

ROAD SURVEY'S
CASS LAKE DIST.

MINING
TRANSIT BOOK
1861

cc 66

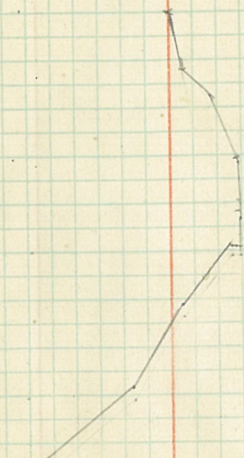
Sta. Dist. Bearing Log Cos. Log sin. Lat. Dep. N+ S- E- W+

0+00 = 1625 W. of 1/4 cor bot m. sec. 18-19-T195NR30W. Jan. 29th 1934

Dist.	Bearing	Log Cos.	Log sin.	Lat.	Dep.
60 ft.	N. 11° W	9.991947 2.778151 <u>2.770098</u>	9.280599 2.778150 <u>2.058749</u>	5.89	1.15
70 ft.	N. 48° W	9.825511 2.602060 <u>2.427571</u>	9.871073 2.602060 <u>2.473133</u>	2.68	2.97
60 ft.	N. 23° W	9.969026 2.778151 <u>2.742177</u>	9.591878 2.778151 <u>2.370029</u>	5.52	2.34
575	N. 03° W	9.999404 2.759668 <u>2.759072</u>	8.718800 2.759668 <u>1.478468</u>	5.74	30
325	North			325	00
50	East			00	50
80 ft.	N. 39° E	9.890503 2.903090 <u>2.793593</u>	9.798872 2.903090 <u>2.701962</u>	6.27	5.03-
100 ft.	N. 31° E	9.933066 3.000000 <u>2.933066</u>	9.711839 3.000000 <u>2.711839</u>	8.57	5.15-
140 ft.	N. 51° E	9.798872 2.176128 <u>2.945000</u>	9.890503 3.146128 <u>3.036631</u>	8.81	10.88-

Total Lat Total Dep.

19.83 6.26
23.08 6.26
23.08 6.76
29.30 1.73
37.87 -3.92
46.68 -14.30



Sta. Dist. Bearing Log. Cos. Log. Sin. Lat. Dep. N. S. E. W.

1889770

Total Total
Lat. Dep.

Sta	Dist.	Bearing	Log. Cos.	Log. Sin.	Lat. N.	Lat. S.	Dep. E.	Dep. W.	Total Lat.	Total Dep.
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23+91 P. $S 26^{\circ} W$
 $1.4410^{\circ} 34'$

7945

$S 36^{\circ} 39' W$
 $S 31^{\circ} 34' W$
 $\Delta P 197^{\circ} 34'$
15+96.5 P.

7455

10 $S 11^{\circ} 00' E$
 $S 16^{\circ} 00' E$

9 $\Delta P 137^{\circ} 44'$
8+51 P.

484 $S 26^{\circ} 44' W$
 $S 21^{\circ} 44' W$

$\Delta P 132^{\circ} 20'$
3+67 P.

367 $S 5^{\circ} 36' E$
 $S 10^{\circ} 36' E$

Ext. 6

Ext. 13 P.

100.50'
73' Center Sec. 13.

Ext. 20'

Ext. 26'

16x14 III 1+25
75'

25' 10+00
14x16

Sta	Dist.	Bearing	Log Cos.	Log sin	Lat		Dep.	
					N.	S	E	W.

1380770

S 37° 14' W
9.32714 W

Δ Lt. 3° 31'
 44+00 P.I.

39+22.5 Inter. Lat Line.
 - 16.5

39+07.0 S 40° 45' W
9.35° 45' W

Δ Lt. 46° 55'
 37+00 P.I.

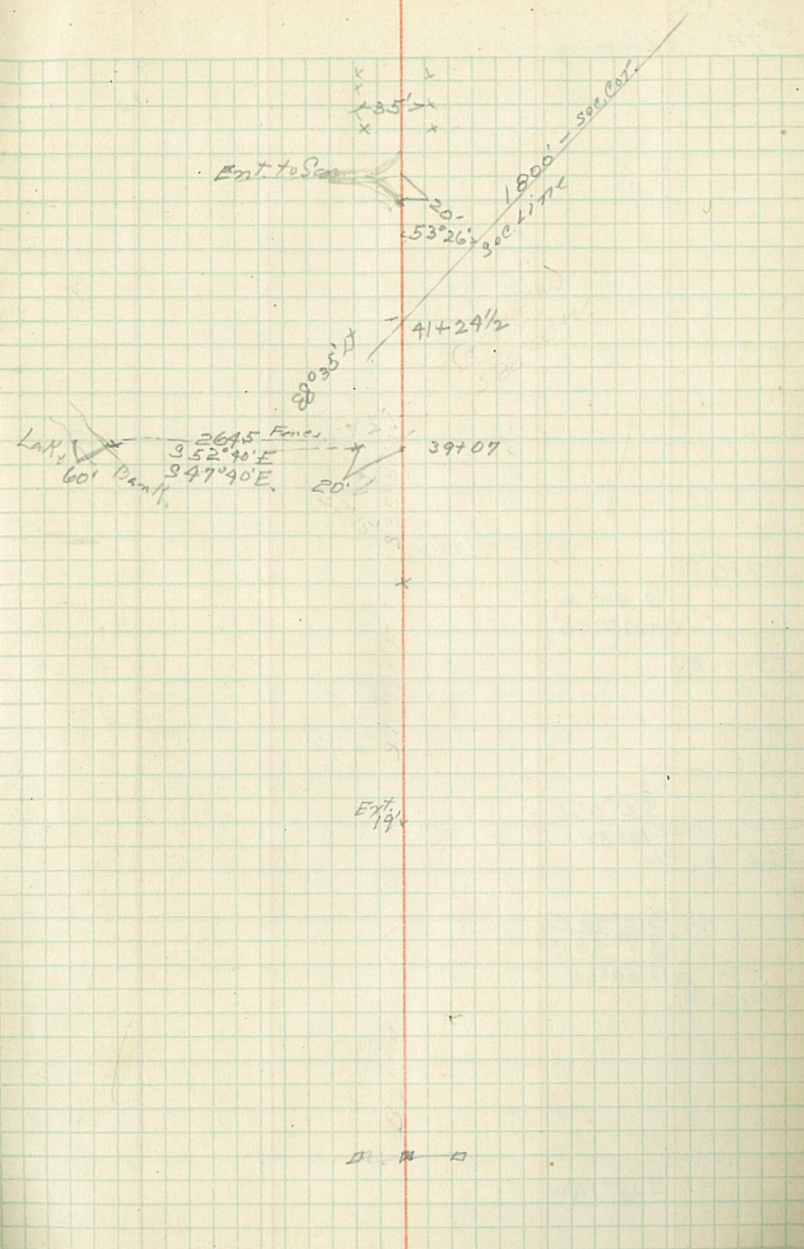
S 6° 10' E
S 11° 10' E

Δ Lt. 32° 10'
 32+93 P.I.

900.

25+60 Gate way

S 26° W



Sta Bearing

57+50

S 40° W
R+40° 05'

55+00 P.I.

S 0° 05' E

ΔH. 12° 51'

52+25 P.I.

912° 46' W

87° 46' W

ΔH. 24° 28'

50+00 P.I.

937° 14' W

5

57+50 Lat Co.

Ey 8

Ey 4

Ey 12

Dist.	Bearing	Log. Cos.	Log. Sin.	Lat. N-S	Dep. E-W
6280	S 75° 12' E	9.407299 1.797960 1.205259	9.985347 1.797960 1.783307	+ 16.04	+ 60.72
111.12	S 89° 31' E	7.926119 2.045750 -1.971869	9.999985 2.045750 2.045735	+ 0.94	+ 17.10
7.22	S 66° 16' E	9.604745 0.858537 0.963282	9.961624 0.858537 0.820161	+ 2.91	+ 6.61
10.00	S 21° 41' E	9.968128 1.000000 0.968128 9.29	9.567587 1.000000 0.567587 3.90	+ 9.29	+ 3.70
31.25	S 90° E			- 2.25	+ 31.25
2.25	North			- 2.25	0.00

Total Lat. Total Dep.

26.93	213.38
10.89	152.66
9.95	41.56
7.04	34.95
- 2.25	0.00
0.00	0.00

19° 19' RT.

23° 15'

44° 35'

68° 41' RT.

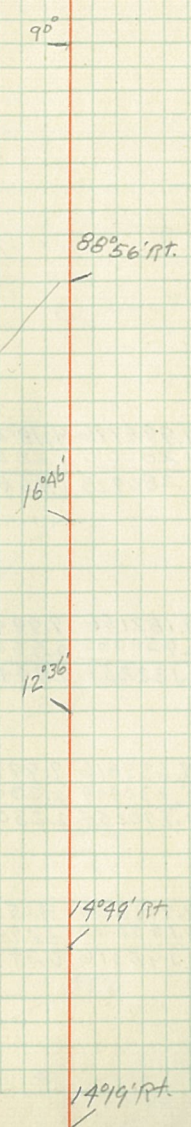
89° 38' RT.

did Fire Tower. Cass Lake.

Dist.	Bearing	Log. Cos.	Log. Sin.	Lat.		Dep.	
				N- S+	E+ W-		
156.83048	East.			0.0	+4.35		
179.59	S. 0° 49' E.	$\frac{9.999956}{2.195360}$ $\frac{8.153907}{2.195360}$ $\frac{0.349267}{2.195316}$		+156.80	+2.24		
12.69	S. 89° 45' E.	$\frac{7.639816}{2.259300}$ $\frac{9.999996}{2.259300}$ $\frac{-1.894116}{2.254296}$		+0.78	+179.59		
22.60	S. 72° 59' E.	$\frac{9.466398}{1.103962}$ $\frac{9.980558}{1.103962}$ $\frac{0.569810}{1.084020}$		+3.71	+12.13		
62.80	S. 60° 23' E.	$\frac{9.693898}{1.354108}$ $\frac{9.939195}{1.354108}$ $\frac{1.048006}{1.293303}$		+11.17	+19.65		
	S. 75° 12' E.						

Total Lat.	Total Dep.
199.39 ✓	431.34 ✓
199.39 ✓	426.99 ✓
42.59	424.75
91.81	245.16 ✓
38.10	233.03 ✓
26.93	213.38 ✓

□ Cuba Hill Fire Tower.



Dist. Bearing Log. Cos. Log. Sin. Lat. Dep. N S+ E+ W-

1
19.32
*
891.38
*
170.00
*
156.83
*
4.35
West

N. 8° 45' E.	$\frac{9.999916}{1.286007}$	$\frac{9.182196}{1.286007}$	-19.10	+2.94
	1.280923	0.968203		
S. 81° 15' E.	$\frac{9.182196}{2.950063}$	$\frac{9.999916}{2.950063}$	+135.60	+881.00
	2.132259	2.944979		
S. 89° 45' E.	$\frac{7.639816}{2.230449}$	$\frac{9.999996}{2.230449}$	+0.74	+169.98
	-1.870255	2.230445		
N. 0° 49' W.	$\frac{9.999956}{2.195360}$	$\frac{8.153907}{2.195360}$	-156.80	-2.24
	2.195316	0.349267		
West				-4.35

1389779

Total Lat. Total Dept.

159.83	1478.67
178.93	1475.73
43.33	599.73
42.59	424.75
199.39	426.99
199.39	431.34

□ Beta Tower.

90°

8° 30'

91° 04'

89° 11'

90°

□ Cuba Hill Fire Tower.

Dist.	Bearing	Log. Cos.	Log. Sin.	Lat.	Dep.	Total Lat.	Total Dep.
				N.-S+	E+ W-		
26.95	N. 0° 25' E.	9.999988 1.430559 1.430547	7.861662 1.430559 1.292221	-26.95	+0.20		
167.19	N. 0° 01' E.	0.000000 2.215343 2.215343	6.463726 2.215343 2.679069	-167.19	+0.05		
43.11	N. 0° 33' W.	9.999980 1.634578 1.634558	7.982233 1.634578 1.616811	-43.11	-0.41		
40.29	N. 6° 06' W.	9.997534 1.605197 1.602731	9.026386 1.605197 0.631583	-40.06	-4.28		
60.95	N. 0° 54' E.	9.999946 1.789974 1.784920	8.196102 1.789974 1.981076	-60.93	+0.96		
43.18	S. 89° 45' E.	7.639816 1.635283 1.275099	9.999996 1.635283 1.635279	+43.18	+0.19		

1389779

Total Lat. Total Dep.

