

Simmonson 9-39-4

OLDFLDBK 103

INDEX

Pg/Pgs	Sec	Tand	RANGE
1-17+26-52	9	39	4
18-25	16	39	4

# KEITH'S RAILROAD CURVE TABLES.

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## HOW TO USE KEITH'S TABLES.

### EXAMPLE.

Wanted a Curve with an Ext. of about 12 ft. Angle  
of Intersection or I. P. =  $23^{\circ} 20'$  to the R. at Station  
542+72.

Ext. in Tab. IV opposite  $23^{\circ} 20' = 120.87$   
 $120.87 + 12 = 10.07$ . Say a  $10^{\circ}$  Curve.

Tan. in Tab. IV opp.  $23^{\circ} 20' = 1183.1$   
 $1183.1 + 10 = 118.81$ .

Tab. V. correction for A.  $23^{\circ} 20'$  for a  $10^{\circ}$  Cur. = 0.16  
 $118.81 + 0.16 = 118.47 =$ corrected Tangent.

(If corrected Ext. is required find in same way)  
Ang.  $23^{\circ} 20' = 23.33^{\circ} + 10 = 2.3333 =$ L. C.

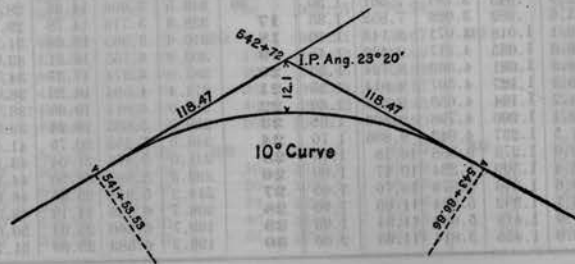
$2^{\circ} 19\frac{1}{2}' =$ def. for sta. 542	I. P. = sta.	542+72
$4^{\circ} 49\frac{1}{2}' =$ " " " +50	Tan. =	118.47
$7^{\circ} 19\frac{1}{2}' =$ " " " 543	B. C. = sta.	541+53.53
$9^{\circ} 49\frac{1}{2}' =$ " " " +50	L. C. =	2.33.33
$11^{\circ} 40' =$ " " " 543+	E. C. = sta.	543+86.86
86.86		

$100 - 53.53 = 46.47 \times 3' =$ (def. for 1 ft. of  $10^{\circ}$  Cur.) = 139.41' =  
 $2^{\circ} 19\frac{1}{2}' =$ def. for sta. 542.

Def. for 50 ft. =  $2^{\circ} 30'$  for a  $10^{\circ}$  Curve.

Def. for 36.86 ft. =  $1^{\circ} 50\frac{1}{2}'$  for a  $10^{\circ}$  Curve

(These tables are published in Field Books of  
KEUFFEL & ESSER Co., New York, N. Y.)



#R29947

Sec. 9 - 39 - 4 E.

Simonsen Properties in SE  $\frac{1}{4}$  9  
by Walter Kaye - attorney

Survey of Govt Lot 3 and the  
north 44.80 A. of Govt Lot 4

Oct. 29<sup>th</sup> 1930

H.C. Ray + Marshall - Crossing.  
Rent boat at Stevens + look for Orig  
MC #28 (on \$9). Many Y. pine stump  
remains are left on the reef between the  
log and the sand beach. Not enough left  
to have any iron marks.

Look for Orig MC #27 (on 40 16) - nothing  
Pace South with PC + look for Orig  $\frac{1}{4}$  S  
find no line evidence. At Rec. South there  
are many hemlock stumps but all badly  
rotted. no sign of a corner. Continue S. + find  
old squared up cedar and some oak post  
for SW cor 16. Hard to say whether orig.  
or not.

✓

2

November 14<sup>th</sup> 1930. Overcast 50°  
1 PM. H.C. Ray + Marshall Hall  
County Transit (Gurley)

Identify Orig. SE corner of Sec. 9 as set  
by C.D. Vaughan in swamp. Stumps check  
OK. no iron marks left.

Set up on C.D. Vaughan line (W) with transit  
set on 1°52' E var. (1930 reduction from Govt. Rec.)  
(this course varies 0°50' N. of C.D.V. line)

Chain W<sub>4</sub> on C.D.V. line from Sec. Cor.

10.00 leave swamp.

10.75 P.S.  $\frac{10.75}{.07}$  10.68

11.00 hub.

17.57 E of Road NW+SE.

20.00 hub in a random found using S.

20.52 tally stake found.

