

*Snow Survey*

*1919-20*

*Summit, West Walker, East Walker*

FIELD BOOK

46

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

*State Dept of Engineering  
Sacramento  
California*

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



### TABLE OF STADIA REDUCTIONS

For a Constant of 100.

ROD VERTICAL.

Sta.	1°		2°		3°		Sta.	4°		5°		6°	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.		Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
1	100.00	00	100.00	00	100.00	00	100.00	00	100.00	00	100.00	00	
2	99.98	01	99.97	02	99.95	03	99.93	04	99.91	05	99.89	06	
3	99.95	02	99.94	04	99.92	05	99.90	06	99.88	07	99.86	08	
4	99.91	03	99.90	06	99.88	07	99.86	08	99.84	09	99.82	10	
5	99.86	04	99.85	08	99.83	09	99.81	10	99.79	11	99.77	12	
6	99.81	05	99.80	10	99.78	11	99.76	12	99.74	13	99.72	14	
7	99.75	06	99.74	11	99.72	12	99.70	13	99.68	14	99.66	15	
8	99.69	07	99.68	12	99.66	13	99.64	14	99.62	15	99.60	16	
9	99.62	08	99.61	13	99.59	14	99.57	15	99.55	16	99.53	17	
10	99.55	09	99.54	14	99.52	15	99.50	16	99.48	17	99.46	18	
11	99.48	10	99.47	15	99.45	16	99.43	17	99.41	18	99.39	19	
12	99.40	11	99.39	16	99.37	17	99.35	18	99.33	19	99.31	20	
13	99.32	12	99.31	17	99.29	18	99.27	19	99.25	20	99.23	21	
14	99.24	13	99.23	18	99.21	19	99.19	20	99.17	21	99.15	22	
15	99.15	14	99.14	19	99.12	20	99.10	21	99.08	22	99.06	23	
16	99.07	15	99.06	20	99.04	21	99.02	22	99.00	23	98.98	24	
17	98.98	16	98.97	21	98.95	22	98.93	23	98.91	24	98.89	25	
18	98.89	17	98.88	22	98.86	23	98.84	24	98.82	25	98.80	26	
19	98.80	18	98.79	23	98.77	24	98.75	25	98.73	26	98.71	27	
20	98.71	19	98.70	24	98.68	25	98.66	26	98.64	27	98.62	28	
21	98.62	20	98.61	25	98.59	26	98.57	27	98.55	28	98.53	29	
22	98.53	21	98.52	26	98.50	27	98.48	28	98.46	29	98.44	30	
23	98.44	22	98.43	27	98.41	28	98.39	29	98.37	30	98.35	31	
24	98.35	23	98.34	28	98.32	29	98.30	30	98.28	31	98.26	32	
25	98.26	24	98.25	29	98.23	30	98.21	31	98.19	32	98.17	33	
26	98.17	25	98.16	30	98.14	31	98.12	32	98.10	33	98.08	34	
27	98.08	26	98.07	31	98.05	32	98.03	33	98.01	34	97.99	35	
28	97.99	27	97.98	32	97.96	33	97.94	34	97.92	35	97.90	36	
29	97.90	28	97.89	33	97.87	34	97.85	35	97.83	36	97.81	37	
30	97.81	29	97.80	34	97.78	35	97.76	36	97.74	37	97.72	38	
31	97.72	30	97.71	35	97.69	36	97.67	37	97.65	38	97.63	39	
32	97.63	31	97.62	36	97.60	37	97.58	38	97.56	39	97.54	40	
33	97.54	32	97.53	37	97.51	38	97.49	39	97.47	40	97.45	41	
34	97.45	33	97.44	38	97.42	39	97.40	40	97.38	41	97.36	42	
35	97.36	34	97.35	39	97.33	40	97.31	41	97.29	42	97.27	43	
36	97.27	35	97.26	40	97.24	41	97.22	42	97.20	43	97.18	44	
37	97.18	36	97.17	41	97.15	42	97.13	43	97.11	44	97.09	45	
38	97.09	37	97.08	42	97.06	43	97.04	44	97.02	45	97.00	46	
39	97.00	38	96.99	43	96.97	44	96.95	45	96.93	46	96.91	47	
40	96.91	39	96.90	44	96.88	45	96.86	46	96.84	47	96.82	48	
41	96.82	40	96.81	45	96.79	46	96.77	47	96.75	48	96.73	49	
42	96.73	41	96.72	46	96.70	47	96.68	48	96.66	49	96.64	50	
43	96.64	42	96.63	47	96.61	48	96.59	49	96.57	50	96.55	51	
44	96.55	43	96.54	48	96.52	49	96.50	50	96.48	51	96.46	52	
45	96.46	44	96.45	49	96.43	50	96.41	51	96.39	52	96.37	53	
46	96.37	45	96.36	50	96.34	51	96.32	52	96.30	53	96.28	54	
47	96.28	46	96.27	51	96.25	52	96.23	53	96.21	54	96.19	55	
48	96.19	47	96.18	52	96.16	53	96.14	54	96.12	55	96.10	56	
49	96.10	48	96.09	53	96.07	54	96.05	55	96.03	56	96.01	57	
50	96.01	49	96.00	54	95.98	55	95.96	56	95.94	57	95.92	58	
51	95.92	50	95.91	55	95.89	56	95.87	57	95.85	58	95.83	59	
52	95.83	51	95.82	56	95.80	57	95.78	58	95.76	59	95.74	60	
53	95.74	52	95.73	57	95.71	58	95.69	59	95.67	60	95.65	61	
54	95.65	53	95.64	58	95.62	59	95.60	60	95.58	61	95.56	62	
55	95.56	54	95.55	59	95.53	60	95.51	61	95.49	62	95.47	63	
56	95.47	55	95.46	60	95.44	61	95.42	62	95.40	63	95.38	64	
57	95.38	56	95.37	61	95.35	62	95.33	63	95.31	64	95.29	65	
58	95.29	57	95.28	62	95.26	63	95.24	64	95.22	65	95.20	66	
59	95.20	58	95.19	63	95.17	64	95.15	65	95.13	66	95.11	67	
60	95.11	59	95.10	64	95.08	65	95.06	66	95.04	67	95.02	68	
61	95.02	60	95.01	65	94.99	66	94.97	67	94.95	68	94.93	69	
62	94.93	61	94.92	66	94.90	67	94.88	68	94.86	69	94.84	70	
63	94.84	62	94.83	67	94.81	68	94.79	69	94.77	70	94.75	71	
64	94.75	63	94.74	68	94.72	69	94.70	70	94.68	71	94.66	72	
65	94.66	64	94.65	69	94.63	70	94.61	71	94.59	72	94.57	73	
66	94.57	65	94.56	70	94.54	71	94.52	72	94.50	73	94.48	74	
67	94.48	66	94.47	71	94.45	72	94.43	73	94.41	74	94.39	75	
68	94.39	67	94.38	72	94.36	73	94.34	74	94.32	75	94.30	76	
69	94.30	68	94.29	73	94.27	74	94.25	75	94.23	76	94.21	77	
70	94.21	69	94.20	74	94.18	75	94.16	76	94.14	77	94.12	78	
71	94.12	70	94.11	75	94.09	76	94.07	77	94.05	78	94.03	79	
72	94.03	71	94.02	76	94.00	77	93.98	78	93.96	79	93.94	80	
73	93.94	72	93.93	77	93.91	78	93.89	79	93.87	80	93.85	81	
74	93.85	73	93.84	78	93.82	79	93.80	80	93.78	81	93.76	82	
75	93.76	74	93.75	79	93.73	80	93.71	81	93.69	82	93.67	83	
76	93.67	75	93.66	80	93.64	81	93.62	82	93.60	83	93.58	84	
77	93.58	76	93.57	81	93.55	82	93.53	83	93.51	84	93.49	85	
78	93.49	77	93.48	82	93.46	83	93.44	84	93.42	85	93.40	86	
79	93.40	78	93.39	83	93.37	84	93.35	85	93.33	86	93.31	87	
80	93.31	79	93.30	84	93.28	85	93.26	86	93.24	87	93.22	88	
81	93.22	80	93.21	85	93.19	86	93.17	87	93.15	88	93.13	89	
82	93.13	81	93.12	86	93.10	87	93.08	88	93.06	89	93.04	90	
83	93.04	82	93.03	87	93.01	88	92.99	89	92.97	90	92.95	91	
84	92.95	83	92.94	88	92.92	89	92.90	90	92.88	91	92.86	92	
85	92.86	84	92.85	89	92.83	90	92.81	91	92.79	92	92.77	93	
86	92.77	85	92.76	90	92.74	91	92.72	92	92.70	93	92.68	94	
87	92.68	86	92.67	91	92.65	92	92.63	93	92.61	94	92.59	95	
88	92.59	87	92.58	92	92.56	93	92.54	94	92.52	95	92.50	96	
89	92.50	88	92.49	93	92.47	94	92.45	95	92.43	96	92.41	97	
90	92.41	89	92.40	94	92.38	95	92.36	96	92.34	97	92.32	98	
91	92.32	90	92.31	95	92.29	96	92.27	97	92.25	98	92.23	99	
92	92.23	91	92.22	96	92.20	97	92.18	98	92.16	99	92.14	100	
93	92.14	92	92.13	97	92.11	98	92.09	99	92.07	100	92.05	101	
94	92.05	93	92.04	98	92.02	99	92.00	100	91.98	101	91.96	102	
95	91.96	94	91.95	99	91.93	100	91.91	101	91.89	102	91.87	103	
96	91.87	95	91.86	100	91.84	101	91.82	102	91.80	103	91.78	104	
97	91.78	96	91.77	101	91.75	102	91.73	103	91.71	104	91.69	105	
98	91.69	97	91.68	102	91.66	103	91.64	104	91.62	105	91.60	106	
99	91.60	98	91.59	103	91.57	104	91.55	105	91.53	106	91.51	107	
100	91.51	99	91.50	104	91.48	105	91.46	106	91.44	107	91.42	108	

TABLE OF STADIA REDUCTIONS.—Continued.