707.54 464.45

Δ Lt. 37° 50'

734.49 464.25

Δ Rt. 0° 24'

898.68 464.20

Sec 7

Sec 9

Sec. Cor. Δ Rt. 0° 39' RT.

941.79 464.61

Δ Rt. 5° 33'

981.85 468.89

Sec 9

Sec. Cor.

Δ Lt. 7° 00'

1042.78 467.93

Δ Lt. 89° 21'

1042.59
1000.00 add
42.59424.75
424.75

389° 25' E

88° 56' RT. To Cuba Hi 77 Tower.
S. 0° 49' E.

			Lat.	Dep.
	Bearing	Log. Cos.	Log. Sin.	N - S + E - W
* 13.33	N. 22° 29' W	9.965668 1.124830 1.090498	9.582535 1.129830 0.707365	-12.32 -5.10
* 16.88	N. 25° 39' E	9.954944 1.227372 1.182316	9.636360 1.227372 0.863732	-15.22 +7.31
* 18.69	N. 53° 10' E	9.777781 1.271609 1.049390	9.903298 1.271609 1.174907	-11.20 +14.96
* 44.04	N. 3° 00' W	9.999404 1.643847 1.643251	8.718900 1.643847 1.036264	-43.98 -2.31
* 15.56	N. 20° 21' W	9.972011 1.192010 1.164021	9.541272 1.192010 0.733282	-14.59 -5.41
* 26.18	N. 34° 04' E	9.918233 1.917970 1.336203	9.748310 1.917970 1.166280	-21.69 +14.67
* 15.85	N. 37° 25' W	9.899451 2.00029 1.099980	9.783623 1.200029 0.983652	-12.59 -9.63

Total Lat. 575.95 Total Dep. 478.94

Δ Lt. 68° 21'

3.00863

Mississippi River

588.27 484.04

Δ Lt. 48° 08'

603.49 476.73

Δ Lt. 27° 30' 30"

614.69 461.77

Δ Rt. 56° 10'

658.67 464.08

Δ Rt. 17° 21'

673.26 469.49

Δ Lt. 54° 25'

694.95 454.82

Δ Rt. 71° 29'

707.54 464.95

Δ Lt. 37° 50'

Dist.	Bearing	Log. Cos.	Log. Sin.	Lat. N. - S	Dep. E - W
24.00	N. 3° 32' E.	9.999174 1.380211 1.379385	8.789787 1.380211 0.169998	-23.96	+1.88
76.86	N. 0° 22' E.	9.999991 1.885700 1.885691	7.806196 1.885700 -1.691896	-76.86	+0.99
45.99	N. 2° 06' W.	9.999708 1.657938 1.657146	8.563999 1.657938 0.221437	-45.91	-1.67
41.24	N. 0° 40' 30" W.	9.999970 1.615319 1.615289	8.071137 1.615319 -1.686456	-41.24	-0.99
40.00	N. 0° 17' W.	9.999995 1.602060 1.602055	7.694173 1.602060 -1.296233	-40.00	-0.20
17.21	S 89° 04' W.	8.211895 1.235781 -1.447676	9.999942 1.235781 1.235723	+0.28	-17.21

Total Lat. Total Dep.

398.76 461.34

Δ Lt. 5° 16'

372.72 459.86

Δ Rt. 3° 10'

327.46 459.56

Read to Big Lake Camp

Sec. Cor.

449.58 459.37

Δ Rt. 2° 28'

□ School House

5.44

494.99 461.04

Δ Lt. 1° 25' 30" Sec. Cor.

536.23 461.53

Δ Lt. 0° 23' 30"

576.23 461.73

Sec. Cor.

(Sec 15)

Δ Rt. 90° 39'

575.95 478.94

Δ Lt. 68° 27'

Dist.	Bearing	Log. Cos.	Log. Sin	Lat.	
				N - S	E + W
80.00	N. 0° 33' E.	9.999980 1.903690 1.903070	7.982233 1.903090 1.985323	-80.00	+0.77
79.95	N. 1° 56' 30" E.	9.9999750 1.902818 1.902568	8.529962 1.902818 0.432780	-79.90	+2.71
36.92	S. 89° 36' 30" W.	7.834694 1.567262 1.401956	9.999990 1.567262 1.567252	+0.25	-36.92
42.03	S. 86° 56' 30" W.	8.727167 1.623559 0.350726	9.999381 1.623559 1.622990	+2.24	-41.97
96.16	N. 1° 44' W.	9.999601 1.982994 1.982795	8.480693 1.982994 0.463687	-96.12	-2.91
	N. 3° 32' E.				

Total Lat. Total Dep.

95.23 383.02 Sec. Cor.

(Approx. Lat. Pimische Tower.
Lat. Dep.
1803.0 280.00)

175.23 382.25 Δ Lt. 1° 23' 30"

255.13 379.54 Δ Rt. 92° 20'

254.88 416.96 Δ Rt. 2° 40'

1252.64 458.43 Δ Lt. 91° 19' 30" Sec. Line Road

(Sec. 26)

(Sec. 35)

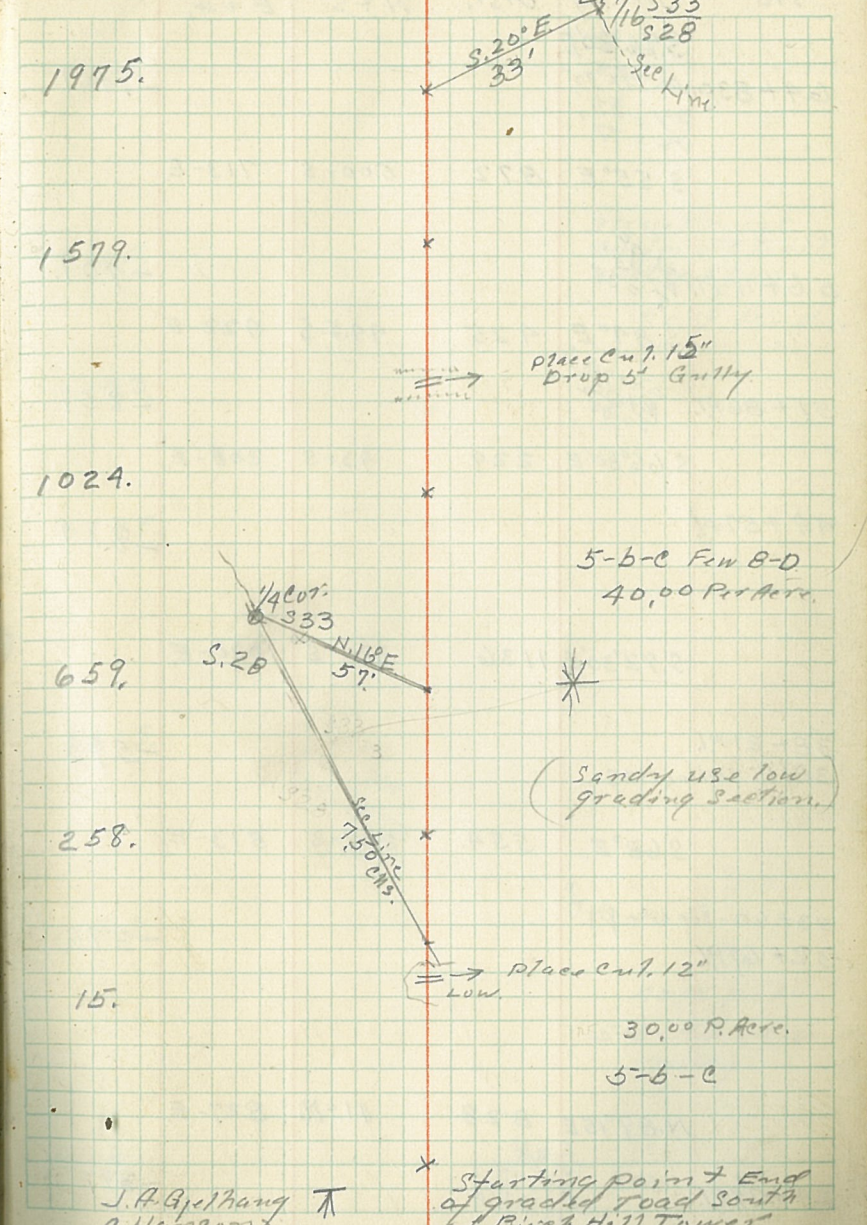
398.76 461.34 Δ Lt. 5° 16'

Track trail Survey North of Mississippi River and up to Outlet Sugar Lake to Winnie

Station	Bearing	Dist.	Lat. N+S.	Dep. E+W.	Totals
24+39 Pl.					-397
	N.55°45'E	481	270-N	396-E	
19+58 Pl.					-667
16+60	S.89° E.	555.	102-S	555-E	
14+03 Pl.					-657
	S.63°36'E	409	182-S	365-E	
9+94 Pl.					-475
	S.88°45'E	401.	052-S	401-E	
5+93 Pl.					-470
	S.53° E.	305.	183-S	243-E	
4+00 sec. Line.					
3+90					-287
2+88 Pl.					
	S.03°E	288.	287-S	15-E	
0+00					

(Va. 7°)

Totals Dep. E+W - Schley Camp F-22 T.F. Tr. #468



J. A. G. Johnson
C. Hanson
G. Erickson
C. Braaten

Starting point + End of graded road South of Birch Hill Tower Sec. 28-T. 146N. R. 29W. May 28th 1935

Sta.	Bearing	Dist.	Lat. N+S	Dep. E+W	Totals Lat N+S-
64+83 P.I.	S.76°30'E 21°30' 32' 37'				-1401.
	S.55°E	872	500-S	713-E	
56+11-P.I.	29° 25' 39'				-901.
	S.84°E	425	44.5-S	422-E	
51+86 P.I.	17°30' 11' 32'				-857.
	S.66°30'E	229.	43-S	208-E	
49+57-P.I.					-814.
	S.72°30'E	1136.	321-S	1020-E	
38+21-P.I. 38+15-See line N+S.					-593.
	S.68°E	554.	207-S	513-E	
33+60-See line E1 ^b 32+67 P.I.					-386.
	N.89°15'E	828	11-N	827-E	
29+39 P.I.	E11 to 14 R=250' M.O. 22/4				-397
	N.55°45'E				

Totals
Lat.
E+W-

5678.

4965.

4543.

4335.

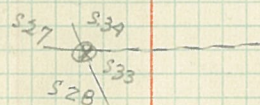
3315.

2802.

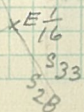
1975.

straighten out
Dev. fm old trail?
Mostly open

30.00 Per Cent.



40.00 per cent.
5-6- Few, S-C-D.
Sandy



Sta	Bearing	Dist	Lat. N+S	Dip E+W	Totals Lat N+S
102+94 Pl.					-1141.
	N. 83° 30' E	885	100.-N	878-E	
94+09 Pl.					(9) -1241.
94+05 300. Lm					
	N. 79° 45' E	446	78-N	439-E	
	$\Delta = 17^{\circ} 45'$				-1319.
89+63 Pl.	$\Delta = 2.1'$		15-S	1145-E	
	$T = 22'$				
	S 82° 30' E	116			
	$\Delta = 22^{\circ} 00'$				-1304.
88+47 Pl.	$\Delta = 2.9'$				
	$T = 29'$				
	N. 75° 30' E	593	148-N	572-E	
	$\Delta = 19^{\circ} 30'$				
	$T = 2'$				
82+59 Pl.	$T = 24'$				-1952.
	3.86° E	854	595-S	848-E	
					-1392.
74+00 Pl.					
	S. 80° 30' E	379	06.2-S	372-E	
	$\Delta = 15^{\circ} 15'$				
	$T = 2'$				
70+21 Pl.	$T = 27\frac{1}{2}'$				-1398.
69+50 Pl.					
	N 84° 15' E	248	140-N	2045-E	
	$\Delta = 19^{\circ} 15'$				-1538.
	$T = 34'$				
66+22 Pl.					
	S 76° 30' E	290	137-S	255-E	
69+83 Pl.					-1401.

Totals
Dip
E+W
9361.

133
94
39

\rightarrow cu 7.15"

5-c-D.
100,00 Per Acre.

8483.

Line
29.90 chs Fm South

8094.

7929.

7357.

80,00 P. Acre
07d T 7007.

6509.

Straight in out
Heavy going.

6137.

8-c-b-5-c-b.
Thick.
90,00 Per Acre

5933.

