

JEANETTE O
SAN FRANCISCO, CALIF.

T144N R29W
T145N "
T146N "
T147N "

WILD BOOK

764F

#111

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100 00	0 44	100 00	0 87	99 99	1 31	89
1	99 98	1 75	99 98	2 18	99 97	2 62	99 95	3 05	88
2	99 94	3 49	99 92	3 53	99 91	4 36	99 88	4 80	87
3	99 86	5 23	99 84	5 67	99 81	6 10	99 79	6 54	86
4	99 76	6 98	99 73	7 41	99 69	7 85	99 66	8 28	85
5	99 62	8 72	99 58	9 15	99 54	9 58	99 50	10 02	84
6	99 45	10 45	99 41	10 89	99 36	11 32	99 31	11 75	83
7	99 25	13 19	99 20	12 62	99 14	13 05	99 09	13 49	82
8	99 03	15 64	98 97	14 85	98 90	14 78	98 84	15 21	81
9	98 77	17 36	98 70	16 07	98 63	16 50	98 56	16 93	80
10	98 48		98 40	17 79	98 33	18 22	98 25	18 65	79
11	98 16	19 08	98 08	19 51	97 99	19 94	97 90	20 36	78
12	97 81	20 79	97 72	21 22	97 63	21 64	97 53	22 07	77
13	97 44	22 50	97 34	22 92	97 24	22 34	97 13	22 77	76
14	97 03	24 19	96 92	24 62	96 81	25 04	96 70	25 46	75
15	96 59	25 88	96 48	26 30	96 36	26 72	96 25	27 14	74
16	96 13	27 56	96 00	27 96	95 88	28 40	95 76	28 82	73
17	95 63	29 24	95 50	29 65	95 37	30 07	95 24	30 49	72
18	95 11	30 90	94 97	31 32	94 83	31 73	94 69	32 14	71
19	94 55	32 56	94 41	32 97	94 26	33 38	94 12	33 79	70
20	93 97	34 20	93 82	34 61	93 67	35 02	93 51	35 43	69
21	93 36	35 84	93 20	36 24	93 04	36 65	92 88	37 06	68
22	92 72	37 46	92 55	37 86	92 39	38 27	92 22	38 67	67
23	92 05	39 07	91 88	39 47	91 71	39 87	91 53	40 27	66
24	91 35	40 67	91 18	41 07	91 00	41 47	90 81	41 87	65
25	90 63	42 26	90 45	42 66	90 26	43 05	90 07	43 44	64
26	89 88	43 84	89 69	44 23	89 49	44 62	89 30	45 01	63
27	89 10	45 40	88 90	45 79	88 70	46 17	88 50	46 56	62
28	88 29	46 95	88 09	47 53	87 88	47 72	87 67	48 10	61
29	87 46	48 48	87 25	48 86	87 04	49 24	86 83	49 62	60
30	86 60	50 00	86 38	50 38	86 16	50 75	85 94	51 13	59
31	85 72	51 50	85 49	51 88	85 26	52 25	85 04	52 62	58
32	84 80	52 99	84 57	53 36	84 34	53 73	84 10	54 10	57
33	83 87	54 46	83 63	54 83	83 39	55 19	83 15	55 56	56
34	82 90	55 92	82 66	56 28	82 41	56 64	82 16	57 00	55
35	81 92	57 36	81 66	57 71	81 41	58 07	81 16	58 42	54
36	80 90	58 78	80 64	59 13	80 39	59 48	80 13	59 83	53
37	79 86	60 18	79 60	60 53	79 34	60 88	79 07	61 22	52
38	78 80	61 57	78 53	61 91	78 26	62 25	77 99	62 59	51
39	77 71	62 83	77 44	63 27	77 16	63 61	76 88	63 94	50
40	76 60	64 23	76 32	64 61	76 04	64 94	75 76	65 28	49
41	75 47	65 61	75 18	65 93	74 90	66 26	74 61	66 59	48
42	74 31	66 91	74 02	67 24	73 73	67 56	73 43	67 88	47
43	73 14	68 20	72 84	68 52	72 54	68 84	72 24	69 15	46
44	71 93	69 47	71 63	69 78	71 33	70 09	71 02	70 40	45
45	70 71	70 71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.

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Co. 787-C.C.C.

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TABLE OF STADIA REDUCTIONS.—Continued.

Min.	24°		25°		26°		27°		28°		29°		30°	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0	83.09	37.20	80.51	36.61	79.39	36.01	77.98	41.45	76.50	40.82	75.00	40.18	73.50	39.55
1	83.11	37.47	80.46	36.55	79.30	35.94	77.81	41.48	76.45	40.76	74.95	40.11	73.45	39.48
2	83.13	37.74	80.41	36.49	79.21	35.87	77.64	41.51	76.40	40.69	74.90	40.04	73.40	39.41
3	83.15	38.01	80.36	36.43	79.12	35.80	77.47	41.54	76.35	40.62	74.85	39.97	73.35	39.34
4	83.17	38.28	80.31	36.37	79.03	35.73	77.30	41.57	76.30	40.55	74.80	39.90	73.30	39.27
5	83.19	38.55	80.26	36.31	78.94	35.66	77.13	41.60	76.25	40.48	74.75	39.83	73.25	39.20
6	83.21	38.82	80.21	36.25	78.85	35.59	76.96	41.63	76.20	40.41	74.70	39.76	73.20	39.13
7	83.23	39.09	80.16	36.19	78.76	35.52	76.79	41.66	76.15	40.34	74.65	39.69	73.15	39.06
8	83.25	39.36	80.11	36.13	78.67	35.45	76.62	41.69	76.10	40.27	74.60	39.62	73.10	38.99
9	83.27	39.63	80.06	36.07	78.58	35.38	76.45	41.72	76.05	40.20	74.55	39.55	73.05	38.92
10	83.29	39.90	80.01	36.01	78.49	35.31	76.28	41.75	76.00	40.13	74.50	39.48	73.00	38.85
11	83.31	40.17	79.96	35.95	78.40	35.24	76.11	41.78	75.95	40.06	74.45	39.41	72.95	38.78
12	83.33	40.44	79.91	35.89	78.31	35.17	75.94	41.81	75.90	39.99	74.40	39.34	72.90	38.71
13	83.35	40.71	79.86	35.83	78.22	35.10	75.77	41.84	75.85	39.92	74.35	39.27	72.85	38.64
14	83.37	40.98	79.81	35.77	78.13	35.03	75.60	41.87	75.80	39.85	74.30	39.20	72.80	38.57
15	83.39	41.25	79.76	35.71	78.04	34.96	75.43	41.90	75.75	39.78	74.25	39.13	72.75	38.50
16	83.41	41.52	79.71	35.65	77.95	34.89	75.26	41.93	75.70	39.71	74.20	39.06	72.70	38.43
17	83.43	41.79	79.66	35.59	77.86	34.82	75.09	41.96	75.65	39.64	74.15	38.99	72.65	38.36
18	83.45	42.06	79.61	35.53	77.77	34.75	74.92	41.99	75.60	39.57	74.10	38.92	72.60	38.29
19	83.47	42.33	79.56	35.47	77.68	34.68	74.75	42.02	75.55	39.50	74.05	38.85	72.55	38.22
20	83.49	42.60	79.51	35.41	77.59	34.61	74.58	42.05	75.50	39.43	74.00	38.78	72.50	38.15
21	83.51	42.87	79.46	35.35	77.50	34.54	74.41	42.08	75.45	39.36	73.95	38.71	72.45	38.08
22	83.53	43.14	79.41	35.29	77.41	34.47	74.24	42.11	75.40	39.29	73.90	38.64	72.40	38.01
23	83.55	43.41	79.36	35.23	77.32	34.40	74.07	42.14	75.35	39.22	73.85	38.57	72.35	37.94
24	83.57	43.68	79.31	35.17	77.23	34.33	73.90	42.17	75.30	39.15	73.80	38.50	72.30	37.87
25	83.59	43.95	79.26	35.11	77.14	34.26	73.73	42.20	75.25	39.08	73.75	38.43	72.25	37.80
26	83.61	44.22	79.21	35.05	77.05	34.19	73.56	42.23	75.20	39.01	73.70	38.36	72.20	37.73
27	83.63	44.49	79.16	34.99	76.96	34.12	73.39	42.26	75.15	38.94	73.65	38.29	72.15	37.66
28	83.65	44.76	79.11	34.93	76.87	34.05	73.22	42.29	75.10	38.87	73.60	38.22	72.10	37.59
29	83.67	45.03	79.06	34.87	76.78	33.98	73.05	42.32	75.05	38.80	73.55	38.15	72.05	37.52
30	83.69	45.30	79.01	34.81	76.69	33.91	72.88	42.35	75.00	38.73	73.50	38.08	72.00	37.45
31	83.71	45.57	78.96	34.75	76.60	33.84	72.71	42.38	74.95	38.66	73.45	38.01	71.95	37.38
32	83.73	45.84	78.91	34.69	76.51	33.77	72.54	42.41	74.90	38.59	73.40	37.94	71.90	37.31
33	83.75	46.11	78.86	34.63	76.42	33.70	72.37	42.44	74.85	38.52	73.35	37.87	71.85	37.24
34	83.77	46.38	78.81	34.57	76.33	33.63	72.20	42.47	74.80	38.45	73.30	37.80	71.80	37.17
35	83.79	46.65	78.76	34.51	76.24	33.56	72.03	42.50	74.75	38.38	73.25	37.73	71.75	37.10
36	83.81	46.92	78.71	34.45	76.15	33.49	71.86	42.53	74.70	38.31	73.20	37.66	71.70	37.03
37	83.83	47.19	78.66	34.39	76.06	33.42	71.69	42.56	74.65	38.24	73.15	37.59	71.65	36.96
38	83.85	47.46	78.61	34.33	75.97	33.35	71.52	42.59	74.60	38.17	73.10	37.52	71.60	36.89
39	83.87	47.73	78.56	34.27	75.88	33.28	71.35	42.62	74.55	38.10	73.05	37.45	71.55	36.82
40	83.89	48.00	78.51	34.21	75.79	33.21	71.18	42.65	74.50	38.03	73.00	37.38	71.50	36.75
41	83.91	48.27	78.46	34.15	75.70	33.14	71.01	42.68	74.45	37.96	72.95	37.31	71.45	36.68
42	83.93	48.54	78.41	34.09	75.61	33.07	70.84	42.71	74.40	37.89	72.90	37.24	71.40	36.61
43	83.95	48.81	78.36	34.03	75.52	33.00	70.67	42.74	74.35	37.82	72.85	37.17	71.35	36.54
44	83.97	49.08	78.31	33.97	75.43	32.93	70.50	42.77	74.30	37.75	72.80	37.10	71.30	36.47
45	83.99	49.35	78.26	33.91	75.34	32.86	70.33	42.80	74.25	37.68	72.75	37.03	71.25	36.40
46	84.01	49.62	78.21	33.85	75.25	32.79	70.16	42.83	74.20	37.61	72.70	36.96	71.20	36.33
47	84.03	49.89	78.16	33.79	75.16	32.72	69.99	42.86	74.15	37.54	72.65	36.89	71.15	36.26
48	84.05	50.16	78.11	33.73	75.07	32.65	69.82	42.89	74.10	37.47	72.60	36.82	71.10	36.19
49	84.07	50.43	78.06	33.67	74.98	32.58	69.65	42.92	74.05	37.40	72.55	36.75	71.05	36.12
50	84.09	50.70	78.01	33.61	74.89	32.51	69.48	42.95	74.00	37.33	72.50	36.68	71.00	36.05
51	84.11	50.97	77.96	33.55	74.80	32.44	69.31	42.98	73.95	37.26	72.45	36.61	70.95	35.98
52	84.13	51.24	77.91	33.49	74.71	32.37	69.14	43.01	73.90	37.19	72.40	36.54	70.90	35.91
53	84.15	51.51	77.86	33.43	74.62	32.30	68.97	43.04	73.85	37.12	72.35	36.47	70.85	35.84
54	84.17	51.78	77.81	33.37	74.53	32.23	68.80	43.07	73.80	37.05	72.30	36.40	70.80	35.77
55	84.19	52.05	77.76	33.31	74.44	32.16	68.63	43.10	73.75	36.98	72.25	36.33	70.75	35.70
56	84.21	52.32	77.71	33.25	74.35	32.09	68.46	43.13	73.70	36.91	72.20	36.26	70.70	35.63
57	84.23	52.59	77.66	33.19	74.26	32.02	68.29	43.16	73.65	36.84	72.15	36.19	70.65	35.56
58	84.25	52.86	77.61	33.13	74.17	31.95	68.12	43.19	73.60	36.77	72.10	36.12	70.60	35.49
59	84.27	53.13	77.56	33.07	74.08	31.88	67.95	43.22	73.55	36.70	72.05	36.05	70.55	35.42
60	84.29	53.40	77.51	33.01	73.99	31.81	67.78	43.25	73.50	36.63	72.00	35.98	70.50	35.35
c=75	68	31	68	32	67	33	66	35	65	36	65	37	65	38
c=1.15	1.05	48	1.04	50	1.03	51	1.02	53	1.01	55	1.00	57	0.99	58
c=1.90	1.73	79	1.72	83	1.70	85	1.69	88	1.67	91	1.65	94	1.64	95

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T 146N R29W		T 147N R29W		T 148N R29W		T 149N R29W	
Sec	Pg	Sec	Pg	Sec	Pg	Sec	Pg
1	27	1	27	1	27	1	27
2	28	2	28	2	28	2	28
3	29	3	29	3	29	3	29
4	30	4	30	4	30	4	30
5	31	5	31	5	31	5	31
6	32	6	32	6	32	6	32
7	33	7	33	7	33	7	33
8	34	8	34	8	34	8	34
9	35	9	35	9	35	9	35
10	36	10	36	10	36	10	36
11		11		11		11	
12		12		12		12	
13		13		13		13	
14		14		14		14	
15		15		15		15	
16		16	22	16	22	16	22
17		17	21	17	21	17	21
18		18		18		18	
19		19		19		19	
20		20	23	20	23	20	23
21	18	21	27	21	27	21	27
22		22		22		22	
23		23		23		23	
24		24		24		24	
25		25		25		25	
26	19	26		26		26	

May 3 - Thurs. 1934 - 88 chs.