Mils	1°		2°		3°		4°		5°	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0	98.06	13.76	97.25	15.45	96.98	17.19	96.36	18.73		
1	98.05	13.84	97.23	15.51	96.96	17.25	96.34	18.79		
2	98.04	13.91	97.21	15.56	96.94	17.31	96.32	18.84		
3	98.03	13.97	97.19	15.62	96.92	17.37	96.30	18.90		
4	98.02	14.04	97.17	15.67	96.90	17.43	96.28	18.96		
5	98.01	14.11	97.15	15.73	96.88	17.49	96.26	19.01		
6	98.00	14.18	97.13	15.78	96.86	17.55	96.24	19.07		
7	97.99	14.25	97.11	15.84	96.84	17.61	96.22	19.13		
8	97.98	14.32	97.09	15.89	96.82	17.67	96.20	19.18		
9	97.97	14.39	97.07	15.95	96.80	17.73	96.18	19.24		
10	97.96	14.46	97.05	16.01	96.78	17.79	96.16	19.30		
11	97.95	14.53	97.03	16.06	96.76	17.85	96.14	19.35		
12	97.94	14.60	97.01	16.12	96.74	17.91	96.12	19.41		
13	97.93	14.67	96.99	16.18	96.72	17.97	96.10	19.46		
14	97.92	14.74	96.97	16.23	96.70	18.03	96.08	19.52		
15	97.91	14.81	96.95	16.29	96.68	18.09	96.06	19.58		
16	97.90	14.88	96.93	16.35	96.66	18.15	96.04	19.63		
17	97.89	14.95	96.91	16.40	96.64	18.21	96.02	19.69		
18	97.88	15.02	96.89	16.46	96.62	18.27	96.00	19.75		
19	97.87	15.09	96.87	16.52	96.60	18.33	95.98	19.80		
20	97.86	15.16	96.85	16.57	96.58	18.39	95.96	19.86		
21	97.85	15.23	96.83	16.63	96.56	18.45	95.94	19.92		
22	97.84	15.30	96.81	16.69	96.54	18.51	95.92	19.97		
23	97.83	15.37	96.79	16.74	96.52	18.57	95.90	20.03		
24	97.82	15.44	96.77	16.80	96.50	18.63	95.88	20.09		
25	97.81	15.51	96.75	16.86	96.48	18.69	95.86	20.14		
26	97.80	15.58	96.73	16.91	96.46	18.75	95.84	20.20		
27	97.79	15.65	96.71	16.97	96.44	18.81	95.82	20.26		
28	97.78	15.72	96.69	17.03	96.42	18.87	95.80	20.31		
29	97.77	15.79	96.67	17.08	96.40	18.93	95.78	20.37		
30	97.76	15.86	96.65	17.14	96.38	18.99	95.76	20.43		
31	97.75	15.93	96.63	17.20	96.36	19.05	95.74	20.48		
32	97.74	16.00	96.61	17.25	96.34	19.11	95.72	20.54		
33	97.73	16.07	96.59	17.31	96.32	19.17	95.70	20.60		
34	97.72	16.14	96.57	17.36	96.30	19.23	95.68	20.65		
35	97.71	16.21	96.55	17.42	96.28	19.29	95.66	20.71		
36	97.70	16.28	96.53	17.48	96.26	19.35	95.64	20.76		
37	97.69	16.35	96.51	17.53	96.24	19.41	95.62	20.82		
38	97.68	16.42	96.49	17.59	96.22	19.47	95.60	20.88		
39	97.67	16.49	96.47	17.64	96.20	19.53	95.58	20.93		
40	97.66	16.56	96.45	17.70	96.18	19.59	95.56	20.99		
41	97.65	16.63	96.43	17.75	96.16	19.65	95.54	21.05		
42	97.64	16.70	96.41	17.81	96.14	19.71	95.52	21.10		
43	97.63	16.77	96.39	17.86	96.12	19.77	95.50	21.16		
44	97.62	16.84	96.37	17.92	96.10	19.83	95.48	21.22		
45	97.61	16.91	96.35	17.97	96.08	19.89	95.46	21.27		
46	97.60	16.98	96.33	18.03	96.06	19.95	95.44	21.33		
47	97.59	17.05	96.31	18.08	96.04	20.01	95.42	21.39		
48	97.58	17.12	96.29	18.14	96.02	20.07	95.40	21.44		
49	97.57	17.19	96.27	18.19	96.00	20.13	95.38	21.50		
50	97.56	17.26	96.25	18.25	95.98	20.19	95.36	21.56		
51	97.55	17.33	96.23	18.30	95.96	20.25	95.34	21.61		
52	97.54	17.40	96.21	18.36	95.94	20.31	95.32	21.67		
53	97.53	17.47	96.19	18.41	95.92	20.37	95.30	21.73		
54	97.52	17.54	96.17	18.47	95.90	20.43	95.28	21.78		
55	97.51	17.61	96.15	18.52	95.88	20.49	95.26	21.84		
56	97.50	17.68	96.13	18.58	95.86	20.55	95.24	21.90		
57	97.49	17.75	96.11	18.63	95.84	20.61	95.22	21.95		
58	97.48	17.82	96.09	18.69	95.82	20.67	95.20	22.01		
59	97.47	17.89	96.07	18.74	95.80	20.73	95.18	22.07		
60	97.46	17.96	96.05	18.80	95.78	20.79	95.16	22.12		
61	97.45	18.03	96.03	18.85	95.76	20.85	95.14	22.18		
62	97.44	18.10	96.01	18.91	95.74	20.91	95.12	22.24		
63	97.43	18.17	95.99	18.96	95.72	20.97	95.10	22.29		
64	97.42	18.24	95.97	19.02	95.70	21.03	95.08	22.35		
65	97.41	18.31	95.95	19.07	95.68	21.09	95.06	22.41		
66	97.40	18.38	95.93	19.13	95.66	21.15	95.04	22.46		
67	97.39	18.45	95.91	19.18	95.64	21.21	95.02	22.52		
68	97.38	18.52	95.89	19.24	95.62	21.27	95.00	22.58		
69	97.37	18.59	95.87	19.29	95.60	21.33	94.98	22.63		
70	97.36	18.66	95.85	19.35	95.58	21.39	94.96	22.69		
71	97.35	18.73	95.83	19.40	95.56	21.45	94.94	22.75		
72	97.34	18.80	95.81	19.46	95.54	21.51	94.92	22.80		
73	97.33	18.87	95.79	19.51	95.52	21.57	94.90	22.86		
74	97.32	18.94	95.77	19.57	95.50	21.63	94.88	22.92		
75	97.31	19.01	95.75	19.62	95.48	21.69	94.86	22.97		
76	97.30	19.08	95.73	19.68	95.46	21.75	94.84	23.03		
77	97.29	19.15	95.71	19.73	95.44	21.81	94.82	23.09		
78	97.28	19.22	95.69	19.79	95.42	21.87	94.80	23.14		
79	97.27	19.29	95.67	19.84	95.40	21.93	94.78	23.20		
80	97.26	19.36	95.65	19.90	95.38	21.99	94.76	23.26		
81	97.25	19.43	95.63	19.95	95.36	22.05	94.74	23.31		
82	97.24	19.50	95.61	20.01	95.34	22.11	94.72	23.37		
83	97.23	19.57	95.59	20.06	95.32	22.17	94.70	23.43		
84	97.22	19.64	95.57	20.12	95.30	22.23	94.68	23.48		
85	97.21	19.71	95.55	20.17	95.28	22.29	94.66	23.54		
86	97.20	19.78	95.53	20.23	95.26	22.35	94.64	23.60		
87	97.19	19.85	95.51	20.28	95.24	22.41	94.62	23.65		
88	97.18	19.92	95.49	20.34	95.22	22.47	94.60	23.71		
89	97.17	19.99	95.47	20.39	95.20	22.53	94.58	23.77		
90	97.16	20.06	95.45	20.45	95.18	22.59	94.56	23.82		
91	97.15	20.13	95.43	20.50	95.16	22.65	94.54	23.88		
92	97.14	20.20	95.41	20.56	95.14	22.71	94.52	23.94		
93	97.13	20.27	95.39	20.61	95.12	22.77	94.50	24.00		
94	97.12	20.34	95.37	20.67	95.10	22.83	94.48	24.05		
95	97.11	20.41	95.35	20.72	95.08	22.89	94.46	24.11		
96	97.10	20.48	95.33	20.78	95.06	22.95	94.44	24.17		
97	97.09	20.55	95.31	20.83	95.04	23.01	94.42	24.22		
98	97.08	20.62	95.29	20.89	95.02	23.07	94.40	24.28		
99	97.07	20.69	95.27	20.94	95.00	23.13	94.38	24.34		
100	97.06	20.76	95.25	21.00	94.98	23.19	94.36	24.39		
101	97.05	20.83	95.23	21.05	94.96	23.25	94.34	24.45		
102	97.04	20.90	95.21	21.11	94.94	23.31	94.32	24.51		
103	97.03	20.97	95.19	21.16	94.92	23.37	94.30	24.56		
104	97.02	21.04	95.17	21.22	94.90	23.43	94.28	24.62		
105	97.01	21.11	95.15	21.27	94.88	23.49	94.26	24.68		
106	97.00	21.18	95.13	21.33	94.86	23.55	94.24	24.74		
107	96.99	21.25	95.11	21.38	94.84	23.61	94.22	24.79		
108	96.98	21.32	95.09	21.44	94.82	23.67	94.20	24.85		
109	96.97	21.39	95.07	21.49	94.80	23.73	94.18	24.91		
110	96.96	21.46	95.05	21.55	94.78	23.79	94.16	24.97		
111	96.95	21.53	95.03	21.60	94.76	23.85	94.14	25.02		
112	96.94	21.60	95.01	21.66	94.74	23.91	94.12	25.08		
113	96.93	21.67	94.99	21.71	94.72	23.97	94.10	25.14		
114	96.92	21.74	94.97	21.77	94.70	24.03	94.08	25.20		
115	96.91	21.81	94.95	21.82	94.68	24.09	94.06	25.25		
116	96.90	21.88	94.93	21.88	94.66	24.15	94.04	25.31		
117	96.89	21.95	94.91	21.93	94.64	24.21	94.02	25.37		
118	96.88	22.02	94.89	21.99	94.62	24.27	94.00	25.42		
119	96.87	22.09	94.87	22.04	94.60	24.33	93.98	25.48		
120	96.86	22.16	94.85	22.10	94.58	24.39	93.96	25.54		
121										

TABLE OF STADIA REDUCTIONS.—Continued.

Mils.	24"		32"		36"		37"	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0	83.66	37.36	89.14	36.30	89.78	35.49	79.30	40.45
1	83.61	37.29	89.09	36.24	89.74	35.44	79.24	40.49
2	83.57	37.23	89.04	36.19	89.69	35.41	79.19	40.52
3	83.53	37.17	89.00	36.14	89.65	35.37	79.15	40.55
4	83.50	37.11	88.95	36.10	89.61	35.34	79.11	40.58
5	83.47	37.05	88.91	36.05	89.57	35.31	79.07	40.61
6	83.43	37.00	88.87	36.01	89.53	35.27	79.03	40.64
7	83.40	36.94	88.83	35.97	89.49	35.24	78.99	40.67
8	83.37	36.89	88.79	35.93	89.45	35.21	78.95	40.70
9	83.34	36.83	88.75	35.89	89.41	35.18	78.91	40.73
10	83.31	36.78	88.71	35.85	89.37	35.15	78.87	40.76
11	83.28	36.72	88.67	35.81	89.33	35.12	78.83	40.79
12	83.25	36.67	88.63	35.77	89.29	35.09	78.79	40.82
13	83.22	36.61	88.59	35.73	89.25	35.06	78.75	40.85
14	83.19	36.56	88.55	35.69	89.21	35.03	78.71	40.88
15	83.16	36.50	88.51	35.65	89.17	35.00	78.67	40.91
16	83.13	36.45	88.47	35.61	89.13	34.97	78.63	40.94
17	83.10	36.40	88.43	35.57	89.09	34.94	78.59	40.97
18	83.07	36.34	88.39	35.53	89.05	34.91	78.55	41.00
19	83.04	36.29	88.35	35.49	89.01	34.88	78.51	41.03
20	83.01	36.23	88.31	35.45	88.97	34.85	78.47	41.06
21	82.98	36.18	88.27	35.41	88.93	34.82	78.43	41.09
22	82.95	36.13	88.23	35.37	88.89	34.79	78.39	41.12
23	82.92	36.07	88.19	35.33	88.85	34.76	78.35	41.15
24	82.89	36.02	88.15	35.29	88.81	34.73	78.31	41.18
25	82.86	35.96	88.11	35.25	88.77	34.70	78.27	41.21
26	82.83	35.91	88.07	35.21	88.73	34.67	78.23	41.24
27	82.80	35.86	88.03	35.17	88.69	34.64	78.19	41.27
28	82.77	35.80	87.99	35.13	88.65	34.61	78.15	41.30
29	82.74	35.75	87.95	35.09	88.61	34.58	78.11	41.33
30	82.71	35.70	87.91	35.05	88.57	34.55	78.07	41.36
31	82.68	35.64	87.87	35.01	88.53	34.52	78.03	41.39
32	82.65	35.59	87.83	34.97	88.49	34.49	77.99	41.42
33	82.62	35.54	87.79	34.93	88.45	34.46	77.95	41.45
34	82.59	35.48	87.75	34.89	88.41	34.43	77.91	41.48
35	82.56	35.43	87.71	34.85	88.37	34.40	77.87	41.51
36	82.53	35.38	87.67	34.81	88.33	34.37	77.83	41.54
37	82.50	35.32	87.63	34.77	88.29	34.34	77.79	41.57
38	82.47	35.27	87.59	34.73	88.25	34.31	77.75	41.60
39	82.44	35.22	87.55	34.69	88.21	34.28	77.71	41.63
40	82.41	35.17	87.51	34.65	88.17	34.25	77.67	41.66
41	82.38	35.11	87.47	34.61	88.13	34.22	77.63	41.69
42	82.35	35.06	87.43	34.57	88.09	34.19	77.59	41.72
43	82.32	35.01	87.39	34.53	88.05	34.16	77.55	41.75
44	82.29	34.95	87.35	34.49	88.01	34.13	77.51	41.78
45	82.26	34.90	87.31	34.45	87.97	34.10	77.47	41.81
46	82.23	34.85	87.27	34.41	87.93	34.07	77.43	41.84
47	82.20	34.80	87.23	34.37	87.89	34.04	77.39	41.87
48	82.17	34.74	87.19	34.33	87.85	34.01	77.35	41.90
49	82.14	34.69	87.15	34.29	87.81	33.98	77.31	41.93
50	82.11	34.64	87.11	34.25	87.77	33.95	77.27	41.96
51	82.08	34.58	87.07	34.21	87.73	33.92	77.23	41.99
52	82.05	34.53	87.03	34.17	87.69	33.89	77.19	42.02
53	82.02	34.48	86.99	34.13	87.65	33.86	77.15	42.05
54	81.99	34.43	86.95	34.09	87.61	33.83	77.11	42.08
55	81.96	34.37	86.91	34.05	87.57	33.80	77.07	42.11
56	81.93	34.32	86.87	34.01	87.53	33.77	77.03	42.14
57	81.90	34.27	86.83	33.97	87.49	33.74	76.99	42.17
58	81.87	34.21	86.79	33.93	87.45	33.71	76.95	42.20
59	81.84	34.16	86.75	33.89	87.41	33.68	76.91	42.23
60	81.81	34.11	86.71	33.85	87.37	33.65	76.87	42.26
c= 75	68	31	68	32	67	30	65	30
c= 1.15	1.06	48	1.04	50	1.03	51	1.02	52
c= 1.90	1.73	79	1.72	82	1.70	85	1.69	88