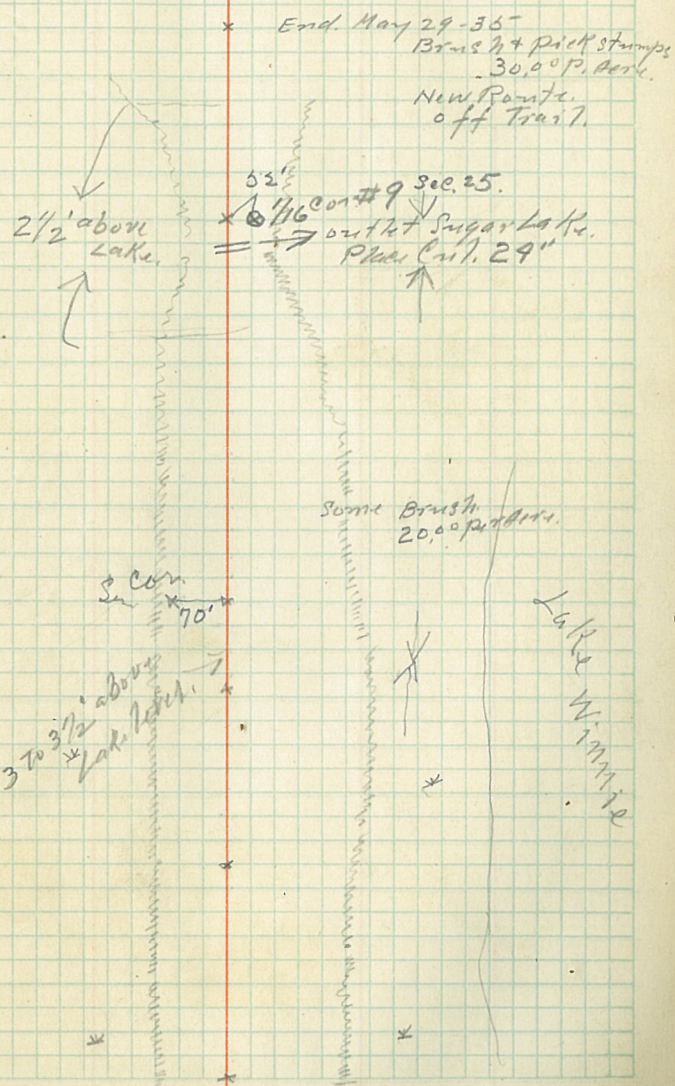
1/4 cot. 18.20 chs
1/4 Line

5678. 327. 339

Sta	Bearing	Dist.	Lat N+S	Dep. E+W	Totals Lat N+S +281.
144+10 Pl.	N. 40° 30' E.	940	715-N	610-E	-434.
134+70 Pl.	N. 68° E.	154	575-N	144-E	-492.
133+16 Pl. 132+00	N. 84° 30' E.	524	50-N	521-E	-592.
127+92 Pl.	N. 71° 45' E.	387	121-N	367-E	-663.
124+05 Pl.	N. 80° 30' E.	653	108-N	643-E	-771.
117+52 Pl.	N. 61° 45' E.	318	150.5-N	280-E	-921.
114+34 Pl.	N. 55° E.	314	180-N	256.5-E	-1101.
111+20 Pl.	S 74° 15' E.	419	113.5-S	403-E	-987.
107+01 Pl.	N. 67° 45' E.	407	154-N	375.5-E	-1191.
102+94 Pl.	N. 83° 30' E.				

Totals Dep. E+W	Notes
(2961.	Surface Beach Sand by Haul binding Gravel
12351.	Clearing little brush 10.00 per acre, No Grading open Beach Sand.
12207.	
11686.	
11319.	
10676	1790. Area 124+05 653 2#00
10396.	
10139.	5-c 3c-b 70.00 per Acre
9736.	8-c-b 5-c-b. 80.00 per Acre
9361.	

Sta	Bearing	Dist.	Lat. N+S	Dep. E+W	Totals Lat. N+S-	Totals Dep. E+W-
178+00					2594.	15332.
	N.45°E.	411.	291-N.	291-E.	2303.	15041.
173+89 Pl. 173+50 cul.						
			1122-N.	1225-E.		
	N.47°30'E.	1661			1181.	13816.
157+28 Pl.						
	N.39°15'E.	221	171-N.	140-E.		
155+07 Pl.					1110.	13676.
	N.45°30'E.	305.	219-N.	217-E.		
152+02 Pl.					896.	13459.
	N.39°E.	792	615-N.	498-E.		
149+10 Pl.					+281.	12961.
	N.40°30'E.					



Sta.	Bearing	Dist.	Lat N+S	Dip E+W	Total Lgt. 3+N- 980.5	Total Dip E+W
29+38 Pl.	N23°30'E	143	131.5-N	57-E	1111.5	4965
22+95 Pl.	N87°15'E	95	9-N	95-E		7908
22+00 Pl.					1115.5	7813
	97° E	526	180-S	493-E		
16+74 Pl.	928°15'E	134	118-S	63.5-E	935.5	1320.
15+40 Pl.	S57°45'E	197	107-S	165-E	817.5	1256.5
13+43 Pl.	S71° E	128	41.5-S	122-E	710.5	1091.5
12+15 Pl.	S54°45'E	154	89-S	126-E	679.	969.5
10+61 Pl.	S66°30'E	237	91-S	217-E	590.	843.5
B+24 Pl.					499.	626.5
6+58-	S49° E	270	177-S	204-E		
5+54 Pl.					322.	422.5
3+44 Dup Gully	S55°1°E	315	198-S	245-E		
2+39 Pl.					124°	177.5
0+83 Pl.	S41°45'E	146	109-S	95-E	59	82.5
D+00	S86°30'E	83	5-S	82.5-E		

J.A. Gjelvang
C. Hanson } Chem.
G. Erickson }
M. Thorsen Ax.

9000 P. Area
A-D-C

4-b-c

Corduroy + Surfacing
Swamp 4-b-c-B-b.
Soundings 8'

A-C

(12' Clear Cut 47)
9000 Per Area
M-C-B-b.

7 Deep Gully, P. Cut, 15"
Fill 50x2

P. cut, 15" Deep Gully.
7500 P.C.

Heavy Bal. + 3-C-b.
Clear Cut 12'

Starting Point
on Third River Road
May 31-35

Sta.	Bearing	Dist.	Lat. N+S	Dep. E+W	Totals Lat. S+N-
46+28 Pl.	N66°E	146	592-N	133-E	710 130.5
44+82 Pl.	N.39°E	78	605-N	49-E	1910
44+04 Pl.					
43+81 Line	N65°E	211	89-N	191-E	
42+60 enl.	(188)				280.0
41+93 Pl.	367°E	61	24-S	56-E	2562
41+32 Pl.	340°30'E	228	173-S	148-E	83.0
39+60-end					
39+04 Pl.	N89°45'E	85	00-N	85-E	83.0
38+19 Pl.	N63°E	274	120-N	244-E	203.0
35+45 Pl.	N50°E	317	204-N	243-E	407.0
32+28 Pl.	N.36°45'E	123	98-N	73-E	505.5
31+05 Pl.	N.21°45'E	163	151-N	60-E	656.5
29+42 Pl.	N.42°15'E	124	91-N	83-E	748.0
28+18 Pl.	N.08°E	63	62-N	09-E	810.5
27+55 Pl.	N.27°30'E	109	96-N	50-E	907.0
26+46 Pl.	N58°45'E	101	52-N	86-E	959.5
25+45 Pl.					
25+15' set line	N79°E	107	205-N	109-E	980.0
24+38 Pl.	N.23°30'E	(77)			

Totals
Dip.
E+W-

3581.

3448

3399

3208

3152.

3004.

2919.

2875

2932.

2359.0

2298.5

2215.0

2206.0

2155.5

2069

1965.

1/16 #2
← North
8.15 chs

→ Point 15'

Trait

(City Grubed 12)
10000 P. Area
A-D-C

10000 P. Area
A-D-C

sep cor
* 314 North, #7 1/16
30'
315 ← 20,500 chs

Sta.	Bearing	Dist.	Lat. N+S.	Dep. E+W.	Totals Lat. S+N-
					1477.5
69+38 PI	S 13° W.	94	91-S	21-W.	
68+44 PI	S 0° 30' E	67	67-S	02-E	1386.5
67+77 PI	S 11° 30' W.	127	124-S	25-W.	1319.5
66+50 PI	S 24° W.	116	106-S	47-W.	1195.5
65+34 PI	S 63° W.	71	32-S	63-W.	1089.5
64+63 PI	S 46° 15' W.	245	169-S	177-W.	1057.5
62+18 PI	S 39° 30' W.	100	77-S	63.5-W.	888.5
61+18 PI	S 09° W.	73	72-S	11-W.	811.5
60+45 PI					739.5
59+30 cul	S 26° 15' W.	228	205-S	101-W.	
58+17 PI					534.5
57+8 PI	S 40° 45' E	300	227-S	195.5-E	307.5
55+17 PI	S 89° 15' E	146	00-S	146-E	307.5
53+71 PI	S 39° E.	126	97.5-S	79-E	210.0
53+00 cul	S 39° E.				160.0
52+45 PI	S 59° 30' E	99	50-S	85-E	43.0
51+46 PI	S 21° 30' E	126	117-S	46-E	
50+20 PI	S 82° 30' E	49	06.5-S	48.5-E	36.5
49+71 PI	N 72° E.	112	34.5-N	106-E	71.0
48+59 PI	N 89° 45' E	231	00-N.	231-E	
46+28 PI	N 66° E				71.0

Totals
Dep.
E+W-

4010.

4031.

4031.

4056.

4103.

4166.

4343.

4406.

4417.

4518.

4522.

4176.

4097.

4012.

3966.

3918.

3812.

3581.

M-C-D
~~3-C-D~~

R. cul. 15"

old trail

100 yds per acre

has been low cut
a cleared 12'

3-C-A-C

cul. 15"
R. 77 50' x 1' old crossing

Sta.	Bearing	Dist.	Lat N+S	Dep E+W	Totals Lat S+N-
97+19PI	S52°15'E	98	60-S	77-E	2521.
96+21PI	S44°15'E	139	99-S	97-E	2461.
94+82PI	S70°30'E	418	141-S	394-E	2362.
90+64PI	S85°30'E	427	33-S	425-E	2221.
86+37PI	S38°E	114	90-S	70-E	2188
85+23PI	S45°E	267	188-S	188-E	2098.
82+56PI	S58°30'E	149	78-S	127-E	1910.
81+07PI	S70°45'E	290	97-S	274-E	1832.
78+17PI	S67°15'E	123	48-S	113-E	1735.
76+94PI	S86°E	143	10-S	142-E	1687.
75+51PI	N.81°30'E	404	06-N	400-E	1676.5
71+47PI	S12°E	111	108-S	23-E	1682.5
70+36PI	S05°W	98	97-S	01-W	1574.5
69+38PI	S13°W				1477.5

Totals
Dep.
E+W-

6339.
6262.
6165.
5771.
5346.
5276.
5088.
4961.
4687.
4574.
4432.
4032.
4009.
3010.

ET4

Sugar Lake

First grade up
side ditches + cut, 12"

Surface with
Clay 150'-1'x12'
and coat of gravel

Soft
Surface

116 #5
10.15 chs
S114 = North

78+17

Sugar Lake

Down 60 grade

Ind. w. quartz

Sta.	Bearing	Dist.	Lat. N+S.	Dep. E+W.	Totals Lat. S+N-	Totals Dep. E+W-
124+60P1.					3337.	8788.
	386° E.	288	20-S	286-E.		
121+12P1.					3317.	8502
	387° 15' E.	452	21-S	450-E.		
116+60P1.					3296.	8052.
	382° E.	351	49-S	348-E.		
113+09P1.					3247.	7904.
	358° E.	223	118-S	189-E.		
110+86P1.		202	91-S	181-E.	3129.	7515.
	363° 15' E.				3038.	7334.
108+84P1.	352° E.	88	54-S	69-E.		
107+96P1.					2984.	
	373° 15' E.	214	62-S	205-E.		
105+82P1.					2922.	7060.
	384° 45' E.	211	19-S	210-E.		
103+71P1.					2903.	6850.
103+00	340° E.	110	84-S	71-E.		
102+61P1.					2819.	6779
	354° E.	149	88-S	120-E.		
101+12P1.					2731.	6659
	368° 15' E.	217	80-S	202-E.		
98+95P1.					2651.	6457
	342° 15' E.	176	130-S	118-E.		
97+19P1.					2521.	6339.
	352° 15' E.					