Beginning at a point 12 chs. E of E 1/16 ⁵³²/₅₅ ran 8 chs. E and set 4" jack pine post as Sec. Cor. ⁵³²/₅₅ ⁵³³/₅₄. Thence 1' 20 chs. N to S 1/16 cor. but missed old cor. by 24 hks. N and 9 hks. E. Thence 20 chs. N to 1/4 cor. but missed old cor. by 25 hks. E. Old 1/4 cor. on large Norway Tree missed by 60 hks. N and 36 hks. W. Thence 20 chs. N to N 1/16 cor. ⁵³²/₅₅ ⁵³³/₅₃ but came out 59 hks. S and 40 hks. E. About 1/2 chs. S of Mississippi River. Then beginning at E 1/16 cor. ran 20 chs. N to NE 1/16 cor. but came out 25 hks. S and 11 hks. E of old cor.

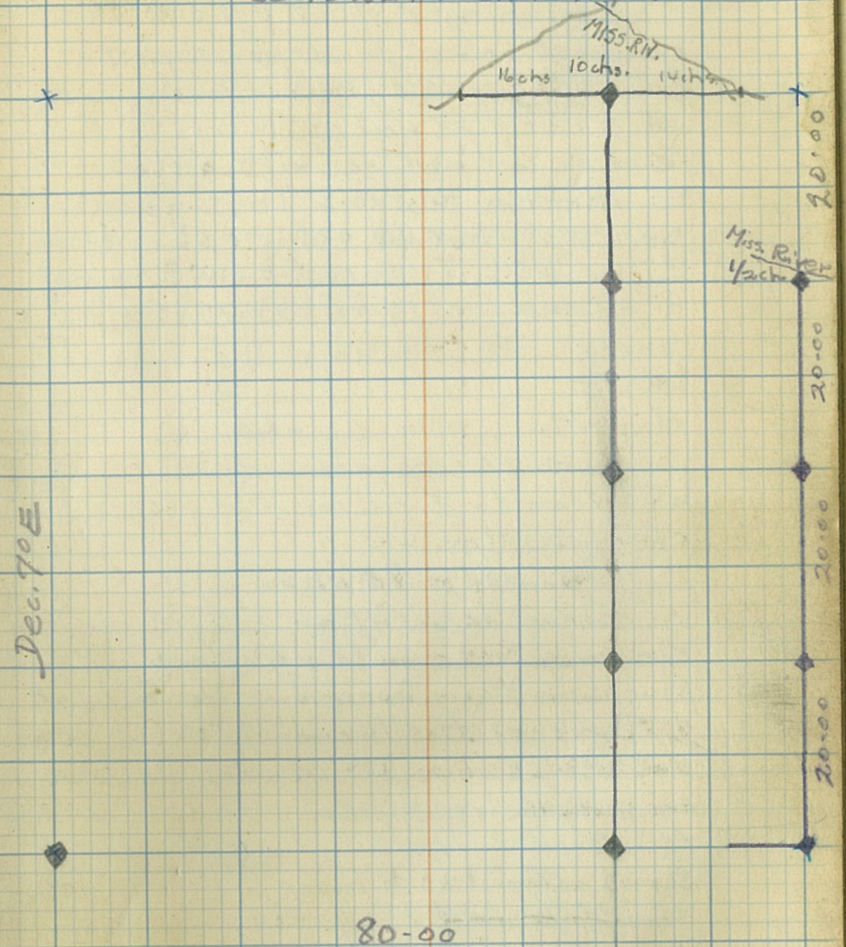
May 4 - Fri. 1934 - 60 chs.

Beginning at NE 1/16 cor. ⁵³²/₅₅ ran 20 chs. N and set 4" scrub oak post as E 1/16 cor. ⁵²¹/₅₃₂. Mississippi River about 10 chs. N. Then beginning at E 1/16 cor. ran 20 chs. S to SE 1/16 cor. but came out 22 hks. N and 9 hks. W. Thence 20 chs. S to E 1/16 cor. ⁵³²/₅₅ coming out 17 hks. N and 13 hks. W.

May 10 - Thurs. 1934 - 30 chs.

Beginning at E 1/16 cor. ⁵²¹/₅₃₂ ran 16 chs. W to Miss. Riv. Then beginning at E 1/16 cor. ⁵²¹/₅₃₂ ran 14 chs. E to Miss. Riv.

Sec. 32 - T 146 N R 29 W



May 4, Fri. 1934 - 14 chs.

Beginning at SW cor. S33 ran 14 chs. E.

May 7 - Mon. 1934 - 66 chs.

Beginning at a point 14 chs. E of SW cor. S33 ran 6 chs. E and set 4" scrub oak post as temp. W 1/6 cor. S33/S34. Thence 20 chs. E and set 4" jack pine post as 1/4 cor. S33/S34. Found 1/4 cor. on jack pine tree with cat face and F.S. marker 146 Lks. S. Then 20 chs. E and set 4" scrub oak post as temp E 1/6 S33/S34. Thence 20 chs. E and set 4" Aspen post as SE cor. S33. Old cor. on short stake marked with F.S. tag 189 Lks. S.

May 8 - Tues. 1934 - 60 chs.

Corrected south line S33 beginning at SW cor. to E 1/6 cor. Old blazes along corrected line.

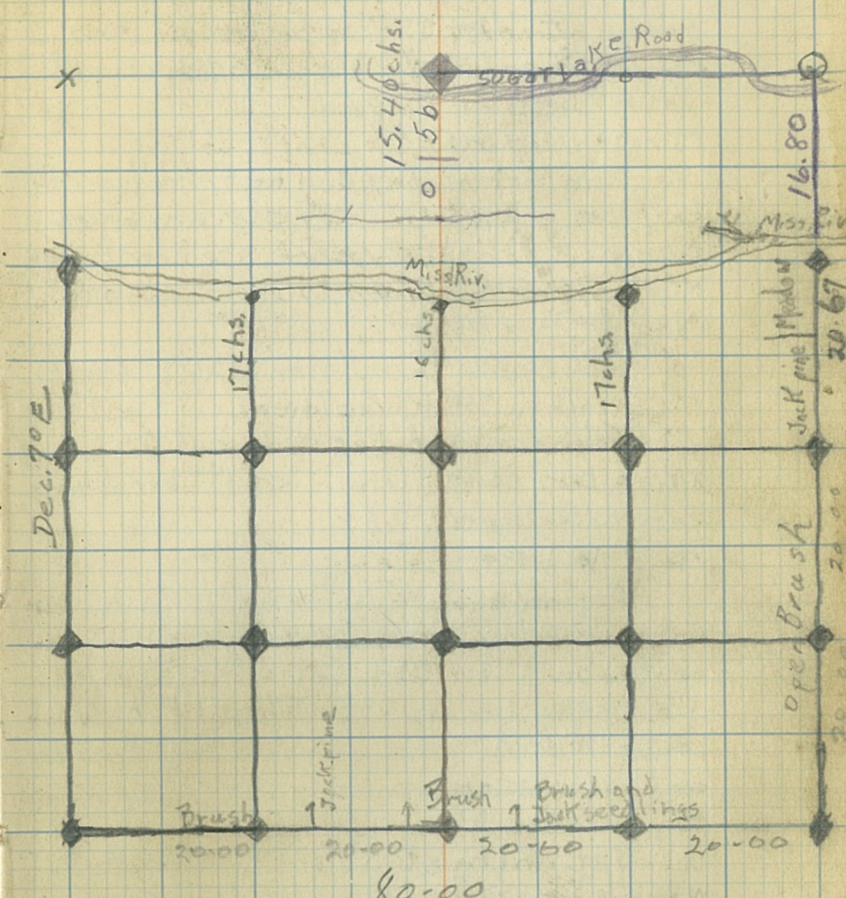
May 9 - Wed. 1934 - 80 chs.

Connected south line S33 to SE cor. Then ran north 20 chs. and set 3" scrub oak post as S 1/6 cor. S33/S34. Thence N 20 chs. and set 4" Aspen post as 1/4 cor. S33/S34. But came out 192 Lks. S and 8 Lks. W of old 1/4 cor. on jack pine tree marked with cat face and F.S. marker. Thence 20 chs. N and set 4" scrub oak post as N 1/6 cor. S33/S34. Miss. Riv. about 1/4 chs. N.

May 10 - Thurs. 1934 - 40 chs.

Corrected 1/4 cor. 1 ch. N as sta. 4 and 6 set 1/2 cor. ran only 1 ch. apart. Then 40 chs. W.

Sec. 33 - T140N R29W



July 16-34 Missed corner 5 Lks W and 28 - RS S on #7 Sec. 33

Remarks: corner 28/27 33/34 Now located by 610 (7-24-34)

May 11 - Fri. 1934

Corrected E line S33 to N $\frac{1}{4}$ cor. setting cor. 1 ch. 67 Lks. N on Riv. Bank. Then beginning at a point 40 chs. W of $\frac{1}{4}$ cor. S33/S34 ran 40 chs. W to $\frac{1}{4}$ cor. S32/S33 but missed cor. by 122 Lks. S and 28 W. Then beginning at $\frac{1}{4}$ cor. S33/S34 ran 20 chs. N.

May 14 - Mon. 1934

Ran correction line ~~to~~ from $\frac{1}{4}$ cor. S34/S33 to $\frac{1}{4}$ cor. S33/S32. Then beginning at a point 26 chs. N of $\frac{1}{4}$ cor. S33 ran 36 chs. N to bank of Miss. Riv. set 4" ^{S4} post as C $\frac{1}{4}$ cor. S33. _{oak pine}

May 15 - Tues. 1934

Set stakes from $\frac{1}{4}$ cor. S32/S33 to S $\frac{1}{16}$ cor. S32/S33 94 Lks. S. Thence ran 40 chs. E to S $\frac{1}{16}$ cor. S33 but came out 24 Lks. N. Then corrected line. Set 4" scrub oak post as S $\frac{1}{16}$ cor. S33.

May 16 - Wed. 1934

Beginning at W $\frac{1}{16}$ ^{S33} ran 40 chs. N to intersect $\frac{1}{4}$ line. Set 4" jack pine post as SW $\frac{1}{16}$ cor. S33. Set 4" jack pine post as W $\frac{1}{16}$ cor. S33. Then 17 chs. N to bank of Miss. Riv. and set aspen stake as Meander cor.

May 17 - Thurs. 1934

Beginning at S $\frac{1}{16}$ S34/S33 ran 40 chs. W to S $\frac{1}{16}$ cor. S33 missing cor. 1 Wk. S. Then beginning at E $\frac{1}{16}$ ^{S32} ran 20 chs. N and set 4" jack pine post as SE $\frac{1}{16}$ cor. and E $\frac{1}{16}$ cor. at intersections of lines. Thence N to Riv. and set Meander cor. 17 chs. N.

May 18 - Fri. 1934.

Beginning at the SE cor. 55 ran
8 chs. W.

May 21 - Mon. 1934

Beginning at a point 8 chs W
of SE cor. 55 ran 44 chs. W.

May 22 - Tues. 1934

Beginning at a point 52 chs. W of SE
cor. sec. 5 ran 28 chs. W to SW cor. Sec. 5
but came out 1 ch. N. Then cor-
rected line from SE cor. to
1/4 cor. 55/58. Thence 10 chs. N.

May 23 - Wed. 1934

Beginning at a point 10 chs. N of
1/4 cor. 55/58 ran 10 chs. N and set 4"
Aspen post as temp. S' 1/6 Sec. 5. Thence
20 chs. N and set 4" Aspen post as temp.
C' 1/4 cor. Sec. 5. Then beginning at
SE cor. Sec. 5 ran 10 chs. N.

May 24 - Thurs. 1934.

Beginning at a point 10 chs. N
of SE cor. sec. 5 ran 10 chs. N and
set 4" Aspen post as S' 1/6 sec 5/sec #.
Thence 20 chs. N and set 4" Aspen
post as 1/4 cor 55/58. Thence 12 chs.
W.

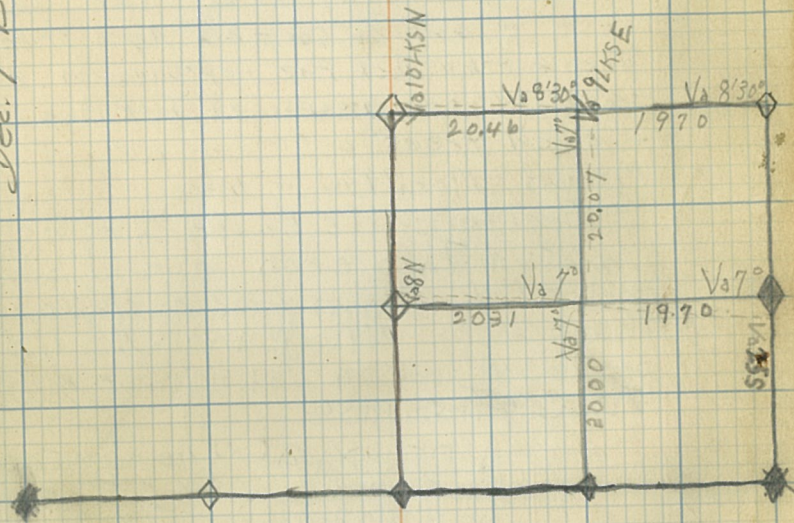
- 4 -

Sec. 5 - T 144 N R 29 W

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*

Dec. 70 E



79-89

May 25. Fri. 1934

Beginning at NE cor. Sec. 4 ran
20 chs. S and set 4" Aspen post as
N $\frac{1}{16}$ cor. Sec. 4. Thence 20 chs. S and
set 4" Aspen post as $\frac{1}{4}$ cor. Sec. 4. Sec. 3.
Then 20 chs. S and set 4" Aspen
post as S $\frac{1}{16}$ - 34/53. Then 20 chs. S
and set 4" Aspen post as SE cor. 54.
No old corner.

May 26. Sat. 1934

Beginning at SE Cor. Sec 4 T. 145-29
ran west, declination $7\frac{1}{2}^{\circ}$ E. ran 20 ch.
west & set $\frac{1}{16}$ Cor - 2 $\frac{1}{2}$ " Aspen stake.
Type brush & Jack Pine reproduction with
scattered and groups of Jack Pine Poles
& seed trees.