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INDEX

1919

Summit Station Red #4 Saw Mill Flat Furness Flat Mill Bay Flat Wood Creek Ruben Peak Station #2	Station #3 Station #4 Station #5 Station #6 Station #1 Station #3	1 4 5 7 9 10 13
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## Summit Station

Specs Depth Cor <sup>Water</sup> Content

Course #1				%
1	58	193	28.3	57.3
76-7	53.5	50.7	28.6	57.0
2	53.5	47	28.5	60.7
76-7	53.4	49	28.6	58.4
3	48.4	42.4	23.4	53.7
	<u>57.4</u>			
4	57.4	57.0	28.4	56.0
	<u>51.0</u>			
	<u>51.4</u>			
5	52.8	45.5	24.1	53.0
	<u>58.5</u>			
6	45.3	45.0	24.2	53.9
76-7	47.6	45.500	24.1	53.0
7	49.5	48.2	24.5	51.4
	<u>51.7</u>			
8	51.5	50.5	24.0	48.5
	<u>47.5</u>			
9	54.3	51.0	25.6	50.7
	<u>51.5</u>			
	<u>50.5</u>			
10	51.8	51.67	28.07	54.2
76-7	52.3	50.8	27.205	54.1
	<u>51.3</u>			

\* 1

Sunday April 27, 1912  
 F. E. Church, Jr.  
 A. J. Bawley  
 Harry Armstrong  
 Ed Panning

Course #2

1	57	47	23.1	(49.2)
2	69.8	68.7	32.5	48.3
	-0.1	-0.1		
	69.6			
2	62.8	61.5	30.2	49.1
3	69.2	65.1	33.3	51.3
4	63.0	62.6	29.7	48.2
		-0.4		
5	68.3	67.4	33.0	49.0
6	56	55.3	26.7	48.8
		-0.7		
7	68.8	65.5	29.8	46.0
	-0.3	-0.3		
7	70.0	66.0	34.1	52.1
	-0.5	-0.5		
8	64.8	63.0	30.8	49.9
	-0.5			
9	77.5	74.5	108.5	47.4
	-1.0		-2.0	
			35.3	
10	76.0	73.0	33.4	45.7
	-1.0			
10	64.5	63.5	26.2	41.8
	-0.5	-0.5		

bottom not reached

11	705 -07	707 -07	325	472
12	-	-	-	-
Rec'd	662 -05	620 -05	318	517
13	490 15	462 15	215	479
14	710	625 7000	300	551
Rec'd	723	610	349	572
15	-	-	-	-
Rec'd	575 -10	560	277	495
16	663	635	314	495
17	-	-	-	-
Rec'd	690 -17	685 -17	340	509
19	740 -15	710	360	508
20	723 -10	722	354	490
21	680 -10	648	319	492
22	575 -15	565	275	489

50 mb.

Note: all values referred to 10° from  
as follows.



April 29 1919  
Ed Roening  
Beakley  
Armstrong

Station #	Red Mt	Barometer	Height	Barometer
1	93 -0.5	91.3 -0.5	158	50.5
2	97.0 -1.5	94	100	47.6
3	75.0 -1.4	78.5	374	50.5
4	73.0 1.5	70	373	63.3
5	72.5 -0.7	71	368	51.9
6	72.0	67	36	53.7
7	78.0 -0.2	76.5	415	54.3
8	74	71.4	38.5	54.0
9	76.5	74.4	42	56.2
10	52.3	52	44	53.8
11	67.5 -0.8	64.3 -0.4	36.7	57.8
12	75.0	73.5	41	55.8
13	75	73	40	55.5
14	67.5	66.5	34.2	51.4
15	53.5	51.5	27	52.5

+ Station #2 Sand Mill Flot

April 29, 1919

Course #2	Surf Depth	Core	Water Content	
1	79	78	43.1	55.2
2	84 <u>-1.0</u>	83.0	45.0	54.9
3	88.0 <u>-1.0</u>	86.0	51.0	59.7
4	83.5	81.0	46.5	57.8
5	77.8	80.5 <u>-2.0</u>	46.8	58.6
6	74.5 <u>-1.0</u>	79.5 <u>-7.0</u> 72.5	39.5	54.5



Course #1

1	72.0 -0.5	67.2	38.3	57.0
2	72.5 -1.0	78.3 7.0	42.0	58.9
3	78.5 -1.0	77.5 -6	43.6	61.4
4	81.0 -0.5	80 -0.5	41.9	52.8
5	86.5 -0.5	81.5	49.5	60.0
6	80.5	79.5	45.9	57.0
7	83.0 -0.5	81.5 -0.5	46.0	56.9
8	84	81	48.5	59.2
9	75	73	45.3	59.4
10	81.5	74	47.0	64.4!
Rec'd	81.0 -2.0	79.3 7.0	47.2	61.0
11	85	85	48.6	57.2
12	86.5	85.4	51.6	60.6
13	108.5 -1	106.0 -1.0	59.2	55.5

## Station #5 Furnace Flat

4/25/19?

## Course #2

1	92.5 -0.5	91	46.0	50.6
2	94 -0.6	92.0 -0.6	41.9	45.9
3	74.5	71.6	37.5	52.3
4	79.5	78.6	39.5	50.3
5	87 -0.5	86.5	45.1	52.5
6	79.5	76	41.3	55.7
7	78.5	73	42.9	58.8
7c	78	74.1	42.1	57.2
8	80	77	43.1	56.9
9	80	79	46	53.3
10	78	77	40	52.0
11	75	73	38.2	52.6
12	73	71.5	38	53.2

## Course #1

50' apart

1	72.5	68.4	35.1	51.0
2	76.5 -0.5	72.1	39.1	52.2

3	74.5 -1.5	78	40.9	56.0
4	81.5 -1	79.5	41.4	52.2
5	80 -7.5	75.6	41.3	54.1
6	77.5	76.5	40.7	53.3
7	78.5	77	41.0	53.3
6	74	77	38.1	53.0
9	67.5	67	33.9	50.6

Station #6 Mail Box Flat  
Fondy Co. Neb.

April 30, 1919

9

4000 5'-2"

1	65.5	65.0	31.5	50.2
	-1.5	-1.0		
2	66.3	64.5	31.8	49.5
3	49.5	64.5	22.0	49.5
3'	57.0	50.5	29.0	57.5
Ref	60.0	55.0	32.7	59.5
4	65.0	67.0	32.3	48.3

$$\frac{\text{495.5}}{5} = 99.1$$
  
$$\frac{301.6}{5} = 60.32$$
  
61.4

28' from staff same radial line.  
30' " " " " "  
No. 1, core penetrated lower half.

8 63'  
0.3

□ staff

0.1

4.9

Station #1 Word Creek

News Depth Core Water Contact

Course #1 West Series

1	53.5	46	22.5	(53.3)
H.M.	78.5	69.5	35.0 <sup>00</sup>	52.8
	<u>70.0</u>	<u>67.00</u>		
2	77.5	73.5	33.8	46.0
3	77.5	77.5	37.5	48.4
4	79.5	75.5	37.5	54.0
	<u>73.0</u>	<u>69.0</u>		
5	75.5	71.5	37.3	52.2
6	74.5			
	<u>72.5</u>	67.0	36.7	52.4
7	76.5			
	<u>75.0</u>	72.5	38.8	53.5

South Series

1	66	64.5		
	<u>65.0</u>	<u>63.5</u>	36.0	56.8
2	57	54.5	26.5	48.7

Party: - East Watson Sr  
A. J. Beakley,  
Harry A. Armstrong.

May 4<sup>th</sup> 1919.

Date: - May 4, 1919.  
Elev - 7275 (bar.)

All holes of April 29 found  
and followed.

windy!

East Series.

1	63	-62.5		
	<u>-62.0</u>	<u>-61.5</u>	29.5	47.9
2	64			
	<u>-62.0</u>	58.5	27.5	47.0

North Series:

1	68.0			
	<u>7.5</u>	62.5	33.0	52.8
2	72.0	70.5	<u>33.5</u>	47.9
			14) 467.1	(Avg. 33.4

Course #2

1	46.5	46.0	22.0	47.9
2	54.5			
	<u>32.3</u>	51.0	24.0	47.0
3	52.0	51.0		
	<u>7.5</u>	<u>43.5</u>	24.0	48.5
4	49.0			
	<u>7.5</u>	46.0	22.0	45.5
5				
Re-A.	50.0			
	<u>7.2</u>	48.0	23.0	47.9

6 53. 52 24.0 46.2

7

7-4. 57.  
-4.  
53. 53  $\frac{25.5}{25.}$  47.2

8 56.  
-3.  
53. 54 25.5 47.2

9 50.5 50. 26.5 53.0

10 31.0 28.  
-3.  
28. 28.5 10.5 42.0

11 36.0 35.  
-2.  
34. 33. 16.0 48.5

12 48.5 47.  
-2.  
46.5 45. 22.5 50.0

13 50.5 47.  $\frac{23.0}{23.}$  49.0

$\sum 13) 288.3$  (Avg. 22.2



Station #2 Rubicon Peak.

Course #2

1	$\frac{25.0}{-1.5}$ 23.5	$\frac{27.0}{-1.5}$ 25.5	10.8	44.0
2	$\frac{33.0}{-1.5}$ 31.5	$\frac{53.0}{-1.5}$ 51.5	13.8	44.5
3	$\frac{27.0}{-1.5}$ 25.5	$\frac{26.0}{-1.5}$ 24.5	11.2	45.8
4	$\frac{24.0}{-1.0}$ 23.0	$\frac{23.0}{-1.0}$ 22.0	9.6	43.6
5	$\frac{35.5}{-1.0}$ 36.0	35.5	15.8	44.5
6	$\frac{17.0}{-1.5}$ 15.5	$\frac{17.0}{-1.5}$ 15.5	7.8	50.3
7	42.0	39.5	12.0	48.1
			7) 88.0	
			Avg. 12.6	

May 6, 1913 AM

Party: Murray Smith  
A.J. Beahm  
Harry A. Armstrong.

- = 50' N. of S. pins
- = 25' beyond #1
- (40' fir at 100' N. of S. pins) Barometer corrected = 7340'
- = 110' N. of S. pins
- = 150' N. of S. pins
- = 50' from previous ones

Distances paced.

" " " " and 15' from 42' fir (or  
beach) with stub at base.  
Ground bare beneath all trees.  
At distance 125' is a 48' blazed fir  
with broken off top.  
All blazes on this course are very faint



Nov 6. 1919 A.M. 14

1	45°	42.0	20.5	48.9
2	35°	33.5		
	$\frac{10.0}{34.0}$	$\frac{11.0}{32.5}$	13.8	42.5
3	32.5			
	$\frac{4.0}{37.5}$	37.5	16.5	41.3
4	29.5			
	$\frac{4.0}{28.5}$	28.0	17.5	44.5

5.

Re-M	15.0	14.5		
	$\frac{1.7}{13.3}$	$\frac{1.7}{12.8}$	5.7	44.5

6	21.0			
	$\frac{0.5}{20.5}$	18.0	8.2	45.6

7	49.0	41.0	18.2	7
---	------	------	------	---

Re-M	50.0			
	$\frac{1.2}{48.8}$	48.5	21.0	43.3

8	42.5			
	$\frac{3.0}{41.5}$	41.5	18.6	44.8

9) 134.2  
14.9 Average

The course in the one laid out by Arthur Smith, is approx 1000' West of the from Course #4, and approx 125' W. of double granite wall. S. from 45° triple blazed fir to 15° fir in a clump of 3, and sugar pine by it and N.E. thereof.

