tie permits, we also issued a number covering mining timber, cedar poles and posts, box lumber bolts, chemical wood, and miscellaneous logs and the total stumpage recovery from these amounted to \$2,862.33.

### MISCELLANEOUS STUMPAGE SALES

These amounted to \$1,370.80 and in addition to building material and fuel, there is included in this item the earnings from softwood ties produced in our lumbering operations at Hibend by Fournier, Hier, and others.

### LAND AND TIMBER NEGOTIATIONS:

#### GROUP 1 LANDS

##### HAMMERMILL PAPER COMPANY

We had some further correspondence with these people during the year but nothing tangible developed and it seems now as though these negotiations will not be revived.

##### THILMANY PULP & PAPER COMPANY

We also continued our conversations with this company and also the Kimberly Clark Company with reference to the pulpwood timber on these lands but nothing definite has developed.

##### NEKOOSA-EDWARDS PAPER COMPANY

These people are interested in Jack Pine and also Spruce and Balsam, Hemlock and Tamarack for pulp purposes and we had conversations with Mr. F. G. Kilp, their Forester, in this office on November 12th and quoted them a price of

\$675,000.00 on 72,213.78 acres in this group but do not expect we will hear anything from them on this matter until some time in 1935.

#### MISCELLANEOUS

In addition to the above negotiations we received six applications for lands for camp sites, three inquiries for timber and one for lake frontage in this group which resulted in two sales for camp sites and the timber sale to the Michigan Pole & Tie Company.

#### EXCHANGE

During the year we had only one or two general conversations with the Newberry Lumber & Chemical Company with reference to the proposed exchange of some of our holdings in Luce County adjoining those of the Chemical Company for its timber holdings in the district Northeast of Munising but nothing definite has developed except that we have been endeavoring to arrange a trade of a few of our lands adjoining their present operations for entire Section 33-48-16 belonging to the Chemical Company but this has as yet not been brought to a definite conclusion.

#### RANGE 24 LANDS

No sales were made of lands in this group. We did, however, quote Emil Railo on the remaining timber holdings in 44-24 and also J. O. Blixt, of Escanaba, on the greater portion of our remaining lands in this town. We also quoted a number of parties on all our lands in Section 35-44-24 or portions of them.

#### DULUTH, SOUTH SHORE & ATLANTIC RAILWAY COMPANY EXCHANGE

This pertains to the release by the Duluth, South Shore & Atlantic Railway Company of the abandoned right-of-way of its so-called South track between Marquette and Negaunee in which we are endeavoring to include certain parcels in the vicinity of the Athens Mine in exchange for which we are to grant certain privileges to the Railroad Company in connection with its right-of-way in the City of Ishpeming. All of the property of the Duluth, South Shore & Atlantic Railway Company is included in two Trust Deeds held by New England banks and Berg & Clancey have ruled that unless we secure the consent of the Trust

Companies to the release of these parcels from the Trust Mortgages the conveyance from the Railroad Company to us would be of no avail. The Trust Companies will not release any of the lands covered by the Mortgages because the Railroad Company is delinquent in its taxes. The Railroad Company, during the past year, secured a satisfactory agreement with the State of Michigan with reference to its taxes and it is hoped that these negotiations can be resumed early in 1935.

MISCELLANEOUS:

In addition to the above mentioned inquiries for land and timber, we made about one hundred and seventy-five quotations mostly on scattered tracts which contain timber. The market for forest products of all kinds has been rather limited the last two or three years and this accounts for the lack of any great number of sales.

LAKE AND RIVER FRONTAGE:

We received a number of inquiries for the lots on Johnson and Bertrand Lakes near Gwinn which were platted in 1933 but during the past year very little interest was apparent in frontage property. It is hoped that with better business conditions prevailing, we will be able to dispose of some of these frontage properties.

We have as yet been unable to satisfy Charles F. Johnson as to the ownership of our property on Gold Lake and we feel that we will not be able to bring this to a conclusion until ejectment suit is started.

NATIONAL FORESTS:

A considerable extension was made to the Hiawatha National Forest during the year and we also recommended to the Forest Service that they include within the limits of this forest a portion of 46-21 and all of Towns 47 and 48-21 and this was recommended by the local Forester and also Mr. Tinker, the Regional Forester, and it is hoped will be added to the forest in 1935 and this will enable us to dispose of all of the cut-over lands included in the so-called Rock River Operation North of Chatham and also a portion of the lands acquired in the Jackson Iron Company Purchase.

HIAWATHA FOREST

On December 13th, 1934, we issued a deed covering 400 acres in 44-19 at \$1.50 per acre which was optioned under date of May 14th, 1934, and on May 18th,

1934, we issued a deed covering 8,457.72 acres for a price of \$1.50 per acre but the Government has as yet not completed the checking of the title. On August 25th, 1934, we granted a proposal on 12,289.04 acres at a price of \$3.55 per acre. This covered largely lands in State projects which the Federal Government desired to acquire in order to use in trading for state-owned lands in the National Forest. An option on 236.88 acres at \$2.00 per acre, being a portion of these lands located in Mackinac County was granted; this option is in the name of the Superior Realty Company.

On October 15th, 1934, we granted an option covering 4,079.26 acres in 45 and 46-23 at \$30.00 per acre covering timbered lands (excepting 320 acres which were cut-over) to be used as additional area in connection with the Upper Peninsula Forest Experiment Station.

MARQUETTE FOREST

During the year we received payment at \$1.50 per acre for 630.10 acres of the 1,542.84 acres which were deeded to the Government in 1932 and as to the balance of the acres, 912.74, we furnished affidavits as to tax payments and adverse possession and control over a long period of years which we hope will satisfy the authorities at Washington as to some slight discrepancies in title which they would not pass. On April 4th, 1934, we issued a deed covering 200 acres in 43-5 at \$1.45 per acre and this is being held up due to missing patent which we will not be able to secure until the Circuit Court meets in April, 1935.

LOT SALES:

These amounted to \$3,765.00 and covered the following:

Entire Block 4 and 5,	LaPorte Addition, Munising	\$2,110.00
Lots 11,12,13,14,15,& 16, Block 4,	Plat of Gwinn	855.00
Lots 12 and 13,	Block 5, Original Plat, Munising	800.00

HOUSE AND LOT SALES:

John Yell surrendered his contract covering Lot 56 and East Half of Lot 55, Island View Addition, Munising, last May and we re-sold it to Albert J. Cota and Wife on May 17th, 1934, for a consideration of \$2300.00 payable at the rate of \$20.00 per month in addition to the taxes and insurance. Mr. Cota immediately started work completing the property and has added considerably to its value since he took possession.

NEGAUNEE HOUSE SALES:

Sales of houses in the so-called New Addition, City of Negaunee, during the year were as follows; these include sales of Negaunee Mine houses also:

House No.	Purchaser	Lot Block	Price	Down Payment	Monthly Payment
Maas 89	Edw.J.Heij & Wife	11 3	\$2250.00	\$325.00	\$ 22.50
Maas 111 $\frac{1}{2}$	Teresa Paris	11 6	1600.00	1600.00	
Neg.Mine 52	Erland Maki & Wife	12 1	2000.00	200.00	20.00
Maas 73	Edgar R. Staples & Wife	28 4	1800.00	180.00	18.00
Maas 36	John Kujula & Wife	7 4	1100.00	110.00	11.00
Maas 72	J.Wm. Larson & Wife	12 3	1650.00	165.00	16.50
Maas 96	Andrew Kangas & Wife	25 & 4 26	2200.00	220.00	22.00
Maas 18	Hilpi & Leonard T. Parkkonen	3 & 4 4	1500.00	150.00	15.00
Maas 113	Jos.P.Guizzetti & Wife	23 4	1300.00	130.00	13.00
Maas 2	Jacob E. Keranen & Wife	8 4	1400.00	140.00	14.00
Maas 110	Arne O. Mantela & Wife	18 4	1500.00	150.00	15.00
Maas 81	Oscar Huttula & Wife	12 4	1500.00	150.00	15.00
Maas 123	John Ducoli	13 6	2000.00	200.00	20.00

NEW LEASES:

The new leases issued during the year were as follows:

Dwelling leases;- thirteen in The Cleveland-Cliffs Iron Company's First Addition, Negaunee, five at Republic, fifteen in the Lake Angeline and Salisbury Locations, Ishpeming, one Pendill Addition, Negaunee, one Forest Lake, one Princeton, two Bancroft Location, Ishpeming, two Barnum Addition, Ishpeming, and one Third Addition, Ishpeming, Also six camping leases, one pasture lease, nine garden leases, and eleven miscellaneous leases for various purposes, principally gas station at Munising, playgrounds at Negaunee, banking ground at Princeton, etc.

The total annual rental on these new leases is \$739.00 and, in addition thereto, a number of the leases require the payment of the taxes in addition to the rental and tax payments based on the 1933 taxes representing an additional item of \$262.11 per year; this tax item does not include the taxes on the lots in the New Addition, Negaunee. In addition to the rental and tax payments, we also secured a refund of \$228.74 for special sewer taxes paid on two lots in the Barnum Addition, Ishpeming.

GARDEN PERMITS

The garden permits issued during the year were handled entirely through the County Poor Commission and the permits issued on lands of this company were as follows:

Ishpeming District	229
Negaunee District	222
North Lake District	77
Princeton District	87

MINING DEPARTMENT LANDS:

We are still working on the matter of checking up various leases on Mining Department lands whenever we have an opportunity and hope we will be able to complete this work in 1935.

LAND RENTALS:

The rental earnings for the year 1934 as compared with the year 1933 show increases as follows, due to new leases:

	1934	1933	Increase
Lot Rentals	\$12,980.77	\$12,469.27	\$ 511.50
Land Rentals	10,759.54	10,405.71	353.83
Sundry Rentals	-	6.75	

ROYALTIES:

The royalties received from the Advance Industrial Supply Company for rock used in its crushing plant at the Pine Hill Quarry amounted to \$576.20 as compared with \$882.30 for the year 1933. The total royalties received from this operation to the end of 1934 amounted to \$26,198.74 in addition to which these people have also paid the taxes during the life of the permit.

LAND PRODUCTS SALES:

These totaled \$919.95 and is made up principally of gravel sales to the Marquette County Road Commission amounting to \$652.05, and to the State Highway Department, \$161.70. The balance represents royalties on rock used by the Ishpeming and Negaunee City Crushing Plants and sand sold at Munising to concrete block makers.

RENTED BUILDINGS:

The dwellings were all occupied during the year with the exception of houses numbered 208 and 209 which were vacant part of the year. The total earnings amounted to \$8,403.93 as compared with \$6,630.00. This increase is due to the return of the

Beach Inn to a rental basis and the re-opening of the Manufacturers Hotel. The total operating expense, exclusive of depreciation, amounted to \$5,399.20, of which amount \$2,860.50 represents maintenance expense, the balance is made up of insurance, taxes, and location expense at Forest Lake. The net earnings before depreciation amounted to \$3,004.73 as compared with \$3,858.51 for 1933. Considerable work was done on the Manufacturers Hotel such as exterior and interior painting and decorating and roof work on a number of houses at Negaunee and Munising, the installation of a new hot air furnace in the Acker house, and also the improvement of House No. 208 at Negaunee,- this involved the redecorating of the entire interior, laying of hardwood floors in three rooms and hallway on first floor, and the erection of a small lean-to garage.

COLLECTIONS:

The following is a comparative statement of the sales and rents receivable accounts as of December 31st, 1934, and 1933:

	1934	1933
Real Estate Sales Receivable	\$46,992.99	\$41,252.77
Farm Land Sales Receivable	17,755.77	17,924.39
Lot Sales Receivable	1,055.72	528.04
House and Lot Sales Receivable	4,889.65	5,150.33
Negaunee House Sales Receivable	27,896.73	15,916.64
Timber Sales Receivable	5,059.03	15,233.93
Land Products Sales Receivable	805.24	1,268.52
Land Rents Receivable	34,314.54	28,613.76
House Rents Receivable	4,090.82	3,818.70
Grand Island Rents Receivable	350.00	279.17

SALES ACCOUNTS

Attached to this report is a statement with comments on the individual sales accounts. The economic conditions did not improve materially during the year in this district and it is therefore very difficult to make collections on outstanding contracts. Since the first of June, 1935, we have received the final payment from the Michigan Pole & Tie Company on their contract, amounting to \$10,000.00, and this will materially reduce the balance due shown on the Real Estate Sales. The balance due on the Timber Sales is represented by taxes of 1934 and have nearly all been paid since January 1st, 1935.

RENTAL ACCOUNTS

Employment conditions did not improve in these communities during the



year and the earnings received from two days per week at the mines or two and three days per week on relief work are hardly sufficient to keep the average family in provisions and it has been very difficult to make collections of land rentals. It is hoped, with better working conditions prevailing, that we will be able to reduce these accounts substantially in 1935.

SURRENDERED AND CANCELLED CONTRACTS:

No contracts cancelled or surrendered during the year.

CLIFFLAND FARM:

The crop conditions in Alger County were about the same as the year 1933, that is, the farmers suffered considerably from drought and grasshoppers. The Koskelas, however, secured enough hay and grain to carry their stock through the winter but had no surplus to sell. The potato crop was fairly good and they also did better on their strawberries than the year before. They are carrying about fifty head of stock and this is about the limit which their present barn equipment would accommodate.

The total credits to this account during the year amounted to \$650.35 and is made up of earnings from deliveries of milk and cream to the Hotel Williams and also potatoes and beef to our Lumbering Operations.

Koskela did not get around to the re-building of his fences during the year but hopes to have this work done in 1935.

