

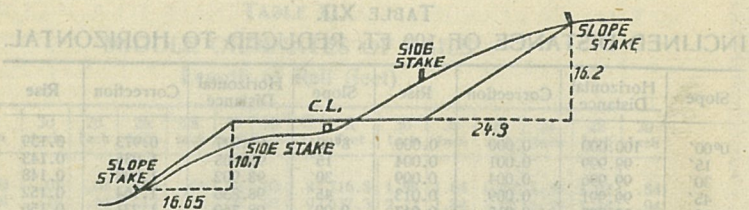
LAKE SURVEY'S WALKER DIST.

LAKE SURVEY

MINING
TRANSIT BOOK

CC

71



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

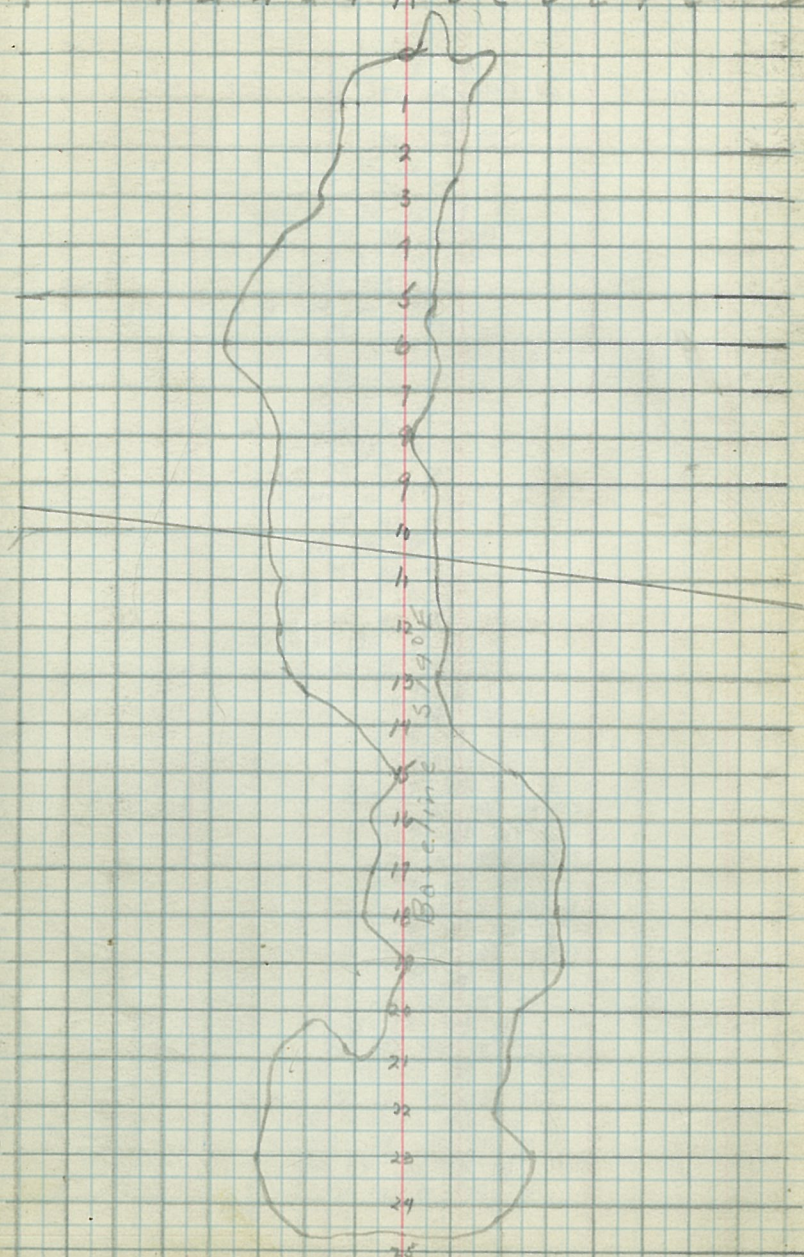
	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

Survey Notes of Stocking Lake

West Shore	Baseline	East Shore
0	0	1.75
2.60	1	2.77
2.88	2	2.22
3.97	3	1.78
5.38	4	1.95
6.82	5	1.03
7.23	6	1.02
6.00	7	1.06
5.13	8	0.17
5.30	9	1.09
5.52	10	1.17
5.07	11	1.38
5.09	12	1.91
4.81	13	1.65
2.00	14	2.00
0.28	15	9.64
1.68	16	6.66
1.18	17	6.96
1.89	18	6.55
0.00	19	6.96
0.76	20	9.82
5.18	21	4.29
5.83	22	4.00
6.00	23	5.40
5.50	24	4.95
	25	