Barometer corrected = 7,500'

Distances every 25' beginning 25' S. of N. fir. Distances measured with samples

5-10 S. of large fir blazed on S side of blaze marked "H. M. Farrow, April 19, 1917"

12' N. of S blazed tree

(Note: Had no description of this course. A.G.G.)

Station #2 Rubicon Peak.

May 6 1919 Mon

Course #1.

1	96.5	94.2	41.3	43.9
2	102.0	101.0	45.2	44.7
3	110.0	108.0	51.2	47.4
4	77.0	69.0	34.8	50.5
Re-M	76.0	71.0	34.0	47.9
5	40.5	36.0	18.9	52.3
6	85.0	75.0		
	$\frac{-1.0}{87.0}$	$\frac{-1.0}{74.0}$	34.0	46.0
7				
Re-M	87.5	82.5		
	$\frac{-2.0}{85.0}$	$\frac{-2.0}{80.5}$	37.5	44.1
8	87.0			
	$\frac{-1.5}{85.5}$	83.5	39.5	47.3
9	35.3	33.5		
	$\frac{-2.0}{33.3}$	$\frac{-2.0}{31.5}$	15.0	47.7
10	77.2	77.2	35.2	45.6
11	96.7	96.5	39.8	41.3
Re-M	93.0	93.0	39.0	41.9
12	85.0	80.0	39.5	48.1
13	66.5	65.2	29.2	44.8
14	44.0			
	$\frac{-1.5}{42.5}$	42.5	18.5	43.5

301. - 8.130'

All holes found and followed

(Samples taken vertically -  
not perpendicular to surface)

In thick cluster of trees

15	74.0	66.5	33.8	50.9
Re-M	67.8	65.8	31.0	47.1
16	86.5	86.0	35.0	40.7
17	54.5	54.0	23.8	43.7
18	81.5	81.5		
	$\frac{-0.5}{50.0}$	$\frac{-0.5}{81.0}$	35.0	43.2
19	55.0	51.0	24.8	48.6
20	92.0	91.5	41.0	44.9
21	95.0	94.5		
	$\frac{-0.5}{94.5}$	$\frac{-0.5}{94.0}$	41.0	43.6
22	117.0	117.0		
	$\frac{-0.5}{116.5}$	$\frac{-0.5}{116.5}$	48.8	41.9
23	63.0	57.5		
	$\frac{-0.5}{62.5}$	$\frac{-0.5}{57.0}$	26.0	45.6
24	61.0	56.5	27.5	48.7
25	113.0			
	$\frac{-0.5}{112.5}$	109.0	50.0	46.2
26	105.5			
Re-M	$\frac{-0.5}{101.5}$	96.0	48.0	50.0
	$\frac{-0.5}{101.0}$	$\frac{-0.5}{101.0}$	43.5	43.0
27	74.0	70.0		
	$\frac{-0.5}{74.0}$	$\frac{-0.5}{69.5}$	30.0	43.2
28	118.0	118.0	50.0	42.2
	$\frac{-0.5}{117.5}$			

29				
<del>29</del>	<u>79.5</u>			
	78.5	78.3	33.5	42.8
30	67.0	66.0	32.0	48.5
31	<u>68.0</u>	<u>63.0</u>		
	-0.5	-0.5		
	67.5	62.5	31.0	49.6
32	<u>113.5</u>	<u>113.5</u>		
	-0.2	-0.2		
	113.3	113.3	52.5	46.3

36 | 1290.2 (35.8 Average)  
108  
 210  
180  
 302  
288  
 14

2 RM

June 12<sup>th</sup> 1919

Snow Survey at Lake Lucille  
A. J. Beckey  
A. M. Nash

Location Pyramid Peak U.S.G.S. Sheet  
38°52' N. 120°07' W.  
Established April 22<sup>nd</sup> 1913

One day from Glen Alpine Springs or  
Fallen Leaf Lodge, trail from Glen  
Alpine Springs, preferable the Horse Trail

Course 1 on West & South Side of Lake Lucille  
Elevation 800 ft in semi thick forest  
of Mountain Hemlock  
From Triple Blazed Fir West of Lake Lucille  
South East between blazed trees to  
triple blazed fir near crest of divide  
between Lake Lucille & Lake of the Woods  
measurements every 50 ft beginning  
50' from triple blazed fir  
Total Measurements 37

Sta	Total Depth	Core	Water Content %	Remarks
	12ft	42	21	
①	50			Bare
②	100			Bare
	125	46	23	
③	150	23	10	
④	200			Bare
⑤	250	26	12	old hole
⑥	300			Bare
⑦	350			Bare
⑧	400			Bare
⑨	450	26	11	
⑩	500	28	12 1/2	old hole
⑪	550			Bare
⑫	600			"
⑬	650			"
⑭	700			"
⑮	750			"
⑯	800	33	16	
⑰	850	54	26	old hole
⑱	900	19	9	" "
⑲	950			Bare
⑳	1000	44	21	
㉑	1050	53	25	old hole
㉒	1100	50	25	" "
㉓	1150	39	20	

Std	Total Depth	Core	Water Content	%	Remarks
(24)	1200	34	34	18	
(25)	1250	40	38	19½	old hole
(26)	1300				Base
(27)	1350				"
(28)	1400	20	20	10	
(29)	1450	27	27	14	
(30)	1500	44	43	22	old hole
(31)	1550	17	17	9	
(32)	1600				Base
(33)	1650	21	21	10½	old hole

IV Yuba Basin

Station #3 Red Mountain

Course 1.

Meas	Depth	Corc	Water Content
1	101	99	37.7
10	101	99	39.2
2	104.5	103.3	40.8
3	98.0	94.5	39.6
4	92	85.5	36.0
10	94.5		
12	92.5	90	37.8
5	94	91	36.0
6	100	98	39.1
7	98.5 -1.5	97.0 -1.5	36.8
8	97 -1	86	34.8.0

Sat. April 3, 1920

J. E. Church Jr  
Ed. Posing  
J. B. Brown  
Wm. G. Conner



Meas	Depth	Core	Water Content
re	96.5	91.5	343.0 38.2
9'	95.5 -2.3	91.8 -2.3	37.2
10	89.5 -1.5	87.0 -1.5	31.2
11	95.0 -0.3	93.0 -0.3	38.2
12	98.0 -1.1	96.0 -1.1	39.2
13	86.5 -2.1	86.0 -2.0	35.2
14	65.0 -3.5	63.5 -1.0	21.0

14) 517.9

37.0 Av. - 98.3% of 1978



Station 5  
Course 1.

Furness Flat  
50' apart

Meas.	Depth	Core	Water Contact
1	90'	84	37'
2	94	80	42.3
10.19	94	83	41'
3	$\frac{93}{-1.5}$	$\frac{84}{-1.5}$	36'
4	$\frac{97.5}{-2.5}$	$\frac{87}{-3}$	41'
5	93	84.5	40.4
6	96.5	88	41.8
7	95	78	40.8
8	$\frac{106}{-3}$	$\frac{94}{-3}$	42.7
9	90	82	$\frac{36.5}{}$

913587  
37.86

7

4/4/20

Furness Flat

Course #2

1	92	86	37.5
2	89.5	79.5	36.4
3	100	92	40.0
4	93.5	85	39.3
5	92 -0.5	84.5 -0.5	38.0
6	94.5	87.5	40.8
12-M.			
7	99.5	95.0	42.4
8	95.5		
16-M.	96.0	85.5	41.7
9	97.5 -2.0	90.0 -2.0	40.8
10	94.5		
12-M.	99.0		
"	93.0		
"	94.0		
	91.5	37.0	
	10) 374.30	39.43	

Avg. of 1 and 2, 39.65 in. = 102.7% 1917-18

Station #4 Sand Mill Flat  
Course #1

Easter Sunday

April 4, 1920

F. J. Rosen  
Harvey L. Armstrong

Mass Depth Core Water

1	64 -7.0	59.5 -7.0	29.1
2	82.0 -7.0	79.0 -7.0	36.0
3	84	82.0 -7.0	35.8
4	88 -7.0	79.0	37.1
5	93.5	80.5	39.6
10.4	90.0	83.5	39.6
6	91.5	77	40.1
7	91	82.5	37.0
8	96.5	89.5	39.5
9	<del>82.5</del> 83.5	77.5	37.0
		<del>77.6</del>	36.3

10	88 -2	83 -2	37.0
11	90.5 -1.5	85.5 -1.5	39.2
12	116.5 -1.5	102 -1.5	<u>52.5</u>
			12 1459.70 (38.31)

Deep drift beyond Hole # 12

Course #2

Sand Mill Flat

1	100. -0.5	92.5 0.5	43.0
2	110.5	107.5	42.9
3	105	87	41.8
4	92.5	82	41.0
5	88.5	71	35.0
6	78.5	71	34.1

$$\begin{array}{r} 6 \overline{) 238.00} \\ \underline{39.67} \end{array}$$

74

4/4/90 711/-

78

$$\text{Avg 1 and 2 } 38.99 = 92.6\% \text{ of } 417.18$$

Herling Lake

Cause 1.

Core	Depth	Core	W.C.
1	110	69	59.7
2	98		
10M.	99	90	41.0
1	99	90.5	40.8
2	100	94	41.0
3	102	92.5	44.6
4	100	94.5	41.2
5	103.5	93.5	42.7
6	99	94	43.0
7	105. -0.5	101.0 -0.5	41.7

7

April 4, 1920

Ed. Rosen  
Harry G. Armstrong

shady

★  
Sterling Lake  
Course 2

1	111.0 -1.5	106.5 -1.5	43.1
2	98	96	37.4
3	103.5 -0.5	96.5 -0.5	42.7
4	100	95.0	41.9
5	97 -0.5	90	40.4
6	87		
10 M.	87.5	83	
v	87.5	80.5	36.0

7/1

4/4/20

★ 30



+ Meadow Lake -  
Course 2.

47

Meas			
1 <del>400</del>	97.0	97.0	42.0
re 14-	95.5 -1.5	88.0 -1.5	39.8
2	95	74.0	38.6
3	101.5	96.0	41.9
4	111.0 0.5	107.0 6.5	43.8
5	114.0 0.5	91.0 0.5	39.0
6	109.0	99.5	40.8
7	106.5	102.5	42.6
8	105	101.	43.0

April 5, 1920

+ 31

Ed. Roney  
Kingsley Construction

between trees.



Meddow Lake

Course #1

Meas.	Depth	Cre	W.C
1	{ 91.5 -1.0	89	37.6
2	100		
2	{ 105 -1.5	93.5	44.5
3	102	93	40.0
4	{ 104 -1.5	92.5	41.1
5	{ 96 -2.5	95.9	37.2
Repeat 5	{ 95 -1.5	94.2	37.6
6	{ 100 -1.0	74	39.3
6 Repeat	{ 100 -0.5	85.5	41.6
7	{ 109 -1.5	104	44.0

4/5/20

Ed. Rooney  
J. B. Brown  
- Record

50' fr. N West side Turn

Then ea 50'

H. R. Armstrong  
Gus. Anderson

+ 812' from #7 to end of course

End 1:05 PM.

Descriptions of new courses.

Sterling Lake

In open flat about 2000 ft  
south of Sterling Lake

Course 1.

SW-ly from Southern most  
snow gage in line with blazed  
fir 6" ft in diam. Meas. 2.  
being every 50' apart, beginning  
50' from snow gage.

Also along same line approx.  
NE-ly from Southern most snow  
gage toward small blazed fir  
at end of clearing. Meas every 50'  
beginning 50' from snow gage, 7  
meas. Total meas in this course.

9. Elev. = ?

Course 2

Across flat near Northern  
most snow gage SW to NE  
bet large 4" blazed fir stand-  
ing alone at base of hill and  
46" blazed tamarack.

Courses Laid out by  
Apr. 4, 1920

Ed Roeny-  
Harry Amstrong

Meas. every 50' beginning 75'  
from large fir. Total meas. 6.

✓  
Meadow Lake

The open flat about 2000'  
NW of Meadow Lake.  
Elev. 7300'

COURSE 1

From 30" long bare flayed  
tamarack SE to flayed  
tamarack. Measurements  
every 50' beginning 50'  
from bare flayed tamarack  
Total meas. 7.  
Measurements.