28.25<sup>5</sup> hub

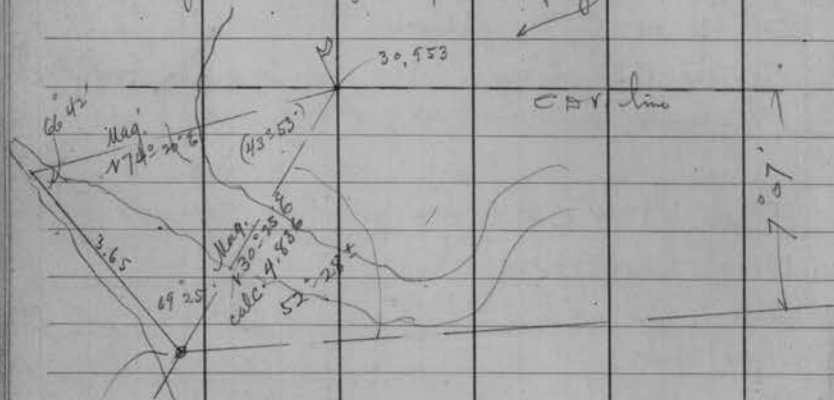
28.98<sup>7</sup> Post-center Swamp. hub along side C.D.V. post.

30.95<sup>3</sup> hub out on marsh (north of creek mouth)

✓ 1.971 = 130'

We go over on sand spit dividing  
marsh + lake and South of mouth of creek  
as shown on Govt. plat and find  
remains of many W. + Y. Pines.

Two in particular fit the course + dist for MC  
as returned in Govt Notes. Drive temp hub  
& triangulate roughly to sta 30.953.  
Var. arc. set on  $2^{\circ}42'$  to agree with random.  
Did not go back to get def. c at flag.



$$\therefore \text{West } 30.953 =$$

$$S30^{\circ}25'W \quad 4.836 =$$

$$\begin{array}{r} .9923 \quad 33.40 \quad 33.66 \\ (\cos 7^{\circ}07') \quad 33.22 \text{ Rec} \\ \hline .44 \text{ Long.} \end{array}$$

$$\begin{array}{r} 7^{\circ}42' \\ 9^{\circ}47' \text{ G. Var.} \end{array}$$

<u>S</u>	<u>W</u>
30.953	30.953
4.17	2.448
4.17	33.401 =
$12485 = \tan 7^{\circ}07'$	
" x 20 =	2496 S
" x 17.57 =	2.193
" x 11. =	1.373





November 19<sup>th</sup> 1930 Wednesday. mostly fair

Same party.

Search for Iron Pine at NE ex 9 (noted by C.V.V.)

Both orig bearings are there, only the NW one is  
 from 40° (line) instead of W. Pine

SE on in stump. Drive maple peg at 46 N38W.

from SE " (V 2° E) 7-5 This makes dist to

facing? of NW tree about .22 but comes in C.V.V.'s

random W. + makes NW tree N70W (OK)

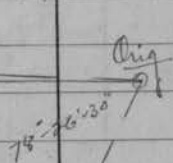
@ 30.73 def. + R. to cor. 6.869 ch.

① 6°-28' ② 12°-54' ③ 19 20 30 (6°-26'-58")

Rev ① 12°-04'-20" ② 12°-52'-30" ③ 19 18 30 (6°-26'-10")

6°-26' 1/2 ✓

Random  $\int$  N88°-29'-15"W  
 1189°-33'-35"W 17.511



Sin. 11212  
 Cos. 983693

$\times 6869 = \begin{cases} .770 \\ 6.826 \end{cases}$

88 29 15  
 1 04 20  
 89°-33'-35"

@ 37.556 at E to Cor.

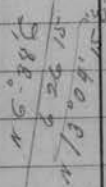
.770

= .02050

Tan 12°-10'-30"

cos. 94979

Machine 37.564



Went on 4-9 from my plug at orig NE ex. following  
 random found. + S to W of trans (sta 30-73)

① 78°-28'-30" ② 156°-54" ③ 235°-20'-30"

78°-26'-30"

④ 313°-46" 78°-25'-30"

var. 3° E.

should be 2°-32'  
 according to C.V.V.  
 (his random).

4.27' hub

11.00 "

14.688 "

+ .182

14.870 "

5 14°-15'-35" W.  
 + 78°-26'-30"  
 42°-42'-00"  
 119°-6'-00"  
 187°-18'-00" d.  
 one Random  
 44"

def. + Left to loc. old orig M.P. Secs 47 E side  
 2.658 ch.

① 7°-05' ② 14°-10'

Sin. 12331 = .328  
 Cos. 91237 = 2.638

C.V.V. "Dime" cannot be found but the Saw stub  
 is (as he says, a hemlock), with the scribe marks!  
 Apparently this is where it stood - now tipped over.  
 We drive temp peg, 3' S of dock.