The balance due on this contract as of December 31st, 1934, is as follows:

Payment on Principal due Dec. 1, 1928	\$ 500.00
" " " " Dec. 1, 1929	500.00
" " " " Dec. 1, 1930	500.00
" " " " Dec. 1, 1931	1,000.00
" " " " Dec. 1, 1932	1,000.00
" " " " Dec. 1, 1933	1,000.00
" " " " Dec. 1, 1934	1,000.00
Interest on Principal to Dec. 1, 1934	4,000.34
Insurance Premium Balance to April 7, 1935	Paid
Taxes 1934	90.55
Total	<u>\$9,590.89</u>

BEACH INN:

We were unable to make any satisfactory arrangements with Mr. Heckathorn covering the amount he was in arrears on his contract for the purchase of this property and he surrendered his contract as of June 29th, 1934. The property was leased to Bert S. Carr on that date for a period of one year at a rental of \$200.00 per month, in addition

to which he was also required to do the necessary cleaning, repair work, painting, etc., at his own expense. The lease gives him the option to purchase this property for a price of \$22,500.00,- \$3,500.00 down, balance in monthly payments of \$250.00 each with interest at six percent.

Carr has kept up his rental payments and has also made expenditures for repairs and renewal of equipment amounting to \$1,463.52 up to the end of December. He has enjoyed very good patronage and his operations at the end of the six month period shows a profit. Attached hereto is a statement showing in detail the results of his first six months.

MANUFACTURERS' HOTEL:

This property was reopened on June 15th by Mr. A. J. Belfry and he paid a rental of \$85.00 per month from June 15th to December 15th. The company painted the exterior and also did some interior decorating and some other minor repairs to the roof and the exterior of the building in preparing it for the painting. This total expense amounted to \$682.32. Mr. Belfry, at his own expense, did a lot of work for which we furnished material and, in addition thereto, purchased new equipment and he reports that this cost him in the neighborhood of \$400.00. The property is in good condition and during the summer months he enjoyed very good business.

BELLEVUE AND CLIFFS FARMS:

The Bellevue Farm was leased during the year for a rental of \$300.00 and, in addition thereto, the double house was occupied nearly the entire year. The Cliffs Farm was idle.

LOCATION IMPROVEMENTS:

No expense of this nature incurred for the year.

ROSENWALD TITLE:

There is nothing new to report. We presume this matter will have to rest until the Weber Mortgage is disposed of.

MISCELLANEOUS:

WOOD PERMITS

The granting of wood permits was handled entirely through the County Poor Commission and this company again set aside certain second growth timber for

this purpose. The statement accompanying this report shows the number of cords cut from Company lands and descriptions from which they were taken. The number of permits issued were as follows:

Ishpeming residents	98
Negaunee residents	33
Palmer residents	58
Diorite residents	<u>19</u>
Total	208

#### LAC LA BELLE LANDS

We have been unable to get The Munising Paper Company to provide a release of the Trust Mortgage on Paper Company property satisfactory to Berg & Clancey and we had this matter up with The Paper Company several times during the year but made no progress. The taxes for 1932, 1933, and 1934 are delinquent on these lands and we advised the Paper Company under date of July 31st, 1934, that we considered them liable for these taxes until they furnish us with a suitable release of the Trust Mortgage so that we can make a proper release to the Newberry Lumber and Chemical Company. It seems that some arrangement should be made to dispose of this matter without further delay but we are at a loss as to how this should be brought about. Possibly an exchange with the Newberry Lumber and Chemical Company and also the Paper Company whereby the various interests of these companies and ourselves can be consolidated would be a solution.

#### LUNDIN & BJORK GOLD MINING LEASE

We attach hereto the two semi-annual reports received from Lundin & Bjork and also Mr. E. L. Derby, Jr., covering the operations under this lease for 1934.

The Calumet & Hecla Consolidated Copper Company have taken an option on the Ropes Gold Mine and also certain interests in the lease granted by The Cleveland-Cliffs and The Cliffs Power and Light Companies to Lundin & Bjork and assignments covering these fractional interests have been prepared and placed in escrow with the First National Bank of Houghton. The Calumet & Hecla Company started operations on this property and are employing in the neighborhood of twenty-five or thirty men.

SECOND GROWTH CHEMICAL WOOD:

During the year the Furnace Department requested that we arrange to purchase some second growth chemical wood consisting of Yellow Birch, Maple, and Beech, which they desired for a special charcoal. Sixteen contracts were made during the year for this material and the total deliveries were 5,190 cords. The price paid was \$4.25 per cord of 50" wood delivered at the Furnace and during the latter part of the year they paid \$4.50 for Oak second growth.

BUNKER HILL MINING COMPANY

LEASE RENTALS:

The total earnings were the same as last year, namely \$707.00, and we also received \$12.00 from The Cleveland-Cliffs Iron Company for the use of the Company barn.

RENTED BUILDINGS:

The earnings were the same as in the year 1933, namely \$436.80. Most of the rentals are on a half time basis. The repair expense amounted to \$102.73 and was made up principally of roof repairs and some additional work such as replastering and the cost of materials for interior decorating. In addition thereto, the company paid \$28.80 for water rates which is included in the rental charged. The insurance for the year was approximately \$27.30. There is no charge for depreciation as the buildings are fully depreciated.

COLLECTIONS:

The following is a comparative statement of the Receivable Accounts as of December 31st, 1934, and 1933:

	1934	1933
House Rents Receivable	\$ 292.35	\$ 298.15
Land Rents Receivable	1,032.31	1,249.87

We have been unable to reduce the House Rental account due to the slack employment conditions existing in this district. The balance of the Land Rents Receivable account was materially reduced through collections in January, 1935.

UNSETTLED MATTERS:

This pertains to the Chicago and North Western Railway Company's right-of-way matter across the property of this company and a portion of this right-of-way occupied by the Negaunee Oil Company under lease from the Railroad. This has been

reported in detail in previous years and is awaiting decision of the Cleveland office as to disposition.

AMERICAN IRON MINING COMPANY

SALES OF LAND AND TIMBER:

No new sales during the year.

TIMBER PERMITS:

During the year we issued two pulpwood permits, one to Waino Warjonen and the other to William Laakso and the total stumpage collected on these was \$121.11. We also collected \$7.50 for miscellaneous wood permits.

OTHER EARNINGS:

\$31.34 interest was received on outstanding land contracts and timber permits.

LAND CONTRACTS:

The contract held by Leo Verville covering the SW $\frac{1}{4}$  of SE $\frac{1}{4}$ , Section 2-47-31 was surrendered as he was unable to make any payments.

ACCOUNTS RECEIVABLE:

The accompanying statement shows the conditions of the various outstanding land contracts and timber permits.

THE CLIFFS POWER AND LIGHT CO.

REAL ESTATE SALES:

The only sale made during the year was the right-of-way to the State of Michigan across Lots 1 and 2, Section 18-46-29, for a consideration of \$443.00.

LAND RENTALS:

The total earnings amounted to \$258.38, showing an increase of \$9.13 over the previous year due principally to the Power Company taking over the leases of boathouse sites at Michigamme which property was turned over to it by William G. Mather.

OTHER EARNINGS:

\$3.63 interest was received on the Waino and Nick Willig Land Contract. \$11.38 was collected for timber and soil trespass and we also received \$26.65 taxes from land leases which were credited as a miscellaneous earning.

NEW LEASES:

In addition to the leases covering the property at Michigamme, the Power Co.

also joined with The Cleveland-Cliffs Iron Company in a pipe line lease to the City of Negaunee across a portion of the  $N\frac{1}{2}$  of  $NE\frac{1}{4}$ , Section 33-48-26 for a nominal rental of \$1.00 per year. The lease to Clinton C. Peterson covering a lot in the Deer Lake Location was surrendered and a new lease issued to John F. Davis.

COLLECTIONS:

The uncollected balance of rentals at the end of the year was \$429.06 and is due almost entirely on parcels at Republic. The employment conditions in that locality continue very limited and it is very difficult to make collections.

SUPERIOR REALTY COMPANY

On November 15th, 1934, The Cleveland-Cliffs Iron Company deeded 142,742.56 acres to this company.

SALES:

The only sale made during the year was to G. Sherman Collins covering the  $SE\frac{1}{4}$  of  $SW\frac{1}{4}$ , Section 13, and the  $N\frac{1}{2}$  of  $NW\frac{1}{4}$ , Section 24-47-22, for a consideration of \$725.00 cash.

AJE:MD-3.  
3/2/35.



ACCOUNTS RECEIVABLE DECEMBER 31, 1934.

	<u>ROOM</u>	<u>MEALS</u>	<u>CIGARS</u>	<u>TAX</u>	<u>TOTAL</u>
Arthur Anderson	\$ 7.50	5.00		.60	\$ 13.10
Lucy Black	7.75	22.85		.69	31.29
Alton Brubaker	15.00	23.50		.70	39.20
John Bush		.50		.02	.52
Episcopal Church	6.50	3.50		.10	10.10
Mrs. B. Farrell	28.00	43.00		1.29	72.29
F. E. Greenwood		15.25		.46	15.71
H. C. Heine, Jr.	5.00	7.70		.23	12.93
Margaret Johnston	7.75	23.90		.72	32.37
E. C. McNulty		8.50		.26	8.76
Michigan Gas & Electric Company	1.25	.50		.02	1.77
W. A. Munro		1.80		.05	1.85
Munising Paper Company	22.50	32.68	.60	5.01	60.79
Republican Committee	2.50	.50		.02	3.02
Rotary Club		12.60		.38	12.98
Dr. L. B. Ruggles		18.20		.55	18.75
Lieut. Sanborn	16.73	59.85	.15	1.80	78.53
A. K. Seaman	6.75	26.20		1.00	33.95
Ray Sundberg	7.50	38.25		1.15	46.90
A. M. Gilbert		.85		.04	.89
Frank Bishop		4.60		.10	4.70
Isabel Ormerod	15.00	20.80		.62	36.42
Gerald Aken			2.18		2.18
George Farr			5.00		5.00
Raymond Dixon			2.40		2.40
	<u>\$149.73</u>	<u>370.53</u>	<u>10.33</u>	<u>15.81</u>	<u>546.40</u>

SUPPLY INVENTORIES DECEMBER 31, 1934.

Meal Supplies	\$536.53
Room Supplies	91.78
Repair to Fixtures	32.58
Repair to Building	27.00
Heat, Light & Water (Fuel)	46.50
Cigarettes, Tobacco & Gum	<u>41.22</u>

Total Supplies \$775.61

LED:CN:6  
CN-2



ACCOUNTS PAYABLE DECEMBER 31, 1934.

Cudahy Brothers Company	\$ 28.45
The Cleveland-Cliffs Iron Company	60.60
Cohodas Brothers Company	17.86
Clark Host Company	7.54
Carpenter Cook Company	53.44
City of Munising	59.93
Duro Test Company	10.50
F. C. Huyck and Sons	34.05
Robert A. Johnston Company	4.90
A. A. Loehr	35.00
Munising Press	41.80
Kelly Hardware Company	25.03
W. F. McLaughlin	27.75
U. S. Sanitary Specialty Company	58.68
Hankin and Company	39.18
Munising Hardware	76.33
Cowell Hardware	50.96
Maurice Heuman	15.00
Steele Wedeles Company	45.50
O. A. Shampine	10.43
Armour and Company	15.95
Chalmers and Burns	5.93
Delta Hardware	7.79
Reid Murdock and Company	45.49
Northern Dairy	12.97
Tapert Specialty Company	4.11
Walters Cash Grocery	3.27
Belfry's Market	<u>3.66</u>

\$802.10

CLASSIFICATION

Meal Supplies	\$308.44
Room Supplies	59.28
Repairs to Fixtures	102.34
Repairs to Building	187.32
Printing and Stationery	56.80
Heat, Light and Water	59.93
Cigarettes and Gum	<u>27.99</u>

\$802.10

LED:CN:6.  
2/14/35.  
CN-2.

THE CLEVELAND - CLIFFS IRON COMPANY

LAND DEPARTMENT

WOOD PERMITS ISSUED BY COUNTY FOR RELIEF FUEL WOOD TO RESIDENTS OF  
MARQUETTE COUNTY, STUMPAGE BEING DONATED BY COMPANY AS FOLLOWS

<u>DESCRIPTION</u>	<u>HARDWOOD CORDS</u>
<u>Ishpeming Residents</u>	
NE $\frac{1}{4}$ of NW $\frac{1}{4}$ , Sec. 21-48-27	
SE $\frac{1}{4}$ of SW $\frac{1}{4}$ , " 16-48-27	
SW $\frac{1}{4}$ of SE $\frac{1}{4}$ , " 16-48-27	
NW $\frac{1}{4}$ of NW $\frac{1}{4}$ , " 21-48-27	
S $\frac{1}{2}$ of SE $\frac{1}{4}$ , " 24-47-27	
SW $\frac{1}{2}$ of SW $\frac{1}{4}$ , " 19-47-26	523.50
<u>Negaunee Residents</u>	
Section 21-47-26	200.00
<u>Palmer Residents</u>	
Section 21-47-26	318.50
<u>Diorite Residents</u>	
SE $\frac{1}{4}$ of SE $\frac{1}{4}$ , Sec. 34-48-28	129.00
TOTAL	1,171.00

LED: MD-2.  
3/5/35.

June 30, 1934.

Cleveland-Cliffs Iron Company,  
Cliffs Light and Power Company,  
Negaunee, Michigan.

Gentlemen:

Due to cold and stormy weather in January and February, we were unable to do much prospecting. Since March we have concentrated our work on a vein in the NW $\frac{1}{4}$  of SW $\frac{1}{4}$  of Sec. 30, Town 48 R. 28 W.

This vein strikes East of South and West of North with an estimate dip of 65 to 70° to the Southwest. The vein varies in width from 2 ft. to 6 ft. with an average of about 3 $\frac{1}{2}$  ft. This vein has been uncovered for a distance of 60 ft. To the Northwest the vein dips under wet low land. We attempted to go down with a prospect shaft, got down 6 ft. and had to give up digging and continued on to the ledge with sand pipe. We did some panning through gravel, found a good deal of concentrate and very fine colors of gold. The chips from the ledge we got up with sand pump were green stone which is also foot and hanging of the vein. At present we are sinking a 4 ft. by 4 ft. shaft in a narrow part of the vein. We hope to get down 6 to 8 ft. in this shaft by hand drilling.

Our sampling on this vein has been principally selective although we have tried to take some general samples. The assays vary considerably but never the less very interesting and encouraging.