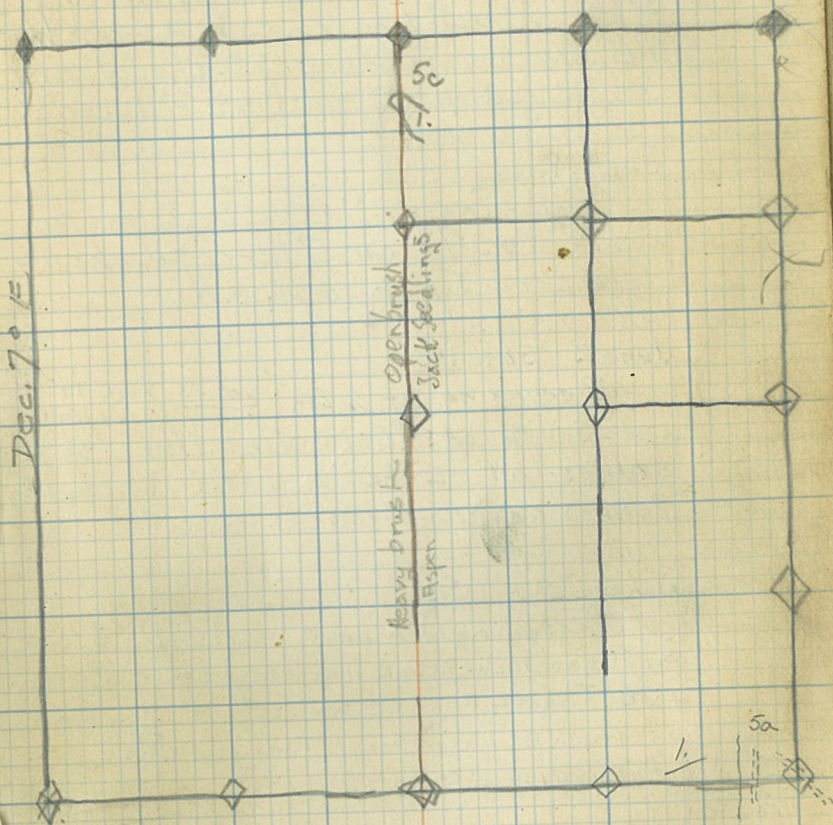
May 28 - Mon. 1934

Beginning at E $\frac{1}{16}$ cor. $\frac{54}{59}$ set cor. post
1 $\frac{1}{2}$ lks. W. Thence ran 20 chs. 1 $\frac{1}{2}$ lks. W
and set 4" Aspen post as $\frac{1}{4}$ cor. $\frac{54}{59}$.
Thence 20 chs. 1 $\frac{1}{2}$ lks. W and set 4" Aspen
post as W $\frac{1}{16}$ cor. $\frac{54}{59}$.

May 29 - Tues. 1934

Beginning at W $\frac{1}{16}$ $\frac{54}{59}$ ran
20 chs. 1 $\frac{1}{2}$ lks. W to Sec. Cor. but came
out 7 chs. N and 2 chs. 2 $\frac{1}{2}$ lks. E
Then beginning at $\frac{1}{4}$ cor. $\frac{54}{59}$
ran 10 chs. N.

Sec. 4-T145NR29W



May 31 - Thurs. 1934

Beginning at E $\frac{1}{16}$ cor. $\frac{\text{Sec. 31}}{\text{Sec. 16}}$ ran 70 chs. N and set 4" Jack pine post as SE $\frac{1}{16}$ cor. Sec. 31. Thence 20 chs. N to E $\frac{1}{16}$ cor. Sec. 31. Then beginning at S $\frac{1}{16}$ cor. Sec. 31 / Sec. 32 ran 20 chs. W to SE $\frac{1}{16}$ cor. Thence 20 chs. W and set 4" Jack pine post as S $\frac{1}{16}$ cor. Sec. 31.

June 1, Friday - 1934

Beginning at $\frac{1}{4}$ Cor. $\frac{\text{Sec. 31}}{\text{Sec. 16}}$ ran 20 chs. N to S $\frac{1}{16}$ cor. Thence 70 chs. N to $\frac{1}{4}$ cor. Then 10 chs. N.

June 2 Sat. 1934

Beginning at $\frac{1}{4}$ cor. $\frac{\text{Sec. 33 T146-29}}{\text{Sec. 4 T145-29}}$ ran south at 7° E. Declination. Set stakes at 2 chains, 4 chains, 6 chains, 8 chains and 10 chains.

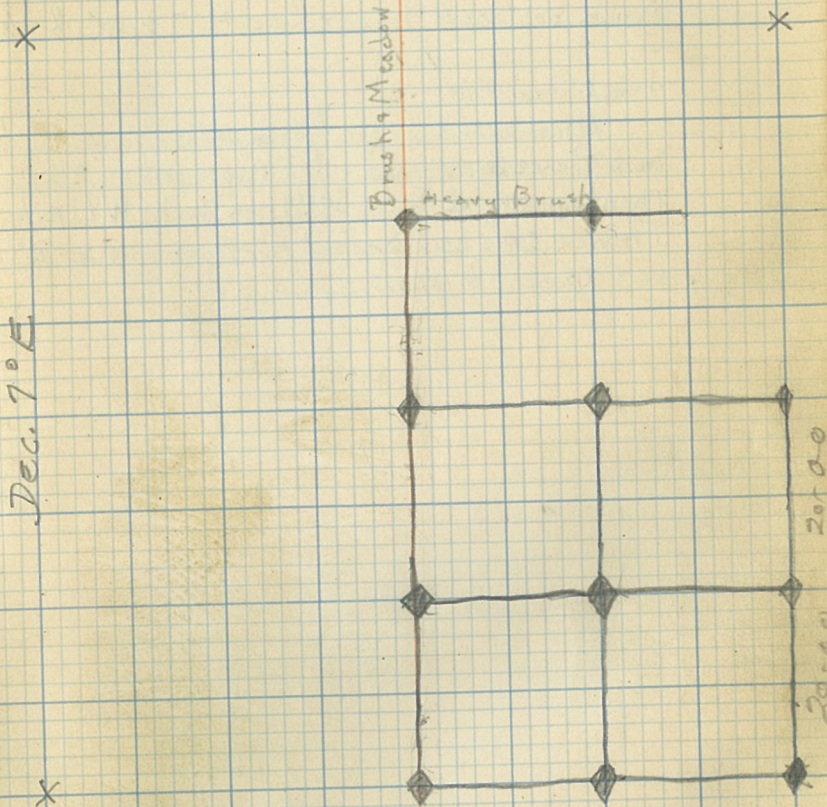
June 4 - Mon. 1934

Beginning at a point 10 chs. N of $\frac{1}{4}$ cor. Sec. 31 ran 10 chs. N to N $\frac{1}{16}$ cor. and set 4" Aspen post. Thence 20 chs. E and set 4" Jack pine post as NE $\frac{1}{16}$ cor. Sec. 31. Thence 10 chs. E. Set stakes every 2 chs.

June 5 - Tues. 1934

Beginning at N $\frac{1}{16}$ cor. $\frac{\text{Sec. 31}}{\text{Sec. 4}}$ ran 20 chs. W and set 3" Aspen post as NE $\frac{1}{16}$ cor. Sec. 4. Thence 20 chs. W and set 4" Birch post as N $\frac{1}{16}$ cor. Sec. 4. Then beginning at point 10 chs. S of $\frac{1}{4}$ cor. $\frac{\text{Sec. 31}}{\text{Sec. 4}}$ ran 8 chs. S.

-6-
Sec. 31 - T146NR29W



Dec. 7° E

June 6 Wed. 1934

Beginning at a point 18 chs. S of $\frac{1}{4}$ cor.
Sec. 33² ran 2 chs. S to N $\frac{1}{16}$ cor. Sec. 4. Then
20 chs. S and set 4" Aspen post as temp. C $\frac{1}{4}$ cor.
Sec. 4. Thence 20 chs. S. and set 3"
Birch post as S $\frac{1}{16}$ cor. Sec. 4. Then 8 chs.
S.

June 8 Thurs. 1934

Beginning at E $\frac{1}{16}$ cor. $\frac{832}{54}$ ran 20 chs. S to NE $\frac{1}{16}$ cor.
Sec. 4. Thence 20 chs. S and set 3" Aspen post as E $\frac{1}{16}$ Sec. 4.
Then beginning at $\frac{1}{4}$ cor. S4/S3 ran 20 chs. W to E $\frac{1}{16}$.
Thence 20 chs. S and set 4" Aspen post as SE $\frac{1}{16}$ cor.
Sec. 4. Thence 8 chs. S.

Junell - Mon. 1934

Beginning at Approx. Sec. Cor. ^{27|36} _{534|35}
ran 20 chs. S. and set 3" Aspen post as N ¹/₁₆
sec. 34 | sec. 35. Cor. post 28 hrs. E as cor. in
road. Type Aspen saplings and poles. Then
20 chs. S and set 4" Aspen post as ¹/₄ cor. ^{534|335}
Type Aspen poles and trees. Thence 20 chs. S
and set 4" Aspen post as ⁵/₁₆ cor. ^{534|335}. Type
Aspen, Norway and Whitepine poles and trees.
Then 2 chs. S.

June 12 - Tues. 1934

Beginning at a point 2 chs. S of ⁵/₁₆
cor. ^{535|334} ran 18 chs. S. and set 4"
Aspen post as Sec. Cor. ^{535|334}

- 8 -

Sec. 35 - T147 N R29 W



June 14, 1934

Beginning at Sec. Cor. 5 to 2 ran 19 chs. 80 hks. E and set 4" Aspen post as W 1/4 cor. Sec. 2. Thence S 22 chs. 70 hks. and set 4" Aspen post as NW 1/4 cor. Sec. 2. Then W 14 chs.

June 15, Fri. 1934

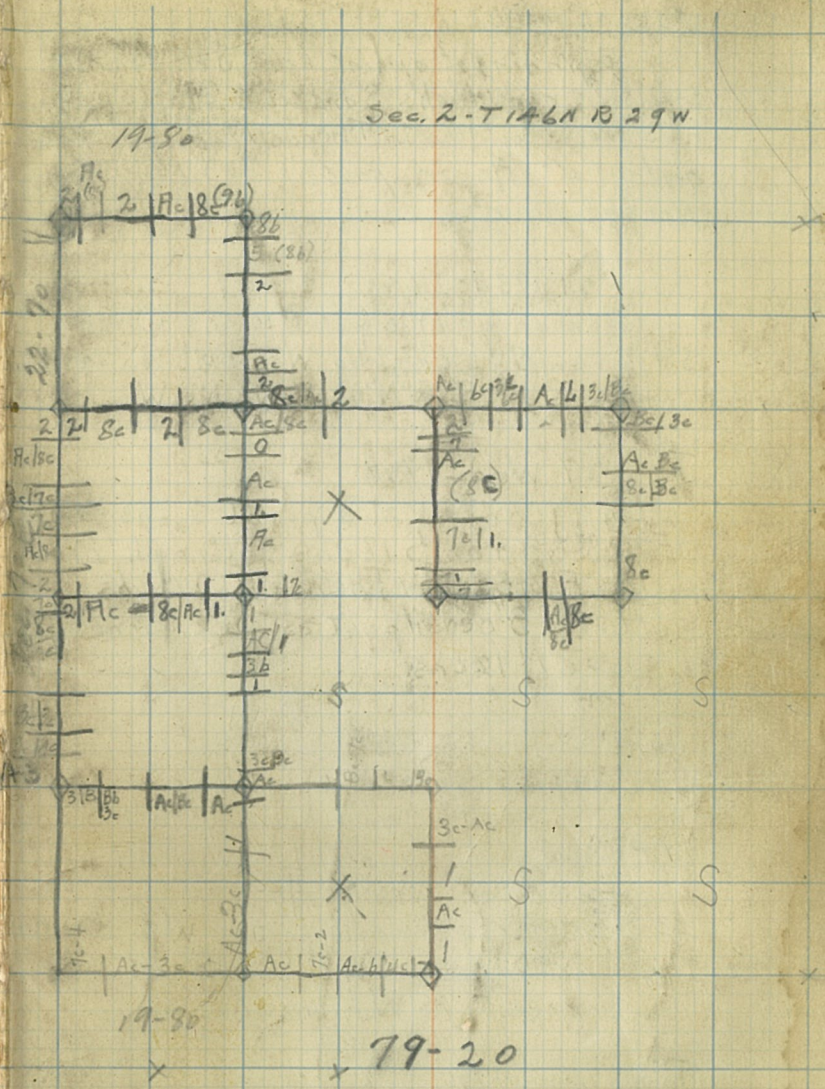
Beginning at a point 14 chs. W of NW 1/4 cor. Sec. 2 ran 5 chs. S to W to N 1/4 cor. Sec. 2 / Sec. 2 missing cor. by 9 hks. W and 8 hks. S. Then 20 chs. S and set 4" Aspen post as 1/4 cor. S. Thence E 20 chs. and set 4" Alder post as W 1/4 cor. Sec. 2. Thence N 8 chs.

June 8, Mon. 1934

Beginning at a point 8 chs. N of W 1/4 cor. Sec. 2 ran 12 chs. N to NW 1/4 cor. Sec. 2 but missed cor. by 12 hks. W. Thence 19 chs. S E and set 4" Birch post as N 1/4 cor. Sec. 2. Thence S 20 chs. and set 4" tamarack post as S 1/4 cor. Sec. 2. Then E 8 chs.

June 19 - Tues. 1934

Beginning at a point 8 chs. E of C 1/4 cor. Sec. 2 ran 12 chs. 80 hks. E and set 4" Aspen post as E 1/4 cor. Sec. 2. Thence 20 chs. N and set 4" Birch post as NE 1/4 cor. Sec. 2. Then 20 chs. W to N 1/4 cor. Sec. 2 coming out 12 hks. E. Then beginning at 1/4 cor. Sec. 2 ran 6 chs. S.



June 20, 1934 - Wed.