Sec. Line 313
x 78000 hrs.
109+96 N. to Sec. Line
514.

* MC.

Sugar
Lake

1747.

Sta.	Bearing	Dist.	Lat. N/S	Dep. E/W	Totals Lat. B+N-
154+85	324°45'E				5363.
	355°30'E	370	209-S	304	
151+15PI					5159
	359°E	290	150-S	249-E	
148+25PI					5009.
	360°30'E	243	120-S	211-E	
145+82					4884.
	333°15'E	312	260-S	171-E	
142+70PI					4624.
	320°E	173	162-S	59-E	
140+97PI					4562.
	310°30'E	299	294-S	55-E	
137+98PI					4268.
	322°45'E	270	249-S	104-E	
135+28PI					4019.
	320°15'E	315	295-S	109-E	
132+03PI					3724.
	327°15'E	149	132-S	68-E	
130+54PI					3592.
	349°E	247	127-S	186-E	
128+07PI					3465.
	373°15'E	407	128-S	390-E	
124+00PI					3337.

Totals
Dep.
E+W-

10694.

10390.

10141.

19930.

19759.

9700.

9645.

9541.

9432.

9369.

9178.

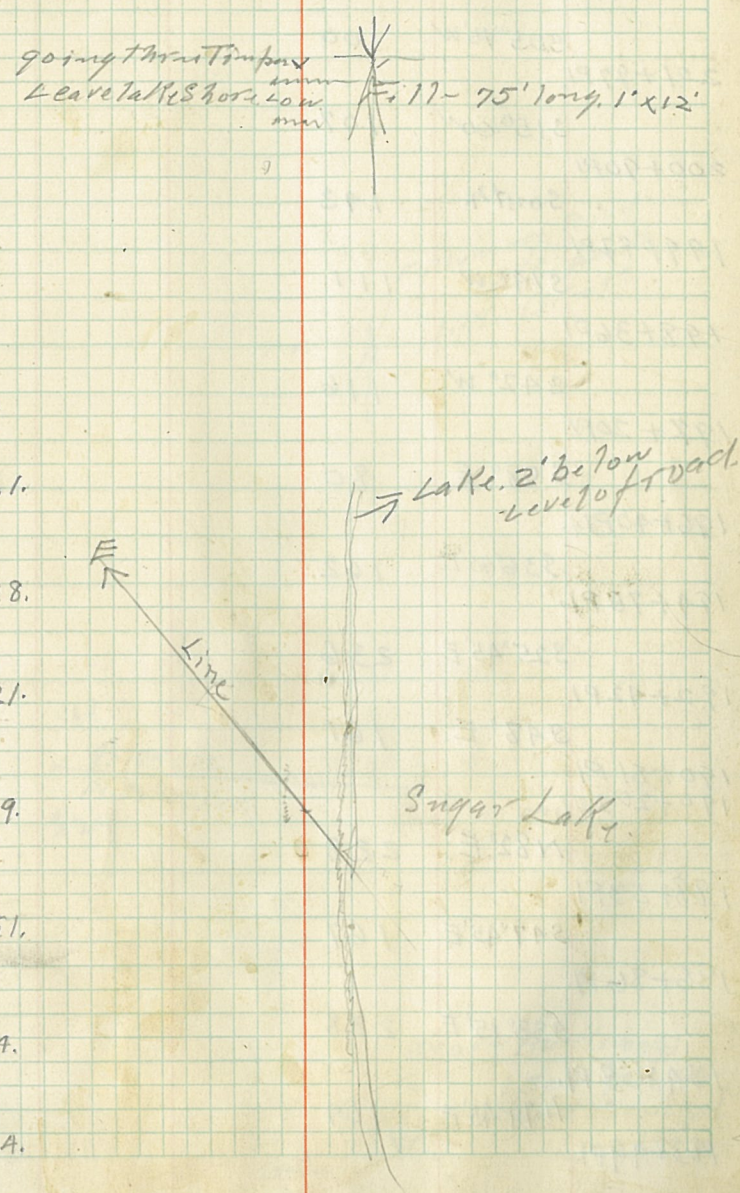
8788.

36000 lbs.
E. to sea. Col. 31

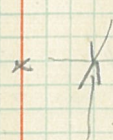
Sugar Lake

Sta.	Bearing	Dist	Lat N+S	Dep E+W	Totals Lat S+N
183+49PI	S39° E	146			
182+03PI	S10°30' W	164			
180+39PI	S04°30' W	125			
179+14PI	S13°15' E	99			
178+15PI	S31°15' E	104			
177+11PI	S17°15' E	193			
175+18PI	S27°30' E	159	141-S	73-E	7022
173+59PI		210			6881
	S18° E	216	205-S	67-E	
171+38PI		322			6676
	S34°30' E	322	230-S	182-E	
168+16PI		730			6446
168-Line	S42° E	730	541-S	488-E	
160+86PI		405			5905
	S26° E	405	364-S	177-E	
156+81PI		196			5541
	S24°15' E	196	178-S	80-E	
154+85PI					5363
	S55°30' E				

Totals E+W
11761
11688
11621
11439
10951
10774
10694



202+97PI	S58°15'	
201+97PI	S05°45'W	100
200+90PI	S15°50'W	107
199+47PI	South	143
198+36PI	S14°W	111
197+20PI	S42°W	116
196+40PI	S08°E	80
194+78PI	S36°45'E	162
192+42PI	S25°45'E	236
190+81PI	S48°E	161
190+20 sec 2 nd line	N82°E	228
188+53PI	S47°45'E	167
186+86PI	S33°15'E	228
184+58PI	N79°45'E	109
183+49PI		

x  Following Road
Lumber Bench
Little Branch

S49

x 45.75 chs.
N. to Sec. cor.
S24

Heavy Hardwoods
150' per A.P.R.
clear & grubbed
10'



New route
255+00 to Sta. 173+50 TT 468.

255+52 P1

248+00 349°W 941
246+11 P1

242+25 Line (1153)

237+00 340°30'W 1539

230+72 P1

346°30'W 416

226+56 P1

360°15'W 714

219+42 P1

356°W 606

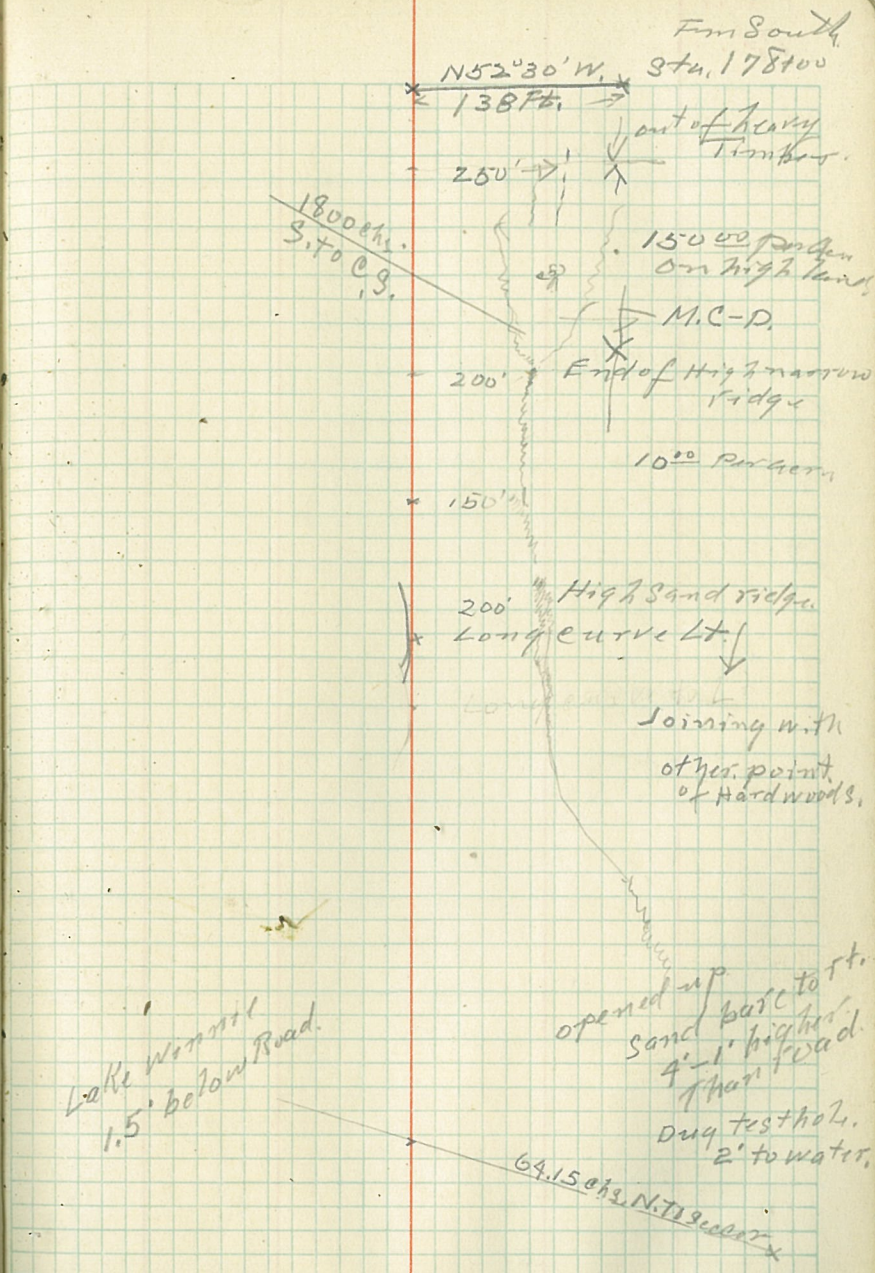
213+36 P1

351°30'W 741

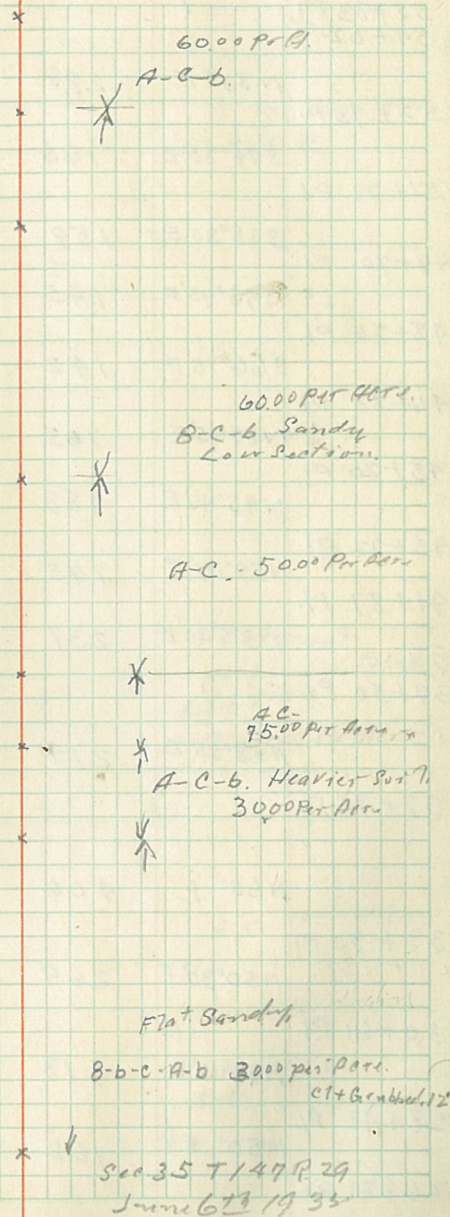
205+95 P1. 4 Line

358°15'W 298

202+97 P1



Sta	Bearing	Dist
26+81 P.I.		
24+88 P.I.	N31° E.	193
22+41 P.I.	N57°45' E.	247
20+17 P.I.	N74°30' E.	224
18+51 P.I.	N87°30' E.	166
17+08 P.I.	S36°45' E.	143
15+34 P.I.	S54° E.	174
14+00 P.I.	S19°45' E.	134
12+40 P.I.	N87°30' E.	160
8+56 P.I.	N47°30' E.	384
	N62°15' E.	5.00
3+56 P.I.	N68°30' E.	140
2+16 P.I.	N82° E.	216.
D+00		



J. A. G. Thang
C. Hanson
G. Ertellson
R. Lawrence

Sta.	Bearing	Dist.
55+83 Pl.		
Sta. 54+62	N 83° E	288
52+95 Pl.		
	S 74° 30' E	166
51+29 Pl.		
	S 38° 30' E	159
49+70 Pl.		
	S 48° 45' E	145
48+25 Pl.		
	S 66° 15' E	142
46+83 Pl.		
	N 87° 15' E	163
45+20 Pl.		
	N 45° 45' E	188
43+32 Pl.		
	N 54° 15' E	145
41+87 Pl.		
	N 38° 30' E	237
39+50 Pl.		
	N 58° 45' E	214
37+36 Pl.		
	N 68° E	406
33+30 Pl.		
	N 50° 30' E	269
30+61 Pl.		
	N 48° 15' E	218
28+43 Pl.		
	N 50° E	162
26+81 Pl.		
	N 31° E	

8000 P.A.
5-e-a-c.

Flat
higher sec. Grade
off ridge.
A-C-70.00 P.A.