Stack on N side 3". N88 E. P.C. 43.7

" " W " 9" brich S10 W. " 2574

.554







@ Sta 17.00 on CDV random  $\Phi$  (page 2)

Az W. =  $27^{\circ}-20'$

Thence 196.55 = 3.00 ch To N. bank creek

(@ E. edge bridge)

Thence  $\left\{ \begin{array}{l} 99^{\circ} \\ 288^{\circ} \end{array} \right.$  genl course N bank  
1.00  $\pm$  to head S<sub>4</sub>

22.38 / 2.52 (1176) -  $\tan 6^{\circ}-25'$   
+ 88 42

@ 22.38 on CDV. line

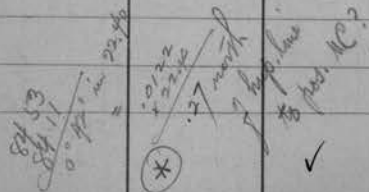
S at  $90^{\circ}$

1.55 creek - continues same course 1/2 ch  $\pm$

2.52 ch blaze (\*)

95 01  
139 60  
584.53 W

very odd & icy - leave for Rhd. 3 AM



Chasing LW 9 + 16

December 11<sup>th</sup> 1930 30° Snowing  
 HC. Ray & Marshall (AM only)  
 Square off E. from where MC # 27  
 should be (could not find it) and meas. S.  
 on ice (Rec.) 3258. Look again for  
 1/4 S bet. 16 + 17. No signs of any use  
 made of this corner. Plenty of hemlock  
 remains but nearly all of timber was old  
 windfall. Can not identify 1/4.

Go to Orig MC # 25 + meas.  $.56\frac{1}{2}$  S by from  
 CDV's Pine stump (marked 1924) + set point  
 in line of fence. This checks OK with .12  
 from remains of small hem. (post). This  
 pt was OK 3 yrs ago when HC + Marshall  
 were here. Course to this stump reads N 75 W ±  
 but dist to other hem. remains checks OK.  
 Drive line hub in lake bottom at MC which  
 is about .10 from shore.

Snowing too hard to see to run lines.

✓

LW 9 + 16

December 12<sup>th</sup> 1930 Overcast 25° 35°  
 HC. Ray + Marshall all day

Run South from Orig 1/4 S between 8 + 9  
 along E side of fence after setting flag on line <sup>(31, 736)</sup>  
 on E side lake low .02 just N. ↓  
 turn + E to S at point .02 N of 1/4  
 @  $93^{\circ}-39\frac{1}{2}'$  @  $187^{\circ}-19'$  @  $93^{\circ}-39\frac{1}{2}'$

ch  
 0.0 1/4 S.

10.86 S. end of fence (in water's edge)  
 11.07' fall .01 E of plug set by orig stumps for  
 MC # 25  
 (Var. read on ice - this line here - reads  $1^{\circ}-21'E$ )

Bearings for MC # 25 (V.  $4^{\circ}-16'E$ )

W. Birch	7°	N 86 $\frac{1}{2}$ ° W	.41 <sup>5</sup>
Orig stp		N 75° W	.12
C.D.V. Pine stp.		N 9° W	.56 <sup>5</sup>

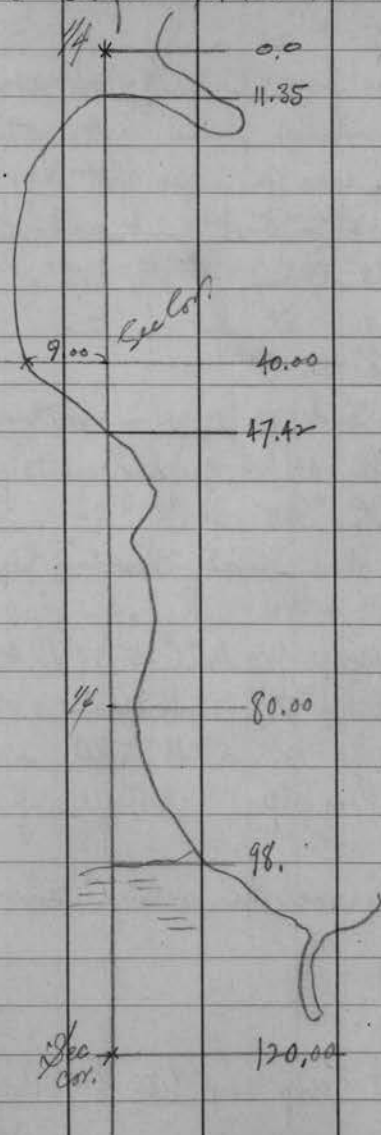
Continue S. over ice same course same random

40.00 set Kemp cor lies 8-9 + 16-17 in ice  
 just W. of island

— continue on page 20 —

✓ ✓

## Diagram of Cont. Rec. Meas.

S. from  $\frac{1}{4}$  S. lot 879

Continued from page 18

@ 22.00 Turn L E to S Sighting on our hub  
 @ 30.953 on Clayton E 9 (page 2 + 3)  
 @ 70 = 12' @ 140 = 23 1/2'

@ 47.00 Turn L N to E to do (N 78° 35' E with  
 @ 76 = 02 1/2' @ 152 = 04 1/2' 1° 16' E. m.