See 30431-191-29

J I H G F A B C D E



Sounding notes on Stocking Lake

Baseline runs S 14° E

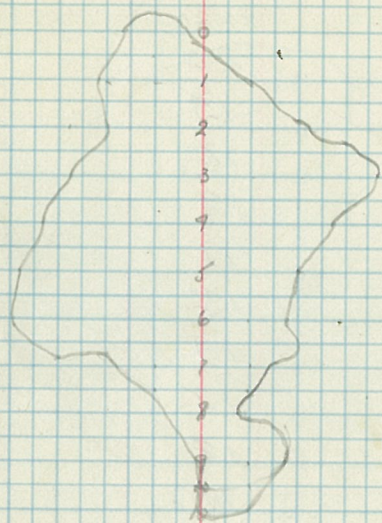
	J	I	H	G	F	A	B	C	D	E	
0											0
1					6	9	4				1
2					M	M	M				2
3					10	11	2				3
4					M	M	M				4
5					15	11					5
6					M	M					6
7					8	22	12	9			7
8					M	M	M	M			8
9					8	24	22				9
10					M	M	M				10
11					9	24	14	5			11
12					M	M	M	M			12
13					11	12	3				13
14					M	M	M				14
15					11	11	0				15
16					M	M	0				16
17					11	10	2				17
18					M	M	M				18
19					11	10	2				19
20					M	M	M				20
21					10	14	2				21
22					M	M	M				22
23					8	16	8				23
24					M	M	M				24
25					5	9	10				25
					M	M	M				
					9	2					
					M	M					
					6	7	5				
					FS	FS	FS				
					7	11	11	6			
					M	M	M	FS			
					7	13	11	5			
					M	M	M	FS			
					8	17	12	6			
					M	M	M	FS			
					7	21	13	5			
					FS	M	M	FS			
					8	24	11				
					M	M	M				
					9	5	8	19	4		
					M	M	M	M	FS		
					18	30	31	29	4		
					M	M	M	M	M		
					31	41	40	40	12		
					FS	M	M	M	M		
					14	19	17	24	4		
					M	M	M	M	M		

J I H G F A B C D E

Survey notes	Pin	lake
West shore	Baseline	East shore
3.12	100	0
4.38	1	2.00
7.00	2	4.33
5.58	3	7.15
6.78	4	5.60
7.76	5	4.00
7.72	6	3.91
3.41	7	2.99
1.77	8	1.66
0	9	3.99
0	10	2.00

Baseline runs Nor. on Sec. line

Sec. 25-191-30 + 30-191-29



G	F	E	D	C	B	A	D
	3	0					0
		5					1
1	10	12	2				2
	3	M	5	S			3
		12	17	10	1		4
			M	M	M	M	5
		15	30	16	9	5	6
		E	M	M	M	M	7
3	9	18	30	29	12		8
	C	C	M	M	M	M	9
	9	9	20	27	15	1	10
	C	C	M	M	M	M	
	10	5	H	M	16	13	
	C	E	M	M	M		
		11	15	11			
			M	M	M		
			10	0			
				M			
			5	6			
				M	M		
			0				
			S.L.				