A-C-100.00 P.A.

150.00 P.A.
5-D.

Sta	Bearing	Dist.
85+07 P1.	S 22° 15' E	87
84+20 P1.	S 02° W	79
83+46 P1.		
82+13 P1.	S 17° E	133
	S 20° E	182
80+31 P1.	S 39° 45' E	128
79+03 P1.		
	S 22° 15' E	158
77+45 P1.		
	S 47° E	154
75+91 P1.	S 55° E	172
74+19 P1.	S 39° 30' E	119
73+00 P1.	S 54° E	451
68+49 P1.		
	S 46° 30' P1.	199
67+00 P1.		
	S 43° 30' E	252
64+48 P1.		
	N 43° 15' E	
61+09 P1.	S 60° 15' E	275
61+73 P1.	N 36° 30' E	
	S 55° 30' E	238
59+35 P1.	N 07° W	
56+03 P1.	S 30° 30' E	146
57+95 P1.		
	S 89° E	212
55+83 P1.		
	N 83° E	

80+00 P1.

82+50 → cut 12" side hill

78+00 = → 12" cut side hill

72+50 = cut 12" 80+00 P1.
AC-D

sandy.
8000 P. Area
5-e-D.

Sta.	Bearing	Dist.	
104+86 Pl.			
	S 83° E.	104	
103+82 Pl.			
	N 86° 45' E.	108	
102+74 Pl.			
	N 58° E.	116	
101+58 P.			
	N 86° E.	111	
100+97 Pl.			
	S 76° E.	130	
99+17 Pl.			
	S 44° E.	123	
97+94 Pl.			
	S 09° E.	150	
96+94 Pl.			
96+00 ^{yeck line}	S 28° 30' W.	150	
94+94 Pl.			
	S 23° 45' E.	114	
93+80 Pl.			
	S 16° 30' E.	250	
91+30 Pl.			
	S 09° W.	130	
90+00 Pl.			
	S 21° 15' E.	88	136
89+12 Pl.			
	S 14° E.	92	140
88+20 Pl.			
	S 06° 15' E.	102	
87+18 Pl.			
86+00 cut.			
	S 01° 15' E.	211	
85+07 Pl.			
	S 22° 15' E.		

140.00 pft down
A-D-C.

X

⇒ cut 7 1/2"

⇒ cut 12"

S 1

22.75 chs. W to Sta. Cor. X

S 36

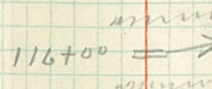
⇒ cut 15"

MC-D 1250° P. A

86+70' = cut 15" Bm 114

X

Sta.	Bearing	Dist.
	N48°45'E	
122+63 Pl.	S79°36'E	111
121+52 Pl.	S89°15'E	165
119+87 Pl.	N66°30'E	131
118+56 Pl.	N79°45'E	83
117+73 Pl.	S82° E	81
116+92 Pl.	S69°45'E	213
114+79 Pl.	S56°30'E	126
113+53 Pl.	S67° E	129
112+29 Pl.	S61°45'E	154
110+70 Pl.	S71° E	95
109+75 Pl.	S67° E	107
108+68 Pl.	S50°45'E	95
107+73 Pl.	S17°45'E	82
106+91 Pl.	S31°30'E	111
105+80 Pl.	N75° E	94
104+86 Pl.	S83° E	



 116+00 → Place 15" cut.

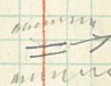
 Low SW 1/4.

 Fr. 77, 100' x 1/2'

 Surface.

125⁰⁰ P. Area

 A-D-C-



 106+91 Pl. → cut 1.15" Fr. 77 50' x 1'

A-D-C- 140⁰⁰ P. Area

146+79Pl		
	S 42° E	248
143+31Pl		
	S 71° 30' E	123
142+08Pl		
	S 35° 30' E	123
140+85Pl		
	S 57° 30' E	127
139+58Pl		
	S 44° E	143
138+15Pl		
	S 56° E	154
136+61Pl		
	S 51° 30' E	161
135+00Pl		
	S 47° 30' E	171
133+29Pl		
	S 54° 45' E	98
132+31Pl		
	S 42° E	155
130+76Pl		
	S 63° E	90
129+86Pl		
	S 77° E	105
128+81Pl		
127+22Pl		
	S 75° 30' E	235
126+96Pl		
	S 65° 15' E	99
125+67		
	S 56° E	129
124+38Pl		
	S 89° E	42
123+96Pl		
	N 48° 45' E	133
122+63Pl		

1500 PD
M-C-3-C

X

sic line near
(2400 dm S to 4
66.0 S to Sec 00.

⇒ cut, 12" Drain
Side hill

1500 PD
A-D-C

X

123+35 ⇒ cut, 15"

166+90PI.	370°30'E	185
165+05PI.	East.	114
163+91PI.	362°15'E	219
161+72PI.	354° E.	155
160+17PI.	354°30'E	81
159+36PI.	347°15'E	110
158+26PI.	368° E.	126
157+00PI.	351°30'E	85
156+15PI.	360° E.	106
155+09PI.	349° E.	179
153+30PI.	315°15'E	164
151+66PI.	373°15'E	166
150+00PI.	370°15'E	177
148+23PI.	359°30'E	102
147+21PI.	331° E.	142
145+79PI.		

H.C. 130 PA.



= and 12"

MC-140.00P Pa.
3-c

203+00

195+50

190+00

185+00

180+00

Gm S 42° E

3 E 90°

170+00

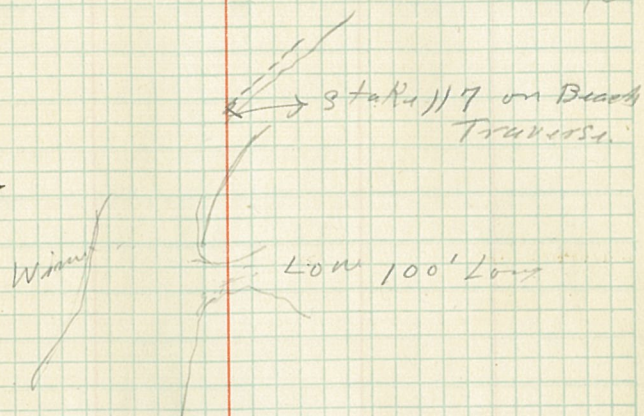
S 81° E 176

168+24 Pl.

166+90 Pl. S. 81° 45' E. 134

Ravins. Brook. 288

	117	32
2	1710	
5	2184	1710
	51604	2
	1050	



A-C-4000 PA

184+50

open part

178

2000 PA

A-C-12500 PA

Sta.	Bt.	Dist
24+80 Pl		
23+82 Pl	N31° W.	98
	N12°15' W	284
20+98 Pl.		
	N.18° E.	164
19+34 Pl		
	N32°15' W	199
17+35 Pl		
	N17° W.	146
15+89 Pl.		
14+65 1/4 line	N.80° W.	286
13+03 Pl		
	S 70° W.	221
10+82 Pl.		
	N.68° W.	159
9+23 Pl.		
	S 89°15' W.	185
7+38 Pl.		
	N.52° W.	165
5+73 Pl.		
	N.80°15' W.	373
2+06 Pl.		
	N91°30' W	179
0+21 Pl.		
0+00	S80° W.	21.

Backup page.

Tran.
East

S36 (325) 550 Ft.
to 1/4 Cor.
1/4 Cor.

T145 R30

M-C-
100° Pl. Area

F. 17.50 x 11' C.D. 102
M-C-D
130° Pl. Area
8' clear of Bar subbed.

Bar.

clearing.

38+00 End. Joining with trail for West
 N 60° W, about 600'

32+78 Pl.

30+43 Pl. N 23° W. 235

28+48 Pl. N 24° 30' W. 195

27+08 Pl. N 02° 15' E. 140

24+80 Pl.

N 09° 45' W. 228

24+80 Pl. N 31° W.

Garden
 Joining Road From West

+ open stamps.
 1000 P.A.



MC- 8' cl. + grubbed.
 800 P.A.

34+53 Pl		
	S 45° E	302
31+53 Pl		
	S 12° W	112
30+21 Pl		
	S 01° E	132
28+89 Pl		
	S 13° 30' E	249
26+40 Pl		
	S 30° E	254
23+86 Pl		
	S 40° E	150
22+36 Pl		
22+25 Pl	S 34° 15' E	136
21+00 Pl		
	S 62° 45' E	91
20+09 Pl		
	N 89° E	138
8+71 Pl		
	N 82° 15' E	175
6+96 Pl		
	S 88° E	163
5+33 Pl		
	N 83° 45' E	328
2+05 Pl		
	N 40° 15' E	205
0+00		

Back Red up

75° 00' P A

140° P A

36
335
32
39

Sol. Line
370 FT

Mc-D
140° P A
8' Cl. + Gr. P A

Bridge
S-nether Creek

55+12P

S32°15'E 288

52+24P

S63°36'E 270

49+49P

S47°45'E 312

46+32P

S07°18'E 344

42+88P

S26°30'E 219

70+69P

S54°E 124

39+45P

S35°30'E 103

38+42P

S16°45'E 116

37+26P

S25°15'E 271

34+55P

S48°E

20.00 P.A.
Brush. open.

9-D-E
15.00 P.A.

82+76 Road End

Average
S 35° E 1521

67+54 P1

S 23° E 154

66+00 P1

S 18° 15' W 214

63+86 P1

S 10° W 113

62+73 P1

S 16° E 351

59+22 P1

S 36° 15' E 163

57+59 P1

S 64° 36' E 247

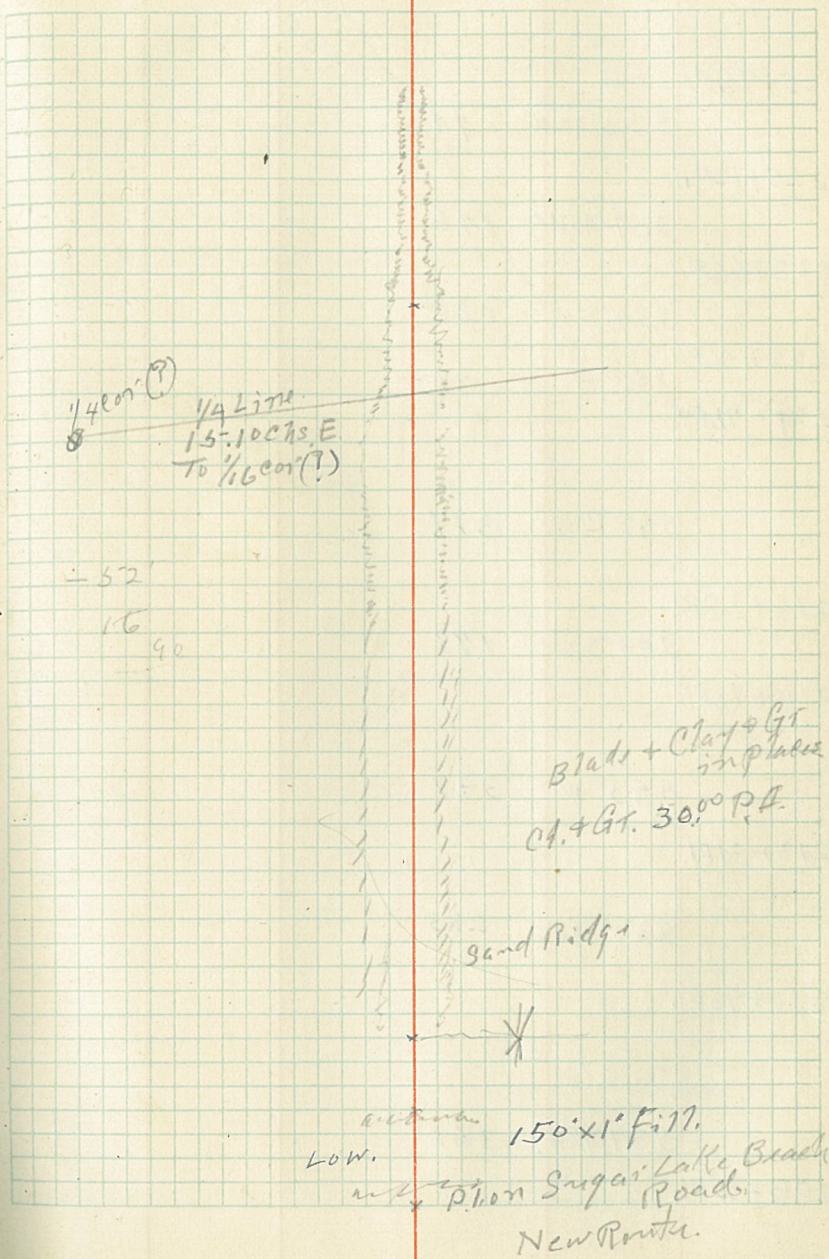
55+12 P1

S 32° 15' E

5000 P. Ave
5-e 8' chg
X
5-e
2500 P. Ave

Picture of NATALIS CURVE
Jan 11-35 - 1030 AM.