47.95 shore — br E + SW. W  
 48.825 drive spike in line on 9" W. Pinch stump (2.721)  
 .87 to mark random

52.00 hub (2.769)  
 54.80 " (2.812)

@ 56 1/2 bay bears E 1 3/4 ch ± (Gov. meanders show .66 ±)

64.05 hub (2.954)

67. bay bears E for 5 ch — meaning island on shoal (probable meander Govt meanders show 4.00 location 1865)  
 (3.077)

72.10 hub  
 HC finds old blaze @ 70? + .12 W of our line ±

79.00 hub + quit for night  
 — To Rhinelanders

✓ (Correct W. = 0° 52 1/2' + 2.573  
 (.01532))



$$7.773 \times \sin 38^\circ 37' = 3.722$$

$$\cos = 6.823$$

$$\therefore 111.01$$

$$\frac{6.823}{117.833} \text{ rt } \angle \text{ W to flag } 3.722 \text{ ch.}$$

Note - This old squared cedar looks as old as the U.S. survey + has been used as the corner.  $\angle$  Creek brs.  $\angle$  8.00  $\checkmark$  + old blazes E. line up.

There are two rotted stumps right near the cedar which must have been the orig. we set dry cedar stake at rec dist from them.

She fir brs S 50 E .10  
cedar S 60 W .07

(Our stake is N 50 W of flag .07)  
Correcting for this " we have

$$117.79 \text{ rt } \angle \text{ W to Corner } 3.777 \text{ ch.}$$

$$- 11.07$$

$$106.72 \text{ ) } 3.767 ( .03529 = \tan 2^\circ 01' \cos = .99938$$

$$= 106.786 \text{ from } \text{MC}$$

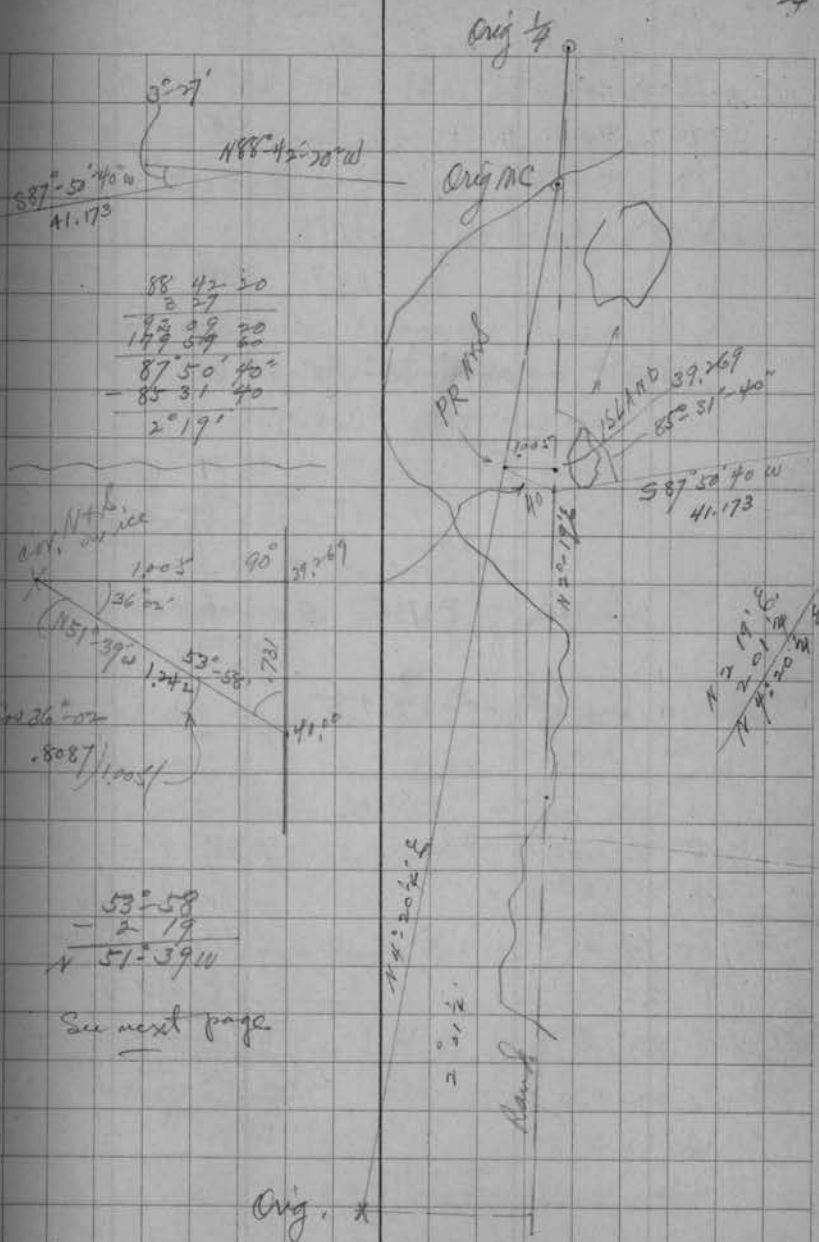
in st. line

$$106.786$$

$$+ 11.971$$

$$= 117.857 \text{ M.}$$

$$= 39.286 \text{ per } \frac{1}{2} \text{ mile.}$$



from S&E		N	S	E	W
1. 1 88°-42'-20" W	30.953	.699			30.945
S 8.7 50 40 W	41.173		1.549		41.144
N 51°-39' W	1.242	.771			.974
		1.470	1.549		73.063
			$\frac{1.47}{.079}$		
		= .00108 tan $\alpha = 02' - 40''$			

73.063  
 = S 89°-56'-20" W.  
 + CBV 88 42 20 W  
 178 34 80  
 1-21 20 S CBV

in 3/4 ch = .735 @ creek mouth.  
 S of CBV.

Calc for line bet. Lots 4 + 5  