COURSE 2

From flayed tamarack  
100' NE of most easterly  
snow gage across flat  
to flayed tamarack. Thus  
every 50' beginning 50'  
from flayed tamarack at NE  
end of course.  
Total meas. 8.  
Measurements.

✓

4/2/20

✓

Mail Box Flat.

No.	Depth	Core	W.C.
1	94.5 -2.5	72.5 -2.5	42.5 <sup>7</sup>
2	89.0	84.0	37.5
3	75		
10.14	76	67.0	34.0
4	90.0 -2.0	86.5 -2.0	39.0

4/5/20

30

Ed Frost  
Harry C. Armstrong

4/30

The courses at Williams, are too long. Course No 1. should only have 11 holes and course #2 13, as all further holes run into the aspen grove.

Williams

Course 1.

On flat, elev. 7,800 feet, open, from triple blazed tamarack 150' S of house & 100' E of barn, S across flat to aspen to aspen forest. Meas. No 10, 6' E of large scarred sp. aspen. Meas. every 50 feet, beginning 50' from triple blazed tam. Total meas. 11

Course #2. On flat SW to NE across Course #1. From large juniper 4' in diam triple blazed to blazed tamarack with a 1x6'-4' board out. Course #2 crosses course #1 bet. 9 & 10. Meas. every 50 feet, beginning 50' from triple blazed juniper. Total measurements, 13

Burnside Lake  
Course 2

5/1/30

I changed the course here, for we could not locate the "SE" blazed

"I" from small tamarack triple-blazed at upper end of open flat 400 feet, southerly toward high bald peak at lower end of open flat. Measurements every 50 feet, beginning 50' from triple blazed tamarack.

Ward Creek

6/2/20

Prof Church &  
Plemmetree

West course

#4 16 15% <sup>30%</sup>  
8.2

East course

#1 6 5% <sup>10%</sup>  
3.4

North course

#2 17 17 <sup>31%</sup>  
8.9

S course

no snow



Rubicon Peak  
Course 2 extra 4 miles

Last hole

14' from

3. line 11" 11" 5.6"

Course #1

1	65.7	65.4	31.4
2	62	74.80	39.2
3	61	53.5	
Ref	61	60.3	28.6
4	32.5	32.1	18.2
5	0		
6	47.9	47.7	22.6
7	54.3	54.3	25.4
8	31.0	30.4	15.3
9	5.5	00	2.4
10	27.4	27.2	13.3
11	52	50.8	23.6
12	45.4	43.5	21.6

6/2/20

Peak Church

Ma Armstrong

Left road below saddle at  
9.6 PM. Arrived course #1 at  
2 P.M.

#2 today is 2' beyond old hole

13	38.2	cc	21.5
14	24	25	12.7
15	24	28.5	12.4
16	18	cc	8.9
17	38.3	cc	18.4
18	51.7	51.2	22.2
19	28	cc	12.4
20	54	cc	26.8
Re M.	39.3	39.7	18.193
21	42	41	20.7
Re M.	43.7	43.2	22.0
22	48.5	48.3	23.8
Re M.	62.8	cc	31.6
23	52.5	cc	25.0
Re M.	41	cc	19.7
24	35	cc	17.4
25	61.2	60.7	26.9
26	63.5	59.0	29.0
Re M.	67	66.4	32.0
27	7.0	cc	3.4
28	51.3		
Re M.	50.9	cc	25.4

2 holes about 5' E of this.  
 2 old sets of holes 8' apart. - one  
 hole taken 1/2 way between  
 this one by set of 2 holes farther out.  
 near furthest hole ahead  
 old holes 8' apart. April  
 1201 or April hole

1201

May

April hole not found or depth?  
 May hole, very near lumber.  
 some broken - back better

This hole is 23' ahead of #27 just beyond  
 traps blazed to turning point west

28a	55.5	56	26.6
29	44.7	cc	22.4
29a	36.5	cc	18.2
30	41.8	41.4	20.8
30a	36.5	cc.	17.3
31	15	14	6.9
32	34 ✓	32	16.7
32a	60.3		
32b	61		
11	59.7	59.7 ✓	30.7
33	29.4	38.2 ✓	17.4

20.7 Average

74

~~new~~ hole 29' back  
april

~~new~~ april hole

~~new~~ hole

april hole 3 holes 23' back

12' from blazed tree.

this course should be more  
thoroughly blazed, & blaze trail  
from table rock to beginning of  
course

East Walker  
Station 3 - Cirque Mountains-

3/27/71 Clear & warm. or  
Henry G. Hornstrom recorder  
O.W. Fulton

1	85 $\frac{1}{4}$	76	29 $\frac{1}{2}$		
2	93 $\frac{1}{4}$ -3	89 -3	44 $\frac{1}{4}$	mud-	
3	114 $\frac{1}{4}$	98	41		
rc	111				
rc	126 -1	124	52	mud	
4	113	112	47		
5	79 $\frac{1}{2}$	77	31.5	rock	
6	26 $\frac{1}{2}$	24	10.5	rock	opp tree.
7	90.5	86	43.6 ✓	mud	
8	10.2 ✓	93.5	34.5	rock	
9	62	60.5	24	rocks	
10	70.5	67.5	23		
<del>25</del>	90.5		36.6		211%

11	107	102	45	
12	101	89		
16	101	96	42.5	
13	101	<del>96</del> <sup>99</sup>	41	
14	97	92	39	med.
15	101	98	42 1/2	
16	96.5	94	39.5	
17	112.5	105	47	ok.
18	96	94	41.5	gravel
19	101	99	42	
20	112	98.5		
16	125	111	51 1/2	

20.

95.5

$$38.6 = 119\%$$

$$42.5 = 125.4\% (?)$$

Normal 32.29

40.88

95.5

Normal 42.87.

one plid out 3 inches 94 corrected -

The first half of this course is very good, ~~the~~ last half unsatisfactory - subject to drifts & steep. There seems to be no other available satisfactory location for a course, within a reasonable distance.

Would suggest using only 1st or lower half of course & take measurements every 25' instead of 50'

Station 4 - Big Meadows  
 Course 1. Near the Ranges

1	40 <sup>s</sup>	36 <sup>s</sup>	15 <sup>s</sup>	
2	25 <sup>s</sup>	19 <sup>s</sup>		mud
10	25 <sup>s</sup> 2 <sup>s</sup>	15 <sup>1/2</sup> 2 <sup>1/2</sup>	6.5	mud
3	35 <sup>s</sup>	35	14.0	
4	43 <sup>1/2</sup> -1 <sup>1/2</sup>	45 <sup>1/2</sup> -1 <sup>1/2</sup>	21.0	mud
5	45 <sup>1/2</sup> -1	43	18	"
6	31	29 <sup>1/2</sup> 1 <sup>1/2</sup>	12.5	rock
7	44 <sup>1/2</sup> -1 <sup>1/2</sup>	42 <sup>1/2</sup> -1 <sup>1/2</sup>	16.5	mud
8	47 -1	43 -1	18.5	"
9	59	53		
10	60 <sup>s</sup>	55	27 <sup>s</sup>	
10	71			
10	71	69	33 <sup>s</sup> 33	

bright + warm 44  
 3/28/21 Vermontology  
 C.W. Feltz

Weather clear + calm

[for notes in re this course see  
 p 47].

opp. small cedar

11	46	43 <sup>s</sup>		
12	50 <sup>s</sup> -1 <sup>v</sup>	48 -1 <sup>v</sup>	23 <sup>s</sup>	rock - gravel
12	76 <sup>s</sup>	71	35	
12	76 <sup>s</sup>	73	35	rock
13	98 <sup>v</sup>	96 <sup>s</sup>	47 <sup>z</sup>	on S. slope of knoll
14	43 <sup>s</sup>	39		
14	44	42 +2	23	rock " " "
15	53 <sup>v</sup>	53	28	mud
16	67 <sup>s</sup>	65 <sup>s</sup>	32 <sup>o</sup>	
17	71 <sup>s</sup>	67	34 <sup>o</sup>	mud
18	71 <sup>v</sup>	67 <sup>s</sup> -1 <sup>v</sup>		"
18			32 <sup>o</sup>	
19	61 <sup>s</sup> -3	59 -3	29 <sup>s</sup>	"



20	59	56	235	brush	
21	59 1/2	56 1/2	24	"	
22	68	62	39	"	ice 2' below surface
23	76 <sup>s</sup>	68 <sup>s</sup>	30 <sup>b</sup>	grass	
24	55 1/2	55 1/2	23 <sup>s</sup>	rocks	
25	78 <sup>s</sup>	75 <sup>s</sup>	<del>32<sup>s</sup></del>	mud-	
26	70 <sup>s</sup>	69	32 <sup>s</sup>	"	
27	46	44	17 <sup>s</sup>	twigs	
28	79 1/2	65 1/2	26 <sup>s</sup>	mud	
28	101	96 <sup>s</sup>	40 <sup>s</sup>		
29	35	35	15 <sup>o</sup>	twigs + mud	
30	74 <sup>s</sup>	74	30 <sup>o</sup>		
31	70 <sup>s</sup>	67 <sup>s</sup>	28 <sup>o</sup>	twig	

37 88<sup>s</sup> 78<sup>s</sup> 37°  
-1/2 -1/2

33 68<sup>s</sup> 63<sup>s</sup> 24°  
-1/2 -1/2

34 84<sup>s</sup> 77<sup>s</sup> 31  

---

26.21

61.5 27 26.4

34) 89.3  

---

26.21 ÷ 22.86 = 114.7%

61.5 Run 42.6% 26.21

45.3<sup>A</sup>

and soft snow

"

Indigo at base of very steep slope.

This course seems quite satisfactory as for location. Some willows are in line, & should be brushed out.

The last 6 measurements on a very steep slope (to North), & I have recommended abandoning them.

Pickle - Leadit Course

1	46.5 -0.5	44.0 42.0	20.0	rock
2	28.0 -0.5	25.0 -0.5	11.0	mud
3	20.5	19	8.5	rock
4	19.5	14.0	6.5	"
5	21.5 -1	20 -1	9.0	mud
6	36.0	34.5	15.0	rock
7	19.5	19.0	8.5	"
8	52.0	46.5		
10	52.5	52.0	22.5	
9	42.5	41.5	17.0	
10	29.5	26.0	11.5	
11	21.5 -1.5	20.5 -1.5	9.5	

bright + warm-

48

George Armstrong rec-  
Chas W. Feltner-

2/30/21.

29' NW. of 36" juniper tree.

This is a very satisfactory course, except that beyond near #26, it runs down a S.W. slope & is entirely dry.

We blazed several trees with single blaze on either both sides of course. There is no opportunity for a second course at rt. angles anywhere.

12.	27.0	19.5	10.0	
13	25.5	23.5	11.4	mud.
14	29.1	27.5	15.5	grass
15	38.0	21.	13.0	mud.
16	43	39.	15.5	mud.
17	47.5	46.0	17.5	✓
18	28	23.5	10.5	
19	29.0	28.	12.5	
20	28.5	24	12.5	mud
21	26.0	23.0	10.5	✓
22	27.0 -0.5	23.5 -0.5	12.5	✓
23	16. -3	17.0 -3.0	6.5	
24	20.2			

av. 12.46  
-12.46

2' Jeffrey Pine 10' left of course.

24 dry-

25 21

10. 22 1/4 19 1/4 10.

26 dry-

27 dry-

278 m

28 726.0  
25.9

296.62  
10.59

sum. 40.970

Description of Pickle-Leavit Course.

Starting point, diked rock, which bears due North 27' from a triple-blazed juniper 18" in diam. on first summit of steep hillside due westerly from head, or extreme southern end, of Pickle Meadow on Poor Creek, said starting point being approximately in center of Sec. 3, T5N R22E as shown on the Dardanelles quadrangle.

1<sup>st</sup> meas. 40' N.E. 1/4, <sup>from diked rock</sup> thence every 50' S.W. 1/4 along blazed course.

Total No. of meas. 27

at top of ridge overlooking Leavit Cr-

Note - this description made of this course by me before referring to Parkin's description; all measurements beyond 27 are on S.W. 1/4 slope & should not be included in this course.