Survey Notes of Rice Lake

Sec 20-142-30

West shore

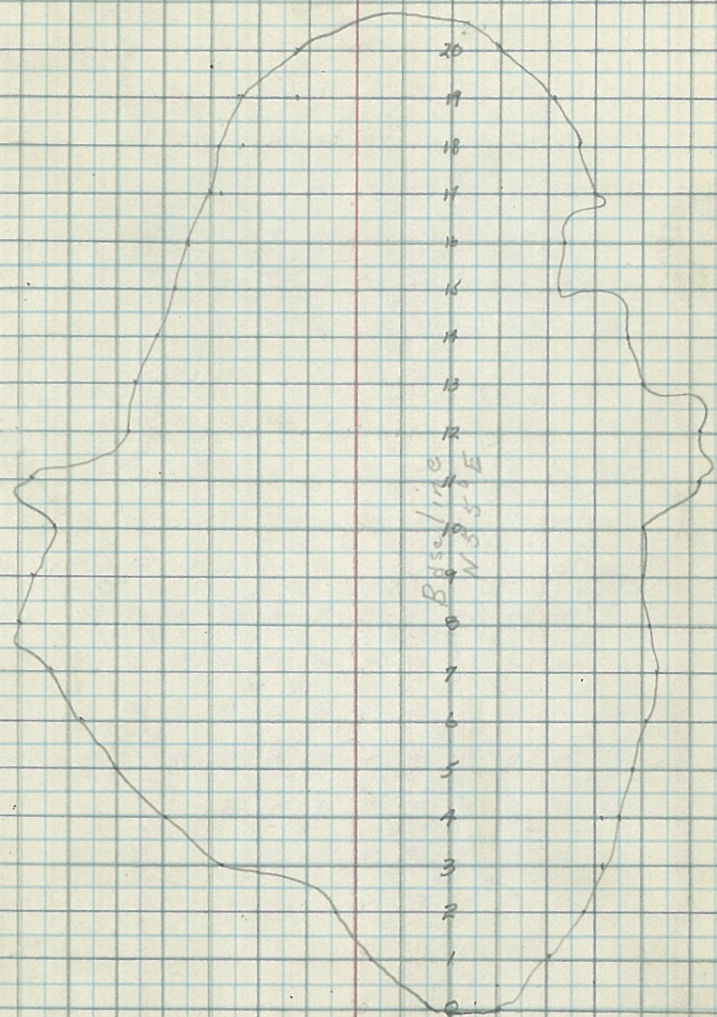
Baseline

East shore

J I H B F E D C B A K L M N O

West shore	Baseline	East shore
	21.20	
6.50	20	2.00
8.75	19	4.10
9.60	18	5.15
10.00	17	6.00
11.00	16	7.63
11.75	15	7.50
12.20	14	7.42
13.20	13	8.00
13.40	12	10.30
17.60	11	10.25
16.65	10	8.00
17.50	9	8.00
18.00	8	8.20
16.89	7	8.50
15.65	6	8.02
14.00	5	7.75
12.00	4	7.00
9.76	3	6.30
7.93	2	5.50
3.61	1	4.00
1.00	0	2.00

Baseline runs N 55° E



	J	I	H	G	F	E	D	C	B	A	K	L	M	N	O	
20						1	2	3	3	2						20
19						M	M	M	M	M						19
18						2	3	2	3	3	4	3				18
17						M	M	M	M	M	M	M	M	M		17
16						2	2	2	2	3	3	2	3			16
15						M	M	M	M	M	M	M	M	M		15
14						3	1	2	2	3	4	2				14
13						M	M	M	M	M	M	M	M	M		13
12						2	3	4	3	3	4	4	3			12
11						M	M	M	M	M	M	M	M	M		11
10						3	3	3	4	3	4	4	3	3		10
9						M	M	M	M	M	M	M	M	M		9
8	0	1	2	1	1	2	2	3	4	4	4	4	4	3	1	8
7						M	M	M	M	M	M	M	M	M		7
6						1	1	3	4	4	3	4	3	5	2	6
5						M	M	M	M	M	M	M	M	M		5
4						0	3	3	3	3	3	3	3	3	2	4
3						M	M	M	M	M	M	M	M	M		3
2						2	2	3	4	3	3	3	1			2
1						M	M	M	M	M	M	M	M			1
0						0	2	3	4							0

J I H G F E D C B A K L M N O

LEVELS - GIRL LAKE to LONG LAKE T141-R29
(Run with County Transit)

June 15, 1938

Steadland T
Sasse } Rod

Sta	+	H.I.	T.P.	-	Elevation
BM	8.05	108.05			100.0
B.M.				6.73	101.32
T.P.	7.70	111.55	4.20		103.85
T.P.	7.49	115.50	3.54		108.01
T.P.	4.04	115.41	4.13		111.37
B.M.				4.06	111.35
T.P.	3.92	112.68	6.65		108.76
T.P.	6.43	113.91	5.20		107.48
T.P.	6.12	117.47	2.56		111.35
T.P.	4.44	115.73	6.18		111.29
B.M.				3.28	112.45
T.P.	3.74	114.67	4.80		110.93
T.P.	4.83	114.29	5.21		109.46
T.P.	6.86	120.84 120.94	0.31		113.98
T.P.	6.03	125.86 125.99	1.01		119.83
T.P.	1.41	115.59 115.92	11.68		114.18
T.P.	2.31	107.15 107.28	10.75		114.31
B.M.			8.23		104.84
					101.97
					98.92
					99.05

Elev of Girl Lake - 6-15-38

Top of Concrete dam -



Nail in 10" W.P. on E. side Hy. #84 - Trail to East }
First Road N. of Longville.