206+85PI	S34°46'W	368
203+17PI	S32°30'W	217
201+00PI	S31°45'W	206
198+94PI	S31° W	267
196+27PI	1/4 line	→ 1/4 line
194+88PI	S30° W	139
193+24PI	S27°30'W	164
191+67PI	S27° W	157
190+57PI	S25° W	110
188+26PI	S22° W	231
186+00PI	S20°15' W	226
184+73PI	S20°45' W	127
183+82PI	S06° E	91
182+02PI	S20°30' E	180
	S10°30' W	



225+86P1 Linc.

S36°30'W 74

225+12P1

S07°45'W 196

223+66P1

S34°30'W 120

222+46P1

S29°W 71

221+75P1

S48°15'W 317

218+58P1

S44°30'W 178

216+80P1

S43°W 349

213+31P1

S39°30'W 285

210+46P1

S37°45'W 361 ✓

206+85P1

215 P.C.M.
Site C.S.

End of narrow Ridge.

Sugar Lake

Narrow Ridge.

2000 P.A.

Blade to widen
a little.

245+43PI End

S45°30'W, 411

241+32PI = Sta. 178+00

S43°15'W, 261

238+71PI

S62°W, 153

237+18PI

S50°W, 137

235+81PI

S48°30'W, 154

234+27PI

233+77PI

S52°W, 245

231+82PI

S22°30'W, 34

231+48PI

S16°30'W, 112

230+36PI

S32°30'W, 68

229+68PI

S68°W, 52

229+16PI

S50°30'W, 87

228+29PI

S39°W, 52

227+77PI

S35°15'W, 69

227+08PI

S37°W, 122

225+86PI

17800

173789

4.11

41.32

245+43

* End Joining with
#468 fm. South

40,00 PA

Much Rubish

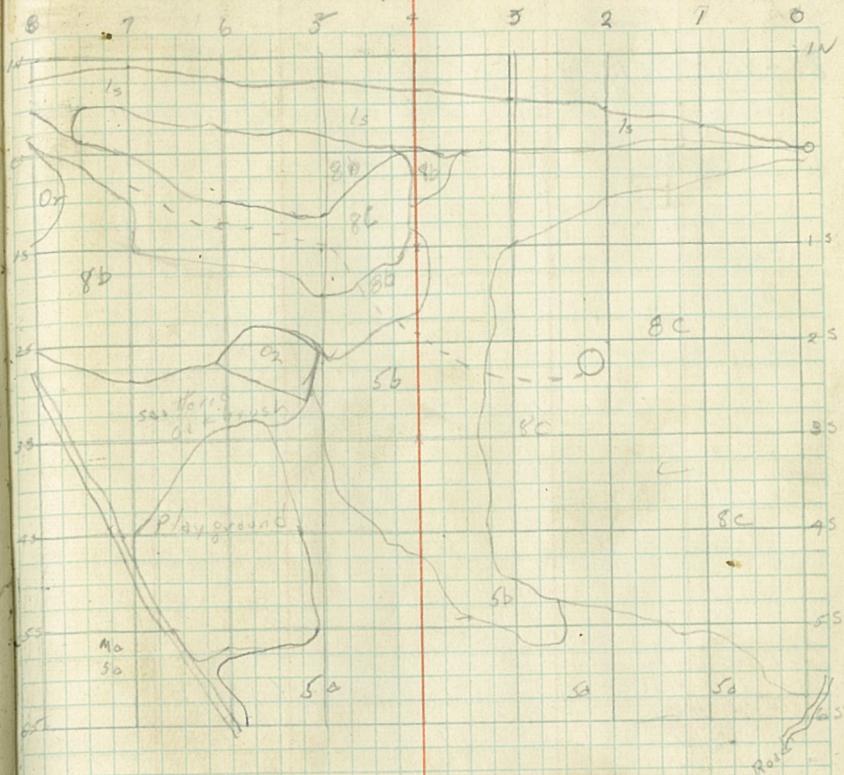
Part Open Brumal



M.D.-C

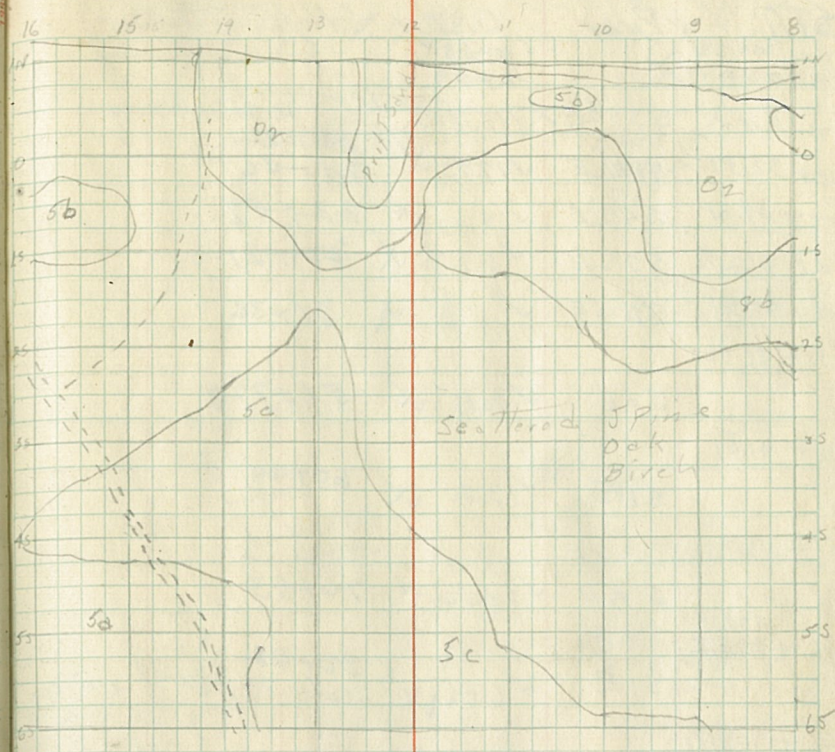
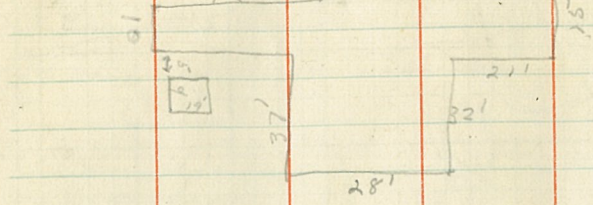
150,00 PA

Sta.	Bear	Dist.	Size	
15+4W	S59°W	18'	16'x29'	
15+4W	S76°W	18'	26'x36'	
15+4W	S12°W	40'	10'x40'	
15+5W	S30°W	23'	16'x16'	Tent foundations
(along side of 9 foundations S50°W 79')				
25+5W	N16°W	20'	9'x6'	Latrine
75+1W	S29°W	57'	9'x6'	"
15+2W	S59°E	18'	16'x16'	Tent Foundations
25+3W	N30°W	56'	16'x16'	Tent Foundations
25+5W	N45°E	6'	16'x16'	"
25+3W	S79°E	6'	16'x16'	"
05+8W	N7°E	47'	19'x32'	(3.520W along 3 side of Building)
35+7W	N6°E	69'	9'x13'	Latrine double
23+8W	N32°W	49'	11'x14'	



50X15 X 2.1 X 2.2

Sta	Bear	Dist	Size
25+9W	N130W	82	10' x 42'



STA	Bear	Dist	Notes
0 + 15.18	S 33 1/2 E	15.18	Notes T. 4515 Cuba Sugar Bay
15.18 + 32.51	N 87 1/2 E	17.33	10702
32.51 + 34.68	S 40 1/2 E	2.17	22 + 89
34.68 + 41.2 1/2	S 7 1/2 W	6.53 1/2	27 + 21
41.2 1/2 + 47.51	S 11 1/2 E	6.29 1/2	31 + 36
47.51 + 78.36	S 1 E	30.85	51 + 729
78.36 + 91.51	S 1 E	13.21	60 + 44
91.51 + 115.73	S 3/4 E	24.22	76 + 43
115.73 + 121.78	S 1 E	6.05	80 + 42
121.78 + 139.97	S 1 E	18.19	note to E-West west 200 ft line S 31 20 1/2 S 28 to 1/4 000
139.97 + 163.01	S 1 E	23.04	note 1/2 W of road 92 + 43
163.01 + 173.38	S 3/4 E	10.37	to Cuba Hill 4000 N. mt. vt 1114 + 48
173.38 + 195.11	S 1 1/2 E	21.79	128 + 86
195.11 + 211.13	S 1 1/2 E	15.96	139 + 39.6
211.13 + 233.77	S 1 1/2 E	22.64	154 + 33

Date June 24, 1939

117
200
Hwy #2
0 + 00
0 + 133
0 + 317

6.05
115.73
121.78
18.19
139.97

13.21
78.36
91.51
91.51
29.22
115.73

47.51
30.85
78.36

24.22

163.01
10.37
173.38

195.11
15.96
211.13

5665
20 kw

109
22.04
23.04

24.29
6.05
18.19

32.51
2.17
34.68

139.97
23.04
163.01

6.53 1/2
34.68
41.21

6.29 1/2

41.21
6.29 1/2
47.51

211.13
100
51.13
4800

173.38
21.79
195.11

211.13
22.64
233.77

STA	Bear.	Dist.	Notes
233.77			
233.77 + 256.11	A	5 1/2 E	22.34 ✓ 169 + 07
256.11 + 279.15		5 1/2 E	23.04 ✓ 187 + 35
279.15 + 280.30		5 1/2 E	1.15 ✓ 185 + 04 road w. pine. 33
280.30 + 307.44		5 1/2 E	27.14 ✓ 202 + 95 spot w. 3.59 ch. 533 tranship line
307.44 + 330.66		5 1/2 E	23.22 ✓ 218 + 28 {stamped bird from 22.14
330.66 + 352.00		5 1/2 E	21.34 ✓ 232 + 36
352.00 + 330.66 366.65		5 1/2 E	14.65 ✓ 242 + 03 stopped .11 E to stake left off at
		5	1755 ft. to ✓ 242 + 29 16.6 E + 11 5/4 500 w. pan 8/9 pits. 2.