Blomstrom

## Willow Flat - Station 2

## Course #1.

	<del>10</del>	<del>9</del>		
1		dry		
2		"		
3	10	9	4.5	
4	53 $\frac{1}{4}$ -1 $\frac{1}{2}$	50 $\frac{1}{4}$ -1 $\frac{1}{2}$	28.5	mud
5	63 $\frac{1}{2}$	61	29.0	"
6	47.0	46	20.5	grass
7	29	27 $\frac{1}{2}$	12.0	"
8	32.5	31	12.0	"
9	29	28.5		"
10	29	25	13.0	grass
10	24 $\frac{1}{2}$			
10	29 $\frac{1}{2}$ -3	26 -3	0.0	
11	33 $\frac{1}{2}$ -1 $\frac{1}{2}$	30 -1 $\frac{1}{2}$	14.5	

3/31/21

bright + warm  
Limestone  
Hulltown

51

Description etc. except I suggest cutting off all beyond #24 as it thereafter climbs steep rocky knoll, & establishing new course at right angles hereto, as described p 53.

12	30	28 1/2		ice	
12	27 1/2			6" mud	
16	30 1/4	26 1/4	12.5	mud	ice at bottom
13	23	22 1/2	11.5	grass	on all of base
14	29 1/4	26 1/4	14.0	"	
15	26.3	14 1/2	12.0	"	
16	26.0 -1.0	22 1/2 -1.0	11.0	mud	
17	24	20.0	13 1/2		
18	25	18 1/2	10 1/2	grass	
14	25	16	9.0	twigs	
20	30 1/2 -3	27 1/2 -3	13.0	mud	
21	30	24	12.5	twigs	
24	33 1/2 -1	32 1/2 -1	14 1/2	mud	
23	32 1/4	25.0	13.0	twigs	



24- 39 34 15.4 ~~twigs~~ twigs at base of small steep knoll.

av.  $\frac{31.4}{}$

$\frac{691.5}{28.8}$

av. 13.29

$\frac{337}{13.70}$

At right angles to Course No. 1 across willow <sup>plot</sup> from bushy topped & striped top ~~cedar~~ cedar 36" in diam with dead tamarack leaning into cedar, toward large tamarack leaning to the North. Beginning 50' from cedar, every 50'. This course ~~is~~ at meas. 7-8-6-7 crosses course 1 ~~at~~ bet meas. 16 & 17.

Course-1 should be terminated at ~~edge~~ on East side of willow plot. at base of hill. at center edge.

Total meas. 13

Course 2.

1	41 - 2 1/2	39 1/2 - 2 1/2	15.0	dry grass
2	29 - 1	26 - 1	11.5	
3	27	26		
10	51.0	43	26.0	gravel
X	26	20	10 1/2	

5	28	24		?
16	28 1/2	24 1/2		?
16	28	24	12 1/2	grass
6	25	24		?
16	24 1/2	22 1/2	11.5	grass
7	24 1/2	25 1/2	13.5	"
8	27 1/2 -3	26 -3	11.5	dry grass
9	31 -2 1/2	27 1/2 -2 1/2	13.5	"
10	24	15 1/2	9.7	grass
11	20 -0.5	15 -0.5	9.0	"
12	23 -1	17 -1	9.5	
12	27			?
16	27 1/2	22	13.7	dry
av.	28.6		av. 12.89	
+50	20.5	12.9	30	" in dia

1+2 28.7  
 12.80  
 44.6%

---

av. 1+2 12.59 = 82.2

West Walker  
Pickle Meadow  
Course 1.

1	dri				
2	4.5		2.0		rocks
3	14.5	12.5	5.5		
4	14				
10	17.0	14.5	7.0		
5	27.0	19.5	9.0		mod
6	23	22.5	11.5		rocks
7	18.0	16.0	<del>8.0</del> 7.6		
8	29.5	16.5	7.5		mod
	19.5	-1.5			
9	16.0	12.5	6.0		
10	21	12.5	6.1		grapt
11	12.5				
12	13.0	14.0	6.0		
	-1	-1			
13	19.0	14.0	7.0		brush
14	17.5	13.5	7.0		"
18	20	17.0	6.5		
15	29	17.0	<del>8.0</del> 7.6		
	27.5	-2.5			

cloudy + windy. 55

4/1/21

Wampetong recorder  
Fulton

Course 1, to me, does not seem to be a satisfactory course. It is not in an open meadow as stated in description of courses, but on top of that bare ridge, whose general slope is gently to the south.

Course 2 is better; it slopes to north.

With the above exception, description of 2 courses satisfactory.

sage brush-

" "

50-

16	16.0	15.0	7.2	
17	22 1/2			
18	19.0	15.5	7.2	mud
18	19 1/2	16. 1/2	6.7	"
	-2	-2.		
19	17 1/2			
19	18	14.0	7.0	brush
20	17 1/2			"
19	21 1/2	20 1/2	9.0	
	-1 1/2	-1 1/2		

av. ) 240.5  
 -174  
 17.0

total 24 ) 135.6  
 -7.0  
 6.78

COURSE 2

1	dof			
2	frace			
3	17	15	5.5	mud
4	30.5	27	13.0	Twig
5	31.5	21.5	10.1	
	-1.0	-1.0		
6	36.5	32.5	13.0	"
7	26.5	22	11.0	
8	30	20	11.5	"
9	28	26.5	12.1	



48  
Snow Survey

Prof J. E. Church Jr  
358 Washington St. Reno, Nevada

Ed Roeming (Fordyce)  
Cisco, Calif

A. L. Smith (Log House at Dam)  
Reclamation Service  
Tahoe Calif

Bob Watson (Guide // Ward Ct.)  
Tahoe, Calif

Murray Smith (With Matt Green)  
Tahoe City, Calif  
for Rubicon Park & Rubicon Peak

18-19

Red		Combined Month
Lawson	46.24	
Lawson		

Red	49.9	
5m. 1st	53.93	112.1
7 7	52.26	

9m. 1st	45.68	
---------	-------	--

49.21 112.1  
52.26



Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

MINUTES.	LKS.	MINUTES.	LKS.	MINUTES.	LKS.
1	2½	21	49	41	95½
2	4½	22	51½	42	98
3	7	23	53½	43	100½
4	9½	24	56	44	102½
5	11½	25	58½	45	105
6	14	26	60½	46	107½
7	16½	27	63	47	109½
8	18½	28	65½	48	112
9	21	29	67½	49	114½
10	23½	30	70	50	116½
11	25½	31	72½	51	119
12	28	32	74½	52	121½
13	30½	33	77	53	123½
14	32½	34	79½	54	126
15	35	35	81½	55	128½
16	37½	36	84	56	130½
17	39½	37	86½	57	133
18	42	38	88½	58	135½
19	44½	39	91	59	137½
20	46½	40	93½	60	140

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle	COR. IN LINKS	Angle	COR. IN LINKS	Angle	COR. IN LINKS	Angle	COR. IN LINKS
0		0		0		0	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

1893 42 1/2  
1894 13  
79

THE ALBERTZ CO

SNOW SURVEYS

1921

Summit &

S. Yuba.

12770

State Dept of Engineering  
Forum Bldg  
Sacramento  
California

Beakley

Snow Surveys 1921

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Big Meadow, -1-

Summit Station -2-

Cisco -3-

Red Mountain -4-

Saw Mill Flat -4-

Fordyce Lake Annex Flat -5-

Fordyce Lake Mail Box Flat -5-

Meadow Lake -6-

Sterling Lake -6-

Index - continued

1  
Course 1 -

Upper Part of Big Meadow  
East of Castle Rock

Dips & Slopes Elev Approx 7500 ft  
semi open, through quaking aspens  
to cedars

From dead lodge pole pine 15" dia  
triple blazed on North & South sides  
25 ft South of creek, 510°W toward  
Hennerville Peak to large blazed cedar  
2' in diameter

Measure every 50' beginning 2 ft from  
dead Lodge pole Pine

Measure No 39 N.E. of big cedar blazed  
and last measure 38' W of large blazed  
cedar (24" dia)

Total Meas. 40

## IV Yuba Basin - Summit Station

'A' South Fork of Yuba River  
Station 1 Summit Station Donner Pass  
Truckee Quad.

Established Feb 18<sup>th</sup> 1918

on S.P. R.R. Summit Hotel  $\frac{1}{2}$  mile East

### Course 1

Crest of Hill S. of Concrete R.R. station

Elev 7019 ft. timber sparse

From window next east of Warehouse

door, S to triple blazed tree

measure every ten feet, beginning

under telegraph wires, and directly

in line with telegraph poles

Total meas. 10

### Course 2

In Flat approximate 500 ft S.E. of

and below R.R. Station; Through

Forest Glades and burned scrub

from Triple blazed medium tamarack

South to Western triple blazed tree

of two tall trees at far end

of opening.

Bearing of triple blazed Medium Tamarack

### Course 2 (cont.)

directly south of 1<sup>st</sup> telegraph pole

west of new snow-board (E. of Summit Station)

and on E-W line passing through large

dead tree & large live tree S of Station

Measure every 25 ft from triple blazed

medium tamarack, Total measure 22

### Course 3

Est. 2/27/19

In Flat E. of Course 2

From tamarack 30" dia of N edge

of large opening and 10 ft South of

1<sup>st</sup> telegraph pole E of U.S.M.B.

snow scale, E of S to easterly twin

tamarack 24" dia and plainly

visible across opening. Measure every

25 ft. Beginning 25 ft from North Tamarack

total measure approx 32

Note if snow has melted and water escaped  
from bottom and approx quantity as  
shown by saturation of soil



# Yuba Basin - "Cisco"

## Station 2 Extra

1/2 day from Cisco Station on S.P.R.R.

Hotel - Store at Cisco

## Course 2

On flat on S. fork Yuba River where major road N from Cisco enters Lincoln Highway

Open; elev 5700, sampler liable to injury because of rocks

From southernmost (triple blazed) of 3 large pines at mouth of Cisco culvert

N.E. to telephone pole (triple blazed)

just to right of line passing through south end of red bridge over Yuba  
measure every 25 ft beginning 25 ft from triple blazed.

Measure Station 20 is 20' S. and 7' W. of sign

"Cisco Hotel"  $\frac{1}{2}$  m. "Green Store" etc

Total measurements 24

## Course 2 open flat

From Northernmost of 3 large pines mentioned in course No. 1. N. to bushy low tamarack in center of flat

Both ends of course triple blazed

Beginning 25' from triple blazed pine

last measure 37 1/2 ft from low tamarack

Total measure 15

omit

omit

# Red Mountain or Signal Mt.

## Station 3

Summit of trail from Cisco to Fordyce Dam

Two days to survey at Station 3

3, 4, 5 & 6 between Cisco and Fordyce Dam

Four days if stations 7 & 8 are included

Keeper's House at Fordyce Dam, 1876 Co.

## Course 1

On broad shoulder of mountain

Elev 7200 ft tall fir forest

Between blazed firs 2" dia

measure every 25' S to N, beginning

25' from S. Fir

Total measure 14

## Station A Sawmill Flat

E of and adjoining Sta 3

## Course 1 Open Flat elevation 7000'

From 4" dia red fir triple blazed on

N edge of flat, S. N down center of

flat toward distant tree triple blazed

measure every 50' beginning 50' from

red fir total meas 13

## Course 2 Cross section of Course 1

across flat E from 3" red fir to 2"

tamarack, both blazed. Measure

every 50' from fir total meas 6

# Fordyce Lake

## Station 5 Furnace Flat

On trail from Cisco to Fordyce Lake  
approx 1 1/2 miles from Fordyce Lake

### Course 1 open flat elev 6600ft

N to S between triple blazed Tamarack trees  
dia 2" Measure Every 50 ft, beginning  
50' from N. Tamarack, total meas. 9

### Course 2

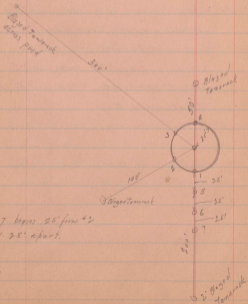
#### Cross Section of course 1

E to W across flat, meas. every  
25' Beginning 75' W of pruned  
tamarack 1 1/2' dia, triple blazed  
10" dia tamarack at W end of course  
Total Meas. 10

# Fordyce Lake

## Station 6 Mail Box Flat at S. end Fordyce Lake

Course 1 Small Flat elev. 6500ft open  
Circle of 25' Radius around Snow Staff  
total meas 4 located by radial lines  
from staff to blazed trees, with 3  
additional, as 5, 6 & 7 see sketch



5, 6 & 7 begin 25' from #2  
and 25' apart.