The various samples we have taken for fire assay, our recovery as follows:

Heavy oxidized part of vein about 15 ft. from West end of Trench.  
Gold 3.00 oz., Silver 7 oz.  
East end of trench,  
Gold .11 oz., Silver .73 oz.  
Selected what appeared to have very little mineral at wide part of vein,  
Gold .06 oz., Silver .21 oz.  
Heavy mineralized portion of vein,  
Gold 3.00 oz.  
Quartz in prospect hole about 5 ft. deep in vein,  
Gold .90 oz., Silver 1.10 oz.  
Coarse grained pyritis near East end of trench.  
Gold 2.50 oz., Silver .75 oz.  
Fine grained pyrite 20 ft. from West end of trench.  
Gold 7 oz., Silver 13 oz.  
Coarse grained pyrite and quartz 40 ft. from West end of trench,  
Gold 1.34 oz., Silver 5.66 oz.  
Oxidized quartz with pyrites 30 ft. from West end of trench,  
Gold 1.75 oz., Silver 12.25 oz.

In portions of this vein the pyrite seams are over two inches wide and appear to follow the dip of the vein. In the West end of trench where considerable oxidation appears to have taken place we have recovered free gold by panning without crushing the ore. We have other prospect trenches and also a vein about 10 inches wide, 300 ft. South of the large vein. This vein strikes NE and SW. One sample from this vein our assay .06 in gold.

From a preliminary survey on parcels of land in lease we find that the large vein where we have trenched is approximately 700 ft. from West line of Sec. 30 and 100 ft. South of NW $\frac{1}{4}$  South line.

Respectfully yours,  
Lundin and Bjork

By: Frank W. Lundin.

COPY COPY HW-2  
EN-4 3/8/35

THE CLEVELAND-CLIFFS IRON CO.

Inter-Office Letter

MINING DEPARTMENT

Subject: LUNDIN & BJORK GOLD LEASE

Reference:

August 23rd, 1934

Mr. J. M. Bush, Land Agent  
Negaunee, Michigan

Dear Sir:-

I have read over the report of Messrs. Lundin & Bjork of June 30th, which was sent to you. This covers the activities by Messrs. Lundin & Bjork under the conditions of the lease from the Cleveland-Cliffs Iron Company to them of the lands in the vicinity of the Ropes Gold Mine in 47-28.

Last week Thursday, August 16th, Mr. McClure and I went over the property under lease from us with Messrs. Lundin and Bjork and examined the results of their activities during the six months period from January 1st to June 30th, inclusive, as set forth in their report to you. We found the prospect trenches and other work covered by the report to be accurately stated. In addition to this, a considerable amount of work was necessary in the construction of a road about a mile long over rough country to the 60' trench located in the NW $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Section 30. This road followed approximately the line of an old road from the Ropes property to North Greenwood and over a part of it, it was only necessary to brush out the undergrowth. In other places, however, corduroy was necessary and several small bridges, all of which have been covered with soil. During the time we were on the property, we did not see any work going on or any workmen. I have been told by outside parties that two men are being employed three days per week. The other three days they work on one of the PWA projects. However, I presume Mr. Lundin does considerable work himself and possibly his boy. Also, the surveying that has been done on the property would presumably constitute legitimate assessment or prospecting work within the terms of the lease.

Before going to Section 30 trench, we were shown a new trench 18' long north and south, crossing several narrow quartz stringers, located about 300' west and a little north of the Curry shaft on the Ropes property. I collected several small pieces from this trench but

Mr. Bush

8-23-34

would not consider them representative, as careful sampling requires considerable work. I had these pieces assayed, however, by the School of Mines at Houghton, and they contain .09 oz. of silver and .01 oz. of gold, or a total value of 41¢ per ton. I collected several pieces across the vein at the east end of the 60' trench in the NW $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Section 30, mentioned above, where the vein was about 3' wide. This sample assayed .14 oz. of silver and .072 oz. of gold, or a total value of \$2.61 per ton with silver figured at 64 $\frac{1}{2}$ ¢ per oz. and gold at \$35.00 per oz. On the same basis, some pieces of richer and more mineralized material near the hanging wall contact on the south side of this vein, assayed .57 oz. of silver and .18 oz. of gold, or a total value of \$6.67 per ton. This sample, however, was quite selective because I desired to know just how rich the better mineralized portion of the veins are along this contact. This richer mineralization is only a few inches wide at the widest point. About 20' north and 40' east of this Section 30 trench, a 3' vein has been uncovered and a shallow shaft sunk in it. A piece collected from this vein assayed nothing in silver and .01 oz. of gold, or a value of 35¢ per ton.

You will note in the report from Lundin & Bjork their assays were very much higher than the ones enumerated above. This is entirely explainable if we consider that the assays in their report were highly selective, as no doubt they were. On the other hand, I did not consider the samples that I collected to be a fair estimate of the veins but merely took pieces that could be conveniently broken off to get a general idea of the formation. As mentioned above, in order to fairly sample these quartz bearing gold veins, it would be necessary to clean off a face and prepare a smooth plane from which a careful channel sample could be taken, requiring considerable time and the service of from two to three men. The object of my visit was not to do this, of course, on account of the expense involved and relative unimportance of results at this stage of development. So far as anything that has been uncovered to date is concerned, the values are very irregular as evidenced by the spotty sulphide mineralization. I have no doubt by careful selection one might collect specimens that would assay several hundred dollars per ton in gold but I believe the general average of the veins exposed to date, or at least those parts of the veins exposed to date, will assay too low to support a paying mining activity. They do, however, indicate the possibility of something decidedly better. There are undoubtedly many such occurrences on this property that have not been exposed, also we do not know the conditions that may exist with depth.

Yours very truly

E. L. Derby, Jr.

Geologist

ELD:DP  
CC-S.R.E.

COPY HW-5

Ishpeming, Mich.  
Dec. 31 - 1934

C. C. Iron Co.  
C. C. Light & Power Co.  
Negaunee, Mich.

Gentlemen:-

Reporting on work done on lands leased from your Company.

We have a road to the NW $\frac{1}{4}$  of SW $\frac{1}{4}$  of Sec. 30. This road is passable with automobile at favorable seasons. There has been no traffic over this road since the heavier snows. We use the foot path to get to and from the property.

Our work since last report consists of road making, trenching, cutting, clearing and burning brush adjoining the large Quartz vein.

We have also made a number of trenches on various places on the NW $\frac{1}{4}$  of SW $\frac{1}{4}$  of Sec. 30.

We have a partial completed map of Sec. 30 which we will deliver to your Geological Department.

We have marked with pencil the approximate location of small veins encountered in our trenching.

We did not make many tests for gold values from any of these small veins. Those we did assay did not show any pay values.

For the past two weeks we have been clearing away the overburden on the large vein at a point about 60 feet from the west end of trench.

Our present plans are to sink a prospect shaft at this point.

As you know the Calumet & Hecla Mining Co. have become interested in this property to the extent of taking an option on certain interests in our lease.

We are continuing on with this work on the large Quartz vein and hope to establish something definite regarding gold values in this vein.

Sincerely yours,

Lundin & Bjork

by Frank W. Lundin

CN-5.

MINING DEPARTMENT

February 11th, 1935

Subject: LUNDIN & BJORK GOLD LEASE

Mr. J. M. Bush, Land Agent  
Negaunee, Michigan

Dear Sir:-

I have read over the Lundin & Bjork report of December 31, 1934, covering the work on their lease from this Company for the six months period from July 1st to December 31st, copy of which you sent to Mr. Elliott with your letter of January 11th. Last Thursday afternoon, February 7th, I visited this lease and walked around the property with Mr. Lundin.

It is quite apparent that the work done on this lease since my last visit there in August, 1934, constitutes the minimum requirement under the terms of the lease. As stated in the Lundin & Bjork report, they dug several small trenches in the SW $\frac{1}{4}$  of the NW $\frac{1}{4}$  of Section 30, 48-27. Also one or two other small trenches in the NW $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Section 30. It was stated that a number of small veins were encountered in this trenching. Of course the ground is now covered by from three to four feet of snow and I was unable to see these veins, although the outlines of the trenches were visible.

The principal work, aside from the completion of the road which was under construction when I was there in August, has been in a trench approximately 60' long, located in the north central portion of the NW $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Section 30. The trench itself is about in the same condition as when I visited it in August. At that time they had begun to sink a small shaft at the west end but soon discontinued this on account of the flow of surface water from the hillside to the south. The ground in this trench rises considerably to the east and they are now engaged in sinking an exploration shaft from the east end of this trench, or from higher ground, hoping thereby to eliminate all or most of the water troubles. Before starting the shaft, the soil in the vicinity of the trench, which varies from 1 to 3 feet in depth, had to be cleared away from the edges of the trench. At my visit I saw two men working in this shaft which had reached a depth of from 4 $\frac{1}{2}$  to 5'. The shaft was about 5' square and was being sunk on a quartz vein which had a width nearly that of the shaft itself, or about 5'. Both contacts of the vein were exposed and the dip is steeply to the south. Mineralization, in the form of sulphides, principally pyrite, appeared to extend pretty generally through the vein but there seemed to be a concentration of this mineralization in seams along, and approximately parallel with, the south contact. Material from the shaft is being stocked nearby and as soon as the break-up is over, will be loaded out on trucks and taken to the Calumet & Hecla experimental mill at Calumet.

On my way to visit this exploration, I stopped at the Ropes shaft, where much activity is in evidence. Several small temporary buildings have been erected, including one over the collar of the shaft itself. The water had been pumped down in the mine to a depth of 200' from the collar the day I was there and from what I could see, the work of reclaiming the shaft was being done in a thorough and workmanlike manner. The ground is stoped out almost to the shaft on both east and west sides as far down as it has been pumped out and with the exception of one or two short

Mr. Bush

-2-

2-11-35

stub drifts on the way down, no opportunity has yet been encountered to walk in from the shaft. It is anticipated within the next 100 or 200' they will encounter one or two of the old levels where the floors have been left in so an examination can be made of the territory some distance east and west of the shaft. About 43 or 44 men are now on the Calumet & Hecla payroll at this property, including the three men employed on the Bjork & Lundin lease in Section 30. One man is employed five days per week and the other two are staggered so two men are on the job at least five days per week. I was told the Calumet & Hecla people, under the terms of their option covering the lease on this company's properties, are paying the wages of the three men employed in Section 30 and of course have assumed the tax obligation.

Yours very truly

E. L. Derby, Jr.

Geologist

ELD:DP  
CC-S.R.E.  
COPY-CN-5



THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

REAL ESTATE SALES RECEIVABLE - DECEMBER 31, 1934

CONV. NO.	PURCHASER	DATE OF SALE	CONSIDERATION	TERMS	DATE OF LAST PAYMENT	BALANCE DUE			TAXES	INTEREST PAID TO	REMARKS
						PRINCIPAL	TAXES	TOTAL			
3753	Fayette Land Co.	July 1, 1921	\$ 6,500.00	\$1500.00 Cash - Balance in 5 years	Feb. 8, 1932	\$2,550.00	\$349.81	\$3,899.81	Taxes 1932-3-4	1/1/30	This property to be turned over by stockholders of Fayette Company to Fred VanRemortel who has promised to negotiate loan to clean up balance as soon as a part of the stock held in a closed bank is released. Are keeping after this account.
3790	Clifford LeClair	Aug. 13, 1921	125.00	\$25.00 Cash - Balance in 2 years	June 12, 1930	21.69		21.69		6/16/30	Does not reply to letters. Will make personal visit.
3963	Charles Uren	Sept. 6, 1922	550.00	\$300.00 Cash - Balance in 5 years	Feb. 1, 1930	100.00	35.51	135.51	Taxes 1930-1-2-3-4	About 4/1/33	We called on him several times again this year. Supervisor of Crystal Falls Township. Stated that he wants to keep this land and promised to clean up the entire balance before the end of 1934 but failed to do so.
4049	Peter G. Petersen	June 9, 1923	680.00	\$220.00 Cash - Balance in 5 years	June 30, 1926	276.00	100.85	376.85	Taxes 1926-7-8-9-1930-1-2-3-4	6/9/28	This man disappeared. Endeavoring to have his brothers clean up this contract and believe this will be done as soon as business conditions improve.
4064	Charles R. Little	Aug. 10, 1923	380.00	\$80.00 Cash - Balance in 5 years	Jan. 28, 1926	240.00	89.37	329.37	Taxes 1926-7-8-9-1930-1-2-3-4	About 4/1/28	No further payments in 1934. Little states he wants to keep the property but apparently wants to pay only a portion of the balance due. He is responsible and should pay this account.
4145	Elmer Alcock	May 24, 1924	280.00	\$60.00 Cash - Balance in 5 years	July 26, 1934	140.69	52.51	193.20	Taxes 1929-1930-1-2-3	About 12/24/29	Made payment of \$25.00 in Aug. 1934, and promised to make further payments as soon as possible.
4256	Frank Laroux	Sept. 5, 1925	360.00	\$90.00 Cash - Balance in 5 years	Mar. 9, 1921	106.99	60.73	167.72	Taxes 1929-1930-1-2-3-4	9/15/29	No payment in 1934. Wants to keep land and has promised to resume payments as soon as he is able.
4265	Will Erickson	Sept. 26, 1925	540.00	\$400.00 Cash - Balance in 2 years	Sept. 26, 1925	140.00	120.06	260.06	Taxes 1925-6-7-8-9-1930-1-2-3-4	None Paid	Land abandoned. Does not reply to letters. Will follow up by personal visit and endeavor to get release.
4336	Sammel Hakala	June 1, 1926	380.00	\$90.00 Cash - Balance in 5 years	Feb. 1, 1934	100.00	3.29	103.29	Taxes 1934	2/1/33	Is keeping up his taxes. Responsible farmer and will pay up as soon as conditions improve.
4381	Gerrie Ellis	Feb. 5, 1927	360.00	\$60.00 Cash - Balance in 5 years	May 24, 1932	240.00	17.47	257.47	Taxes 1932-3-4	About 3/1/30	Has large family. No payments in 1934. Wants to keep land and if conditions improve, may complete payment.
4391	Jacob Hakola	Apr. 1, 1927	400.00	\$75.00 Cash - Balance in 5 years	Jan. 22, 1934	150.00	3.29	153.29	Taxes 1934	4/1/31	Is keeping up his taxes and will make further payments as soon as he is able. Crop conditions poor for the last few years.
4396	Sam Keskinaki	Apr. 12, 1927	420.00	\$80.00 Cash - Balance in 5 years	Jan. 24, 1934	136.00	3.29	139.29	Taxes 1934	4/12/31	Same as above.
4400	Mitchell St. Martin	Apr. 29, 1927	600.00	\$100.00 Cash - Balance in 5 years	Feb. 23, 1934	42.42	2.65	45.07	Taxes 1934	10/29/32	Makes small remittances from time to time and we expect will be paid up in 1933.
4419	John H. Saminen	July 5, 1927	400.00	\$150.00 Cash-\$100.00 1/15/28-Bal. in 5 years.	Apr. 30, 1934	120.00	1.97	121.97	Taxes 1934	3/5/28	Paid the 1929 to 1933 taxes during the year and we expect he will clean up this contract as soon as possible. Good substantial farmer with large family. Sickness and death in family during the year.
4429	Richard Harcourt	Aug. 16, 1927	1,000.00	\$200.00 Cash - Balance in 4 years	Jan. 17, 1929	600.00	26.87	626.87	Taxes 1933-4	6/18/28	This man died May 14, 1929. The Estate has been attempting to dispose of the property but without success. May have to secure release.
4499	Leonard Johnson	June 2, 1928	1,300.00	\$500.00 Cash - Balance in 4 years	Oct. 3, 1933	169.65	30.74	200.39	Taxes 1933-4	10/2/33	There is still some timber to come off this land and Johnson claims as soon as he can find a market for it will clean up this account.