 (#1)

~~S 88°-40'-30" W 7/8 line~~  
~~S 90 05 50 W~~  
~~178 15 80~~  
~~89 22 70~~  
 S 89°-23' W

N 88°-42'-20" W.  
 7 06 10  
 95 48 30  
 179 54 40  
 S 84°-11'-30" W  
 S 88 40 30 W  
 172 52  
 S 86°-26' W

41.173  
 30.953  
 72.126  
 + 39.715  
 111.841

\$ Sec. 9-39-4

Dec. 17<sup>th</sup> 1930 10° 20° Fair  
 H.C. Ray & Marshall all day.  
 Our private N + S on LW (1.005 W of 39.269)  
 falls W. of small island so check in at 40.00 Rank.  
 @ 40.00 stake in ice (page 18) turn L to sta  
 30.953 on CBV (page 2) N to E.  
 @ 85°-32' @ 171°-03'-30'

Meas <sup>ely</sup> B4 on this line

0.0 = sta 40.00 on rank 40  
 1.00 to 200 over S. tip of island  
 2.842 Picket  
 36.00 tip of sand spit S of creek mouth.  
 39.30 over " " (bog)  
 41.173 to hub 30.953 + turn def =  
 N to SW to 40.00 @ 10°-21'  
 30°-27' ✓

sta 40.00 on 4<sup>th</sup> Rank. bus S 87°-50'-40" W

@ 30.953 turn def = Left to Orig<sup>l</sup> MC on sand spit.  
 @ 59°-32' ✓ @ 119°-05' 4 meas. dist  
 4.83 ch.

(See pages 2 + 3) =  $\frac{2204.5}{33401} 4.163 (1.2464 = \tan$

N 88° 42' 20" W  
 7 06 10  
 95 48 30  
 179 54 40  
 S 84° 11' 30" W

5°-51' between on S + CBV  
 7°-06' ✓  
 99232  
 ✓ 2221.4

E-W  $\frac{1}{8}$  line in NE  $\frac{1}{4}$ 

My calc. course for " to be intermediate  
between  $\frac{1}{4}$  line + 4th E lake is  $S89^{\circ}33' \frac{1}{2} W$ .  
on  $\sim 82^{\circ}55' \frac{1}{2}$  S to W. off Random  $\&$  NE  $\frac{1}{4}$

I line up pickets found on CDV's  $\frac{1}{8}$  line which  
agree with N  $\frac{1}{8}$  on  $\&$   
find  $\sim$  St W to be  $83^{\circ}25'$   $166^{\circ}50'$   
 $82^{\circ}55' \frac{1}{2}$   
 $\therefore 0^{\circ}29' \frac{1}{2}$  too far NWly

Pending slope meander checks + on account of  
thick blashing S of line we run thru  
on CDV's line.