Top of 2' I.P. - Co. Corner E 1/4 ^{S 27} S 34 T141-R29

Elevation of Long Lake.

CHECK LEVELS - LONG LAKE TO GIRL LAKE TWIN-RIVER

June 15, 1938

Steadland T
Sasse } Rod.

Sta.		H.I.	T.P.		Elev.
B.M.	8.23	107.25 107.15			98.92 99.05
T.P.	10.36	115.98 115.85	1.66		105.49 105.62
T.P.	6.43	121.31 121.18	1.10		114.75 114.88
T.P.	0.85	114.69	7.34		113.84 113.97
T.P.	6.15	115.74	5.10		109.59
T.P.	5.48	116.83	4.39		111.25
T.P.	3.46	117.60	7.69		109.14
T.P.	6.76	115.69	3.67		108.93
B.M.	—	—		4.32	111.37
T.P.	3.30	115.37	3.62		112.07
T.P.	1.64	108.44	8.57		106.80
B.M.				7.10	101.34

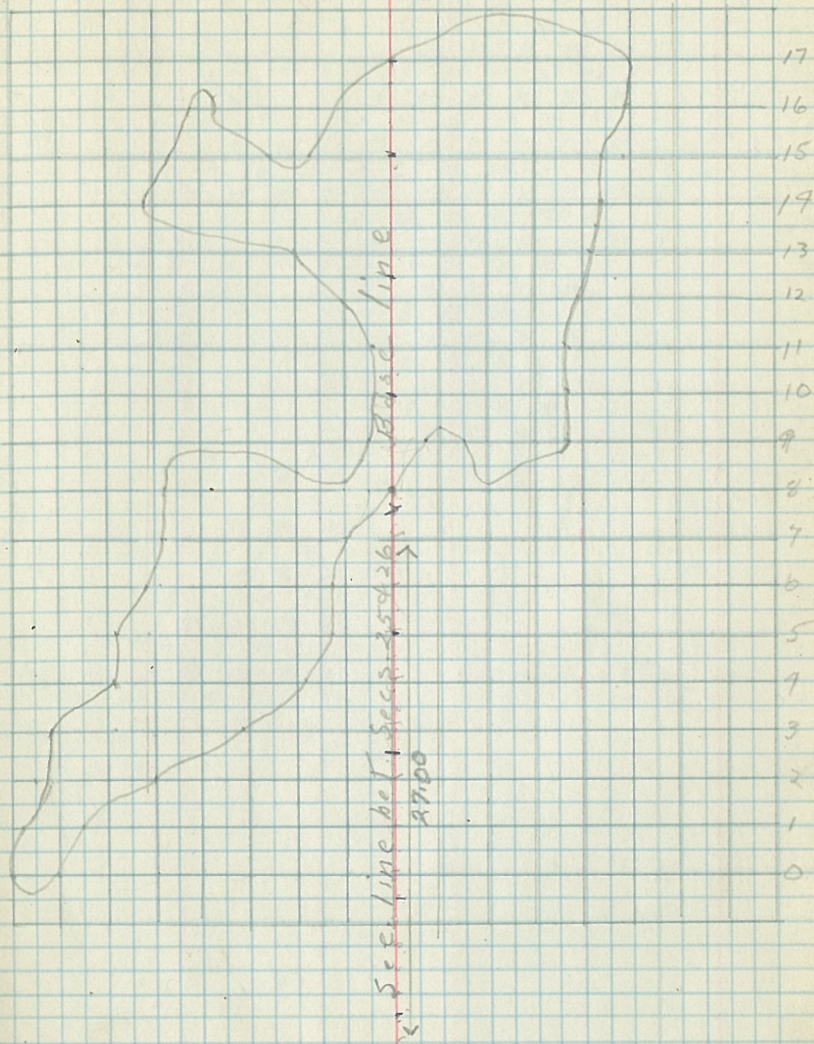
Elev. of Long Lake - 6-15-1938

Nail in W. Pine (See Page)

Top Conc. Dam - Girl Lake - (See page

West shore	Survey Notes	Baseline	?	lake	East shore
0		17			1000
850	720	210	16		980
910	500	375	15		883
1040			19		856
800			13		840
200			12		785
75			11		755
75		10	10	300	740
100		9	10	300	740
970		8	9		0
990	200	7			
1030	250	6			
1175	240	5			
1180	390	4			
1410	610	3			
1500	1100	2			
1580	1300	1			
1610	1400	0			