REAL ESTATE SALES RECEIVABLE - DECEMBER 31, 1934

SHEET NO. 2.

CONV. NO.	PURCHASER	DATE OF SALE	CONSIDERATION	TERMS	DATE OF LAST PAYMENT	BALANCE DUE			INTEREST PAID TO	REMARKS	
						PRINCIPAL	TAXES	TOTAL			
4501	Aug. Lehtinen	June 7, 1928	\$ 280.00	\$100.00 Cash - Balance in 4 years	Jan. 24, 1934	\$ 15.00	\$ 6.20	\$ 21.20	Taxes 1934	6/7/31	Lehtinen died August 11, 1929. We will endeavor to get this small balance paid in 1935.
4528	Wm. Benzling & wife	Oct. 1, 1928	1,500.00	\$25.00 Cash - Balance @ 20.00 per mo.	Oct. 1932	985.86	52.70 13.52	1,038.58	Taxes 1932-3-4 Ins. Prem. to 4/7/35	11/15/30	Unemployed for about 2 years. Has made considerable improvements so that the account is well secured by the property. Are endeavoring to help him secure a Federal Farm Loan.
4539	Nels Abramson	Nov. 24, 1928	400.00	\$100.00 Cash-\$100.00 5/24/29-Bal. in 4 years.	Jan. 29, 1934	50.00	6.20	56.20	Taxes 1934	7/28/33	Taxes being paid and expect balance of the contract will be taken care of in 1935. Old couple.
4563	Jack Salminen	Feb. 14, 1929	320.00	\$30.00 Cash-\$120.00 3/14/29-Bal. in 4 years.	Jan. 10, 1931	127.50	42.15	169.65	Taxes 1931-2-3-4	2/14/30	Good substantial farmer and believe as soon as crop conditions are favorable, he will make further payments on this account.
4584	Henry Craig	May 29, 1929	200.00	\$50.00 Cash-Balance in 3 years	Feb. 15, 1930	150.00	20.16	170.16	Taxes 1930-1-2-3-4	About 6/29/29	No payments in 1934. Claims he cannot get employment but has promised to make further payments as soon as business conditions improve.
4609	Joe Shegar	Sept. 3, 1929	280.00	\$56.00 Cash-Bal. in 5 years	Dec. 4, 1933	44.80	1.79	46.59	Taxes 1934	9/3/33	Has made application for Federal Farm Loan which we are advised will be granted soon. Expect payment will be made in 1935.
4626	Stanley Warchock	Oct. 29, 1929	400.00	\$100.00 Cash-Balance in 3 years	Nov. 18, 1930	200.00	48.33	248.33	Taxes 1930-1-2-3-4	10/29/30	Couple has separated. Talked to Mrs. Warchock who desires to make some arrangement to complete contract if she is assured her husband will not get any interest. This will be disposed of in 1935.
4641	Andrew Erickson	Nov. 29, 1929	500.00	\$300.00 Cash-Balance in 4 years	Oct. 23, 1931	200.00	19.66	219.66	Taxes 1931-2-3-4	None Paid	Good substantial farmer. He should pay this account and will probably do so if pressure is brought.
4665	Max Knaus	Apr. 1, 1930	420.00	\$100.00 Cash-Balance in 5 years	Jan. 16, 1934	286.00		286.00		4/1/31	Paid in full on January 5, 1935.
4668	Oscar R. Johnson	Apr. 23, 1930	800.00	\$160.00 Cash - Balance in 5 years	Oct. 24, 1934	62.00	6.59	68.59	Taxes 1934	10/23/33	Up-to-date.
4679	Sture Johnson & C. Elmer Johnson	June 23, 1930	1,400.00	\$280.00 Cash - Balance in 5 years	Aug. 31, 1932	920.00	182.53	1,102.53	Taxes 1930-1-2-3-4	About 11/1/30	These people own large dairy farm and are using lands covered by this contract for pasture purposes. They have fenced it and are gradually improving it. Hard hit by crop conditions for past 3 years. Expect payment will be made as soon as conditions improve.
4695	G. M. Evans	Apr. 6, 1931	1,800.00	\$300.00 Cash - Balance in 5 years	Dec. 3, 1934	1,296.00	1.32	1,297.32	Taxes 1934	11/6/33	Credits of \$205.00 on this account in 1934. Was handicapped to a certain extent by highway being closed for entire summer. With improved business conditions expect further payments to be made on this account.
4906	Fred W. Frei	June 20, 1931	450.00	\$50.00 Cash - Balance in 4 years	Oct. 18, 1934	87.50	2.46	89.96	Taxes 1934	10/20/34	Up-to-date.
4935	Armour G. Saari	Oct. 6, 1931	900.00	\$100.00 Cash - Balance in 5 years	July 21, 1933	620.47	14.18	634.65	Taxes 1933-4	7/8/33	No payments in 1934. Called in Dec. and said he is endeavoring to get Farm Loan. Has made considerable improvements.
4944	Paul Knutson	Oct. 26, 1931	220.00	\$50.00 Cash - Bal. in 4 years	June 16, 1932	95.00	24.96	119.96	Taxes 2nd half 1931-2-3	None Paid	Paid in full January 2, 1935.
4949	Charles Laurich	Nov. 6, 1931	320.00	\$50.00 Cash - Bal. in 4 years	Nov. 17, 1934	67.50	1.97	69.47	Taxes 1934	11/6/34	Up-to-date.
5002	United States of America	Apr. 1, 1932	2,314.25	Cash	Aug. 20, 1934	1,369.10		1,369.10			Paid in full February 14, 1935.
5034	Archie Rotvin	May 2, 1932	800.00	\$100.00 Cash - bal. in 5 years	Mar. 23, 1934	420.00	9.75	429.75	Taxes 1934	3/28/34	Up-to-date.
5050	Otto Laane	Aug. 12, 1932	242.88	\$24.98 cash - Bal. in 5 years	Jan. 23, 1934	128.00	3.29	131.29	Taxes 1934	3/23/33	Is keeping up taxes. Expect further payments with better crop conditions.
5056	Francis T. Pittsley	Sept. 7, 1932	750.00	\$50.00 Cash-\$50.00 2/7/32-Bal. in 6 years	Oct. 3, 1934	448.79	6.59	455.38	Taxes 1934	10/7/34	Small portion of payment due Sept. 7, 1934, unpaid. Expect this will be taken care of in 1935.

REAL ESTATE SALES RECEIVABLE - DECEMBER 31, 1934.

SHEET NO. 3.

CONV. NO.	PURCHASER	DATE OF SALE	CONSIDERATION	TERMS	DATE OF LAST PAYMENT	BALANCE DUE			Taxes	INTEREST PAID TO	REMARKS
						PRINCIPAL	TAXES	TOTAL			
5123	John Lehtimaki	Oct. 20, 1932	\$ 250.00	\$75.00 Cash - Balance in 5 years	Jan. 31, 1934	\$ 220.00	\$ 3.29	\$ 223.29	Taxes 1934	None Paid	Paid \$55.00 and 1933 taxes during year and expect further payments will be made in 1935.
5173	H. B. Ball, et al	Dec. 13, 1932	1,000.00	\$200.00 8/1/33-Bal. in 4 years	Dec. 17, 1932	999.00	23.91	1,022.91	Taxes 1933-4	do.	No payments made. Called on him in October. Claims with better resort business in 1933, he will be in position to make substantial payment on this contract.
5228	C. D. Strom & Wife	Mar. 3, 1933	350.00	\$50.00 Cash - Bal. in 5 years	June 1, 1934	140.00	6.20	146.20	Taxes 1934	6/1/34	Up-to-date
5245	Andrew J. & Marie C. Yungbluth	May 1, 1933	700.00	\$100.00 Cash - Bal. in 6 years	July 3, 1934	600.00		600.00		5/1/34	Up-to-date.
5251	Eric & Lillian P. Hakanen	May 15, 1933	650.00	\$100.00 Cash - Bal. in 5 years	May 16, 1934	440.00	6.59	446.59	Taxes 1934	5/15/34	Up-to-date.
5252	Frank & Lydia Raahonen	May 19, 1933	320.00	\$50.00 Cash - Bal. in 5 years	May 23, 1934	240.00	5.88	245.88	Taxes 1933-4	None Paid	Desires to give up this parcel. We have new purchaser and will undoubtedly get this straightened out in 1935.
5327	Steve Slambo	Sept. 25, 1933	300.00	\$50.00 Cash - Bal. in 4 years	Oct. 29, 1934	150.00	5.87	155.87	Taxes 1934	9/25/34	Up-to-date.
5350	State of Michigan	Nov. 1, 1933	815.44	Cash		815.44		815.44			Have had this up several times with Highway Dept. and expect that payment will be received early in 1935.
5400	Mike Koski	Feb. 6, 1934	200.00	\$50.00 Cash - Bal. in 3 years	Feb. 7, 1934	150.00	1.97	151.97	Taxes 1934	New	Up-to-date.
5419	Wm. Hill	Mar. 15, 1934	240.00	\$15.00 Cash - Bal. \$5.00 monthly	June 1, 1934	215.00	3.29	218.29	Taxes 1934	New	Has paid \$25.00 on this contract. Has built small home and is gradually improving the property. Expect further payments from time to time.
5422	James H. Cook	Mar. 20, 1934	325.00	\$65.00 Cash - Bal. in 4 years	Mar. 20, 1934	260.00	6.23	266.23	Taxes 1934	New	Up-to-date.
5426	United States of America	Apr. 4, 1934	290.00	Cash		290.00		290.00			Defect in title to part of lands included in this sale. Expect this will be straightened out and payment made in 1935.
5427	Orval Alexander	Apr. 11, 1934	75.00	\$25.00 Cash - Bal. in 2 years	Oct. 29, 1934	48.25	.76	49.01	Taxes 1934	New	Up-to-date
5454	United States of America	May 19, 1934	12,686.58	Cash		12,686.58		12,686.58			Government checking title. Number of small discrepancies which are being remedied. Payment should be made in 1935.
5496	City of Manistig	July 12, 1934	2,907.50	Cash		2,907.50		2,907.50			City has promised payment of this account about Mar. 1, 1935.
5519	Russell J. Wolfe	Sept. 4, 1934	325.00	\$125.00 Cash. Balance in 2 years	Sept. 5, 1934	200.00	9.95	209.95	Taxes 1934	New	Up-to-date.
5521	Michigan Role & Tie Co.	Sept. 6, 1934	20,000.00	\$10,000.00 Cash. Bal. Jan. 1, 1935	Oct. 10, 1934	10,000.00	80.40	10,080.40	Taxes 1934	New	Balance paid in full January 2, 1935.
5528	Dominick Koleda	Sept. 10, 1934	75.00	\$40.00 Cash - Balance Sept. 10, 1935	Sept. 10, 1934	35.00	2.47	37.47	Taxes 1934	New	Up-to-date.
5536	Cliffs Power and Light Co.	Sept. 27, 1934	1.00	Cash		1.00		1.00			No remarks.
5546	John Powers	Oct. 25, 1934	10.00	Cash		10.00		10.00			Expect this will be cleaned up early in 1935.
5549	Orville Revord	Nov. 1, 1934	500.00	\$25.00 Cash - Bal. \$5.00 on 1st day of Dec. - Jan. - Feb. - Mar. - Apr. - & May and \$10.00 on 1st day of June, July, Aug., Sept., Oct. & Nov. in each year until paid.	Dec. 17, 1934	470.00	.43	470.43	Taxes 1934	12/1/34	Up-to-date.
5550	United States of America	Nov. 3, 1934	1.00	Cash		1.00		1.00			Paid in 1935.
5563	Tom Lawless	Nov. 20, 1934	360.00	\$60.00 Cash - Balance in 5 years	Nov. 20, 1934	300.00	.42	300.42	Taxes 1934	New	Up-to-date

REAL ESTATES SALES RECEIVABLE - DECEMBER 31, 1934.

SHEET NO. 4.