0.0	8S	OK	
.39	Intersect in with random		$\frac{16.443}{12.777} = 1.286$ $\frac{1}{1.286}$ $\frac{1}{1.286}$
1.299	hub		
2.82	$\&$ Road NE + SW		
9.96 <sup>3</sup>	hub	Reads $S89^{\circ}55' W$ (with $4^{\circ}16'$ E var.)	
13.00	$\&$ Creek (SWly)		
15.00	N. edge "		
16.70	leave bottom SW		
17.777	hub	$\rightarrow 18.00$ $\frac{1}{1.286}$ $\frac{1}{1.286}$	
19.358	S end of fence		
24.00	N. shore creek again -	parallels line 2 rods S. (to lake)	
31.00	shore + drive hub		

$$\begin{array}{r} 89^{\circ}33'30'' W \\ 16'28'' \\ \hline = 82^{\circ}55'30'' \end{array}$$

$$\begin{array}{r} 56 = 38' W \\ 83 25 \\ \hline 179 23 \\ 179 60 \\ \hline = 89 57' W \text{ clayton's line} \\ \text{Si} \\ \text{EWS } .00087 = 1.8'' \end{array}$$

$$\begin{array}{r} 1228.14 \\ 1.8 \\ \hline 1229.9 \end{array}$$

$$\begin{array}{r} 31.00 = 2046' \\ - 168.5 \\ \hline 1877.5 W \\ = 29.9'' \end{array}$$

SOUTH V

hub at 31.00

calc course  $S89^{\circ}33'30'' W$ 

$\rightarrow$  Correct S.  $\frac{1}{8}$   $.00490 = 0^{\circ}16'50''$   
See page 43

Clayton's line =  $N89 57' W$ .  
calc (page 41)  $S89 46' \frac{1}{2} W$   
 $179 43 \frac{1}{2}$   
 $179 60$   
 $0 16' \frac{1}{2} S$  of Clayton.  
in 31 ch = .15 ch.

If Clayton's line hooked up with  
N  $\frac{1}{8}$  on 4th course would be  $S89^{\circ}51'40'' W$ .

N  $\frac{1}{8}$  lineN  $\frac{1}{8}$  lineN  $\frac{1}{8}$  line

1239.6

1245



## Meander Line

lots 4 &amp; 5

→ (See Page 49 for correct)

December 19th 1930 Overcast. snow. 30°

H.C. Hall, Ray &amp; Keith 10: 3:30

Beginning on E & W  $\frac{1}{4}$  line 31.756 8ly from W  $\frac{1}{4}$ 

= 1° S of hub at waters edge.

Sight E = Az 88°-40' 30" (var 4°-16'E)

Az.	Course	Mag.	feet
① 118°-26'	S61°-34'E	S61 $\frac{1}{2}$ E	100.
@0			
191°		= N end point on lot 8	
② 104°-19'	S75°-41'E	S75°E	200.
@1			
196°-50'		= N end " "	
③ 113°-00'	S67°E	S67E	360.
@2			
203°	= Sand " "		
④ 126°-29'	S53°-31'E	S53 $\frac{3}{4}$ E	225.
@3			
10°	one 13 bldgs.		
⑤ 139°-07'	S40°-53'E	S41E enters swamp. road 20' N	170.
@4			
222°	= Sand point on lot 8		
⑥ 164°-49'	S15°-11'E	S15°E	210.
⑦ 153°-29'	S26°-31'E	S26 $\frac{1}{2}$ E	280.
			1545.

N

## Meander line - continued

December 20th 1930 Overcast 20° 25°  
H.C. Ray & Keith.

## Resume Traverse

@7 239 $\frac{1}{2}$ ° = pt #2 across lake

Az.	Course	Mag.	feet
⑧ 160°-33'	S19°-27'E	S19°-10'E	200.
⑨ 180°-22'	S0°-22'W	S0°-20'W	230. <sup>@142</sup>
⑩ 198°-03'	S18°-03'W	S18°W	270.
@10 259°		pt #2	
299 $\frac{1}{2}$		" #1	
⑪ 212°-16'	S32°-16'W	S32°-10'W	175.
⑫ 225°-08'	S45°-08'W	S45°W	260.
@ 202.5'	Intersect line of fence		
	(Mag. course of " = S88 $\frac{3}{4}$ °E)		
⑬ 238°-01'	S58°-01'W	S57°-50'W	320.
@13 329 $\frac{1}{2}$ °		pt #1	
277°-50'		" #2	
⑭ 204°-21'	S24°-21'W	S24°W	380.
	by above @ 240' swamp bay 60 40' 8ly		
⑮ 162°-51'		spike 120.	
125°-45'	S54°-15'E	S54°-10'E	184.8
	to hub 30.953 on C.R.'s E		
@ 30.953			
271°-27 $\frac{1}{2}$			
271°-17 $\frac{1}{2}$			
0°	10' error		
		248°-53' etc 0	
		falls 46' N of point S. creek	

Dec. 20<sup>th</sup> PM
 $30.953$  hrs  $168^{244}$  <sup>348 03</sup> out ✓
Meander shore Nly from  $\frac{1}{4}$  line.