Beginning at a point 6 chs. S of $\frac{1}{4}$ cor.
Sec. 3 | Sec. 2 ran 14 chs. S and set 3" Maple post
as S $\frac{1}{16}$ cor. Sec. 3 | Sec. 2. Thence 19 chs. So LKs E
and set 4" Aspen post as Sw $\frac{1}{16}$ cor. Then
North 10 chs.

June 21, 1934 - Thurs.

Beginning at a point 10 chs north of
SW $\frac{1}{16}$ ran N 10 chs to W $\frac{1}{16}$ but missed
corner by 3 LKs N and 13 LKs W

June 27 - Wed - 1934

Beginning at a point 2 chs. S of
SE $\frac{1}{16}$ Sec. 3 ran S 18 chs. setting 4" birch
post as E $\frac{1}{16}$ Sec. 3. Thence E 20 chs.
setting 3" cedar post as Sec. corner $\frac{31}{16}$
Thence N 12 chs.

June 28 - Thurs. - 1934

Beginning at a point 12 chs. N of
Sec. corner $\frac{31}{16}$ ran N 8 chs. to St $\frac{1}{16}$ Sec. 3-2
but missing corner 4 LKs. W and 1 LK. S.
Thence to Sec. corner $\frac{31}{16}$ and ran E
20 chs. setting 3" maple post as W $\frac{1}{16}$ Sec. 2-11
Thence N 20 chs. to SW $\frac{1}{16}$ Sec. 2 but miss-
ing corner 5 LKs W and 8 LKs. S.

June 29 - Fri. - 1934.

Beginning at SW $\frac{1}{16}$ Sec. 2 ran E 20 chs.
setting 4" birch post as St $\frac{1}{16}$ Sec. 2. Thence
S 20 chs setting 2" alder post as $\frac{1}{4}$ corner
Sec. $\frac{2}{11}$.

July 2 - Mon. - 1934

Beginning at $\frac{1}{4}$ Corner Sec. 7 ran W 20 chs to W $\frac{1}{16}$ Sec. 7
but missing corner 7 LKs. W and 11 LKs. S. Thence to W $\frac{1}{16}$ Sec. 2 and
ran E 6 chs

July 11 - Wed. - 1934

Beginning at $\frac{1}{4}$ corner Sec. ~~28~~²¹ T146N R. 29W set 4" oak post at dissecting point of 2 witness trees, ran S setting 4" birch post #5 to corner Sec. 28. Thence S 20chs to $\frac{1}{4}$ Corner Sec. 28 but missing old corner 24 LKS S and 31 LKS E. Set 2 birch posts as guard posts to old 3" inscribed corner

Bearing Trees $\frac{1}{4}$ C S 28

7" Tamarack - N66E 36 (scribe 145) #5 Tag

12" Jack Pine - S33E 38 ("161)

Thence S 4chs.

July 12 - Thurs. - 1934

Beginning at a point 4chs. S of $\frac{1}{4}$ corner Sec. 28 ran S 16chs setting a 4" oak post as #12 to corner Sec. 28. Thence S $\frac{1}{4}$ C S ~~28~~³³ 20chs but missing old corner 9 LKS N and 6 LKS E

Bearing Trees $\frac{1}{4}$ C S ~~28~~³³

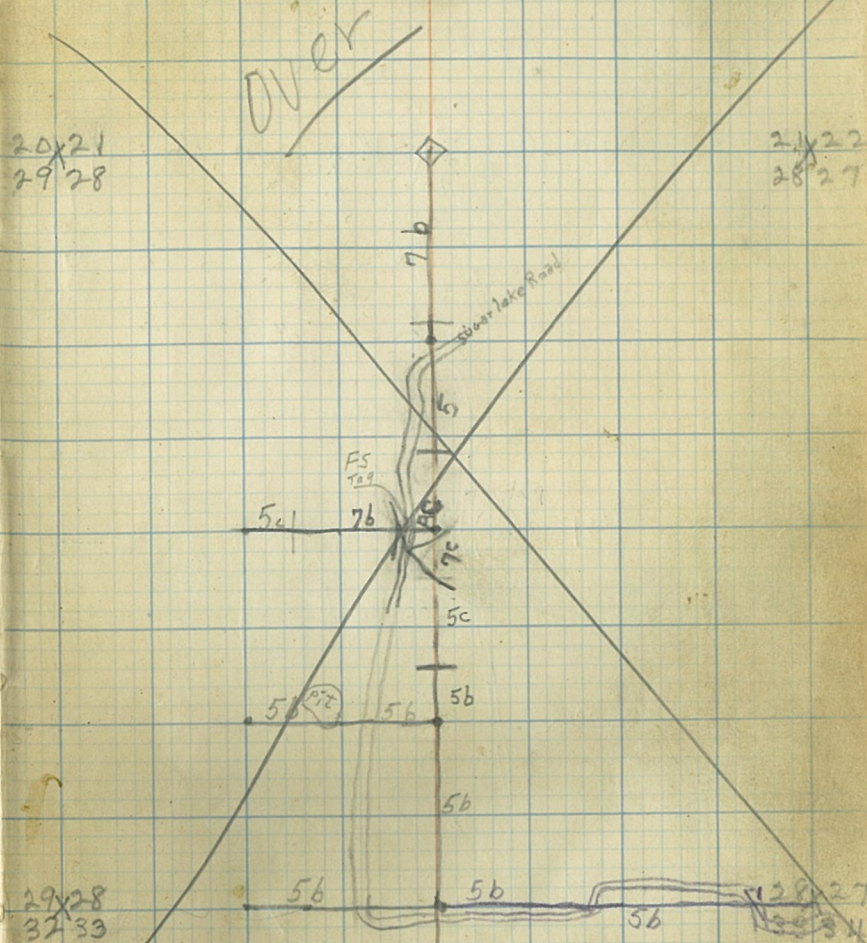
(scribed) 12" stump 4' high S 27W 40

(scribed) 12" stump 15" high, top broken on ground N1W 52

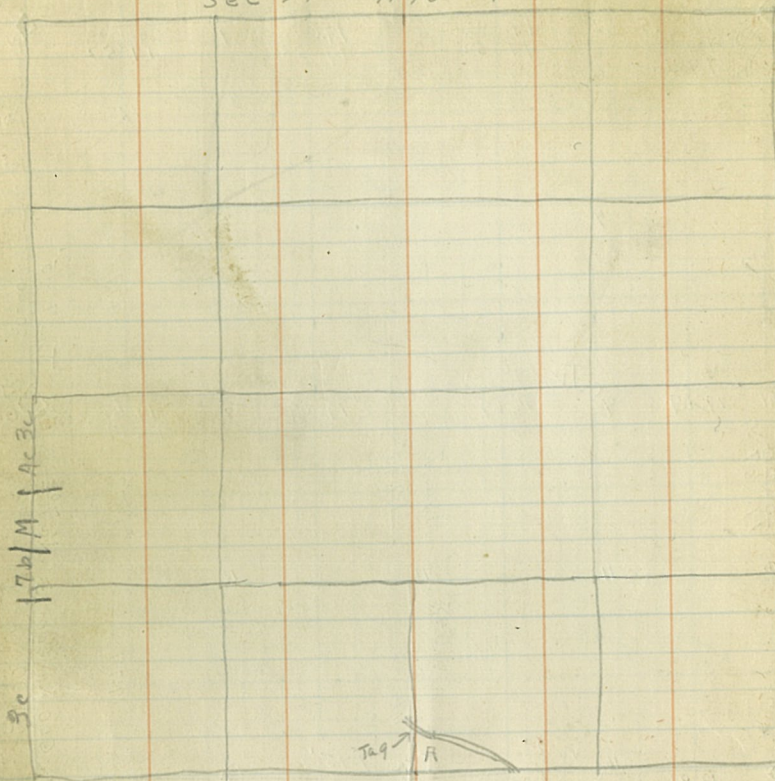
(F.S.-P) 6" Jack Pine S 76W 22

Old corner not found but 4" Jack Pine placed from bearing tree data. Thence W 14chs.

-13-
Sec. 28 T146N R29W



Sec 21 T146-29



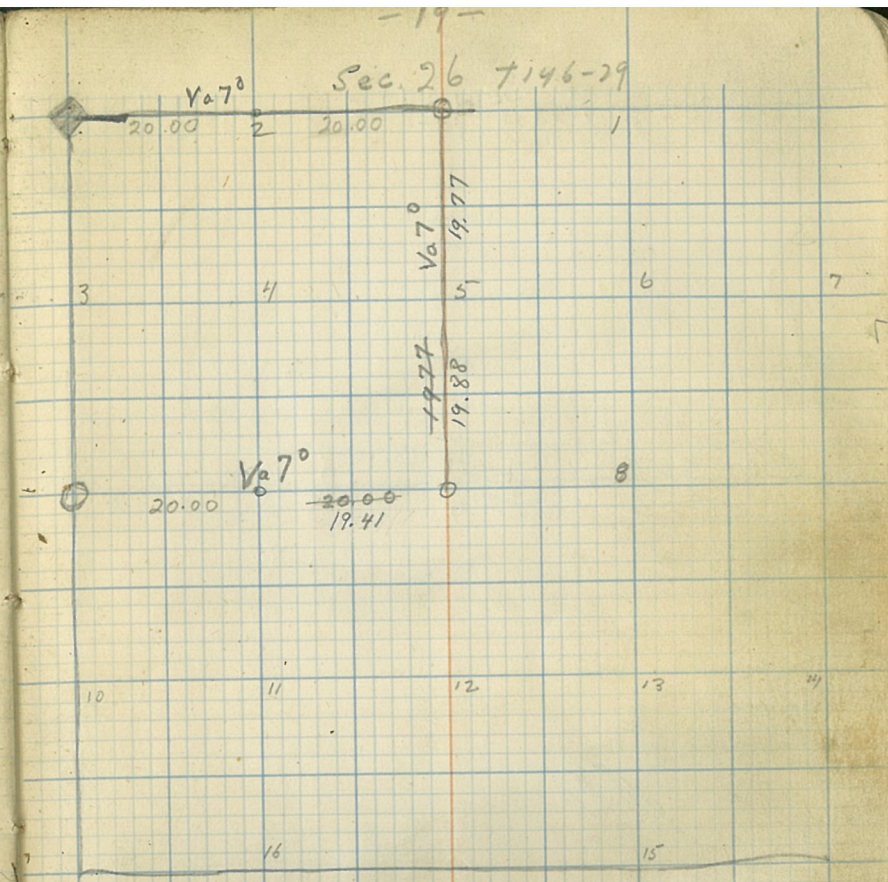
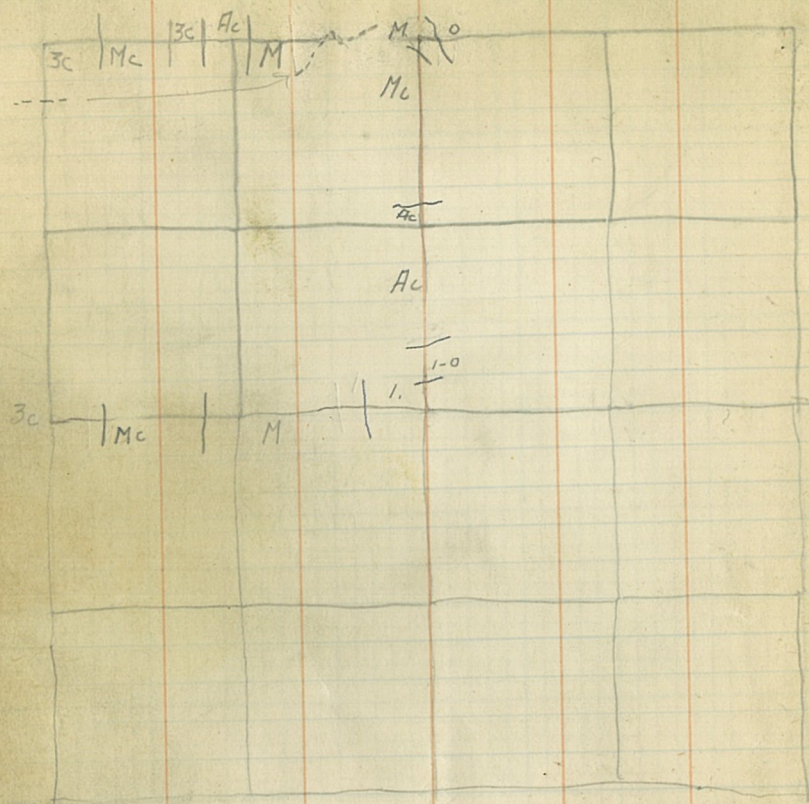
-18-