See-25+26-191-30



26 25
35 36

191-30

L K J I H G F A B C D E

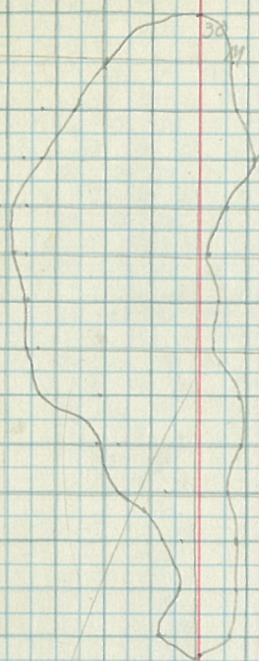
								0	3	11	6	3		17
									M	M	M	M	M	
							5	5	12	19	23	10		16
							M	M	M	M	M	M		
							3	5	10	11	15	21	22	4
							M	M	M	M	M	M	M	15
							1	4	6	11	15	21	27	3
							M	M	M	M	M	M	M	14
									10	28	26	25	20	2
									M	M	M	M	M	13
									16	24	29	15		12
									M	M	M	M		
									8	15	14	6		11
									M	M	M	M		
									6	5	6	6		10
									M	M	M	M		
									2	0	8	2		9
									M	M	M	M		
									4	3	2	1		8
									M	M	M	M		
									5	4	2			7
									M	M	M			
									5	5	4			6
									M	M	M			
									4	3	4	3		5
									M	M	M	M		
									4	3	4	1		4
									M	M	M	M		
									2	2	2	2		3
									M	M	M	M		
									1	3				2
									M	M				
									2					1
									M					
									0	0				0

Survey Notes

D	0	0
400	1	105
510	2	195
660	3	210
720	4	100
770	5	35
715	6	70
705	7	55
680	8	185
710	9	190
365	10	105
160	11	150
105	12	145
199	13	107

2775

E D C A B



0
1
2
3
4
5
6
7
8
9
10
11
12
13

Sounding Notes

	E	D	C	A	B		
0						0	
1			35	70		1	
2			S	M		2	
3			35	70	37	3	
4			S	M	3	4	
5			22	45	75	58	1
6			M	M	M	M	M
7			36	75	72	35	
8			S	M	M	S	
9			35	68	70	20	
10			S	S	M	C	
11			20	50	65	29	
12			S	M	M	S	
13			23	54	61	20	
14			S	M	M	M	
15			30	42	58	34	
16			M	M	M	M	
17			20	46			
18			S	M			
19			40	35			
20			M	M			
21				32			
22				16			
23				M			
24				S			
25				M			

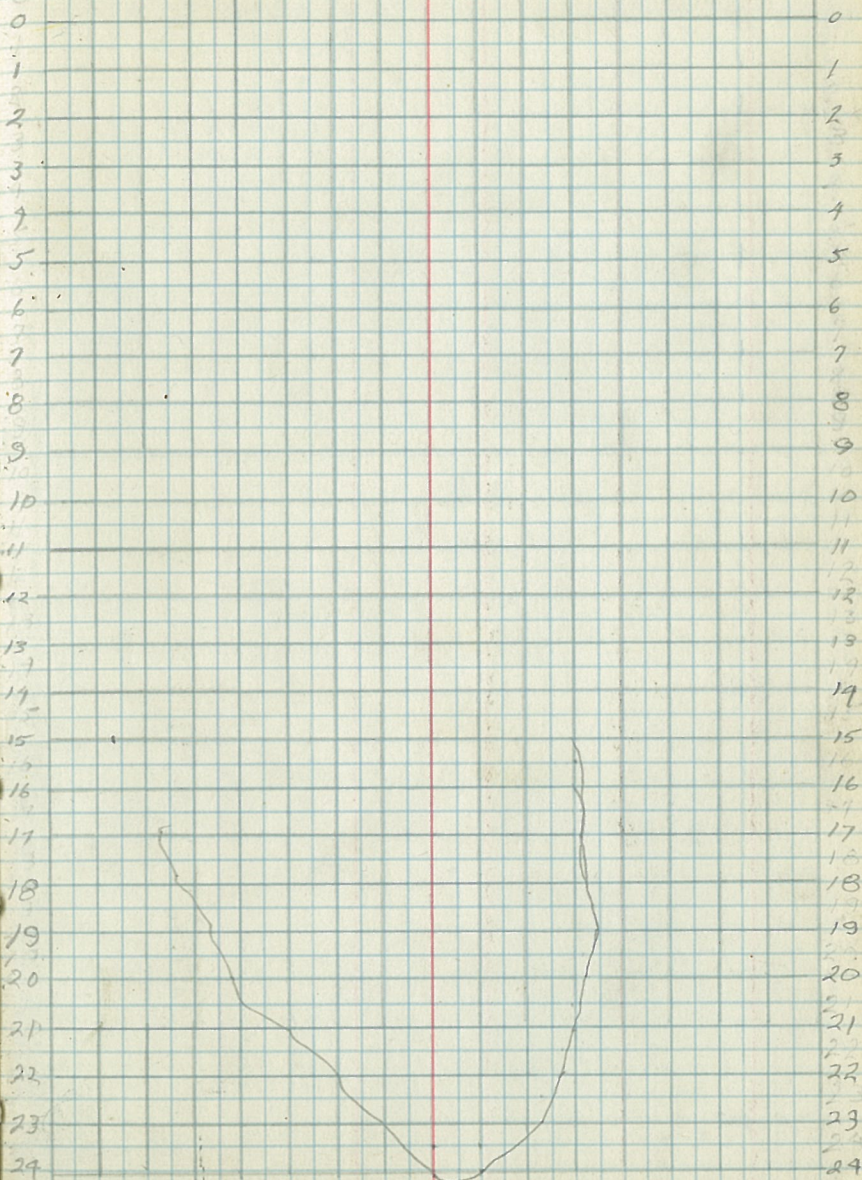
Survey Notes Cedar Lake
West shore East shore