O.P. = 1° S of tack in hub @ 31.736 ch.

- |   |                                  |           |       |         |
|---|----------------------------------|-----------|-------|---------|
| ① | 320°-54'                         | N39°-06'W | N39W  | 60. ft. |
| ② | 346°-53'                         | N13°-07'W | N13W  | 70.     |
| ③ | 23°-07'                          | N23°-07'E | N23E  | 100.    |
| ④ | 3°-43'                           | N3°-48'E  | N4E   | 190.    |
|   | @ 50' leave solid ground         |           |       |         |
| ⑤ | 346°-09'                         | N13°-51'W | N14W  | 270.    |
|   | @ 210' point for dock for NW     |           |       |         |
|   | ⑤ 227° " + cor. g. 35 feet.      |           |       |         |
| ⑥ | 78°-07'                          | N78°-07'E | N78E  | 155.    |
|   | @ 65' dock from front door lodge |           |       |         |
| ⑦ | 61°-47'                          | N61°-47'E | N62E  | 180.    |
|   | @ 30' shore 10' in               |           |       |         |
|   | ⑧ 27½° point on lot 2 →          |           |       |         |
|   | 36½ bay                          |           |       |         |
|   | ⑨ 22¾° point                     |           |       |         |
|   | 32½ bay                          |           |       |         |
|   | Mag                              |           |       |         |
| ⑩ | 103°-12'                         | S76°-48'E | S77E  | 170.    |
| ⑪ | 39°-40'                          | N39°-40'E | N39½E | 100.    |
| ⑫ | 23°-39'                          | N23°-39'E | N23¾E | 265.    |
| ⑬ | 48°-16'                          | N48°-16'E | N48½E | 200.    |
| ⑭ | 334°-10'E                        | N35°-50'W | N36W  | 110.7   |

@ 15' creek

 @ 31.00 ⑮ CDV's line E = 90°-01  
 should be 90°-03 ✓ ✓

 To hub 31.00 on  
 CDV's line

## North line Sec 9

December 22<sup>nd</sup> 1930 Overcast 20°  
Ray, Keith + Marshall. 7:30 to 3

Follow CDV's random N West to his post for  
corner 4-5-8-9 - which he set in 1824  
"at intersectin of old blazed lines". We fail  
to see " " or any

orig stumps. Look around for orig. & then  
run E from post on line of tally stakes  
found.

CDV's bearings  

W. Pine stump	20°	S69½ E"	.96 ✓
" "	"	20° S81 W"	.50 ✓

This line reads S89 E with 4°-16 E var.

14.00 hub in S. ditch of road. (E side here)

17.95 fall .009 N of CDV ½ S. post.  
(Run into trees)

@14.00 turn def. ← R. to pass trees

① 0°-11½    ② 0°-22½    ③ 0°-33'    = (0°-11½) ✓

(Continuous meas. on traverse.)

20.65

" line falls ¼ link S  
of stake + tick found

21.10 ± shore

22.06 Row ice + turn def. ← Right to Orig MC  
#29 on S shore.

① 0°-30½    ② 1°-01'    ③ 1°-30'-30"

0°-30¼ ✓

@ 37.50 set temp point on ice  
( $\frac{1}{2}$  mi CDV 74.99)

57.513 Orig MC #29 + temp def. left to  
sta. H. 87 on our Random from NE x  
(See page 10) 2.658 ch.

①  $7^{\circ} 01'$     ②  $14^{\circ} 03'$

@ 14.87 check def = W to SW.  $7^{\circ} 09'$  -  $14^{\circ} 18'$

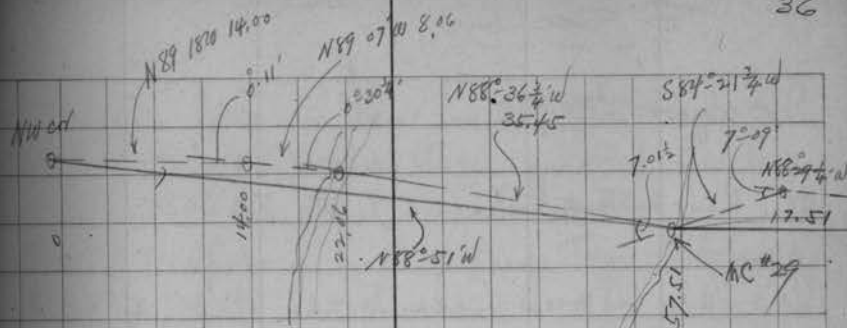
This indicates that our peg in shore at  
#29 has been shifted slightly (by ice?)