T146N R29W Sec. 21 T146-29

Va 7"
24.50

Va 7"
24.50





NO. 2

56

11-50-1

50

Ap

T. 145 N R. 29 W Sec 20

V₈₇°

20,00

V₈₇°

20,00

20,00

0

1856

V₈₇W

4

5

6

7

9

8

11

12

13

14

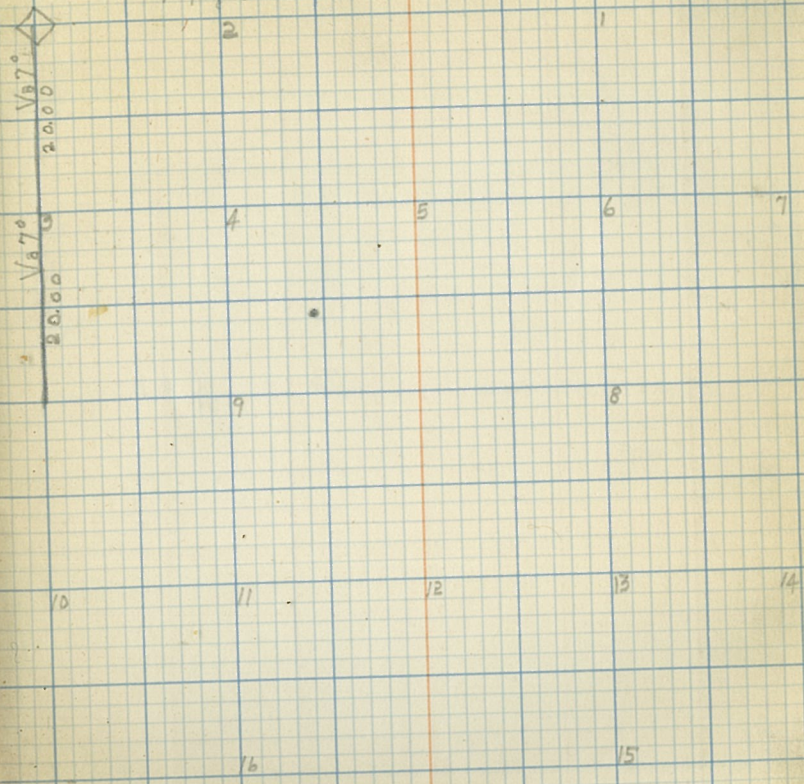
16

15

5c Ab | Ac = 5c | 9 | Ac

-24-

T145N R29W S29



7b

AD

Ab - 5c

91A

-2 5-
T145N R29W S30

2

1

Va 70

10.00

3

4

5

6

Va 72

20.00

9

8

20000

Va 70

10

11

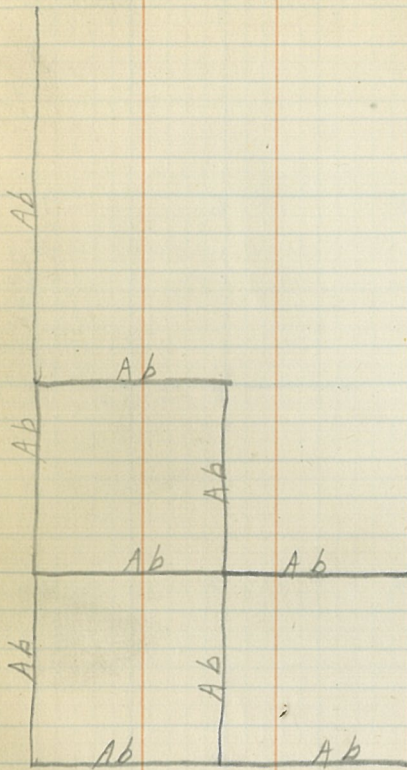
12

13

14

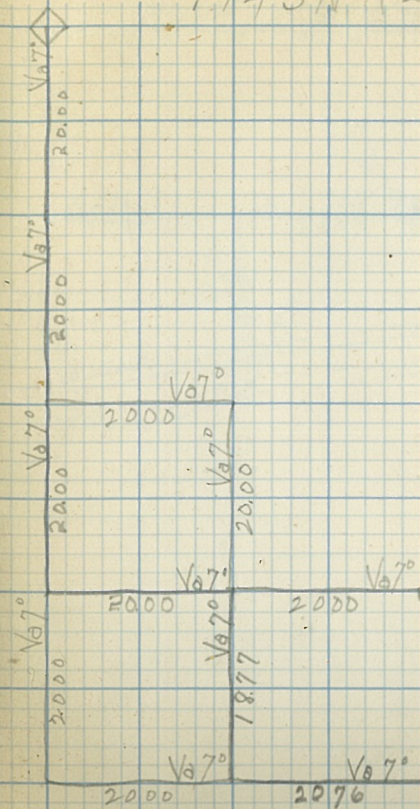
16

5



-26-

T145N R29W S 32



John Murehie

Assistant Leeder

Head chainman and compassman

I Anderson - rear chainman

R Jenson

H. Mickelson } Brush crew

A Amott

L Madsen stake man.

Starting line from corner
with compass, and using three
cornered, pencil topped stakes
and lining in by eye

T 146 N R 29 W Sec. 27

Dec. 6, 1934

Started 6 chains to #9 ran North
20 chains and established #4
continued North from #4 19.85 chains
to #2. Checked in 5 Links West of
#2 Established corner #4

6 - #4 Aspen

#4 - #4 Swamp

4 - #2 Aspen

Started at #1 running south, crossed
road 12 chains 63 Links from #1 ran to
station 14. #1 - 14 Aspen pole

T 146 N R 29 W Sec. 27

Dec. 7, 1934

Started at a point 14 chains
south of #1 continued south.
established #6 at a point 20
chains south of #1
14 - #6 Aspen pole, Few Birch
Continuing south 20 chains
and checked in 69 Links West of
#8

Continued south from #8 ran
20 chains south and established #13

#8 - #13 Aspen pole

continued south from #13

#13 - #8 Birch sapling

8 - #15 Aspen pole

crossed GLO line 19.10 chains south
of #13.

Ran 19.62 chains south to #15
checked in 28 Links West of #15

T146N.R29W. Sec 27

Dec. 10, 1934

Started at #7 running West
20.46 chains to #6, checked
in 7 Links North of #6.

0-#6 Aspen pole Fell birch
Continued West from #6. crossed
trail 15.98 chains West of #6
Ran 18.85 chains from #6 to #5
checked in 1.5 Links North of
#5

#6-#5 Aspen pole

Started at #5 ran West 19.99
chains to #4

Checked in 9 Links North of #4

#5-3.50 Black spruce pole

3.50-#4 Birch and Aspen pole

T146 N. 17 29 W. Sec. 27

Dec. 11, 1934

Started at #4 ran West

30.31 chains to #3, checked in 17 Links

South of #3

- #4 - 2 Birch and Aspen pole
- 2 - 9 Larch and Black Spruce (swamp)
- 9 - 12 Birch and Aspen pole
- 12 - 15 Larch and Black Spruce pole
- 15 - #3 Aspen pole

Started at #10 ran East

Crossed foot trail 12.12 chains East of #11

Ran 30.10 chains to #11, checked in 39 Links North of #11

- #10 - 2 Aspen pole
- 2 - 4 δ pine mature
- 4 - 6 Willow and Alder sapling
- 6 - 9 Aspen pole
- 9 - 16 Jack & Norway pine mature
- 16 - #11 Aspen pole

Started at #11 ran East

Crossed road 14.54 chains running East from #11.

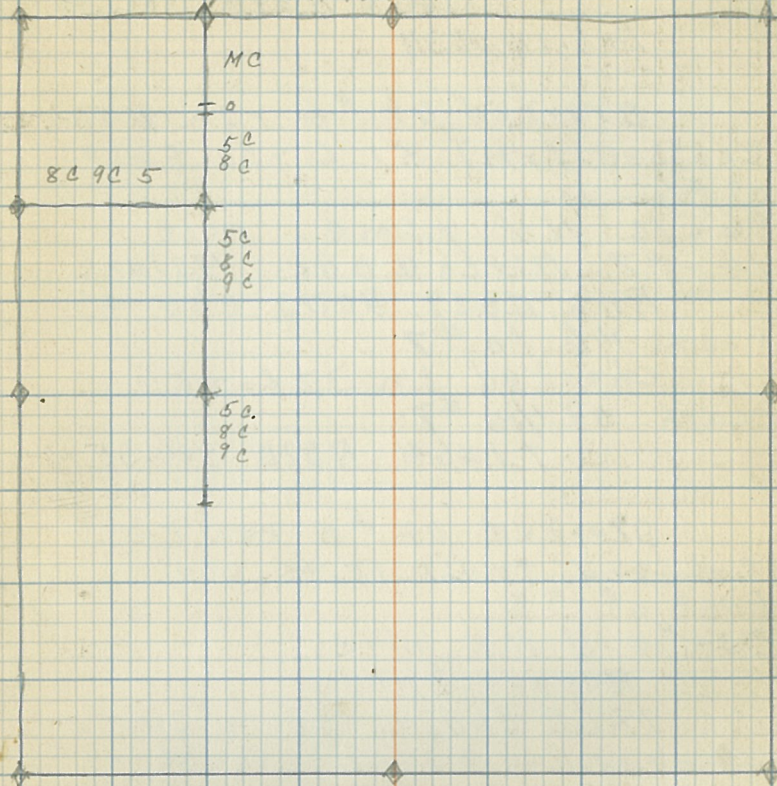
Ran 19.62 chains East to #12 checked in 26 Links South of #12

- #11 - 6 Aspen FEIN Oak pole
- 6 - 10 Norway White pine Mature
- 10 - #12 Aspen pole

T 146N R29W Sec 35
 Dec. 13, 1934
 Started at #2 ran south
 20 chains and established
 temporary #4
 Crossed road 11.28 chains
 south of #2.
 Crossed fire trail 18 chains
 south of #2.
 #9 - 8 Birch & Aspen
 8 - 10 open
 10 - #4 U N pine
 Continued south from #4
 ran south 20.9 chains to #9
 checked in 58 links
 #4 - #9 N U W pine
 Continued south of #9
 ran south 11 chains to the
 Miss River bank.
 #9 - 11 N U W pine

34

T 146N R29W S35



T146N R99W Sec. 34
Dec. 14, 1934

Started at #6 ran East,
crossed trail 51 Links East
of #6

#6-14 NW pine pole
14-#7 Birch & oak Mature
Ran East 20.12 chains
from #6 to #7
checked in 37 Links
south of 1/16 #7
T146N R99W Sec. 35

Started at #3 ran East,
crossed trail 18.35 chains
East of #3

#3-#4 NW pine
Mature & pine
19.62 chains from #3 to #4
checked in 9 Links south of #4
T146N R. 99W Sec. 27

Started at #14 ran West
Ran West 20.10 chains from
#14 to #13
checked in 50 Links North
of #13

#14-14 Birch
14-16 NW pine
16-20 Aspen

T146 N R. 29W Sec. 33

Dec. 17, 1934

Started at #1 ran south

16.23 chains to Miss. River bank,

23 Links East to B.M. set in
3" pipe

#1 - 16 Up pine pole

T146 N R. 29W Sec. 27

Started at 2 chains West

of #13 continued West 19.51

chains from #13 to #12, checked

in 29 Links South of #12

2-10 Aspen pole

10-#19 W N pine pole

T146 N R. 29W Sec. 26

Started at #2 ran south

20 chains and established temp.

#4

#2-2 Aspen

2-9 Birch

9-12 Balsam & W pine

12-14.50 Alder

14.50-17 Balsam

17-18.50 open

18.50-#4 Balsam & W oak.

continued south 6 chains

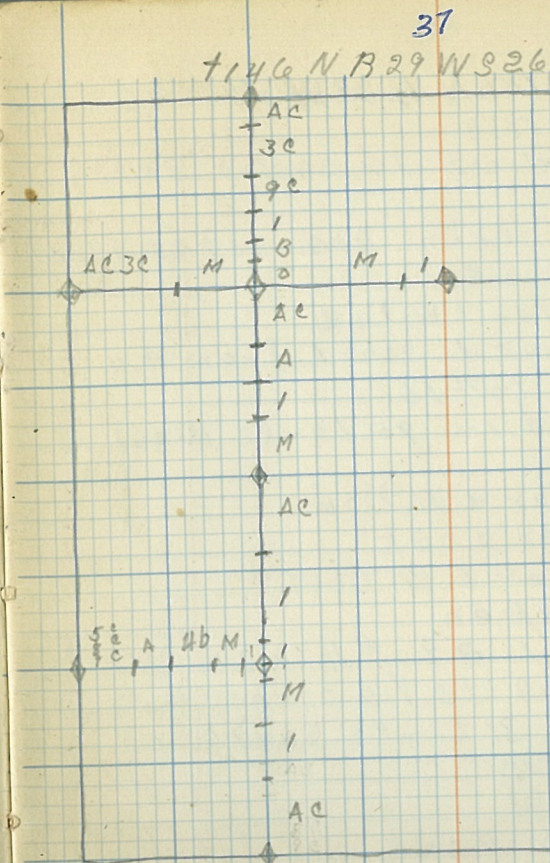
#4-6 Aspen.

36

T146 N R 29W 333

50

T146 N R. 29 W Sec 26
 Dec. 18, 1934 Cloudy, Snowing
 Started at #3 ran East,
 19 chains from #3 to #4
 #3 - 12 Aspen & Birch, pole
 12 - 14 Alder & Willow
 14 - #4 Aspen & W oak Mature
 checked in 32 Links North
 of #4
 Continued East of #4
 90 chains to #5,
 checked in 31 Links South
 of #5
 #4 - 16 Aspen & Birch Mature
 16 - #5 Alder
 Started at a point 6 chains
 South of #4
 19.56 chains from #4 to #9
 checked in 87 Links West of
 #9
 6 - 10 Aspen Mature
 10 - 14 Alder & Willow
 14 - #9 Aspen & oak
 Continued South of #9
 #9 - 4 Aspen & Balsam
 4 - 16 Willow & Alder



T146N R29W Sec. 26

Dec 19, 1834

Started at 16 chains South
of #9.

Ran 4 chains and established
temp^l/corner #11.

16 - #11 Alder & Willow

Continued south from #11

19.39 chains to #16.

checked in 95 Links West of

#16

#11 - 1 Alder & Willow

1 - 6 Aspen & oak

6 - 13 Alder & Willow

13 - #16 Aspen

started at #11 ran West

19.30 chains to ¹/₁₆ corner #10

checked in 31 Links South of

¹/₁₆ corner #10

#11 - 1 Willow

1 - 5 Aspen & oak

5 - 10 Balsam & cedar

10 - 13 Aspen

13 - #10 4 W N pine

T146N R29W S22

Started at #15 ran North.

B.t. 14" Aspen N 40° W

B.t. 10" oak S 45° E

Ran 2 chains North.

0 - 2 Aspen

T 146 NB 29W S 22
Dec. 21, 1934

cloudy - cold

Started at $\frac{1}{16}$ corner #6

continued North

0 - 8 Aspen & Balsam

8 - #1 W pine - Aspen - Balsam

Ran 19.63 chains North

from $\frac{1}{16}$ corner #6 to $\frac{1}{16}$ corner

#1, checked in 50 links West

of $\frac{1}{16}$ corner #1

Started at $\frac{1}{4}$ corner 40

chains West of NE Section

corner. ran south

B.T. $\frac{1}{4}$ S 22 S 31° W

B.T. $\frac{1}{4}$ S 15 N 26° W

0 - 6 Aspen & Balsam

6 - 8 Alder

8 - #4 Larch

Established temporary

$\frac{1}{16}$ corner #8 20 chains south of

$\frac{1}{4}$ corner

continued south 20 chains

and established temporary

$\frac{1}{4}$ corner, (center corner)

continued south 4 chains

0 - 4 Aspen & Balsam

T 146 N R 29 W S 22

Dec. 27, 1934

Cloudy - Cold

Started at a point 4 chains
south of center $\frac{1}{4}$ corner.