CONV. NO.	PURCHASER	DATE OF SALE	CONSIDERATION	TERMS	DATE OF LAST PAYMENT	BALANCE DUE			INTEREST PAID TO	REMARKS
						PRINCIPAL	TAXES	TOTAL		
5577	United States of America	Dec. 13, 1934	\$ 600.00	Cash		\$ 600.00		\$ 600.00		Title being examined. Expect this will be paid in 1935.
5583	Heiman G. Roth	Dec. 24, 1934	120.00	Cash		120.00		120.00		Has promised to pay this by May 1, 1935, with interest at 7% from date deed was delivered to the Soc Savings Bank.
TOTAL - THE CLEVELAND-CLIFFS IRON COMPANY						44,455.73	1,542.40	45,998.13		
<u>WM. G. MATHER ACCOUNTS:</u>										
3597	Paul W. Kirchmeier	Apr. 20, 1920	55,000.00	\$27,500.00 Cash - Balance in 13 notes		-	343.38	343.38	Taxes 1934	Taxes paid in January 1935.
4404	John Heino	May 10, 1927	320.00	\$65.00 Cash - Balance in 5 years		255.00	72.35	327.35	Taxes 1923-9-1930-1-2-3-4	5/10/28 } These men will not make any response to our letters and it will be necessary to make a personal call in order to arrange some disposition of these contracts.
4405	Anselm Oja	May 10, 1927	300.00	\$60.00 Cash - Balance in 5 years		240.00	82.13	322.13	Taxes 1927-8-9-1930-1-2-3-4	
5411	State of Michigan	Feb. 21, 1934	1.00	Cash		1.00		1.00		Paid in February, 1935.
5506	City of Ann Arbor	July 25, 1934	1.00	Cash		1.00		1.00		Will be paid in 1935.
TOTAL - WM. G. MATHER						497.00	497.86	994.86		
GRAND TOTAL						\$44,952.73	\$2,040.26	\$46,992.99		

AJE:LED/MD-5.  
2/7/35.

THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

TIMBER SALES RECEIVABLE - DECEMBER 31, 1934.

ORIG. NO.	PURCHASER	DATE OF SALE	CONSIDERATION	TERMS	DATE OF LAST PAYMENT	BALANCE DUE			INTEREST PAID TO	REMARKS
						PRINCIPAL	TAXES	TOTAL		
4446	C. E. Clement & Sons	Oct. 4, 1927	\$ 8,000.00	\$1500.00 Cash-Balance on Oct. 1, 1929	Feb. 23, 1934	-	\$ 87.58	\$ 87.58	Taxes 1934	Taxes paid in January.
4496	Wallace H. Masters	May 28, 1928	2,500.00	\$500.00 Cash - Balance in 3 years	May 8, 1933	\$ 389.65	-	389.65		4/28/33 \$227.10 paid Dec. 28, 1934, covering interest on 1/1/1935, \$86.15 and \$190.95 on principal. Bal. of \$168.70 extended for 60 days.
4519	Brunswick Lumber Company	Aug. 24, 1928	12,000.00	Cash	Feb. 6, 1934	-	.92	.92	Taxes 1934	Taxes paid January 2, 1935.
4526	Ray de Moquet Co.	Oct. 13, 1928	165,000.00	\$40,000.00 Cash - balance 90 days note	Jan. 15, 1934	3,015.48	3,015.48	Taxes 1934		Taxes paid January 9, 1935.
4586	Solomon Wiseman & Aksel Ransuvaara	June 11, 1929	3,000.00	Cash	Jan. 14, 1934	6.64	6.64	Taxes 1934		Taxes paid January 8, 1935.
4594	William Bonifas Lumber Company	July 1, 1929	225,000.00	Cash	Jan. 24, 1934	1,028.17	1,028.17	Taxes 1934		Taxes paid January 8, 1935.
5053	Felix Millimaki	June 11, 1932	500.00	Cash	Jan. 5, 1934	8.83	8.83	Taxes 1934		Taxes paid January 2, 1935.
5065	Ade Wesa	July 18, 1932	300.00	Cash	Jan. 5, 1934	2.84	2.84	Taxes 1934		Taxes paid January 2, 1935.
5068	Toivo Felto	July 21, 1932	125.00	To be deducted from Plywood Deliveries	May 1, 1934	3.98	3.98	Taxes 1934		Payment will be made as soon as he resumes pulpwood shipments
5097	Frank Oberstar	Sept. 1, 1932	400.00	D.	June 20, 1933	20.86	20.86	Taxes 1933		Has refused to pay these taxes, claiming he did not cut the timber although extension was granted with the understanding he would pay them.
5164	Ade Wesa	Dec. 1, 1932	150.00	Cash	Jan. 5, 1934	2.84	2.84	Taxes 1934		Taxes paid January 2, 1935.
5199	Isaac Hamuksela	Dec. 12, 1932	300.00	Cash	Jan. 20, 1934	3.98	3.98	Taxes 1934		Taxes paid January 15, 1935.
5276	John Lehman	June 8, 1933	350.00	Cash	Mar. 8, 1934	4.93	4.93	Taxes 1934		Taxes paid February 20, 1935.
5281	Waino Warjonen	June 15, 1933	300.00	Cash	May 22, 1934	18.79	18.79	Taxes 1934		Expect payment as soon as he receives pulpwood returns.
5287	Thomas Connors	June 26, 1933	275.00	Cash	Jan. 2, 1934	6.85	6.85	Taxes 1934		Taxes paid December 31, 1934.
5288	Lauri Mace, et al	June 28, 1933	175.00	Cash	Jan. 2, 1934	8.19	8.19	Taxes 1934		Taxes paid December 29, 1934.
5345	Bernard L. Koepf	Nov. 3, 1933	250.00	Cash	Feb. 28, 1934	1.82	1.82	Taxes 1934		Will be paid in 1935.
5354	Emil Riiho, J. Ryttonen, & A. Jarvi	Nov. 14, 1933	20,000.00	\$5,000.00 Cash-\$5000.00 Dec. 1, Jan. 1, & Feb. 1, 1934	Feb. 1, 1934	106.31	106.31	Taxes 1934		Taxes paid January 9, 1935.
5492	Ed Sharkey	July 2, 1934	100.00	Cash	July 2, 1934	6.18	6.18	Taxes 1934		Will be paid in 1935.
5512	City of Escanaba	Aug. 21, 1934	350.00	Cash	Aug. 30, 1934	6.08	6.08	Taxes 1934		Taxes paid December 27, 1934.
5515	Clinton Fosterling	Aug. 23, 1934	3,500.00	Cash	Aug. 23, 1934	20.75	20.75	Taxes 1934		Taxes paid January 28, 1935.
5520	Waino Millimaki	Sept. 7, 1934	25.00	Cash	Sept. 10, 1934	5.51	5.51	Taxes 1934		Taxes paid February 28, 1935.
5530	Ed Sharkey	Sept. 1, 1934	400.00	To be deducted from Tie Deliveries	Oct. 1, 1934	98.43	98.43			Deducted by Manning Woodware Co. and remittance received from Cleveland Office in February, 1935.
5539	Matt Viitala	Oct. 4, 1934	125.00	Cash	Oct. 1934	2.74	2.74	Taxes 1934		Taxes paid February 13, 1935.
5543	Isaac Hamuksela	Oct. 15, 1934	200.00	Cash	Oct. 13, 1934	3.88	3.88	Taxes 1934		Taxes paid January 15, 1935.
5569	George Hamuksela	Dec. 3, 1934	225.00	\$200.00 Cash-Balance Feb. 3, 1935	Dec. 3, 1934	225.00	225.00			Paid in full February 3, 1935.
TOTAL						\$ 685.06	\$4,375.95	\$5,059.03		

AS EILED/MD-C.  
3/7/35.

THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

FARM LAND SALES RECEIVABLE - DECEMBER 31, 1934.

CONV. NO.	PURCHASER	DATE OF SALE	CONSIDERATION	TERMS	DATE OF LAST PAYMENT	BALANCE DUE			INTEREST PAID TO	REMARKS	
						PRINCIPAL	TAXES	TOTAL			
3945	Cheever Buckbee	July 15, 1922	\$ 550.00	\$150.00 Cash - Balance in 5 years	Feb. 10, 1926	\$ 240.00	\$126.15	\$366.15	Taxes 1926-7-8-9-1930-1-2-3-4	2/15/26	This man has as yet not been able to dispose of his interest in this contract. Had another inquiry in December and hope to close this in 1935.
4290	Edward Bryant	Dec. 3, 1925	280.00	\$ 60.00 Cash - Balance in 5 years	Dec. 3, 1925	220.00	68.24	288.24	Taxes 1926-7-8-9-1930-1-2-3-4	None Paid	Release which he promised to execute has not been signed. Will have to make personal visit as he does not reply to letters.
4388	John H. & Mary Koskela	Apr. 1, 1927	15,000.00	See Contract	Oct. 1934	15,000.00	90.55	15,090.55	Taxes 1934	8/1/29	\$650.35 was received on this account in 1934. Crops not very good. Suffered from drought and grasshoppers. Expect larger payments when conditions improve.
4440	Joseph Hill	Sept. 10, 1927	1,255.00	\$65.00 Cash - Balance @ \$15.00 per month	Apr. 20, 1931	955.96	90.33	1,046.29	Taxes 1930-1-2-3-4	3/22/30	In poor circumstances. Crop conditions poor. Payment will be slow.
4481	John A. Delle	Jan. 23, 1928	200.00	\$50.00 Cash - Balance in 3 years	Jan. 19, 1929	100.00	55.84	155.84	Taxes 1929-1930-1-2-3-4	1/23/29	Located in Lansing, Mich. Does not reply to our letters. May have to cancel contract.
4555	Thomas H. Fewlass	Feb. 7, 1929	200.00	\$50.00 Cash - Balance in 3 years	Feb. 7, 1934	150.00	1.32	151.32	Taxes 1934	8/27/29	Keeping up his taxes but claims he is unable as yet to make additional payments on principal. Has promised to make further payments as soon as possible.
4669	Gust Tynnismaa	Apr. 16, 1930	360.00	\$72.00 Cash - Balance in 4 years	Apr. 16, 1930	288.00	47.01	335.01	Taxes 1930-1-2-3-4	None Paid	Crop conditions poor for past two or three years. As soon as economic conditions improve expect we will be able to make some settlement of this contract.
4705	Wm. Walkonen	Oct. 3, 1930	240.00	\$48.00 Cash - Balance in 4 years	Jan. 28, 1931	192.00	24.37	216.37	Taxes 1931-2-3-4	None Paid	One of Company's compensation cases. Crop conditions very poor. Expect further payments on improved conditions.
5092	John Mihalic	Aug. 25, 1932	500.00	\$250.00 Cash - Balance in 3 years	Dec. 3, 1934	32.29	3.71	36.00	Taxes 1934	11/25/34	Up-to-date. 1934 taxes paid since close of year.
TOTAL						\$17,528.25	\$507.52	\$17,735.77			

AJE:LED/MD-6.  
3/7/35.

THE CLEVELAND-CLIPPS IRON COMPANY

LAND DEPARTMENT

HOUSE AND LOT SALES RECEIVABLE - DECEMBER 31, 1934.

DOC. NO.	PURCHASER	DATE OF SALE	CONSIDERATION	TERMS	DATE OF LAST PAYMENT	BALANCE DUE			INTEREST PAID TO	REMARKS
						PRINCIPAL	INSURANCE	TOTAL		
517	Gabriel Heldman & Wife	May 1, 1922	\$ 2,169.22	16 Notes of \$20.00 each and 1 note of \$10.64 - payable monthly	Dec. 6, 1934	\$ 106.87		\$106.87	12/1/34	Up-to-date.
556	Harry C. and Hildur A. Olson	Dec. 1, 1922	835.77	36 Notes of \$25.00 each and 1 note of \$14.23 - payable monthly	Oct. 20, 1931	170.33		170.33	6/1/25	Has not had steady employment for a number of years. We are keeping after him but he is a difficult proposition. Do not think advisable to start foreclosure proceedings because of Michigan statutes.
636	Algot and May Matson	Feb. 2, 1925	607.64	32 Notes of \$20.00 each and 1 note of \$20.55 - payable monthly	Apr. 30, 1930	40.25		40.25	9/1/27	Will secure loan from Home Owners' Loan Corporation and expect this will be cleaned up in 1935.
647	Myrtle I. Cummins	Jan. 1, 1925	1,232.48	16 Notes of \$75.00 each and 1 note of \$89.22 - payable monthly	Dec. 1934	672.04		672.04	4/1/31	Hotel business in this case did not materially improve in 1934. We are, however, sending some of our compensation cases to room and board at this place and expect to gradually reduce this account in that way.
684	Albert F. J. Schultz & Wife	Dec. 6, 1926	1,144.36	95 Notes of \$15.00 each and 1 note of \$19.13 - payable monthly	June 25, 1931	582.60	19.50	602.10	5/6/31	Mr. Schultz died November 24th, 1932, and Mrs. Schultz remarried in 1934. January 1st, 1935, arranged new sale of property and are receiving \$15.00 per month.
692	Henry Archambeau	Jan. 1, 1927	1,415.70	87 Notes of \$20.00 each and 1 note of \$11.21 - payable monthly	Dec. 24, 1934	355.84		355.84	10/1/32	Making monthly payments of \$20.00 and interest at the bank and expect this will be paid up within a year or so.
5445	Albert J. and Violet J. Cota		2,300.00	\$20.00 Cash - Balance \$20.00 monthly	Dec. 24, 1934	2,218.98		2,218.98	12/17/34	Up-to-date.
5000	Henry Aho	Apr. 1, 1932	780.00	\$10.00 Cash - Balance \$10.00 monthly	Dec. 1934	723.34		723.34	1/1/35	Cliffs Shaft employee. Earnings at 2 days per week will not permit payments on this contract. Good reliable man and expect this will be eventually paid.
TOTAL						\$4,870.15	19.50	4,889.65		

AJE. LED-CN-6.  
3/8/35.

THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

LOT SALES RECEIVABLE - DECEMBER 31, 1934.