Checked
7/5/39

233.77
22.34
256.11
23.04
279.15

280.30
27.14
307.44

22.34
279.15
1.15
280.30

22.
23.22

307.44
23.22
330.66
4
330
320

330.66
21.34
352.00

14.65
352.00
366.65

11.88
12.88
84

A set 4/5
 8
 STA BEAR DIST Notes
 0 + 134 ✓ 134 ✓ to center of ^{new} Hole ^{at} Lake
 134 + 423 ✓ 134 ✓ 244 + 13
 134 + 423 ✓ 134 ✓ 247 + 02
 Corrected " ✓ ~~423~~ ✓ to culvert ^{at} ^{end} of ^{road} N.W. ^{1/4}
 Sta 247 + 01
 423 + 1001 ✓ 578 ✓ 252 + 80
 " ✓ 578 ✓ to culvert ^{at} ^{end} of ^{road} N.W.
 1101 + 1366 " ✓ 366 ✓ 256 + 46
 1366 + 1705 " ✓ 339 ✓ 259 + 85
 " ✓ 339 ✓ to culvert ^{at} ^{end} of ^{road} N.W. 262 + 92
 1705 + 2003 " ✓ 298 ✓ " 262 + 83 262 + 82
 2003 + 2398 " ✓ 395 ✓ 266 + 78 266 + 77
 2398 + 3132 " ✓ 734 ✓ 274 + 92
 to culvert ^{at} ^{end} of ^{road} N.W. 274 + 11
 3132 + 3759 " ✓ 627 ✓ 280 + 37 280 + 38
 3759 + 4204 " ✓ 445 ✓ 284 + 84
 to culvert ^{at} ^{end} of ^{road} N.W. 284 + 83
 4204 + 5255 " ✓ 1051 ✓ to culvert ^{at} ^{end} of ^{road} N.W. 295 + 35
 5255 + ⁵⁴⁵⁰ " ✓ 295 ✓ to culvert ^{at} ^{end} of ^{road} N.W. 298 + 30
 5450 + 5794 " ✓ 344 ✓ 301 + 74
 Plotted 7/5/39

289
 134
 423
 578
 1001
 1366
 1705
 2003
 2398
 3132
 3759
 4204
 5255
 5450
 5794

66
 4
 26
 4
 25
 28
 9
 25
 304
 24
 64
 38
 8
 304

9
 8
 9
 1716
 432 obs
 with cur
 on post

Sta.	Bear	Dist.	Notes	
5794+6459	S 1 1/2 E	✓ 665 X	to culvert ash wood	308+39 308+33
6459+6669	"	✓ 210 X	to pine. globe 13 out	310+49 410+43
6669+7787	S 10 E	✓ 1118 X	100ft north to low wet spot off take ditch	321+67 421+61
7787+8287	"	✓ 500 X	to culvert maple/birch	326+67 426+61
8287+8947	"	✓ 660 X	to culvert (ash wood)	333+27 433+21
8947+9034	"	✓ 87 X		334+17 434+11
9034+9526	S 3/4 E	✓ 492 X	339+00 Maple, Alder - some	438+40
9526+9981	S 1/2 E	✓ 455 X	to culvert	343+61 443+55
9981+10222	"	✓ 241 X	to SL. 17/16 303' W. to SE 20 21 00	445+36 346+02
10222+10451	"	✓ 229 X		348+31 448+25
10451+10734	South	✓ 283 X	Alder, maple to culvert	351+14 451+08
10734+11313	"	✓ 579 X	to culvert	356+93 456+87
11313+11649	"	✓ 336 X		459+63 360+29

5794
665
6459
6669
7787
500
8287
8947
9034
9981
10222
9981
241

660

$$\begin{array}{r} 665 \\ 6459 \\ 6669 \\ 7787 \\ 500 \\ 8287 \\ 8947 \\ 9034 \\ 9981 \\ 10222 \\ 9981 \\ 241 \\ \hline 9526 \\ 455 \\ \hline 9981 \end{array}$$

35 to site
Alder, W to end

$$\begin{array}{r} 660 \\ 264 \\ 396 \\ \hline 299 \end{array}$$

Sta.	Bear.	Dist.	Notes
11649+12197	S 1/2° E	✓ 548	to culvert - Ash. Summit. 365+77 465+11
12197+12560	"	✓ 363	to culvert 369+40 468+74
12560+	"	✓ 585	375+25 474+59
13145+	S 10° W	✓ 610	381+35 480+69
13755+13807	S 13° E	✓ 52	to culvert 381+89 481+21
13807+	"	✓ 241	M. Adw. some tubular 384+28
14048+14264	S 25° E	✓ 216	386+44
14264+	S 38 1/2° E	✓ 176	to culvert 388+20 Ash Summit
14440+14495	"	✓ 55	388+75
14495+	S 50 3/4° E	✓ 281	393+56
14776+	S 31° E	✓ 407	Some White mud 395+63 Some tubular
15183+	S 30° E	✓ 596	401+39 17 1/2 sm. - cont. Ss1 - part sup. E to culvert 328 - 24 ch. // 1/4 in.
15579+15787	"	✓ 24	to culv. 500+97 405+10 401+63
15783+16130	"	✓ 347	504+44

15783
347
16130

548
11649
12197
363
12560
585

131610
137552
1380707
13

8241
4048
4216

4216
4440
4455

49816
42776
47207

15579
15752
15783

Plotted
7/5/39

Sta.	Bear.	Dist.	Notes
16130+16189	530°E		
	537½E	✓ 59 ✓	3 stopped for lunch 405+69 585+03 to culvert } small meadow
16189+16347	"	✓ 158 ✓	407+27 506+61
16347+16447	561°E	✓ 100 ✓	508+27 507+61
16447+16733	569°E	✓ 286 ✓	411+13 510+13 low with to culvert } muddy
16733+17015	"	✓ 282 ✓	413+95 513+29
17015+17091	548°E	✓ 76 ✓	414+71 514+05 to culvert
17091+17186	"	✓ 97 ✓	415+68 515+02
17186+17425	532½E	✓ 237 ✓	418+05 517+39 } small to culvert } } small, sunny left
17425+17667	"	✓ 242 ✓	420+47 519+61
17667+18464	533½E	✓ 797 ✓	428+44 527+78 to culvert } M.H. from Tolson
18464+18580	"	✓ 116 ✓	429+60 528+94
18580+18911	544¾E	✓ 331 ✓	432+91 532+25
18911+19158	550¾E	✓ 247 ✓	435+38 534+72

16130
59
16189
16347
16447
16733
17015
17091
17186
17425
17667
18464
18580
18911
19158

5280

3

161300
15840
2900

18911
247
19158

17097
1888
19424
17242
17267
17797
18464
18580
331
18911
19158

Sta.	Bear.	Dist.	Notes
19158 ¹⁹³⁴⁶	S 75 1/2 E	✓ 188 ✓	Balsam / Cedar 537+26 536+60
19346 + 19481	S 88 1/2 E	✓ 135 ✓	to culvert 438+61 537+95
19481 + 19787	"	✓ 306 ✓	GLD to survey line 40° E 1/2 528 14ft (5 side street N.W.) 541+21 441+67
19787 + 20132	"	✓ 345 ✓	445+12 544+46
20132 ²⁰³¹⁵	S 81 1/2 E	✓ 183 ✓	546+29 446+95 Swamp brush left side
20315 + 20851	S 75 1/2 E	✓ 536 ✓	← 452+31 to culvert 551+60
20851 + 21093	"	✓ 242 ✓	to S.E. Sec. line 70 po 528/27 24ft. N. (40 ft. N. 40 ft. N. 40 ft. N.) 544+107 454+73
21093 + 21333	"	✓ 240 ✓	556+47 457+13
21333 ²¹⁶⁰⁶	S 77° E	✓ 273 ✓	559+20 to culvert 459+86
21606 + 21719	"	✓ 113 ✓	560+33 460+99
21719 + 21922	N 86 E	✓ 203 ✓	562+36 463+02 to culvert * 59
21922 ²²⁰²⁵	"	✓ 103 ✓	563+39 464+05
22025 + 22279	N 74 1/2 E	✓ 254 ✓	to culvert 60 466+59 565+73

19158
188
19346
135
19481
306
19787
345
20132
183
20315
536
20851
242
21093
240
21333
273
21606
113
21719
203
21922
103
22025
254
22279

Sta	Bear.	Dist.	Notes
22279 + 23021			474 + 01
	N74 1/2 E ✓	742 ✓	573 + 35
23021 + 23282			M. Hd. w/ calsum
	N71 E ✓	261 ✓	515 + 96 476 + 62
23282 + 23621			
	N65 E ✓	339 ✓	579 + 35 480 + 01
23621 + 23791			
	N65 1/2 E ✓	170 ✓	to sunny line N19 W post. at $\left\{ \begin{array}{l} 22 \text{ ft} \\ 481 + 71 \end{array} \right.$ o'4 cor. 527. GLD.
23791 + 23962	"	✓ 171 ✓	582 + 76 483 + 92
23962 + 24718			
	N85 E ✓	756 ✓	M. Hd. w/ cal. spr. 590 + 32 490 + 98
24718 + 25206			
	N85 1/2 E ✓	488 ✓	595 + 20 495 + 86
25206 + 25542			
	N85 E ✓	336 ✓	to culvert 598 + 36 499 + 22
25542 + 26152			
	"	✓ 610 ✓	15 75 ft. m. w. to culvert. cal. hd. not counted in total. 600 + 32 505 + 32
26152 + 26486			
	S88 E ✓	334 ✓	600 + 46 527 + 526 508 + 66 17 ft. - N12 1/2 W post GLD
26486 + 26575			
	✓	89 ✓	605 + 55 509 + 55 to culv. 509 + 55 $\left\{ \begin{array}{l} \text{found st.} \\ \text{center line} \end{array} \right.$
26575 + 26992			
	N88 E ✓	417 ✓	to culv. 513 + 72 613 + 06
26992 + 27328			
	N88 E ✓	336 ✓	to culv. 616 + 92 517 + 08

22 279
 742
 23 021
 261
 23 282
 339
 23 621
 170
 23 791
 170
 23 962
 756
 24 718
 488
 25 206
 2336
 25 542
 610
 26 152
 334
 26 486
 89
 26 575
 417
 26 992
 336
 27 328
 336

Sta	Bear.	Dist.	Note
27328 + 27629			520+09
	N88°E ✓	301 ✓	stopped 617+95
Re-checked	- addition		Bear to true flag 18 ft. N43W
			8/29/39

$$\begin{array}{r} 27328 \\ 301 \\ \hline 27629 \end{array}$$

$$\begin{array}{r} 27419 \\ 301 \\ \hline 27720 \end{array}$$

$$\begin{array}{r} 27328 \\ 301 \\ \hline 27629 \end{array}$$

$$\begin{array}{r} 27662 \\ 243 \\ \hline 27905 \end{array}$$

T. T. 449 - Lakes & tates
 Cut-off
 6/23/39 Culmuth

Sta.	Bear.	DIST.	Notes.
June Squaw Pt. Rd. 0+001	S. 66° E	693 ✓	Small Jack to Culmuth Swamp on both sides
0+693	S. 66° E	214 ✓	9+07 Hardwood Mixed + Softwood
693+907	S. 66° E		
907+1167	N 89° E	260 ✓	11+67
1167+2242	N 87° E	675 ✓	22+42
2242+2352	N. 85° E	111 ✓	23+53 to Culmuth mixed HW and a few Norway P.
2352+2496	N 85° E	144 ✓	24+97
2496+2645	N 88½° E	149 ✓	26+46
2645+2728	N 57° E	83 ✓	27+29 to Culmuth mixed HW
2728+2848	N 57° E	120 ✓	28+49
2848+3350	N 66° E	507 ✓	33+57
3350+			

693
 214
 907
 260
 1167
 1075
 2242
 111
 2352
 144
 2496
 149
 2645
 83
 2728
 120
 2848
 507
 3350

STA.	Bear.	Dist.	Notes
3350+3479			
3479+3492	N 86° E	✓ 29 ✓ 3480	to culvert mixed HW + some W pine
3492+3627	N 86° E	✓ 13 ✓ 34+93	
3627+3756	S 82½° E	✓ 135 ✓ 36+28	
3756+3948	N 72° E	✓ 129 ✓ 37+59	
3948+3962	N 60° E	✓ 192 ✓ 39+49	Poster to survey line N+S, on N. of road 64' from center of road 5' to ¼ cor. S 82° E to G 610' 24' from Sec 24 R 29 S 19 R 30
3962+3952	N 60° E	✓ 4 ✓ 35+53	C. of road to culvert Birch + asp
3952+4349	N 60° E	✓ 397 ✓ 43+50	
4349+4886	N 74½° E	✓ 537 ✓ 48+87	
4886+4959	N 88½° E	✓ 73 ✓ 49+60	to culvert mixed HW + some W. PINE
4959+5226	N 88½° E	✓ 267 ✓ 52+27	to culvert Birch + aspen some W. pine
5226+5351	N 88½° E	✓ 125 ✓ 53+52	
5351+5475	N 56° E	✓ 124 ✓ 54+76	
5475+5504	N 38° E	✓ 29 ✓ 5500	to culvert Mixed HW + some Balsam

5504 +

140
129
127

3350

129

3479

13

3492

135

3627

129

3756

192

3948

4

3952

397

4349

537

4886

73

4959

267

5226

125

5351

124

5475

29

5504

STA.	Bear.	Dist.	NOTES
5504+5719	N 38° E	215 ✓	57+20
5719+5871	N 10½° E	152 ✓	58+72
5871+5967	N 12° W	196 ✓	59+68 to which aspens & birch & some W.P. No.
5967+6733	N 12° W	766 ✓	67+34
6733+6741	N 6° E	✓ 8 ✓	67+42 to which Mixed H.H. some spruce
6741+6864	N 6° E	123 ✓	68+65
6864+7527	N 31½° E	✓ 663 ✓	75+28
7527+7663	N 54° E	✓ 136 ✓	76+64
7663+8052	N 83° E	✓ 389 ✓	80+53 OAK + ELM MAPLE + BASS WOOD
8052+8868	N 74° E	✓ 816 ✓	88+69
8868+8974	N 67½° E	✓ 106 ✓	89+75
8974+9108	N 31° E	✓ 134 ✓	91+09
9108+9120	N 0°	✓ 12 ✓	to yellow post 18' from center of road S. 87° from center of road road parallel ¼ mi S. 18, 19 2½ ch. W to
9120			could find cor.