4 - #12 Aspen & Balsam Mature.

Ran south 16 chains and
established temporary $\frac{1}{16}$ corner
#12

Continued south 19.44 chains
to $\frac{1}{4}$ corner.

checked in 25 Links East
of $\frac{1}{4}$ corner

O - $\frac{1}{4}$ corner Aspen - Balsam

T144 N R29W S17 Q8
Dec. 28, 1934

Started at $\frac{1}{4}$ corner ran
West 19.82 chains to $\frac{1}{16}$ corner
#9 checked in 34 Links South
of $\frac{1}{16}$ corner #2
0-11 oak Mature
11-#2 Balsam

Started at $\frac{1}{4}$ corner
(center of S17) ran south 20 chains
and established temporary $\frac{1}{16}$
corner #12

0-7 oak & Aspen
7-10 Aspen - W pine
10-#12 W pine & Balsam
continued south 10 chains
0-6 W pine - Balsam
6-10 Cedar

42
T144 N R29W S 17 - 8
B I M

N
Ab
9b
9c
46

T146 N R 29 W S 22

Jan. 2, 1935

Clear - Warm

Started at 1/4 corner ran

West,

B.T. T146 N R 29 W S 22

N30° W 12" oak

BT T146 N R 29 W S 22

N89° E 4" oak

0-6 Aspen pole

5.24 chains West & crossed

road

6-9 open

9-16 Aspen pole

16-#8 Black spruce

ran 90.7 chains West to

1/16 corner #8

checked in 14 Links south

of 1/16 corner #8

Continued West.

0-20 Aspen & oak pole

ran West 19.19 chains to temp.

1/4 corner

checked in 37 Links North

of temporary 1/4 corner.

Continued West

0-10 Aspen & oak pole

7146N B 29W 322
Jan 3, 1935 clear - cold

started at a point 10 chains
west of temporary $\frac{1}{4}$ corner.
10-12 Balsam - Aspen pole
12-#9 Alder - Willow

Established temporary $\frac{1}{16}$
corner #9

continued West.

0-4 Alder - Willow - Larch

4-8 oak - Aspen pole

8-12 open

12- $\frac{1}{4}$ Balsam - Aspen

Ran West 19.49 chains
to $\frac{1}{4}$ corner

checked in 11 links
south of $\frac{1}{4}$ corner

started at $\frac{1}{16}$ corner

#10 ran East.

0-6 Larch

6-8 W pine

8-14 Alder

14-17 open

17-20 N W pine

Established temporary
 $\frac{1}{16}$ corner #11

continued East

0-20 oak - Aspen pole

ran 19.50 chains to $\frac{1}{16}$
corner #12

checked in 42 links

North of $\frac{1}{16}$ corner #12

T146 N B 29 W 322
 Jan. 4, 1935 clear - cold

started at $\frac{1}{16}$ corner #14
 ran West
 crossed road at the corner
 0-6 Aspen pole
 crossed road 3.37 chains
 West of $\frac{1}{16}$ corner #14
 crossed road 7.74 chains
 West of $\frac{1}{16}$ corner #14
 6-19 Aspen & Birch
 19-18 Birch - oak
 ran West 19.42 chains
 to $\frac{1}{16}$ corner #13
 checked in 1 link North
 of $\frac{1}{16}$ corner #13
 18-#13 Aspen - Balsam
 continued West
 0-8 Aspen - Balsam
 8-10 Aspen pole
 10-#12 Aspen - Balsam
 ran West 19.13 chains
 to $\frac{1}{16}$ corner #12
 checked in 60 links North
 of $\frac{1}{16}$ corner #12
 started at $\frac{1}{16}$ corner #16
 ran North
 0-6 W - Pine Mature
 6-#11 Aspen Mature
 ran North 19.93 chains to #11
 checked in 36 links West of $\frac{1}{16}$
 corner #11
 continued North 10 chains

7146 N 329 W S 22

Jan 7, 1935 clear Warm

Started at a point 10 chs. North of 1/16 corner #11

- 10-18 oak - Balsam Mature
- 18-#9 Larch - Alder

ran 19.76 chains North to 1/16 corner #9

checked in 45 links East of 1/16 corner #9

0-#4 continued North

0-3 Larch - Alder

3-6 open

6-10 Aspen - Birch pole

10-12 Larch pole

12-#9 Aspen pole

Established temporary 1/16 corner #4.

continued North and established temporary 1/16 corner #9.

Started at North West section corner of 399 ran East

B.t. 10" B. spruce N 45° E

B.t. 12" B spruce N 25° W

B.t. 12" B spruce S 70° W

0-#8 Black spruce

0-6 Balsam

T146 N B29 W S22

Jan 8, 1935 snowing - Warm
started at the south
East section corner and
ran North

0-15 Aspen Mature

15-18 W spruce

18-#14 Aspen - oak Mature

Established $1/16$ corner

#14. continued North

0-6 Aspen - oak Mature

6-8 open

8-17 Aspen Mature

17-20 open

ran North 19.84 chains
to $1/4$ corner.

36 links West of $1/4$ corner,

B. t. 12" oak N 30° W

B. t. 3" oak N 89° E

continued North

0-16 oak - Aspen Mature

16-#7 open

Established temporary
 $1/16$ corner #7.

0-14 open

continued North 14
chains.

crossed road 2.25 chs
North of $1/16$ cor. #14

title N 13 99 W S 22.

Jan 9, 1935 snowing
started at a point 6 chs

East of 1/16 cor. #2
6-14 cor. Balsam pole
39.68 chains from NW

S corner to 1/4 corner
7 Link North of 1/4 cor.
Continued East.

0-13 Aspen Mature

13-15 open

15-#1 Aspen - Balsam
Jan 19.84 E to 1/16 cor #1
1 Link South of 1/16 cor #1
Continued East.

0-8 oak Mature

8-Scor Alder - Aspen.
79.98 chains from NW
S corner to NE corner
started at a point 14
chains North of 1/16 cor. #7.
ran North.

14-17 open

17-20 Aspen
19.84 chains from 1/16 cor
#7 to NE S corner.

Then started at a point 14 chains
North of 1/16 corner #7 ran North 5.84
chains to NE S corner.
checked in 16 Links East to
Section Corner.

7146 N 1799 W S 22
Jan. 10, 1935 clear cold

5 Men

Started at $\frac{1}{16}$ corner #7 ran
west

0-2 open

2-4 Willow - Aspen sapling

4-8 open

8-12 oak mature

12-14 Aspen pole

14-#6 Balsam pole

Crossed road 16.62 chains west
of $\frac{1}{16}$ corner #7

20.93 chains from $\frac{1}{16}$ corner #7
west to $\frac{1}{16}$ corner #6.

Checked in 5 links south to $\frac{1}{16}$
corner #6

Continued west 19.30 chains
to $\frac{1}{16}$ corner #5

Checked in 47 links south
to $\frac{1}{16}$ corner #5

0-#5 Balsam pole.

Continued west

0-8 Balsam pole

8-10 Alder

10-14 Larch sapling

14-16 Alder

16-17 Birch pole

17-#4 Alder.

19.89 chains to $\frac{1}{16}$ corner
#4

checked in 12 links south
of $\frac{1}{16}$ corner #4

+146NR99W S16

Jan 14, 1935 cold
 Declination 5 Men
 6:30 Resurvey

started at the SW corner
 ran North 90 chains and
 established temporary 1/4 corner
 #10

0-12 Oak-Aspen Mature
 crossed road 3.68 chains
 North of SW corner

12-18 open

18-20 W pine seedlings scattered
 continued North 90.37 chains
 checked in 36 links East to
 1/4 corner

0-20 W pine seedlings scattered

T. 146 N R 29 W S 16
Jan. 15, 1935 clear-cold
Declination 5 Men
6'30"

started at a point 39 chains
North of 1/4 corner continued
North

39-40 Aspen pole
40.12 chains from 1/4 to NW S
corner, checked in 13 Links
East to NW S corner.

B.t. T. 146 N R 29 W S 16 Aspen 6" S 9° E
B.t. T. 146 N R 29 W S 17 Aspen 6" S 29° W
B.t. T. 146 N R 29 W S 8 W pine 2" N 35° W
B.t. T. 146 N R 29 W S 9 spruce 4" N 65° E
0-8 spruce seedlings
8-20 N pine pole

Established temporary 1/16
corner # 2 continued East

20-24 open
24-26 Aspen pole
26-32 Alder
39-40 Aspen pole

40.30 chains East to 1/4
corner checked in 11 Links
south to 1/4 corner.
B.t. T. 146 N R 29 W S 16 W pine 12"
S 36° W

0-8 W pine pole
8-14 Alder
14-18 Aspen pole
18-20 Balsam pole

Established temporary
1/16 corner # 1

20-26 Birch sapling
26-40 W pine pole
40-66 chains East to
NE S corner.
checked in on S corner.

T146NR99W S16

Jan. 16, 1935

Declination

16/15

21/22

6°30'

B.t. T146NR99W S16 spruce 10"

N 23° W 36 Links

B.t. T146NR99W S15 spruce 10"

N 46° E 24 Links

B.t. T146NR99W S22 spruce 8"

S 56° E 41 Links

B.t. T146NR99W S27 spruce 12"

S 40° W 98 Links

Ben North

0-9 Black spruce

2-14 Balsam - Aspen pole

Crossed trail 7.77 chains

North of corner

14-20 Larch pole

Established temporary 1/16

corner #14 continued North

20-32 Aspen Mature

32-35 Balsam pole

35-39 Marsh

39-40 Birch pole

39.77 chains North to

1/4 corner

B.t. 1/4 S16 W pine 96"

S 30° W 1.67 chains

0-3 Aspen pole

Crossed road at 1/4 corner

put up tag

3-6 spruce pole

6-10 Aspen pole

10-16 Aspen - Balsam pole

T146 NR99W S16

Jan. 17, 1935 clear - cold

6° 30'

5 Men

Started at a point 16 chains
North of $\frac{1}{4}$ corner ran North

16-20 Balsam pole

Established temporary

 $\frac{1}{16}$ corner #7

20-22 Balsam pole

22-28 Alder

28-32 Aspen pole

32-40 Balsam-Aspen pole

39.76 chains to NE

S corner

checked in 3 Links West

to S corner

Started at $\frac{1}{4}$ corner

ran South

0-20 Aspen pole

Established temporary

 $\frac{1}{16}$ corner #5

20-24 Aspen pole

24-30 oak pole

Jan. 18, 1935

T. 46 N R 29 W S 16

Snowing - Cold

5 Men

Started at $\frac{1}{4}$ corner ran
East.

No Bedding trees

0-4 open

4-17 Aspen pole

19-20 Spruce

Established temporary

$\frac{1}{16}$ corner #9 90 chains East

08 $\frac{1}{4}$ corner.

20-30 W pine Mature

30-36 Aspen pole

36-38 W pine pole

38-40 Spruce

Established temporary

$\frac{1}{4}$ corner.

40-44 Aspen Mature

44-50 W pine Mature

50-54 Aspen Mature

54-56 Oak Mature

56-60 Aspen pole

60-64 Spruce - Larch pole

Jan. 21, 1935 T146N R29W S16
 clear cold
 5 men

started at a point 64 chains
 East of $\frac{1}{4}$ corner
 64 - 80.19 Aspen Mature
 Ran 80.19 chains East to corner
 checked in 45 Links south of
 corner.

Crossed road 77.55 chains south
 of $\frac{1}{4}$ corner.

Started at a point 30 chains
 south of $\frac{1}{4}$ corner, ran south.
 30 - 32 Aspen pole
 32 - 42 Black spruce pole

40.04 chains south to Temp.
 $\frac{1}{4}$ corner

Checked in 6 Links West
 of corner

Continued south

42 - 44 Aspen pole

44 - 66 Aspen Mature ✓

T146N R29W S16
 clear-cold

Jan. 22, 1935 5 men

started at a point 66 chains
 south of $\frac{1}{4}$ corner ran south

Crossed road 67.44 chains
 south of $\frac{1}{4}$ corner

66 - 72 White pine Mature

72 - 79.91 Aspen pole

ran 79.91 chains south to $\frac{1}{4}$
 corner. Checked in 16 Links West
 of $\frac{1}{4}$ corner

B.T. $\frac{1}{4}$ S 91° W pine 12"
~~S 71° E~~ N 39° E
B.T. $\frac{1}{4}$ S 91° W pine 12"
S 7° E

T126N R99W S17

started at $\frac{1}{4}$ corner ran
North

B.T. $\frac{1}{4}$ S 26°
S 61° E

0-28 Aspen Mature
28-36 Larch sapling

6:30' T146N R99W S17
Jan. 25, 1935 snowing - Worm
5 men

started at a point 36 chains
North of $\frac{1}{4}$ corner

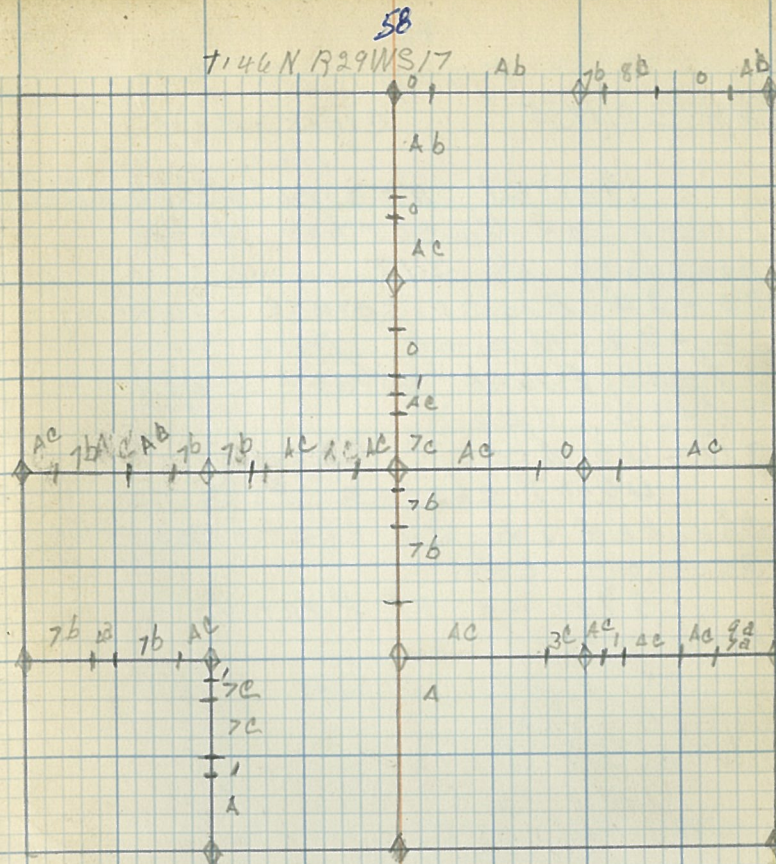
36-38 Larch sapling
38-46 Larch & Balsam pole
46-47 Aspen pole
47-49 Alder
49-50 Aspen - W pine pole
50-55 open

55-67 Aspen pole
67-69 open

69-79.79 Aspen sapling
Ran 79.79 chains North
to $\frac{1}{4}$ corner. checked in 84 Links
West of $\frac{1}{4}$ corner

started at $\frac{1}{4}$ corner
ran East.