	0	
	1	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
	11	
	12	
	13	
	14	
1365	15	600
	16	6.25
1145	17	6.45
10.75	18	6.55
9.30	19	6.85
8.50	20	6.30
600	21	5.90
400	22	5.30
200	23	1.50
8	24	200

7800

Baseline runs $517^{\circ}E$

M L K J I H G F B C D E F



Sounding Notes Cedar Lake

2

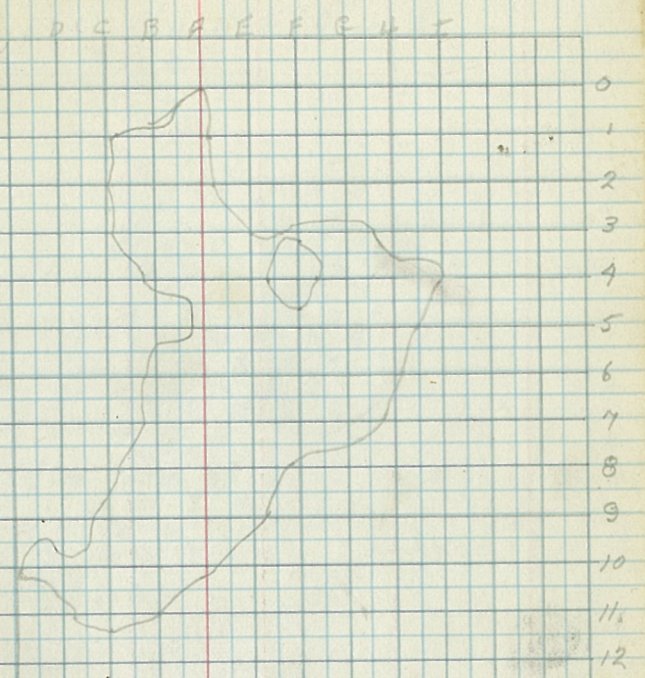
M L K J I H G A B C D E F

0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24

0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24

M L X J I H G A B C D E F

West	Survey Notes		million	Lake	East
			0		25
390			1		25
390			2		95
383			3	200 315	725
235			4	69	1000
50			5		900
225			6		830
235			7		785
360			8		380
465			9		255
780			10		90
585	200		20.35ch		



	D	C	B	A	E	F	G	H	I	
0										0
1			5	7						1
2			10	5						2
3			11	5	S					3
4			M	C	0	6	5			4
5			7	4	17		15	8		5
6			M	M	S		S	S	0	6
7					5	18	14	23	17	7
8					S	M	S	S	S	8
9					10	21	23	19	4	9
10					6	12	16	18	9	10
11					S	S	M	S	S	11
12					8	17	18			12
					9	9	S	M		
					7	18	12	11		
					M	M	S	M		
					9	14	20	4		
					S	M	S	S		
					5	5	0			