CONV. NO.	PURCHASER	DATE OF SALE	CONSIDERATION	TERMS	DATE OF LAST PAYMENT	BALANCE DUE		INTEREST PAID TO	REMARKS
						PRINCIPAL	TOTAL		
4597	Randall and Mary Black	July 17, 1929	\$ 110.00	\$10.00 cash - Balance in 4 years	Sept. 23, 1932	\$ 65.00	65.00	About 12/17/31	Have promised to make payments a number of times but have failed to do so. May have to bring some pressure to bear in order to secure payments on this contract. He is employed as a guard at the Branch Prison at Marquette.
5544	Munising Dairy Company	Oct. 24, 1934	800.00	\$100.00 Cash - Balance in 7 years	Oct. 24, 1934	700.00	700.00	None	Payments being received each month from the City.
4459	Alger County Insurance Agency	Nov. 22, 1927	800.00	\$6.90 monthly until paid	Dec. 24, 1934	220.40	220.40	12/ 1/34	Monthly payments being received.
5090	Fred Morin	Aug. 19, 1932	50.00	\$15.00 Cash - Balance in 2 years	Dec. 24, 1934	44.00	44.00	None Paid	Is making payments of \$2.00 each month or so and will continue this until account is paid in full. Has large family and this is the best he can do.
5311	Wm. Wilson & Lulu Wilson	Aug. 1, 1933	50.00	\$5.00 Cash - \$15.00 on 1st of Nov., Feb., May & Aug. of each year until paid	Nov. 10, 1934	20.00	20.00	None Paid	Up-to-date.
4151	Nick Moroz	June 25, 1924	425.00	\$35.00 Cash - Balance in 5 years	Dec. 22, 1934	6.22	6.22	9/14/34	Paid in full in February 1935.
TOTAL						\$1,055.72	1,055.72		



THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

NEGAUNEE HOUSE SALES RECEIVABLE - DECEMBER 31, 1934.

CONV. NO.	PURCHASER	DATE OF SALE	CONSIDERATION	TERMS	DATE OF LAST PAYMENT	PRINCIPAL	BALANCE DUE		TOTAL	INTEREST PAID TO	REMARKS
							TAXES	INSURANCE			
5128	Amanda St. Arnaud	Nov. 1, 1932	\$ 3,800.00	\$380.00 Cash - Balance \$34.00 per month	Dec. 15, 1934	\$ 2,864.80			2,864.80	12/ 1/34	Up-to-date and paid in full on March 1st, 1935.
5129	William H. Treloar & Wife	Nov. 1, 1932	1,400.00	\$140.00 Cash - Balance \$14.00 per month	Nov. 15, 1934	1,198.70			1,198.70	9/ 1/34	Unemployed. In arrears on his payments for about one year. Is making payments from time to time as he is able.
5130	Arthur Pascoe & Wife	Dec. 1, 1932	1,500.00	\$150.00 Cash - Balance \$15.00 per month	Nov. 30, 1934	1,140.05			1,140.05	12/ 1/34	Up-to-date.
5132	Richard H. Barrows & Wife	Dec. 1, 1932	1,500.00	\$150.00 Cash - Balance \$15.00 per month	Dec. 6, 1934	1,149.25			1,149.25	11/1/34	Do.
5168	Leo E. Dodendorf & Wife	Dec. 1, 1932	2,800.00	\$280.00 Cash - Balance \$28.00 per month	Dec. 24, 1934	2,213.77		16.42	2,230.19	7/ 1/34	In arrears for about 6 months.
5169	William Helmsdorfer & Wife	Dec. 1, 1932	1,700.00	\$170.00 Cash - Balance \$17.00 per month	Dec. 1934	1,511.25		4.32	1,515.57	Approx. 4/1/34	Employed at Maas Mine. Has been paying \$4.00 per month which he claims is all he can spare at present rate of employment.
5197	Victor Johnson & Wife	Jan. 2, 1933	1,200.00	\$600.00 Cash - Balance \$9.00 per month	Dec. 24, 1934	370.25			370.25	1/ 1/35	Up-to-date.
5200	Otto Korhonen & Wife	Jan. 2, 1933	1,100.00	\$110.00 Cash - Balance \$11.00 per month	Dec. 3, 1934	842.81			842.81	12/ 1/34	Do.
5202	Arthur Olson	Jan. 2, 1933	2,000.00	\$200.00 Cash - Balance \$20.00 per month	Dec. 1, 1934	1,532.53			1,532.53	12/ 1/34	"
5215	Joseph Chirio & Wife	Mar. 1, 1933	1,500.00	\$150.00 Cash - Balance \$15.00 per month	July 3, 1934	1,212.85			1,212.85	7/ 1/34	6 months in arrears. Are keeping after.
5223	Selma Wiljanen	Apr. 1, 1933	1,600.00	\$800.00 Cash - Balance \$15.00 per month	Dec. 15, 1934	235.68			235.68	12/ 1/34	Up-to-date.
5402	Edward F. Hoij & Wife	Feb. 15, 1934	2,250.00	\$225.00 Cash - Balance \$22.50 per month	July 3, 1934	-		9.87	9.87	Paid in full	Principal paid in full. Insurance premium paid to April 7, 1937, but only charged on books to April 7, 1935.
5421	Bigar H. Staples & Wife	Mar. 19, 1934	1,800.00	\$180.00 Cash - Balance \$18.00 per month	Nov. 30, 1934	1,539.38	34.22	4.85	1,578.73	11/18/34	Up-to-date.
5428	John Kujala & Wife	May 1, 1934	1,100.00	\$110.00 Cash - Balance \$11.00 per month	Nov. 30, 1934	421.67	14.44	.19	435.92	12/ 1/34	Paid in advance on contract.
5441	J. Wm. Larsen & Wife	May 1, 1934	1,650.00	\$165.00 Cash - Balance \$16.50 per month	Dec. 4, 1934	1,420.48	34.29		1,454.77	12/ 1/34	Up-to-date.
5446	Andrew Kangas & Wife	May 1, 1934	2,200.00	\$220.00 Cash - Balance \$22.00 per month	Dec. 15, 1934	1,894.38	36.10	.40	1,930.98	12/ 1/34	Do.
5453	Joseph P. Guizzetti & Wife	July 2, 1934	1,300.00	\$130.00 Cash - Balance \$13.00 per month	Nov. 30, 1934	1,133.86	17.60		1,151.46	12/ 1/34	"
5462	Leonard T. & Helmi A. Parkkonen	June 15, 1934	1,500.00	\$150.00 Cash - Balance \$15.00 per month	Nov. 15, 1934	1,308.31	17.60	3.50	1,329.41	11/15/34	"
5509	Jacob E. Keranen	Sept. 1, 1934	1,400.00	\$140.00 Cash - Balance \$14.00 per month	Dec. 1934	1,236.78		9.02	1,245.80	12/ 1/34	"
5510	Arne O. Mantela	Sept. 10, 1934	1,500.00	\$150.00 Cash - Balance \$15.00 per month	Dec. 1934	1,320.91		16.24	1,339.55	12/10/34	"
5513	Oscar Huttula	Oct. 1, 1934	1,500.00	\$150.00 Cash - Balance \$15.00 per month	Dec. 3, 1934	1,333.45		10.15	1,343.60	12/ 3/34	"
5514	John Ducoli	Oct. 1, 1934	2,000.00	\$200.00 Cash - Balance \$20.00 per month	Dec. 15, 1934	1,777.94		14.21	1,795.04	12/ 1/34	"
5415	Erlant Maki							8.55	8.55		Should be Negaunee Mine Company account. Interest charged in error over The C.C.I.Co. books. Reversed in January 1935.
Total						\$ 27,650.11	204.17	32.45	27,896.73		

THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

HOUSE RENTS RECEIVABLE - DECEMBER 31, 1934

HOUSE NUMBER	TENANT	MONTHLY RENTAL	AMOUNTS DUE TO 12/31/34	
NEGAUNEE				
2 a	Swan Lahti	\$ 3.75 #	\$ 48.75	Company employee. Is keeping up current rent and as soon as employment is increased, will begin payment on balance.
2 b	Frank Cox	7.00	5.00	Expect small amount in arrears will be paid during 1935.
8	Edward Keruo	4.50 #	41.00	Company employee. Keeping up current rent and expect balance will be paid when employment is increased.
101	John Wickstrom	6.20 #	-	Up to date.
102	Simon Uren	7.00	-	Up to date.
103	Charles Gyles	7.70 #	44.40	Company employee. Keeping up current rent and paid substantial portion of back rental during 1934 due to application of earnings from increased employment.
104 a	Mrs. Lillian Langson	5.20 #	35.80	Company employee. Keeping up current rent and will take care of balance when employment is increased.
104 b	Bert Pemberthy	10.40	-	Up to date.
105	Ed. Mallett	7.20 #	104.00	Employed part time by City. Has begun to keep up current rent and has promised to make further payments if Company can give employment to son.
106 a	Thos. Richards	10.40	17.80	Keeping up current rent. May be able to collect part of back rental during 1935.
106 b	John House	5.20 #	5.60	Company employee. Keeping up current rent and gradually reducing arrears.
109	W. J. Williams	4.50 #	85.50	Has been working for City on part time. Will arrange for payment of current rent during 1935 if he continues to be employed and if he re-enters employ of Company, will arrange for collection of rental.
112	Fred Garceau	9.30 #	-	Up to date.
113	Jos. Annear	4.25 #	5.25	Company employee. Keeping up current rent and will also pay up small balance in 1935.
115 a	Fred Bath	6.20 #	148.80	Again working for Company and will keep up current rental and do what he can on balance.
115 b	Lester Juchemich	6.20 #	348.60	Working at the Athens. Keeping up current rental and applying proceeds of extra time, if any, on this account. Some adjustment should be made in the balance due as he was charged with full time rental when he left Company employment.
115 c	Oswald Zardus	7.70 #	37.60	Company employee. Keeping up current rental and making some reduction in balance.
117	John Marshall	4.75 #	34.20	Has no regular employment. Believe this will be paid up as soon as employment conditions improve.
118	Jethro Collins	5.20 #	116.83	Company employee. Current rent being kept up and expect balance will be gradually taken care of as he secures increased employment
119	Richard Pascoe	5.75 #	15.25	Keeping up current rent and has made substantial reduction in balance. Company employee
120	Tony Georgiano	4.25 #	80.75	Employed as City Policeman. Has kept up current rental for past 3 months but we are keeping after.
121	James Kent	6.75 #	81.00	Has been ill for several months. It is doubtful if he will be reemployed by Company. Some adjustment may have to be made on this account.

## HOUSE RENTS RECEIVABLE - DECEMBER 31, 1934

Sheet No. 2

HOUSE NUMBER	T E N A N T	MONTHLY RENTAL	AMOUNTS DUE TO 12/31/34	
122	Eiler Anderson	\$ 4.25 #	\$65.00	Company employee. Keeping up current rent and expect balance will be paid gradually as additional employment is secured.
123 a	Dan Mathews	5.00 #	16.40	Company Employee. Keeping up current rent.
123 b	Russell Johnson	4.25 #	107.25	Now employed at Hartford Mine. Will endeavor to arrange for payroll collections to apply on this rental.
124	Wesley Jennings	4.25 #	25.50	Keeping up current rental and gradually reducing balance. Company employee.
206	H. J. Theriault	20.00	430.00	
207	Land Agent	25.00	-	
208	William J. Hawke	30.00	38.70	Up to date.
209 a	Oscar Joki	6.00	3.00	Company employee. Paying current rental.
209 b	Sam Hautamaki		30.15	Vacated property in 1933 and promised to take care of this balance as soon as he secured employment.
209 b	Roland Juchemich	6.00	3.00	Company employee. Paying current rental.
MUNISING:				
301 a	H. H. Coolidge	30.00	30.00	Rental paid since close of year.
301 b	Dr. C. J. Light	25.00	111.80	No further payment on this account since November. Has been ill.
312	Bert S. Carr	200.00	-	Up to date.
323	A. J. Belfry	65.00	42.50	Rental paid to January 15, 1934, and expect he will bring this account to date as soon as business conditions pick up in the spring.
324	Chas. Brandt	20.00	8.00	Paying current rental.
325	Fred Carefelle	20.00	605.53	L.S. & I. Employee. Unemployed for a long time. Now making payments on this account from time to time.
326 e	Lawrence S. Cady	12.00	178.50	Collecting \$20.00 per month over Woodenware payroll.
326 w	Vernon A. Floria	15.00	265.00	Peoples' State Bank employee. Made some payments in 1934 and has promised to bring this acct. to date as soon as possible.
327 e	Charles Cook	12.00	37.15	Works for Company now and then and in this way we practically can keep his rental up to date
327 w	Roy Whitmore	15.00	60.00	4 Months in arrears. We are keeping after.
327 w	Julius Samuels	Water Rental	4.40	
328	John LaCombe	15.00	45.00	3 Months in arrears. Are keeping after
329 w	Axel Whitlock	12.00	30.16	About 2½ months in arrears. Are keeping after.
329 e	Emil Lundban	15.00	270.30	Paying current rent and we are endeavoring to make collections on balance but he is only employed part time.
330	Joseph Johns	15.00	292.65	Only part time employment. Are keeping after.
331	Wm. Tidd	30.00	60.00	Will be paid in 1935

HOUSE RENTS RECEIVABLE - DECEMBER 31, 1934.

HOUSE NUMBER	TENANT	MONTHLY RENTAL	AMOUNTS DUE TO 12/31/34	
FOREST LAKE				
701	James Wyse	\$ 20.00	\$ 20.00	Company employee
702	Nelson Goodreau	10.00	-	Up to date
703	L. W. Kellan	10.00	20.00	Will be paid in 1935.
704	Langsford Collins	10.00	10.00	Will be paid in 1935.
704	D. J. LaFonde		10.00	Will endeavor to collect this in 1935.
705	Andrew Olson	8.00	-	Up to date
706	Joe Bertol	5.00	-	Up to date
707	Vacant			
724	Oscar Bryngelson	1.00	1.00	
725	Francis Lincoln	1.00	-	Up to date
726	Alex Johnson	5.00	-	Up to date
727	Chas. Niemi	10.00	-	Up to date
728	Mike Seppi	2.00	13.00	Son has promised to take care of this as soon as he makes pulpwood shipments.
729	Oscar Johnson	1.00	1.00	Company employee
730	George Maki	1.00	1.00	Company employee
732	Swan Lindblad	1.00	1.00	Company employee
733	Frank Jeskro	1.00	6.00	Adjustment to be made on this account.
734	Vacant			
735	John Ylinen	3.50	3.50	Company employee
736	Fred Mevre	3.50	-	Up to date
737	Dolph Bovan	3.50	-	Up to date
738	Vacant			
739	Cleve Gallion	1.00	1.00	
			\$4,090.82	

# These house rentals were reduced one-half or less as of June, 1931, on account of employees working half or two-thirds time.

THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

GRAND ISLAND RENTS RECEIVABLE - DECEMBER 31, 1934.

LEASE NUMBER	LESSEE	YEARLY RENTAL	AMOUNT OWING TO JAN.1,1935	REMARKS
1213	Francis G. Reynolds	\$ 50.00	-	Up-to-date
1332	Katherine C. Farrell	50.00	\$ 100.00	Has asked that she be given a little time to take care of this rental and this has been granted.
1333	A. F. Maitland et al	50.00	150.00	Invoice and notices have been sent. Are keeping after.
1616	W. H. Klauer	50.00	-	Up-to-date.
1764	Dr. Frederick Menge	100.00	100.00	Paid December 31, 1934. Up-to-date.
3161	John V. Redfield	50.00	-	Up-to-date.
TOTAL			\$ 350.00	

LED:EN-6  
3/7/35

THE NEGAUNEE MINE COMPANY

LAND DEPARTMENT

NEGAUNEE HOUSE SALES RECEIVABLE - DECEMBER 31, 1934.

CONV. NO.	PURCHASER	DATE OF SALE	CONSIDERATION	TERMS	DATE OF LAST PAYMENT	BALANCE DUE			TOTAL	INTEREST PAID TO	REMARKS
						PRINCIPAL	TAXES	INSURANCE			
5203	Matt E. Mattson	Feb. 1, 1933	\$ 1,400.00	\$200.00 Cash - Balance \$14.00 per month	Dec. 7, 1934	\$ 1,014.39			1,014.39	12/ 1/34	Up-to-date.
5330	Klaus E. Holm & Wife	Oct. 2, 1933	1,750.00	\$200.00 Cash - Balance \$17.50 per month	Dec. 5, 1934	1,185.71			1,185.71	12/ 1/34	Paid in advance.
5415	Erlend Maki	Mar. 1, 1934	2,000.00	\$200.00 Cash - Balance \$20.00 per month	Oct. 27, 1934	1,710.30	40.60		1,751.00	11/ 1/34	Up-to-date.
TOTAL						\$ 3,910.50	40.60		3,951.10		

AJE:LED-CN-5.  
3/6/35.

AMERICAN IRON MINING COMPANY

LAND DEPARTMENT

REAL ESTATE SALES RECEIVABLE - DECEMBER 31, 1934.

CONV. NO.	PURCHASER	DATE OF SALE	CONSIDERATION	TERMS	DATE OF LAST PAYMENT	BALANCE DUE			INTEREST PAID TO	REMARKS
						PRINCIPAL	TAXES	TOTAL		
4928	Ernest Koast	Sept. 3, 1931	\$ 450.00	\$100.00 Cash - Balance in 4 years	Sept. 19, 1934	\$ 87.50	10.97	98.47 Taxes 1934	9/ 2/34	Up-to-date
5055	Waino Warjonen	June 14, 1932	500.00	\$ 75.00 Cash - Balance in 5 years	July 1934	255.00	9.38	264.38 Taxes 1934	1/ 1/35	Do.
TOTAL						342.50	20.35	362.85		
<u>TIMBER SALES RECEIVABLE - DECEMBER 31, 1934.</u>										
4703	Wm. A. Hill & Oscar Laakonen	Oct. 2, 1930	90.00	Cash	Jan. 4, 1932	-	10.02	10.02 Taxes 1932		Made several attempts during past year to collect these taxes but without success. Are keeping after.
TOTAL						\$ -	10.02	10.02		

SUPERIOR REALTY COMPANY

LAND DEPARTMENT

REAL ESTATE SALES RECEIVABLE - DECEMBER 31, 1934.

CONV. NO.	PURCHASER	DATE OF SALE	CONSIDERATION	PRINCIPAL	TOTAL	REMARKS
5582	G. Sherman Collins	Dec. 18, 1934	\$725.00 Cash	\$725.00	\$725.00	Paid in January 1935.

AJE: LED-CN-6.  
3/8/35.



THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

STATEMENT OF LAND AND TIMBER SALES FOR THE YEAR 1934

PURCHASER	DESCRIPTION	ACREAGE	AMOUNT OF SALE			REMARKS
			LAND	TIMBER	TOTAL	
Northwestern Cooperage & Lumber Co.	Certain lands in 44-20	-	\$ 1.00	\$ -	\$ 1.00	Waiver of Trans.Line & R.R.Reservations.
Alger County Road Commission	200 ft. strip off E. side NE $\frac{1}{4}$ of NE $\frac{1}{4}$ Sec. 16-47-18	6.06	30.28	69.72	100.00	
Township of Wells, Delta County	Right-of-way NE $\frac{1}{4}$ of SW $\frac{1}{4}$ , W $\frac{1}{2}$ of SE $\frac{1}{4}$ , Sec. 16-39-23	3.00	1.00	-	1.00	
Mike Koski	NE $\frac{1}{4}$ of SE $\frac{1}{4}$ , Sec. 21-46-21	40.00	134.00	66.00	200.00	
City of Negaunee	Transmission Line Easement Sec. 1-47-27	-	1.00	-	1.00	
William Hill	NE $\frac{1}{4}$ of NE $\frac{1}{4}$ , Sec. 28-46-21	40.00	180.00	60.00	240.00	
James H. Cook	N $\frac{1}{2}$ of NW $\frac{1}{4}$ & SW $\frac{1}{4}$ of NW $\frac{1}{4}$ , Sec. 20-47-10	120.00	280.00	45.00	325.00	
Alger County	Right-of-way, NE $\frac{1}{4}$ of SE $\frac{1}{4}$ , Sec. 11-46-19	.40	1.00	-	1.00	
State of Michigan	Right-of-way, Sec. 7-46-29	14.19	657.00	-	657.00	
United States of America	Certain lands in 17, 19 & 20, 43-5	193.36	260.00	30.00	290.00	
Orvil Alexander	Part of NE $\frac{1}{4}$ of SE $\frac{1}{4}$ , Sec. 23-39-19	5.74	75.00	-	75.00	
John Johnson	S $\frac{1}{2}$ of SE $\frac{1}{4}$ , Sec. 16-39-23	799.00	200.00	350.00	550.00	
State of Michigan	Right-of-way, Sections 35 & 36, 48-25	7.12	1.00	-	1.00	
City of Ishpeming	Water Line Easement, 10-47-27	-	1.00	-	1.00	
United States of America	Road Easement, Town 46-20	-	1.00	-	1.00	
Andrew J. Yungbluth	Parcel in Lot 1, Sec. 13-48-25	.25	100.00	-	100.00	
Robert Olson	SW $\frac{1}{4}$ of NW $\frac{1}{4}$ , Sec. 30-47-23	-	-	50.00	50.00	Spruce Timber only
City of Marquette	Right-of-way, Lot 1, Sec. 13, Lot 2, Sec. 14, 48-25	-	1.00	-	1.00	
United States of America	Certain lands in Alger, Delta & Schoolcraft Counties	8,457.72	8,457.72	4,228.86	12,686.58	
Anna Mayette Ross	W $\frac{1}{2}$ of SE $\frac{1}{4}$ , Sec. 13-41-18	-	1.00	-	1.00	Waiver of R.R.Reservation
Ed. Sharkey	NE $\frac{1}{4}$ of SE $\frac{1}{4}$ , Sec. 31-47-18	-	-	100.00	100.00	Hardwood Timber only
City of Munising	Certain Lands in Secs. 2, 3 & 10, 46-19	9.30	697.50	-	697.50	
John T. Turnbull	NW $\frac{1}{4}$ of SE $\frac{1}{4}$ , Sec. 9-46-11	40.00	1.00	-	1.00	
United States of America	Road Easement, 46 & 47-20	-	1.00	-	1.00	
United States of America	Road Easement, 46-20	-	1.00	-	1.00	
City of Escanaba	SE $\frac{1}{4}$ of NE $\frac{1}{4}$ & N $\frac{1}{2}$ of SE $\frac{1}{4}$ , Sec. 16-39-23	-	-	350.00	350.00	Timber only
Clinton Forsterling	Certain Lands in 14-45-26	-	-	3,500.00	3,500.00	Timber only
Marquette County Road Commission	Right-of-way, SW $\frac{1}{4}$ of NW $\frac{1}{4}$ 27, NE $\frac{1}{4}$ 28, 48-26	9.31	50.00	-	50.00	
Waino Millimaki	SW $\frac{1}{4}$ of SW $\frac{1}{4}$ , Sec. 18-47-27	-	-	25.00	25.00	Timber only
Russell J. Wolfe	SW $\frac{1}{4}$ of SE $\frac{1}{4}$ , Sec. 21-49-13	40.00	40.00	285.00	325.00	
Michigan Pole & Tie Company	Certain lands in 31-47-9, 34 & 36-47-10	1,502.46	-	20,000.00	20,000.00	
L.S.& I.R.R.Co.	Parcel in SW $\frac{1}{4}$ of SW $\frac{1}{4}$ , Sec. 26-46-22	.37	50.00	-	50.00	
Marquette County Road Commission	Certain Lands in 21, 22, 27 & 28, 48-26	261.82	2,618.20	-	2,618.20	
Richard B. Cowdrick	N $\frac{1}{2}$ of NE $\frac{1}{4}$ , Sec. 31-48-25	80.00	200.00	250.00	450.00	
Dominic Kolada	SE $\frac{1}{4}$ of NE $\frac{1}{4}$ , Sec. 12-47-18	40.00	60.00	15.00	75.00	
Cliffs Power & Light Co.	Transmission Line Easement, Sec. 11-46-19	-	1.00	-	1.00	
Ed. Sharkey	W $\frac{1}{2}$ of NW $\frac{1}{4}$ , Sec. 32-47-18	-	-	400.00	400.00	Hardwood Timber only
Matt Viitala	SW $\frac{1}{4}$ of SW $\frac{1}{4}$ , Sec. 1-42-23	-	-	125.00	125.00	Timber only
City of Marquette	Parcel in Lot 1, Sec. 13-48-25	1.83	1.00	-	1.00	
Isaac Hannuksela	SW $\frac{1}{4}$ of SE $\frac{1}{4}$ , Sec. 34-48-25	-	-	200.00	200.00	Timber only
Tom Lawless	SW $\frac{1}{4}$ of NE $\frac{1}{4}$ , Sec. 6-46-2 W	40.00	300.00	60.00	360.00	
Marquette County Road Commission	Right-of-way, Sec. 13 & 24, 47-28	8.63	86.63	63.37	150.00	
United States of America	Road Easement, NW $\frac{1}{4}$ of NE $\frac{1}{4}$ , Sec. 34-44-6	-	1.00	-	1.00	
Orville Revord	Part of E $\frac{1}{2}$ of NW $\frac{1}{4}$ , Sec. 11-46-19	4.92	500.00	-	500.00	
Matt Holli	NW $\frac{1}{4}$ of NW $\frac{1}{4}$ , Sec. 34-48-28	-	-	300.00	300.00	Timber only
George Hannuksela	SW $\frac{1}{4}$ of NE $\frac{1}{4}$ , Sec. 34-48-28	-	-	425.00	425.00	Timber only
Herman G. Rath	N $\frac{1}{2}$ of SW $\frac{1}{4}$ , Sec. 25-45-5	80.00	120.00	-	120.00	
United States of America	Certain lands in Secs. 28 & 29, 44-19	400.00	600.00	-	600.00	
<b>TOTAL</b>		<b>11,485.48</b>	<b>15,711.33</b>	<b>30,997.95</b>	<b>46,709.28</b>	

THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

STATEMENT OF LAND AND TIMBER SALES FOR THE YEAR 1934

SHEET NO. 2

	UNPLATTED LANDS						PLATTED LANDS				MINERAL RIGHTS RESERVED IN SALES
	FEE	SURFACE ONLY	MINERALS ONLY	LEASED MINERALS	TIMBER ONLY	LEASED SURFACE	FEE	SURFACE ONLY	MINERALS ONLY	TOTAL	
Total Acreage - Dec. 31, 1933	509,285.56	48,739.15	4,580.73	2,252.78	40.46	169.61	212.10	114.88	283.72	565,678.99	139,643.37
Purchased in 1934 (1)	.70			400.95						401.65	
Cancelled Contracts (2)	1.71									1.71	1.71
TOTAL	509,287.97	48,739.15	4,580.73	2,653.73	40.46	169.61	212.10	114.88	283.72	566,082.35	139,641.66
Sales in 1934 (3)	143,419.44	10,807.60					3.16	.55		154,230.75	11,515.94
Surrendered (4)				692.41						692.41	
TOTAL	143,419.44	10,807.60		692.41			3.16	.55		154,923.16	
TOTAL ACREAGE - DEC. 31, 1934	365,868.53	37,931.55	4,580.73	1,961.32	40.46	169.61	208.94	114.33	283.72	411,159.19	151,157.60

(1) Purchase Nos. 3598 & 4332

(2) Conveyance No. 4423

(3) As per statement above and Conv. Nos. 5445, 5498, 5537, 5544, 5553, 5554, 5555, 5556, 5557, 5558, 5559, 5560, 5561