5504
 215
 5719
 152
 5871
 96
 5967
 766
 6733
 8
 6741
 123
 6864
 663
 7527
 136
 7663
 389
 8052
 816
 8868
 106
 8974
 134
 9108
 12
 9120

Should
 be east to
 corner - according
 to map &

STA.	BEAR.	DIST.	Notes
9120+9672	N 0°	552 ✓	96+73
9672+9801	N 36½° E	129 ✓	98+02
9801+9941	N 69° E	140 ✓	99+22
9941+10083	N 74° E	142 ✓	100+84 to Culvert Birch-Aspen
10083+10494	N 74° E	411 ✓	104+95 to Culvert oak-Birch Aspen-EC
10494+11191	N 74° E	697 ✓	111+92
11191+11336	N 46° E	145 ✓	113+39
11336+11474	N 33° E	138 ✓	114+75 to Culvert Birch-Aspen some W.P.
11474+11582	N 33° E	108 ✓	115+83
11582+11684	N 61½° E	102 ✓	116+85
11684+11825	N 86° E	141 ✓	118+26 to Culvert Swamp to right aspect birch some W.P.
11825+11968	N 80° E	143 ✓	119+69
11968+12225	N 89° E	257 ✓	122+26 to Culvert

9120
 552

 9672
 129

 9801
 140

 9941
 142

 10083
 411

 10494
 697

 11191
 145

 11336
 138

 11474
 108

 11582
 102

 11684
 141

 11825
 143

 11968
 257

 12225

STA.	Bear Dist	Notes
12225+12514	N 76° E 318 ✓	125744 to what mixed hardwood some balsam
125143+12724	N 76° E 181 ✓	127725
12724+13070	N 51° E 346 ✓	130771
13070+13429	N 85½° E 419 ✓	134790
13429+13560	N 63° E 71 ✓	135761 to what birch & aspen
13560+13985	N 63° E 425 ✓	139786
13985+14039	N 40½° E 54 ✓	140790 to what oak, elm, basswood
14039+14342	N 40½° E 303 ✓	143743
14342+14607	N 68° E 265 ✓	146708
14607+14770	N 69° E 163 ✓	147771
14770+15752	N 69° E 982 ✓	157753 to what mixed H.W. some W. pine
15752+15838	N 69° E 86 ✓	158739
15838+16148	N 69° E 810 ✓	161749 to what mixed H.W.

12225
 318
 125744
 181
 127724
 346
 130770
 419
 134790
 71
 135761
 425
 139785
 54
 140790
 303
 143742
 265
 146707
 163
 147708
 982
 157752
 86
 158738
 310
 161748

Sta	Bear	Dist	Notes
16148+16288	N69°E	✓140 ✓	162+89
16288+16511	N62°E	✓223 ✓	165+1/2 culvert
16511+16980	N62°E	✓469 ✓	169+81 Mixed H.W. Sand W.P.S.
16980+17127	N62°E	✓147 ✓	171+28
17127+17317	N75°E	✓190 ✓	173+18
17317+17507	S79°E	✓190 ✓	175 to culvert
17507+17544	S79°E	✓37 ✓	175+45
17544+17753	S70°E	✓209 ✓	177 to culvert aspen + birch
17753+17928	S70°E	✓175 ✓	179+29
17928+18016	N88°E	✓88 ✓	180 to culvert aspen, maple birch
18016+18099	N88°E	✓83 ✓	181+00
18099+18435	N48 1/2°E	✓336 ✓	184+36 Culvert
18435+18441	N48 1/2°E	✓6 ✓	184+41 to survey line 2' from center of road part N 0° from center
18441+			

16148

140

16288

223

16511

469

16980

147

17127

190

17317

190

17507

37

17544

209

17753

175

17928

88

18016

83

18099

336

18435

6

18441

not marked
road 1/4 cor S 171/4, 11.47 1/2 chs South to 1/4 cor

Sta. Bear Dist

18441 + 18821

N48¹/₂° E 380 ✓

18441

Notes.

188 + 22

to center of Cuba Hill
Locken Bay
road

18441

380

18821

Plotted
7/27/39
OM

Rechecked
8/29/39
OM

Lake State Loop TT. 4517

ST 2 Bear Dist. Notes
 Center of Cull Hill rd. West on Lake State Loop rd.

0+00

0+215

S 86° W ✓ 215 ✓ 2+15

215+602

S 73½° W ✓ 38.7 ✓ 6+02 to culvert poplar birch some balsam

602+647

S 73½° W ✓ 45 ✓ 6+47

647+889

S 89½° W ✓ 242 ✓ 8+89

889+1310

N 80° W ✓ 421 ✓ 13+10

1310+1711

N 85½° W ✓ 401 ✓ 17+11 to culvert oak aspen birch some balsam

1711+2322

N 85½° W ✓ 611 ✓ 23+22 stopped at SL 2322

2322+2344

N 75½° W ✓ 22 ✓ 23+44 1/2 mi from center of road to culvert mixed H.W. and some balsam

2344+2499

N 75½° W ✓ 155 ✓ 24+99

2499+2884

N 71° W ✓ 385 ✓ 28+84 to culvert

2884+2936

N 71° W ✓ 52 ✓ (check on W Smith 29+36 to survey line yellow post 17 from center of road side shot N 42° E

2936+3079

N 71° W ✓ 143 ✓ to culvert post marked 3.76 ch N 75

3079+

30+79 elm ash oak maple sec. cor. no more found.

215

387

602

45

647

242

889

421

1310

401

1711

611

2322

22

2344

155

2499

385

2884

52

2936

143

3079

Sec. cor. 31732 T 145
 6/5

Sta.	Bearing	Dist	Notes
3079+3513	N 71° W	434 ✓	35+13 to culvert balsam, hemlock, aspen, oak + maple
3513+3947	N 71° W	375 ✓	38+88
3947+425	N 65½° W	228 ✓	41+16
425+4370	N 55° W	195 ✓	43+11 to road cen. going S 33° W.
4370+4598	N 55° W	226 ✓	45+37 to culvert mixed H.W. and some large W. pine
4598+4854	N 55° W	256 ✓	47+93
4854+5139	N 43° W	285 ✓	50+78 to culvert birch aspen balsam, W. pine
5139+5655	N 43° W	516 ✓	55+99
5655+6475	N 55° W	820 ✓	64+14 to culvert maple aspen, some large W. pine, oak, some birch
6475+7335	N 55° W	860 ✓	72+74 to culvert swamp on left small aspen on right
7335+7982	N 55° W	677 ✓	79+21
7982+8174	N 75½° W	192 ✓	81+13
8174+8469	N 85° W	295 ✓	84+08 to culvert
8469+			

3079
 434
 3513
 434
 3947
 228
 4116
 195
 4370
 228
 4598
 256
 4854
 285
 5139
 516
 5655
 820
 6475
 860
 7335
 647
 7982
 192
 8174
 295
 8469

STA.	Bear	Dist.	Notes.
8469+8997	N85° W	528 ✓	89+36 to culvert mixed H.W. some pine
8997+9087	N85° W	90 ✓	90+26 to yellow post marker 700 E to 1/4 cor Sec. 31/33 13' from center of roadside shut NTE
9087+9553	N.85° W	466 ✓	94+92 to culvert mixed H.W.
9553+9832	N85° W	279 ✓	97+71 to center of road runway N+S.
9832+10165	N85° W	333 ✓	101+04
10165+10575	N81½° W	418 ✓	105+14
10575+11268	N88½° W	693 ✓	112+07 mixed H.W. most open some pine left
11268+12267	N88¾° W	999 ✓	122+06 to culvert open some some oak.
12267+12637	N88¾° W	370 ✓	125+76
12637+12848	N83° W	211 ✓	127+89
12848+13307	N71½° W	459 ✓	132+46
13307+13478	S86½° W	171 ✓	134+17
13478+13776	S69½° W	298 ✓	137+15
13776+			

8469
 528
 8997
 90
 9087
 466
 9553
 279
 9832
 333
 10165
 410
 10575
 693
 11268
 999
 12267
 370
 12637
 211
 12848
 459
 13307
 171
 13478
 298
 13776

Notes

13776 + 13929	S 76° W	153 ✓	138 + 68
13929 + 14322	S 44° W	393 ✓	142 + 61 Norway + W. pine Some birch + aspen.
14322 + 14847	S 15° W	525 ✓	147 + 86
14847 + 14960	S 46° W	113 ✓	148 + 99
14960 + 15256	S 78° W	296 ✓	151 + 95 open land some N.P. in
15256 + 15690	N 89° W	434 ✓	156 + 29 to center of road running N + S.
15690 + 16012	N 1/2° E	322 ✓	159 + 51 to creek on Lake State plantation
16012 + 17274	N 1/2° E	262 ✓	172 + 13
17274 + 17544	N 13 1/2° E	270 ✓	174 + 83
17544 + 17816	N 35 1/2° E	272 ✓	177 + 55
17816 + 18017	N 51° E	201 ✓	179 + 56
18017 + 18113	N 2° W	196 ✓	180 + 52
18113 + 18856	N 24° W	743 ✓	187 + 95
18856 + 18944	N 45° W	88 ✓	188 + 83 to center of Pike Bay Loop rd

13776

153

13929

393

14322

525

14847

113

14960

296

15256

434

15690

322

16012

434

17274

270

17544

272

17816

270

18017

96

18113

743

18856

88

18944

Plotted

7/27/39

Jmy

Start on center of road and go S.

Start at 434 on opposite page.

Sta	Bear.	Dist.		
0+1200	S 1/2° E	✓ 1200 ✓	12+00	
1200+2226	S 1/2° E	✓ 1026 ✓	22+26	
2226+2487	S 18° E	✓ 261 ✓	24+87	
2487+2718	S 36° E	✓ 231 ✓	27+18	
2718+2939	S 52° E	✓ 221 ✓	29+39	
2939+3138	S 72° E	✓ 199 ✓	31+38	Norway pine some aspen
3138+3364	S 84 1/2° E	✓ 226 ✓	33+64	
3364+3606	N 78° E	✓ 242 ✓	36+06	
3606+3812	N 62 1/2° E	✓ 206 ✓	38+12	
3812+4003	N 45 1/2° E	✓ 191 ✓	40+03	aspen bush Red pine
4003+4194	N 34° E	✓ 191 ✓	41+94	plantation on left
4194+5252	N 21 1/2° E	✓ 1058 ✓	52+52	
5252+5472	N 18° E	✓ 220 ✓	54+72	
5472+				

1200
 1026
 2226
 261
 2487
 231
 2718
 221
 2939
 199
 3138
 226
 3364
 242
 3606
 206
 3812
 191
 4003
 191
 4194
 1058
 5252
 220
 5472

STA	Bear	Dist	Notes
5472+5607	N 82½° E	135 ✓ 5607	plantation on RIGHT Mixed H.W. on left
5607+6356	S 86° E	749 ✓ 63+56	some Red pine to culvert large aspen
2 6356+6806	S 86° E	450 ✓	68+06 part of some W. pine at marked, cont. to line running N to S 3½ ch. W ¼ yellow post 18' N 10 W 580431 from center of road.
6806+6944	S 86° E	138 ✓ 6944	
6944+7875	S 85½° E	1931 ✓ 78+75	
2 7875+8009	N 61° E	134 ✓ 80+09	
3 8009+8243	N 43½° E	234 ✓ 82+43	
8243+8687	N 26° E	444 ✓ 86+87	
8687+9597	N 22° E	910 ✓	95+97 stopped set post to left 8' from center of road.
9597+			

Planted
8/5/39
Marked
8/31/39

5472
135
5607
749
6356
450
6806
138
6944
931
7875
134
8009
234
8243
444
8687
910
9597