B.T. $\frac{1}{4}$ S 17° S 9° E - 2 chains
0-3 open
3-30 Aspen sap



T146 N R 29 W S 17
Jan. 26, 1935 clear - cold
5 Men

Started at a point 20 chains
East of $\frac{1}{4}$ corner, North
boundary of S 17
20-24 Black spruce sapling
24-27 W pine pole
27-29 Black spruce sapling
29-36 open
36-46 Aspen sapling
40.07 chains to S corner
Checked in 26 Links north of
section cor.

Started at East $\frac{1}{4}$ corner
ran West
0-18 Aspen pole
18-26 open
26-40.69 Aspen pole
ran 40.69 chains West to
Center $\frac{1}{4}$ corner.

checked in 35 Links North
of temp center $\frac{1}{4}$ corner
6' 30" T146 N R 29 W. S 17
Jan. 28, 1935 cloudy - Warm
5 Men

Started at temporary
corner $\frac{1}{4}$ #14 ran West
0-6 W pine - spruce seedlings
6-10 Aspen pole
10-16 Aspen pole - Balsam sap.
16-18 Alder
18-20 Aspen pole
Established temporary.

1/16 corner #13

Continued West

0-3 Birch pole

3-20 Aspen-Balsam pole

Ran 20.40 chains West to

1/16 corner #12

Checked in 21 Links North

of 1/16 Cor. #13

Started at center 1/4 corner

ran West.

40-44 Aspen pole

44-57 Aspen-Balsam pole

57-60 Spruce sapling.

60-30'

T 146N R. 29W S17

Crest-cod

5 Men

Started at 1/16 cor #9 ran

West.

0-4 spruce sapling

4-8 Balsam-Aspen pole

8-20.47 Aspen pole

ran 20.47 chains from

#9 - 1/4 corner

checked in 83 Links

North of 1/4 cor.

started at 1/16 corner

#10 ran East.

0-4 Black spruce sap.

4-10 Aspen seedling

10-18 Larch sapling

18-19.85 Aspen pole

ran 19.85 chains East

to $\frac{1}{16}$ corner #11 checked
in 42 Links North of $\frac{1}{16}$
corner #11.

Started at $\frac{1}{16}$ corner #11
ran south.

0-2 Alder

2-4 Larch pole

4-10 Larch-spruce pole

10-12 Alder

12-19.79 Aspen Mature-Balsam
pole

Ran 19.79 chains south to
 $\frac{1}{16}$ corner #16
checked in 65 Links West
of $\frac{1}{16}$ cor. #16

15-16 Aspen - Birch pole
16-20 Aspen pole - Balsam Sap.
Established temporary $\frac{1}{4}$
Corner #8 90 chains East of
center $\frac{1}{4}$ corner. Continued East.
0-15 Aspen - Balsam pole
15-23.05 Aspen Cedar - Balsam
sapling.

Ran 23.5 chains East to
corner. Checked in 1.58 chains
south of $\frac{1}{4}$ corner.

Started at the South East
Section Corner

	19	90
Ran West.	30	29

B.T. Dead snag 9"
S 36° E T146N R99W S 99
Distance 45 Links.

0 - 40.322 River Bottom Few Dead
snags

Established temporary $\frac{1}{4}$
corner #15 90 chains West of
the section corner. Continued
West.

Ran West 40.322 chains
from Section Corner to $\frac{1}{4}$
corner. Checked in 17.5
North of $\frac{1}{4}$ corner.

Apr. 24, 1935

T146NR29M S19

(cloudy-cool)

5 Men

Started at $7\frac{1}{4}$ corner on
south section line of S 19.
ran North.

1.57 chains N to River bank
off-set the line 2 chains
East. then ran due North 10
chains. then ran West 2 chains
then ran due North.

1.39 chains South to River from
station 10.

0-13 open River bottom.

13-20 Dead snags

Established temporary

$\frac{1}{16}$ corner #12 20 chains North
of $\frac{1}{4}$ corner. Continued North.

0-1 Dead snags

1-10 Cedar saplings

10-12 Cedar-Balsam saplings

12-14 open

14-17 Aspen-pole-Balsam sapling

17-18 Alder

18-20 Mixed Hardwoods

Established temporary center

$\frac{1}{4}$ corner 20 chains North of $\frac{1}{16}$
corner #12. Continued North

0-3 Mixed-Hardwoods-Balsam-Sap.

3-9 Muskeg-Larch saplings

White pine seedlings

9-20 Aspen-Birch pole

crossed road 12.32 chains
North of center $\frac{1}{4}$ corner

put up section 709.
 Crossed old trail 14 chains
 North of center $\frac{1}{4}$ corner.
 Established temporary $\frac{1}{16}$
 corner #5 20 chains North of
 center $\frac{1}{4}$ corner.
 Continued North.
 0-4 Aspen - Birch pole

Apr 25, 1935

T146N. R29W S19
 Raining - Warm
 6 men

Started at a point 4 chains
 North of $\frac{1}{16}$ corner #5 ran North
 4-6 Aspen - Birch pole
 6-7 Cedar - spruce pole
 7-15 Muskeg - B Spruce Seedlings
 15-20 Muskeg open
 Ran 18.42 chains North from
 $\frac{1}{16}$ corner #5 to $\frac{1}{4}$ corner.
 Checked in 90 links West
 of $\frac{1}{4}$ corner.
 B.t. $\frac{1}{4}$ S18
 N 32° W 90 Links
 B.t. $\frac{1}{4}$ S19
 S 6° 15' W 57.5 Links
 Started at $\frac{1}{16}$ corner #1
 ran south.
 0-14 Mixed Hardwoods
 Balsam saplings
 14-20 B Spruce Saplings
 Established temporary
 $\frac{1}{16}$ corner #6 20 chains

South of 1/16 corner #1 Continued
South

0-3 Aspen pole - Balsam
Crossed road 9.85 chains

South of 1/16 corner #6

3-19 Mixed Hardwoods M
12-20 Mixed Hardwoods - Balsam Sapling

Established temporary 1/16
corner #8 20 chains South of
1/16 corner #6 Continued South

0-3 Aspen pole
3-5 open
5-8 Aspen - Balsam pole
8-14 Balsam - Cedar saplings

Apr. 27, 1935 T146N R29W S19
Cloudy - Cool
5 Men

Started at 1/16 corner #9
reset 1/16 corner 3.70 chains
East and 39 links North then
started at 1/16 corner #9 and
ran south

0-7 Aspen pole
7-8 Alder
8-12 Aspen pole
12-16 Aspen pole - W. Spruce N
16-18 Brush

Crossed old trail 16 chains
South of 1/16 corner #9
18-20 open

Established temporary
1/16 corner #11 Continued

South to Mississippi River
Crossed trail 3.87 chains
South of $\frac{1}{16}$ corner #11
7.66 chains South from $\frac{1}{16}$ #11
to the River.

0-7 open
started at $\frac{1}{16}$ corner #11
ran East.

0-6 open River bottom
6-19.35 brush
19.35 chains from $\frac{1}{16}$ corner
#11 to $\frac{1}{16}$ corner #12.

checked in 90 limits south
of $\frac{1}{16}$ corner #12
Continued East.

0-5 brush
5-8 Cedar sapling
8-20 Cedar B spruce sapling
Established temporary $\frac{1}{16}$
corner #13 Continued East.

0-4 cedar-B spruce sapling.

Apr. 29, 1935 T146N B29W. S19
Cloudy - cool
5 Men

Started at a point 4 chains
East of $\frac{1}{16}$ corner #13. Continued
East.

4-7 Cedar-Larch sapling
7-12 Cedar-B spruce sapling
12-18 Brush
18-20.12 Larch sapling.
Ran 20.12 East to $\frac{1}{16}$ corner

Section corner

Crossed road 12.86 chains North of
section corner

16-20 Aspen pole N pine sapling
Established temporary $\frac{1}{4}$ cor.

#10 20 chains North of section corner

20-24 Aspen pole

24-26 Aspen sapling Alder

26-30 Aspen pole

30-37 N pine pole

37-40 Alder

40.73 chains North to $\frac{1}{4}$
corner. Checked in 7.5 links West
of $\frac{1}{4}$ corner.

0-2 Brush

2-5.50 open

Crossed trail 12.50 chains North
of $\frac{1}{4}$ corner

5.50-20 Aspen sapling

19.24 chains North to $\frac{1}{4}$ corner

#3 checked in 8.5 links East
of corner. Continued North

0-3 Birch sapling

3-4 open

4-6.40 Aspen sapling

6.75 chains North to meander
corner 15.6 links East of line

6.40 chains North to lake
started at $\frac{1}{4}$ corner ran

East.

B.T. $1\frac{1}{4}$ S 7

S 97° E 88.5 links Larch $3\frac{1}{2}$

B.T. $1\frac{1}{4}$ S 12 1.45 Aspen 8'

S 46° W

0-5 Brush
crossed trail 4 chains East of $\frac{1}{4}$
corner

5-8.25 open

8.25-10 Alder

10-13 Muskeg

13-18 Muskeg spruce sapling

~~Apr. 1~~

May 1, 1935

T. 46 N R. 29 W S. 7

cloudy - cold

5 Men

Started at a point 18 chains
East of $\frac{1}{4}$ corner ran East.

18-20 Muskeg Brush

Established temporary $\frac{1}{4}$ cor.
20 chains East of $\frac{1}{4}$ corner.

0-2 Brush Muskeg

2-4 Alder

4-10 Aspen Birch pole

10-20 Aspen sapling

Established temporary $\frac{1}{4}$ cor.
20 chains East of $\frac{1}{4}$ cor # 9

0-14 Aspen sapling

14-17 Aspen pole Alder

17-20 Brush

Established temporary $\frac{1}{16}$
cor. # 8

0-6 Brush

6-10 Aspen pole

10-12 Alder

12-24 Aspen pole

24.23 chains crossed G. line
checked in 1.18 chains south
of $\frac{1}{4}$ cor.

May 2, 1935

T146 N R29 W S 7

Cloudy Cool

5 Men

Started at North East section
corner ran West.

B.T. T146 N R29 W S 5

N 88° 30' E 1.356 chs. Aspen 5"

B.T. S 6

N 56° 45' W 2.78 chs. spruce 3"

Ran on 7° Declination

0-4 Muskeg Brush

4-10 Aspen pole

10-18 Alder

Established temporary 1/4
cor. # 1

18-40 Larch sapling

39.655 chains West to 1/4 corner
checked in 11.2 links North of
1/4 cor.

B.T. 1/4 S 6 Larch 3"

N 62° 15' E 26.8 links

B.T. 1/4 S 7 Larch 3"

S 92° E 35.4 links

0-19 Larch sapling

12-18 Aspen pole

18-24 Brush

24-25 Aspen pole

Established temporary 1/4
cor. # 2 90 chs W of 1/4 cor

25-29 Brush

29.45 chs W to Lake

29.23 chs W to Meander cor.

34 links south of line

started at 1/4 cor. ran south

6³⁰ Dec.

0-8 Larch sapling
 8-9 B spruce pole
 9-12 Birch pole
 12-14 Aspen pole
 14-20 Aspen sapling
 Established temporary 1/16
 cor. 90 chs South of 1/4 cor.
 0-20 Aspen sapling - pole
 May 3, 1935 T146 N R29W S7
 Great Notch
 5 Men

Started at temporary 1/16 cor. #16

Ran East

0-16 Aspen pole
 Crossed trail 9.40 chs. East of 1/16 cor #16
 16-18.92 open

Ran 18.92 chains East to lake

Started at 1/16 cor #16 ran North

0-4 Aspen pole
 4-7 N pine pole
 7-11.50 Norway - Jack pine sap
 Crossed trail 11.28 chs. North of
 1/16 cor #16

11.50 - 16.81 Alder

Ran 16.81 chs. North to lake

Started at 1/16 cor #12 Ran

West

0-6 Aspen sapling
 6-13.55 Brush
 Ran 13.55 chs West to lake
 Started at 1/16 cor #9 ran South
 0-16 Aspen - Birch pole
 4-11 open

11 - 15.45 Brush
Ran 15.45 chs. south to lake.
Started at $\frac{1}{4}$ cor. #9 ran North.
0 - 8 Alder.

May, 6, 1935 T146 N 79° 29' W S 7
Clear - Warm
5 Men

Started at a point 8 chains North
of $\frac{1}{4}$ #9 ran North
8 - 9 Alder

9 - 14 Aspen - Birch pole
14 - 20 Maple Mature
Established temporary $\frac{1}{4}$ cor #4

20 chains North of $\frac{1}{4}$ cor #9
Ran West from $\frac{1}{4}$ #4 7° declination

0 - 3 Maple Mature

3 - 6 Aspen pole

6 - 12 Willow

Ran 13 chains West to lake

088 set 2 chs West at station 12
continued West

12 - 18 Brush

Went back to true line at station

18 continued West.