(4) Conveyance No. 5481



TOWN	RANGE	UNPLATTED LANDS							PLATTED LANDS				MINERALS RE-SERVED IN FARM LAND SALES
		FEE	SURFACE	MINERALS	LEASED MINERALS	MINING OPTION	TIMBER ONLY	LEASED SURFACE	FEE	SURFACE	MINERALS	TOTAL	
42	14												35.00
43	14												236.85
45	14	40.00										40.00	
46	14	480.00										480.00	
47	14	4,830.62	437.25									5,267.87	
48	14	18,094.68	313.73									18,408.41	
49	14	9,170.07	260.00									9,450.07	40.00
42	15												1766.77
43	15												194.10
46	15	3,915.58										3,915.58	
47	15	2,025.06	654.20									2,679.26	
48	15	6,052.90	360.00									6,412.90	
49	15	3,010.91	195.20									3,206.11	
41	16												903.65
42	16												14.20
43	16												485.50
44	16												80.00
45	16												63.85
46	16	896.03										896.03	31.06
47	16	3,557.38	240.00									3,797.38	11.40
48	16	7,979.52	455.37									8,434.89	79.25
49	16	1,004.60	260.00									1,264.60	
41	17												5,797.51
42	17												2,080.00
44	17												238.69
45	17	561.01										561.01	591.36
46	17	1,755.89										1,755.89	1,705.16
47	17	6,204.45	200.00									6,404.45	1,878.85
48	17	4,276.15	201.00									4,477.15	
39	18	252.51										2.51	29.92
41	18												960.00
43	18												40.00
44	18	55.78										55.78	160.00
45	18	320.00										320.00	40.00
46	18	7,849.83										7849.83	5,151.31
47	18	10,950.91	120.00									11,070.91	1,318.70
48	18	520.00										520.00	
37	19	135.60										135.60	371.50
38	19	627.71										627.71	4,171.18
39	19	531.65										531.65	2,084.10
41	19												360.00
42	19												560.00
43	19												520.00
44	19	4,545.71	40.00									4,585.71	2,521.46
45	19	118.41	40.00									198.87	2,440.62
46	19	9,381.94	171.43									9,601.99	10,241.63
47	19	9,081.40	108.18									9,197.36	788.73
48	19	6,365.06	638.35									7,003.41	
38	20												358.00
44	20	6,194.09										6,194.09	797.19
45	20	1,021.60	600.00									1,621.60	5,284.34
46	20	13,139.67	80.00									13,219.67	1,982.07
47	20	4,622.92										4,622.92	759.09
48	20	113.96										113.96	
43	21	56.60										56.60	4,566.11
44	21	2,000.14	435.68									2,435.82	3,519.39
45	21	1,102.35										1,102.35	3,985.12
46	21	1,212.69										1,213.71	4,194.13
									1.02				



LAND ACREAGE - DECEMBER 31, 1934

SHEET NO. 4

TOWN	RANGE	FEE	SURFACE	MINERALS	LEASED MINERALS	MINING OPTION	TIMBER ONLY	LEASED SURFACE	FEE	SURFACE	MINERALS	TOTAL	MINERALS RE-SERVED IN FARM LAND SALES
43	32				400.95							400.95	
47	34	1.655		1,964.68								1,966.33	
50	34												40.00
43	35		80.00		120.00							200.00	
48	39												711.57
49	39												480.00
45	29												168.49
46	29	591.59		146.64								738.23	238.69
47	29	40.00										40.00	80.00
48	30												56.00
43	31	36.23										36.23	
44	33												80.00
50	22 Minn.	4.40										440.00	934.56
49	23			2.50								2.50	189.96
50	23	670.59		54.80								725.39	377.39
46	25												280.05
47	25												39.75
46	26												440.00
57	22									.51 (Nashwauk)		.51	
58	15				152.09							152.09	
59	15							1.75		1.08		2.83	
57	20		4.50							.69		5.19	
47	29	160.00										160.00	
45	1 E. Wis.	133.33										133.33	
<b>TOTAL</b>		<b>365,868.53</b>	<b>37,931.55</b>	<b>4,580.73</b>	<b>1,961.32</b>		<b>40.46</b>	<b>169.61</b>	<b>208.94</b>	<b>114.33</b>	<b>283.72</b>	<b>411,159.19</b>	<b>151,157.60</b>

CAJ:HW/2  
3/8/35



THE CLEVELAND-CIFFS IRON COMPANY & SUBSIDIARY COMPANIES

# ACREAGE STATEMENT - LAND OWNED AND CONTROLLED SHOWING OWNERSHIP BY COMPANIES

DECEMBER 31, 1934

COMPANIES	UNPLATTED LANDS						PLATTED LANDS				ACRES OF LAND NOT TIMBERED "H"	ACRES OF LAND TIMBERED "I"	LANDS ON MINERAL FORMATION "J"	MINERAL RIGHTS RESERVED IN SALES "K"
	FEE "A"	SURFACE ONLY "B"	MINERALS ONLY "C"	LEASED MINERALS "D"	TIMBER ONLY "F"	LEASED SURFACE	FEE	SURFACE ONLY	MINERALS ONLY	TOTAL ACRES				
CONSTITUENT COMPANIES (Entire Stock Owned by The C.C.I.Co.) The Cleveland-Cliffs Iron Company Superior Realty Company	365,868.53 131,899.88	37,931.55 10,722.58	4,580.73	1,961.32	40.46	169.61	208.94	114.33	283.72	411,159.19 142,622.56	66,978.21 142,622.56	344,180.98	55,789.44	151,157.60 40.
TOTAL CONSTITUENT COMPANIES	497,768.41	48,654.23	4,580.73	1,961.32	40.46	169.61	208.94	114.33	283.72	553,782.25 137.33	209,600.77	344,180.98	55,789.44	151,197.60
ALLIED COMPANIES (A portion of the stock only owned by The C.C.I.Co.) The Negaunee Mine Company Arctic Iron Company The Athens Iron Mining Company Banker Hill Mining Company Lucky Star Mining Co. Michigan Mineral Land Company	2.40 990.48 44.57 45.10 49.74 12,102.54	3.49 .22	37.98 17.59 10.20	213.36 21.61				8.55 4.23	105.53	227.50 1,151.99 88.02 53.20 49.74 28,568.29	227.50 1,151.99 88.02 53.20 49.74 28,568.29		198.40 283.02 83.57 53.20 49.74 28,488.24	93.06
TOTAL ALLIED COMPANIES	13,232.83	3.71	16,551.32	234.97				12.78	105.53	30,139.14	30,139.14		29,161.37	93.06
ASSOCIATE COMPANIES (The C.C.I.Co. has no ownership but act as agent) American Iron Mining Company	2,816.55		454.55							2,816.50	2,816.50		2,816.50	
GRAND TOTAL OWNED AND CONTROLLED - ALL COMPANIES	513,863.19	48,657.94	21,586.60	2,196.29	40.46	169.61	208.94	127.11	387.25	586,737.39	242,556.41	344,180.98	87,767.81	151,290.66

"A" - Lands where entire fee is owned.  
 "B" - Lands where surface only is owned.  
 "C" - Lands where minerals only are owned in known mineral district.  
 "D" - Lands where our interest is confined to a mining lease.  
 "E" - Lands where timber only is owned.  
 "F" - Lands where we own the entire fee, surface only, or minerals only in lands which are a part of recorded plats of towns or villages.

"H" - Lands which have been examined and which reports show do not contain sufficient timber to be classed as timber land.  
 "I" - All lands not included in "H". This includes both lands that have been examined and other lands which have not but which were purchased for timber purposes and are classed as timber lands until such time as reports will show that they are barren either through fire or through operations of the Lumbering Department.  
 "J" - Approximate acreage of lands inside the mineral formation as indicated by maps furnished to the Land Department by the Mining Department, April 1914.  
 "K" - Acres of minerals reserved in farm land sales, outside of mineral formation.

# ACREAGE STATEMENT - LANDS OWNED AND CONTROLLED SHOWING OWNERSHIP BY COMPANIES

DECEMBER 31, 1934

SHEET NO. 2.

COMPANIES	UNPLATTED LANDS						PLATTED LANDS			TOTAL ACRES	ACRES OF LAND NOT TIMBERED "H"	ACRES OF LAND TIMBERED "I"	LANDS ON MINERAL FORMATION "J"	MINERAL RIGHTS RESERVED IN SALES "K"
	FEE "A"	SURFACE ONLY "B"	MINERALS ONLY "C"	LEASED MINERALS "D"	TIMBER ONLY "E"	LEASED SURFACE	FEE	SURFACE ONLY	MINERALS ONLY					
Total Acreage Dec. 31, 1933	529,988.84	49,298.42	16,918.69	2,437.75	40.46	169.61	212.10	127.66	387.25	599,628.76	219,016.76	380,612.02	88,058.77	139,736.43
Purchased During 1934										401.65	401.65		400.95	
The Cleveland-Cliffs Iron Company	.70			400.95						142,742.56	142,742.56			
Superior Realty Company	131,929.88	10,802.68												
Cancelled Contracts										1.71	1.71			1.71
The Cleveland-Cliffs Iron Company	1.71													
American Iron Mining Company (2)	40.00		40.00											
<b>TOTAL</b>	661,971.13	60,101.10	16,876.69	2,888.70	40.46	169.61	212.10	127.66	387.25	742,774.70	562,162.68	380,612.02	88,459.72	139,734.72
Sales - The Cleveland-Cliffs Iron Company	143,419.44	10,807.80					3.15	.55		154,230.75	152,498.99	1,730.76		11,515.94
Michigan Mineral Land Company	5,143.50	555.56	4,709.91							994.15	994.15			
Superior Realty Company (3)	40.00	80.00								120.00	120.00			40.00
Surrendered - The Cleveland-Cliffs Iron Co.				692.41						692.41	692.41		692.41	
Operated and Classification Changed											34,700.22		34,700.22	
<b>TOTAL</b>	143,607.94	11,443.16	4,709.91	692.41			3.15	.55		156,037.31	119,605.77	36,431.04	692.41	
<b>TOTAL ACREAGE DEC. 31, 1934</b>	518,363.19	48,657.94	21,586.60	2,196.29	40.46	169.61	208.94	127.11	387.25	586,737.39	242,566.41	344,180.98	87,767.31	151,290.66

- (1) In addition The C.C.I.Co. owns Hardwood Saw Timber Rights on 2,604.80 Acres  
 " " " Cedar Timber on 14,141.97 "
- (2) Conveyance No. 5118
- (3) " " 5562
- # Revised acreage statement to be made up later this year.

This statement does not include the lands of The Cliffs Power & Light Company



ARCTIC IRON COMPANY

LAND DEPARTMENT

LAND ACREAGE

DECEMBER 31, 1934

TOWN	RANGE	UNPLATTED LANDS		PLATTED LANDS	TOTAL	MINERALS RESERVED IN SALE
		FEE	MINERALS	MINERALS		
47	25	32.12			32.12	
47	26	810.36	4.43	88.03	902.82	93.06
48	26	148.00	33.55	15.50	197.05	
TOTAL		990.48	37.98	103.53	1,131.99	93.06

CAJ:MD  
3/5/35.

AMERICAN IRON MINING COMPANY

LAND DEPARTMENT

LAND ACREAGE

DECEMBER 31, 1934

TOWN	RANGE	UNPLATTED LANDS		
		FEE	MINERALS	TOTAL
47	31	515.98	38.42	554.40
48	31	1,845.97	416.13	2,262.10
TOTAL		2,361.95	454.55	2,816.50

CAJ:MD-2.  
3/5/35.

SUPERIOR REALTY COMPANY

LAND DEPARTMENT

LAND ACREAGE

DECEMBER 31, 1934.

TOWN	RANGE	FEE	SURFACE	MINERALS RESERVED IN SALES
45	1	120.00		
47	1	40.00		
46	2	240.00		
45	3	166.56		
46	3	360.00		
44	7	120.00		
46	7	40.00		
44	8	76.88		
46	8	70.40		
47	8	982.66		
48	8	857.40		
49	8	760.00		
44	9	40.00		
46	9	512.23		
47	9	10,473.39		
48	9	1,289.90		
49	9	440.00		
45	10	720.00		
46	10	254.54		
47	10	9,454.35		
48	10	9,260.16		
49	10	520.00		
43	11	160.00		
44	11	277.00		
46	11	1,240.21		
47	11	4,565.97		
48	11	12,993.53		
49	11	472.82		
46	12	2,520.32		
47	12	2,635.76		
48	12	4,604.83		
49	12	1,725.51		
50	12	29.40		
46	13	633.25		
47	13	1,115.65		
48	13	1,029.86	74.51	
49	13	8,793.32		
45	14	400.00		
46	14	360.00		
47	14	1,239.18		
48	14	827.46	239.95	
49	14	880.00	80.00	
45	15	80.00		
46	15	1,477.20	40.00	
47	15	6,761.58	320.00	
48	15	8,126.32	160.00	

SUPERIOR REALTY COMPANY

LAND DEPARTMENT

Sheet No. 2.

LAND ACREAGE

DECEMBER 31, 1934.

TOWN	RANGE	FEE	SURFACE	MINERALS RESERVED IN SALES
49	15	1,840.00	198.39	
43	16	80.00		
46	16	560.00		
47	16	240.00		
48	16	760.49	40.00	
49	16		320.00	
38	19	1,360.00		
43	21	442.00		
44	21	958.61	119.33	
45	21	1,643.36		
46	21	6,974.83	80.00	
47	21	1,368.29		
45	22	3,434.50	280.00	
46	22	2,760.00	234.32	
47	22	1,313.32	477.11	40.00
48	22	520.00	40.00	
39	23	80.00		
42	23	240.00		
43	23	640.00		
45	23		160.00	
46	23	480.51	798.29	
47	23	1,480.00	3,480.60	
39	24	40.00		
44	24	80.15	1,200.96	
45	24	562.00	1,160.00	
46	24	40.00		
47	24	240.00		
45	25	40.00		
47	25	2,211.31	140.00	
51	26		165.05	
51-	27	359.07	77.11	
52	27	40.00		
51	28	480.00		
45	29		1.70	
46	29	590.54		
50	29	200.00		
45	30		80.00	
46	30	360.00	160.00	
47	30		595.36	
43	31	78.99		
47	34	38.35		
50	34	415.92		
TOTAL		131,899.88	10,722.68	40.00

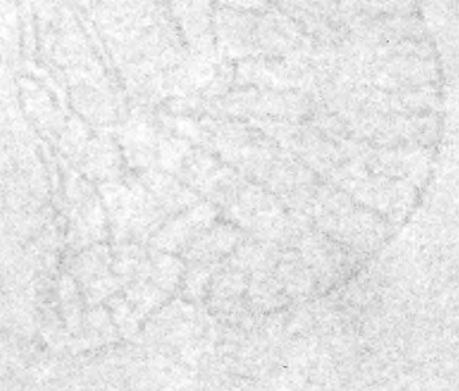
CAJ:EN-2

3/8/35

MEMPHIS

MEMPHIS

MEMBER



OFFICER

MEMBER



OFFICER