## Meadow Lake

Station 7 in open flat about 200' N.W. of  
Meadow Lake Elev 7300ft

Course 1 from 30' dia line bare blazed  
Tamarack S.E. 1/4 to blazed Tamarack  
measure every 50', beginning 50' from  
line bare Tamarack. Total Meas 7

Course 2 From Blazed Tamarack 100' N.E.  
of most easterly snow gauge (snow stake?)  
to blazed Tamarack.  
measure every 50' beginning 50' from  
blazed Tamarack at N.E. End of course  
Total meas. 8

## Sterling Lake

Station 8 in open flat about 2000 ft south  
of Sterling Lake

Course 1 S.W. 1/4 from southern most snow gauge  
in line with blazed fir 1" in dia  
measurements 50' apart, beginning 50'  
from Snow gauge. Total meas 2  
also along same line approx N.E. 1/4 from  
southern most snow gauge toward small  
blazed fir at end of clearing  
measures every 50' beginning 50' from Snow gauge.  
Total meas 7  
Total meas. both directions 9

Course 2 Across flat near northern most snow gauge  
S.W. to N.E. between large 4' dia  
blazed fir standing alone at base  
of hill & 16" blazed Tamarack.

A.J. Beckey }  
E.E. Roenning }

3/25/21

Summit Station Course 2 / page 2

Station	Depth	Height of Snow in Tube	Deduct	Total Snow	Water	%
1	109	102½	2	100½	51	
2	106	101½	—	101½	48	
3	104	103	1	102	47½	
4	104½	103½	—	103½	48	
5	108	114½	½	114	55½	
6	112½	108½	—	108½	51½	
7	114	109½	1½	108		
ap <sup>d</sup> 7	114	109½	1½	108	52¾	
8	116	113	1	112	51½	
9	128	118½	—	118½	58¾	
10	123	114½	6½	108	48.7	
ap <sup>d</sup> 10	126½	119½	4	115½	50½	
11	119	115	—	115	52¾	
12	112½	109	3½	105½	50½	
13	107	105½	2	103½	47	
14	101	96	1	95	45	
15	102	98	1	97	47	
16	106½	106	1½	104½	48	
17	114	108	4	104	52¾	
18	118½	111½	½	111	55¾	
19	118½	117½	1½	117	57	
20	119	116½	½	116	52¾	

3/25/21 + 7

Summit Sta. Course 2 - page 2

Station	Depth	Height of Snow in Tube	Deduct	Total Snow	Water	%
21	113½	109	1	108	51¾	
22	101	99½	3	96½	45	
22)	<u>2,471</u>			22)	<u>118.4</u>	
	112.3				50.84	

omit %

Summit Station Course 3 Page 2

Station	Depth	Height of Saw in tube	deduct	Total Saw	Water	%
1	94	90	1	89	45 $\frac{5}{10}$	
2	95 $\frac{1}{2}$	94	1	93	46	
3	102 $\frac{1}{2}$	97	2	95	47 $\frac{1}{2}$	
4	102 $\frac{1}{2}$	97	—	97	50	
5	100	97	2	95	44 $\frac{5}{10}$	
6	107 $\frac{1}{2}$	102 $\frac{1}{2}$	$\frac{1}{2}$	102	54	
7	101	99	1	98	47 $\frac{3}{10}$	
8	107 $\frac{1}{2}$	102	3	99	50 $\frac{8}{10}$	
9	109	102	—	102	52 $\frac{3}{10}$	
10	107	103	1	102	50 $\frac{3}{10}$	
11	109	106	$\frac{1}{2}$	105 $\frac{1}{2}$	50	
12	102	99 $\frac{1}{2}$	2	97 $\frac{1}{2}$	47 $\frac{5}{10}$	
13	101 $\frac{1}{2}$	98 $\frac{1}{2}$	1 $\frac{1}{2}$	97	47 $\frac{8}{10}$	
14	101	98	2	96	46	
15	106	102 $\frac{1}{2}$	1	101 $\frac{1}{2}$	50	
16	113 $\frac{1}{2}$	101 $\frac{1}{2}$	1 $\frac{1}{2}$	100	55 $\frac{5}{10}$	
17	113	109	1	108	51	
18	113	105	3 $\frac{1}{2}$	101 $\frac{1}{2}$	45 $\frac{8}{10}$	
<del>19</del>	<del>101</del>	<del>87</del>	<del>1<math>\frac{1}{2}</math></del>	<del>85<math>\frac{1}{2}</math></del>	<del>57<math>\frac{3}{10}</math></del>	
19	110 $\frac{1}{2}$	105 $\frac{1}{2}$	—	105 $\frac{1}{2}$	53	
20	106 $\frac{1}{2}$	103 $\frac{1}{2}$	$\frac{1}{2}$	103	49 $\frac{1}{2}$	

Station	Depth	Height of Saw in tube	deduct	Total Saw	Water	%
21	112	106 $\frac{1}{2}$	$\frac{1}{2}$	106	51 $\frac{1}{2}$	
22	115	106 $\frac{1}{2}$	—	106 $\frac{1}{2}$	56	
23	118 $\frac{1}{2}$	113 $\frac{1}{2}$	1	112 $\frac{1}{2}$	53	
24	115	110	2	108	52	
25	121	117 $\frac{1}{2}$	—	117 $\frac{1}{2}$	51	
26	118 $\frac{1}{2}$	116	1	115	49	
27	103	101 $\frac{1}{2}$	2	99 $\frac{1}{2}$	48 $\frac{4}{10}$	
27)	3006.5				27) 1342.8	
	111.4				49.73	

2+3, 111.9 in. av 2+3 50.29 in.  
Rel. dens. 44.9%

A.J. Beckey  
 B.E. Roanberg  
 G. Johnson

3/27/21

Red Mountain Course 1

Station	Depth	Height of Saw in hole	deduct	Total Saw	Water
1	140	136 $\frac{1}{2}$	$\frac{1}{2}$	136	57.8
2	150	142 $\frac{1}{2}$	1	141 $\frac{1}{2}$	65.
3	142 $\frac{1}{2}$	137 $\frac{1}{2}$	1	136 $\frac{1}{2}$	65.8
4	136	131 $\frac{1}{2}$	1 $\frac{1}{2}$	130	59.2
5	132	128	2"	126	58
6	149 $\frac{1}{2}$	121	—	121	58.2
7	136	127 $\frac{1}{2}$	—	127 $\frac{1}{2}$	62
8	125	118 $\frac{1}{2}$	1	117 $\frac{1}{2}$	59.5
9	138 $\frac{1}{2}$	97	$\frac{1}{2}$	96 $\frac{1}{2}$	60.
10	119	114	—	114	56.2
11	128 $\frac{1}{2}$	127	$\frac{1}{2}$	125	61.4
12	140	134 $\frac{1}{2}$	$\frac{1}{2}$	134	64.5
13	136	134 $\frac{1}{2}$	1 $\frac{1}{2}$	133	61.
14	108	103	$\frac{1}{2}$	101	47.5
				14) 836.1	
14)				1861	59.72
				132.9	

Remains. 44.9%

Beckey  
 Roanberg

3/28/21

A. Beckey  
 B.E. Roanberg  
 G. Johnson

Saw Mill Flat Course 2

Station	Depth	Height of Saw in hole	deduct	Total Saw	Water
6	132	127 $\frac{1}{2}$	—	127 $\frac{1}{2}$	63
5	140	134	1 $\frac{1}{2}$	132 $\frac{1}{2}$	67.6
4	132	91	—	91	67.1
4	143	134	1	133	69.4
3	129	125 $\frac{1}{2}$	1 $\frac{1}{2}$	134	62.2
2	117	101 $\frac{1}{2}$	—	101 $\frac{1}{2}$	59.
2	144	138	—	138	66.2
1	150	145	1	149	67.4
				6) 848	6) 395.5
				141.3	65.92

Snow on Staff ~~12~~ 12 ft  
~~14~~ ft



A.J. Beutley  
E.E. Reamling  
& Johnson

3/22/21

Saw Mill Flat Course

Station	Depth	Height of Saw in hole	deduct	Total Saw	Water	%
1	127	122	1	121	61	
2	133	125 $\frac{1}{2}$	1	124 $\frac{1}{2}$	64.5	
3	125	114	$\frac{1}{2}$	113 $\frac{1}{2}$	61.2	
4	135 $\frac{1}{2}$	98	$\frac{1}{2}$	97 $\frac{1}{2}$	62	
5	152	107	$\frac{1}{2}$	106 $\frac{1}{2}$	66.8	
6	142	134	1	133	71.3	
7	141	134	—	134	70	
8	145	137	1	136	68.4	
9	127	120	—	120	59.3	
10	141	131	2	129	68	
11	154	139	—	139	73	
12	136	89 $\frac{1}{2}$	—	89 $\frac{1}{2}$	(68)	
12	150	130	—	130	73.2	
13	155	142	1	141	72.6	
13)	1963.5			13)	876.3	
	157.0				67.02	

12 ft on pole

av. 146.2

av. 1 + 2 66.47

A.J. Beutley  
E.E. Reamling  
& Johnson

3/22/21

Sterling Lake Course

Station	Depth	Height of Saw in hole	deduct	Total Saw	Water	%
1	154	144 $\frac{1}{2}$	1	143 $\frac{1}{2}$	67	
2	154	146	$\frac{1}{2}$	145 $\frac{1}{2}$	74.6	
Course 1 'A'						
1	150	97 $\frac{1}{2}$	1	96 $\frac{1}{2}$	65.8	
2	154	142	—	142	70	
3	160	154	1 $\frac{1}{2}$	152 $\frac{1}{2}$	73.8	
4	152	143 $\frac{1}{2}$	1"	142 $\frac{1}{2}$	70	
5	156	147	2	145	75	
6	156 $\frac{1}{2}$	138 $\frac{1}{2}$	3	153 $\frac{1}{2}$	74	
7	157	150	3	147	74.2	
9)	1392.5			9)	644.4	
	154.7				71.60	
Course 2						
1	173	159	6	153	75	
2	158	148	1 $\frac{1}{2}$	146 $\frac{1}{2}$	76	
3	159	152	4	148	73.5	
4	151	132	$\frac{1}{2}$	131 $\frac{1}{2}$	71.5	
5	137	124 $\frac{1}{2}$	9	120 $\frac{1}{2}$	61.2	
6	112	108	5	103	50.8	
6)	890			6)	408.0	
	148.3				68.0	

12 $\frac{1}{2}$  ft on pole

av. 151.5

69.80

Reamer 46.170

Booker  
Reynolds  
Johnson

3/29/21

Furnace Flat Course 1

Station	Depth	Height of Sewer in tube	Deduct	Total Sewer	Water	%
1	123	117	6	111	58.4	
2	115	76	—	76	50	
2	127	119	2	117	62.5	
3	122	113½	½	113	59	
4	127	120½	1	119½	61	
5	129	125	3	122	61	
6	127	122	2	120	60	
7	125½	120½	1½	119	60	
8	113	92½	—	92½	55	
8	129	119½	1½	118	61	
9	114½	109	6½	102½	53	
9)	1124			9)	535.9	
	123.9				59.54	

10¼ on Pole

Booker  
Reynolds  
Johnson

3/20/21

Furnace Flat Course 2

Station	Depth	Height of Sewer in tube	Deduct	Total Sewer	Water	%
1	121½	113½	½	113	59	
2	127	93	1	92	55.4	
3	131	125½	1	124½	61	
4	124½	94	2	92	58.3	
5	126	90	1	89	60.5	
6	132	124	3	121	62	
7	120	86½	½	86	61.2	
8	129	107	3	104	63.4	
9	129	126	6	120	60.8	
10	121	88	½	87½	55.2	
10)	1271			10)	596.8	
	127.1				59.68	

av. 125.5

av. 1 + 2 = 59.61

av. Red Mt Sewer Flat

134.9

Furnace Flat 61.93

Lower 45.9%

Bowley  
Reynolds  
Johnson  
+ Nail Box Flat

3/29/21

Station	Depth	Height of Seam in tube	Product	Total Seam	Water	%
4	99	90	2	88	45	
3	109½	105	½	104½	47	
2	110½	100	—	100	51	
1	106	99	½	98½	46.4	
5	120	109	—	109	48.9	
6	117	102½	½	102	50.2	
7	117½	111	—	111	51	
7)	779.5			7)	339.5	
	111.4				48.50	