Crossed trail 20.8 chs. West of $\frac{1}{4}$ #4

24.38 chains West to $\frac{1}{4}$ #3

Checked in 66.5 Links North of $\frac{1}{4}$ #3

Started at $\frac{1}{4}$ 28 ran East

0 - 14 Aspen pole

14 - 20 Aspen Sapling

Established temp. $\frac{1}{4}$ #9

0 - 4 Aspen Sapling

Roating trees
Species, Bearing, Dist., DBH, B.F., 1/4 S8
Oak N 33° 15' E 14.5 Lks 4 1/2"
Aspen S 20° 15' W 36.5 Lks 8" B.F. 14 S7

May 7, 1935
S

T146 NR29W S8
Cledt - Warm
5 Men

Started at a point 4 chains East
of 1/4 cor #9 ran East,
4-9 Brush, crossed trail 4.94 chs.
East of 1/4 #9.

9-14 Norway pine seedlings
Crossed trail 13.87 chains East of
1/4 #9

14-17 Aspen sapling - Birch sapling
17-20 Muskeg - Brush.

Established temporary 1/4 #9
30 chs East of 1/4 cor. #9
continued East.

0-20 Muskeg - spruce seedling
Established temporary 1/4 #8 30 chs
East of center 1/4 corner.

0-19 Muskeg spruce seedlings
19-30 Aspen pole

30.395 chs East to 1/4 cor. Crossed
G10 line 19.92 chs East of 1/4 cor.
checked in 19 links North of 1/4
corner.

088 set 30.8 links West to G10
line ran south.

40-44 Aspen pole

44-55 Swamp - Brush

55-60 Birch sapling

Established temporary 1/4 cor #14
30 chs. south of 1/4 cor

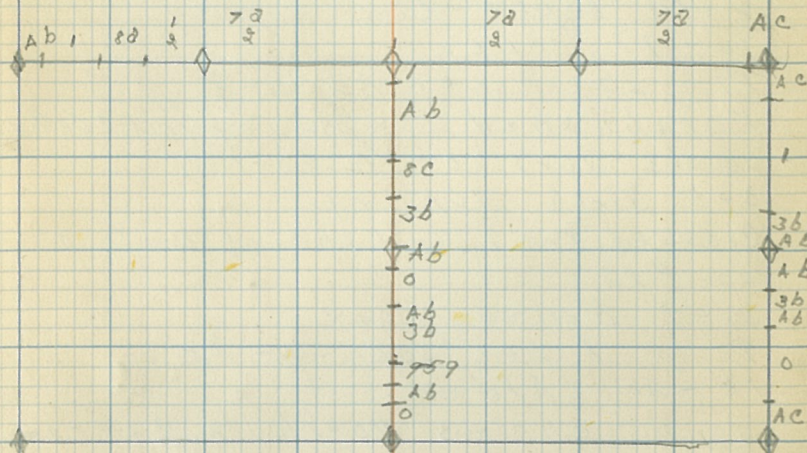
60-64 Aspen sapling

64-69 Birch - Aspen sapling

69-77 Muskeg open

74

T146 NR29W S8



species	DBH	Bearing	Dist.	1/4 S8
Aspen	7.4	N61°W	6.9	
Aspen	8"	S31°30'E	9.2 Lks	1/4 S9
W pine	13.2	N35°W	7.8 Lks	T146 NR29W S8
Aspen	5	S1°E	31.5 "	T
Aspen	5	S24°W	24 "	
Spruce	5	N65°30'E	73 "	T146 NR29W S9
Aspen	7.1	N27°W	7.9	
Aspen	7.1	N71°30'W	11.5	
N pine	11.1	S 20° E	9.178 chs	1/4 S17 01.
N pine	11.7	N 86° 45' W	2.452	1/4 S8 B.F.

77-80 Aspen pole
 80.4 chains South to South East
 section corner
 checked in 19.6 links East of corner
 started at $\frac{1}{4}$ ran North

0-4 open swamp

4-5 Aspen sapling

5-8 W pine mature

8-14 Aspen-Birch sapling

14-17 open

17-20 Aspen sapling

Established temporary $\frac{1}{16}$ cor #12

20 chs North of $\frac{1}{4}$ corner

0-5 Birch sapling

Crossed trail 4.91 chains North of $\frac{1}{16}$

cor #12

5-9 W pine pole

9-18 Aspen sapling - Alder

18-20 Alder

20.45 chains North to center

$\frac{1}{4}$ corner from $\frac{1}{16}$ cor #12

checked in 19.2 links West of

center $\frac{1}{4}$ corner

May 8, 1935 T145 NR29W S15

cloudy - Cool

5 Men

Started at temporary $\frac{10}{11}$

North East section Cor. 15.14

ran North.

0-7 Brush

crossed road 3.18 chains

North of corner

Started at center $\frac{1}{4}$ corner
ran East.
0-8 \downarrow pine pole - Alder
3.575 chains East to our $\frac{1}{4}$.
line.
8-14 Brush
May 10, 1935

T146 N R29W S10
Cloudy - Cool
5 Mex.

Started at the North West corner
of section 10 ran East. $\frac{43}{910}$
B.T. N 47° W 10.5 chs. Dead snag $2\frac{1}{2}$
T146 N R29W S4
0-8 Larch sapling
8-14 Birch pole - Balsam sapling
14-18 Brush

Established temporary $\frac{1}{4}$ e
corner #2 90 chs E of section
corner -

18-28 Larch - spruce sapling
28-32 Birch pole - Balsam Sap
38-46 Brush
46-54 Larch pole

54-62 B spruce pole
Established temporary $\frac{1}{4}$ e cor.
#1 60 chains East of S cor.
Crossed road 44 chains East
of S corner

60.695 chains E to old $\frac{1}{4}$ cor
#1 checked in 43 links North
of corner, continued East on
our own line.
62-66 Burn

Percent tails

Frequency

66 - 79.80 Cedar sapling
79.80 chs East to NE section
corner, checked in 14 links
North of section corner.

40

50

60

70

80

90

100

78

700

600

500

400

300

200

100

Frequency

0

10

20

30

40

50

60

70

80

90

100

Percent Tails

NATURAL TRIGONOMETRICAL RATIOS

Angle.	Sine.	Tan.	Sec.	Cosec.	Cotg.	Cosin.	Angle.	Sine.	Tan.	Sec.	Cosec.	Cotg.	Cosin.		
16	2756	2867	1.0403	3.628	3.487	.96126	74	4067	4452	1.0946	2.456	2.246	.91355	66	
10	2784	2899	1.0412	3.592	3.450	.96046	50	4094	4487	1.0961	2.443	2.229	.91236	50	
20	2812	2931	1.0423	3.556	3.412	.95964	40	4120	4522	1.0975	2.427	2.211	.91116	40	
30	2840	2962	1.0429	3.521	3.376	.95882	30	4147	4557	1.0989	2.411	2.194	.90996	30	
40	2868	2994	1.0438	3.487	3.340	.95799	20	4173	4592	1.1004	2.396	2.177	.90875	20	
50	2896	3026	1.0448	3.453	3.305	.95715	10	4200	4628	1.1019	2.381	2.161	.90753	10	
17	2924	3057	1.0457	3.420	3.271	.95630	73	4226	4663	1.1034	2.366	2.145	.90631	65	
10	2952	3089	1.0466	3.388	3.237	.95545	50	4253	4699	1.1049	2.351	2.128	.90507	50	
20	2979	3121	1.0476	3.357	3.204	.95459	40	4279	4734	1.1064	2.337	2.112	.90383	40	
30	3007	3153	1.0485	3.326	3.172	.95372	30	4305	4770	1.1079	2.323	2.097	.90259	30	
40	3035	3185	1.0495	3.295	3.140	.95284	20	4331	4806	1.1095	2.309	2.081	.90133	20	
50	3062	3217	1.0505	3.265	3.108	.95195	10	4358	4841	1.1110	2.295	2.066	.90007	10	
18	3090	3249	1.0515	3.236	3.078	.95106	72	4384	4877	1.1126	2.281	2.050	.89879	64	
10	3118	3281	1.0525	3.207	3.048	.95015	50	4410	4913	1.1142	2.267	2.035	.89752	50	
20	3145	3314	1.0535	3.179	3.018	.94924	40	4436	4950	1.1158	2.254	2.020	.89623	40	
30	3173	3346	1.0545	3.152	2.989	.94832	30	4462	4986	1.1174	2.241	2.006	.89493	30	
40	3201	3378	1.0555	3.124	2.960	.94740	20	4488	5022	1.1190	2.228	1.991	.89363	20	
50	3228	3411	1.0566	3.098	2.932	.94646	10	4514	5059	1.1207	2.215	1.977	.89232	10	
19	3256	3443	1.0576	3.072	2.904	.94552	71	4540	5095	1.1223	2.203	1.963	.89101	63	
10	3283	3476	1.0587	3.046	2.877	.94457	50	4566	5132	1.1240	2.190	1.949	.88968	50	
20	3311	3508	1.0598	3.020	2.850	.94361	40	4592	5169	1.1257	2.178	1.935	.88835	40	
30	3338	3541	1.0608	2.996	2.824	.94264	30	4617	5206	1.1274	2.166	1.921	.88701	30	
40	3365	3574	1.0619	2.971	2.798	.94167	20	4643	5243	1.1291	2.154	1.907	.88566	20	
50	3393	3607	1.0631	2.947	2.773	.94068	10	4669	5280	1.1308	2.142	1.894	.88431	10	
20	3420	3640	1.0642	2.924	2.747	.93969	70	4695	5317	1.1326	2.130	1.881	.88295	62	
10	3448	3673	1.0653	2.900	2.723	.93869	50	4720	5354	1.1343	2.119	1.868	.88158	50	
20	3475	3706	1.0665	2.878	2.699	.93769	40	4746	5392	1.1361	2.107	1.855	.88020	40	
30	3502	3739	1.0676	2.856	2.675	.93667	30	4772	5430	1.1379	2.096	1.842	.87882	30	
40	3529	3772	1.0688	2.833	2.651	.93565	20	4797	5467	1.1397	2.085	1.829	.87743	20	
50	3557	3805	1.0700	2.811	2.628	.93462	10	4823	5505	1.1415	2.073	1.816	.87603	10	
21	3584	3839	1.0711	2.790	2.605	.93358	69	4848	5543	1.1434	2.063	1.804	.87462	61	
10	3611	3872	1.0723	2.769	2.583	.93253	50	4874	5581	1.1452	2.052	1.792	.87321	50	
20	3638	3906	1.0736	2.749	2.560	.93148	40	4899	5619	1.1471	2.041	1.780	.87178	40	
30	3665	3939	1.0748	2.729	2.539	.93042	30	4924	5658	1.1490	2.030	1.767	.87036	30	
40	3692	3973	1.0760	2.709	2.517	.92935	20	4950	5696	1.1509	2.020	1.756	.86892	20	
50	3719	4006	1.0773	2.689	2.496	.92827	10	4975	5735	1.1528	2.010	1.744	.86748	10	
22	3746	4040	1.0785	2.670	2.475	.92718	68	30	5000	5774	1.1547	2.000	1.732	.86603	60
10	3773	4074	1.0798	2.650	2.455	.92609	50	10	5025	5812	1.1566	1.990	1.720	.86457	50
20	3800	4108	1.0811	2.632	2.434	.92499	40	20	5050	5851	1.1586	1.980	1.709	.86310	40
30	3827	4142	1.0824	2.613	2.414	.92388	30	30	5075	5890	1.1606	1.970	1.698	.86163	30
40	3854	4176	1.0837	2.595	2.394	.92276	20	40	5100	5930	1.1626	1.961	1.686	.86015	20
50	3881	4210	1.0850	2.577	2.375	.92164	10	50	5125	5969	1.1646	1.951	1.675	.85866	10
23	3907	4245	1.0864	2.559	2.356	.92050	67	31	5150	6009	1.1666	1.942	1.664	.85717	59
10	3934	4279	1.0877	2.542	2.337	.91936	50	10	5175	6048	1.1687	1.932	1.653	.85567	50
20	3961	4314	1.0891	2.525	2.318	.91822	40	20	5200	6088	1.1707	1.923	1.643	.85416	40
30	3987	4348	1.0904	2.508	2.300	.91706	30	30	5225	6128	1.1728	1.914	1.632	.85264	30
40	4014	4383	1.0918	2.491	2.282	.91590	20	40	5250	6168	1.1749	1.905	1.621	.85112	20
50	4041	4417	1.0932	2.475	2.264	.91472	10	50	5275	6208	1.1770	1.896	1.611	.84959	10
						.91355	66							.84805	58
						.91236	50							.84650	50
						.91116	40							.84495	40
						.90996	30							.84339	30
						.90875	20							.84182	20
						.90753	10							.84025	10
						.90631	65							.83867	57
						.90507	50							.83708	50
						.90383	40							.83549	40
						.90259	30							.83389	30
						.90133	20							.83228	20
						.90007	10							.83066	10
						.89879	64							.82904	56
						.89752	50							.82741	50
						.89623	40							.82577	40
						.89493	30							.82413	30
						.89363	20							.82248	20
						.89232	10							.82082	10
						.89101	63							.81915	55
						.88968	50							.81748	50
						.88835	40							.81580	40
						.88701	30							.81412	30
						.88566	20							.81242	20
						.88431	10							.81072	10
						.88295	62							.80902	54
						.88158	50							.80730	50
						.88020	40							.80558	40
						.87882	30							.80386	30
						.87743	20							.80212	20
						.87603	10							.80038	10
						.87462	61							.79864	53
						.87321	50							.79688	50
						.87178	40							.79512	40
						.87036	30							.79335	30
						.86892	20							.79158	20
						.86748	10							.78980	10
						.86603	60							.78801	52
						.86457	50							.78622	50
						.86310	40							.78442	40
						.86163	30							.78265	30
						.86015	20							.78088	20
						.85866	10							.77911	10
						.85717	59							.77734	59
						.85567	50							.77557	50
						.85416	40							.77380	40
						.85264	30							.77203	30
						.85112	20							.77026	20
						.84959	10							.76849	10
						.84805	58							.76672	58
						.84650	50							.76495	50
						.84495	40							.76318	40
						.84339	30							.76141	30
						.84182	20							.75964	20
						.84025	10							.75787	10
						.83867	57							.75610	57
						.83708	50							.75433	50
						.83549	40							.75256	40
						.83389	30							.75079	30
						.83228	20							.74902	20
						.83066	10		</						