8½ ft on pole

Rem. 43.5%

Bowley  
Reynolds  
Johnson  
3/30/21 + 12  
Meadow Lake Course 1

Station	Depth	Height of Seam in tube	Product	Total Seam	Water	%
4	143	126	—	126	65.4	
1	145	136	1	135	70.0	
2	144½	137½	—	135	65.8	
3	161	156	6	150	73	
4	159	97½	—	97½	62.2	
5	161	153½	3	150½	68.8	
6	158	88½	3	85½	64	
6	164	157	6½	150½	73	
7	164½	150	—	150	74	
8	152	150	—	150	72.5	
8)	1251			8)	559.3	
	156.4				69.91	
	604.50	2				
1	163	153½	6	147½	75	
2	182	136	—	136	76	
3	150	138½	—	138½	64	
4	148	142	6	136	68	
5	150	104	1	103	65.5	
6	151	146	—	146	70.0	
7	147	139	—	139	65	
8	136½	129½	7	122½	61	
8)	1197.5			8)	544.5	
	149.7				68.06	
Ans.	153.1			Rem.	45.1%	68.99

# Summit Station - Course 2 - March 25<sup>th</sup> 1921

Beakoy  
Roehning

Station	Depth	Height of Snow in Tube	Deduct	in tube Total Snow	Water
1	109	102 1/2	2	100 1/2	51
2	106	101 1/2	—	101 1/2	48
3	104	103	1	102	47.3
4	104 1/2	103 1/2	—	103 1/2	48
5	118	114 1/2	1/2	114	55.5
6	112 1/2	108 1/2	—	108 1/2	51.5
7	114	109 1/2	1 1/2	108	—
7	114	108 1/2	1 1/2	108	52.2
8	116	113	1	112	51.5
9	128	118 1/2	—	118 1/2	52.8
10	123	114 1/2	6 1/2	108	48.7
10	126 1/2	119 1/2	4	115 1/2	50.5
11	119	115	—	115	52.8
12	112 1/2	109	3 1/2	105 1/2	50.5
13	107	105 1/2	2	103 1/2	47.
14	101	96	1	95	45
15	102	98	1	97	47
16	106 1/2	106	1 1/2	104 1/2	48
17	114	108	4	104	52.2
18	118 1/2	111 1/2	1/2	111	56.4
19	118 1/2	117 1/2	1/2	117	57
20	119	116 1/2	1/2	116	52.4
21	113 1/2	109	1	108	51.8
22	101	99 1/2	3	96 1/2	45

not weighed

not satisfactory (omit)

2708

22) 1118.4  
50.84 in.

Normal 41.76

# Summit Station Course 3 March 25<sup>th</sup> 1921

Beatrey  
Roemling

Station	Depth	Height of Sounding tube	Product	Total Area in tube	Water
1	94	90	1	89	45.8
2	95½	94	1	93	46
3	102½	97	2	95	47.5
4	102½	97	—	97	50.
5	100	97	2	95	47.8
6	107½	102½	½	102	54
7	101	99	1	98	47.2
8	107½	102	3	99	50.8
9	109	102	—	102	52.2
10	107	103	1	102	50.4
11	109	106	½	105½	50
12	102	99½	2	97½	47.5
13	101½	98½	1½	97	47.8
14	101	98	2	96	46
15	106	102½	1	101½	50
16	113½	101½	1½	100	55.5
17	113	109	1	108	51
18	113	105	3½	101½	45.8
19	101	87	1½	85½	37.3
19	110½	105½	—	105½	53
20	106½	103½	½	103	49.5
21	112	106½	½	106	51.5
22	115	106½	—	106½	56
23	118½	113½	1	112½	53
24	115	110	2	108	52
25	121	117½	—	117½	51
26	118½	116	1	115	49
27	103	101½	2	99½	45.5

3006.5

27) 1342.8  
49.73

$$20.2 + 3 = 50.29 \text{ in.} = 120.4\%$$

too near to tree - not satisfactory - omit



Sat. April 3, 1920

IV Yuba Basin

Station 3 Red Mt

COURSE 1

Meas Depth Core Water  
Current

1	101	99	57.7
10	101	99	59.2
2	104.5	103.3	40.8
3	<del>99.0</del> 99.8	<del>94.5</del> 94.5	39.6
4	99	85.5	36.
10	94.5		
	92.5	90	37.8
5	98	91	36.
6	100	98	39.

Temp.

J. E. Church Jr.

Ed Reany

J. B. Brown

Chas. A. Combs

7	98.4 -1.2	97. 1.	36.8
8	87 1.	86 1.	38.8
10	96.5	91.5	38.4
9	95.5 -2.3	91.5 -2.3	37.2
10	89.5 -1.5	87. -1.5	34.2
11	95 -0.3	93. -1.	35.2
12	98. 1.	96. 1.	39.2



$$\begin{array}{r} 13 \quad 86.5 \quad 86.0 \quad 35.2 \\ \quad -2.4 \quad -2.4 \end{array}$$

$$\begin{array}{r} 14 \quad 6.5 \quad 6.5 \quad 26.2 \\ \quad -3.5 \quad -1.5 \end{array}$$

$$\begin{array}{r} 99.9 \\ 14 \overline{) 1398.0} \\ \underline{126} \\ 138 \\ \underline{126} \\ 120 \end{array}$$

$$\begin{array}{r} 14 \overline{) 518.32} \\ \underline{37.02} \end{array}$$

x  
 Station 5 Furness Fla. Friday Sunday Ed Hardy  
Course 1 Apr 4, 1920 Barry A. Huntington  
 True depth

1	90°	84	<del>85</del> 37°
2	94	80	42°
α 4.	94	83	41° ✓
3	93 -1.5	84 -1.5	36°
4	97° 3°	87° 3	41°
5	93	84.5	40°
6	98.5	85	41°
7	95 -2.0	78 -2	40°
8	106 -3	92 -3	44°
9	90	82	36°

9) 359.90  
39.99

20  
12  
31

+

Course #2

Furnace Flat

1/4/20 AM

1 92° 86° 37°

2 89° 79° 36°

3 100 92 40°

4 93° 85 39.3

5 92 84.5 38°

6 94° 87° 40.8

re-4. 96° 87° 41°

7 99 1/2 95° 42.4

8 95°

re M 96° 41.7

9 97 1/2 90 40.8  
-2. -2.

10 94 1/2

re-4. 99

" 93

" 94 86° 37°  
-2° -2°

10) 393.90  
39.39

av. 39.69

Station #4 Saw Mill Flat

1	64 -2.0	59.5 -2.0	29'
2	82 -2	79.5 -2.0	36'
3	87 -1	82 -1	35'
4	88 -2.0	79.5	37'
5	98.5	80.5	39'
a.m.	90.0	83.5	39'
6	92		
6	91.5	77	40'
7	91	82.5	37.5'
8	96.5	89.5	39.5'

9	83.5	77.5	37.0'
a.m.	83.5	76	36.3'
10	88 -2	83 -2	37'
11	90.5 -1.5	85.5 -1.0	39.5'
12	116.5 -1.5	102 -1.5	52.5' 52.5'

Deep drift beyond Hole # 12

$$\begin{array}{r}
 87 \\
 105 \\
 96 \\
 \hline
 93 \\
 94 \\
 \hline
 91
 \end{array}$$

$$\begin{array}{r}
 12 \overline{) 460.60} \\
 \underline{38.38}
 \end{array}$$

+

Course #2.

1	100	92.5	43.2
	-0.5	0.5	

2	110.5	107.5	42.9
---	-------	-------	------

3	105	89	41.8
---	-----	----	------

4	92.5	84	41.0
---	------	----	------

5	89.5	71	35
---	------	----	----

6	78	71	34.1
---	----	----	------

6		238.00
		39.67

$$\text{av. } 39.03 = 83.4\%$$

$$\text{av. all courses } 38.58$$

$$N. 46.24 = 83.4\%$$

$$6 \sqrt{1700}$$

95
87.5
192.5
91.4

4/4/20

Sterling Lake

April 4, 1920

Ed Rossy

Karey A. Armstrong

We laid out two courses at Sterling Lake as follows:

In open flat about 2000 feet South of Sterling Lake

Course 1

5 feet westerly from Southern most snow gage in line with blazed tree one foot in diam. Measurements being every 50' apart, beginning 50' from snow gage.

Also along same line approximately North-easterly from Southern most snow gage toward

small blazed fir at end  
of clearing. Measurements  
every 50' beginning 50'  
from snow gage; six  
measurements.

Total meas. in this course  
89 elev. (?) 6650 — → elev taken from U.S.G.S.  
map.

Course 2.

Across flat near  
Northern most snow gage.  
SW to NE between large  
4' <sup>blazed</sup> fir standing alone at  
base of hill dist. 16"  
blazed tamarack.

Measurements every  
50' beginning 75' from  
large fir. Total meas. 6



Starling Lake

4/4/30

Course #1

Mean Depth Core W.C.

Sounding  
part

1 110 89 59.7

2 98

100 99 90 41.0

1 99 90.5 40.8

2 100 94 41.0

3 102 92.5 44.6

4 100 94.5 41.2

5 103.5 99.5 42.7

6 99 94 43.0

stubby

7 105 41.7  
- 0.5

101.7  
9 | 9150

9 | 395.70  
43.97

x

Stedding Lake

Course 2

1 111 106.5 431  
-1.5 -1.5

2 98 96 374

3 103.5 96.5 42.7  
-0.5 -0.5

4 100 95 119

5 97 90 40.4  
-0.5

6 87

rem. 87.5 83

87.5 80.5 360

6 | 594.5  
    99.1  
    ---  
    40.25  
    ---  
    aw. 42.11 ✓

x

4/4/20

99.1	40.25
101.7	43.77
200.8	84.22
100.4	42.11

4/5/20.

Meadow Lake

In open flat about  
2000 feet NW of Meadow  
Lake. Elev 7300' (\*)

to blazed tamarack.  
Measurements every  
50' beginning 50' from  
blazed tamarack at  
NE. end of course  
No. of Meas. 8.

Course 1.

From 30° lone bare  
tamarack blazed S.E. by  
to blazed tamarack. ~~blazed~~  
Measurements every 50'  
beginning 50' from  
lone bare tamarack. Total  
meas. 7

(\*) Elev taken from  
U.S.G.S map.

Course 2.

From blazed tamarack  
100' NE of most eastern  
snow gage across flat.

Meadow Lake  
Course 2.

Net Depth Core W.C.

1	97°	97°	42°
10-11	85° -1.5	88° -1.5	39.8
2	95°	74°	38°
3	101.5	96°	41.9
4	111° -0.5	107°	43.8
5	114° -0.5	91° -0.5	39°
6	109°	99.5	40.8
7	106.5	102.5	42°
8	105	101	43.5

April 5, 1920

ED REXBY  
Harry G. Cunningham

$$8 \overline{) 834.5} \begin{matrix} 104.3 \\ 834.5 \end{matrix}$$

$$8 \overline{) 331.70} \\ 41.46$$

av. 41.19

Meadow Lake  
Course 1.

Meas. depth circ. v.l.c.

1	91.5 -1.0	87 <del>82</del>	37.6
2	105 -1.5	93.5 -1.5	44.5
3	102	93	40.2
4	104 -1.5	92.5 -1.5	41.1
5	96 -2.5	95.7 -2.5	37.2
5 Repeat	95 -1.5	94.2 -1.5	37.6
6	100 -1.0	74 -1.0	39.2
6 Repeat	110 -0.5	95.5 -0.5	41.6
7	109 -1.5	104 -1.5	44.0

99.9  
716990 4/5/20

7) 286.40  
40.91

50' fr. N. Westerly tree

Then ca 50'

99.9  
104.3  
95.6

41.19  
40.91  
821.0  
41.05

End 1:05 PM

+81.5 from #7 to end of Course

Mail Box Flat

April 5/1920  
 F. J. P. W. W.  
 George Comstock

Mass Depth Core W.C.

1  $\begin{array}{r} 94.5 \\ - 2.5 \end{array}$   $\begin{array}{r} 78.5 \\ - 2.5 \end{array}$  42.7

2 89.0 84 37.5

3 75

re-M. 76 67 34.0

4  $\begin{array}{r} 90 \\ - 2 \end{array}$   $\begin{array}{r} 86.5 \\ - 2.0 \end{array}$  39.0

4) 3450.8625

4) 153.20  
 38.30