+ 17.507

75.020 Total.

Decide to ignore CDV's line at a shore since  
there is no monument no evidence of line or cor.  
 $\therefore$  Calc a straight line from MC #29 to NW cor.

↓



	N	S	W
$\therefore$ N 88 36 $\frac{3}{4}$ W 35.45 =	858		35.45
N 89 07 W 8.06 =	.124		8.06
N 89 18 W 14.00 =	.171		14.00
	1,153	$\div$	57.498

N  $\frac{1}{4}$  on ice

$\therefore$  Move stake @ 37.50

E. 01 + S. 083 ( $\angle 89^{\circ} 46' 55''$ )

= N 88 51' W 20.00 from #29 =

Sin. .9998  
Cos. .02007

= 1319.75 W + 26.5 N  
+ 818.75    2464.4  
2138.50 W    2490.9 N

NW cor = 2540.5 N  
4613.6 W

↓

.02005 =  
Cos N 88 51' W  
= N 88 36  $\frac{3}{4}$  W 57.51  
= 14  $\frac{1}{2}$

Sin = .00414  $\times$  35.45 = .148  
 $\times 20. = .083$

December 23<sup>d</sup> 1930  
 10° 25'  
 4" or 5" snow  
 H.C. Ray + Marshall 9:15 to 3:30

Orig  $\frac{1}{4}$ S between Secs. 8 + 17  
 Old stake with cruisers names. Does not exactly agree with stump remains but H.C. + Marshall were here in 1927 on bare ground + checked it when iron marks were plain.  
 Drive dry cedar post just S of old stake +

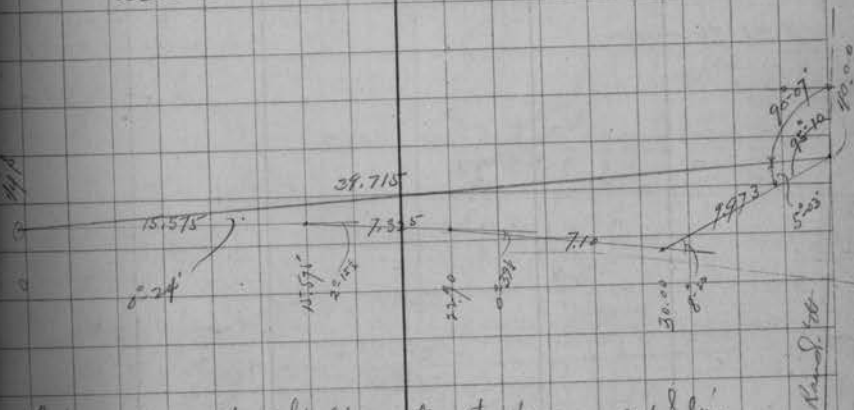
V 1°20' E	Dead Cedar 11"	N 6° E	.50
	" "	10° S 82° E	.25

Run E on random (V 1°20' E calc. from South)

0.0  $\frac{1}{4}$  post just set.  
 5.50 leave swamp NE SW  
 6.± fall .16 or .17 S. of old blaze  
 7.57<sup>7</sup> hub in slashing S. of timber  
 15.57<sup>5</sup> hub + deflected Right to a cut out  
 @ 2°-15½' @ 4°-31' line found  
 (Measurement Continuous)  
 22.90 hub on sd. cut out line W. from lakes.  
 def. angle R. into " " "  
 @ 0°-39½' @ 1°-19½' @ 39°-45'

11.49 back

25.50 hub on line found. Old blazes + newer face blazes parallel this line but stand somewhat north.  
 29.99 spike in root of large Tam stub (on NW side)  
 30.00 hub on shore.  
 Turn def. = left to sta. 40.00 on N + S random  
 @ 8°-22' @ 16°-44' @ 25°-06'-30"  
 9.773 ch.  
 @ 40.00 on N + S random Turn + do N to W  
 @ 95°-10' @ 190°-20'



Reducing to a straight line 0 to sta 40.00 on N + S line  
 we find length = 39.715 ch. + raises 0°-24' N of the first  
 15.57 ch of trav.

Course from sta. 40 to  $\frac{1}{4}$ S bet 8-17 =  
 90°-07'  
 - 2°-17'  
 = 87°-48' W.  
 39.715



$\frac{1}{8} S$	$88^{\circ} 40' \frac{1}{2} W$	$2298.4 =$	$\frac{2}{53.16}$ $26.58$	$W.$ $2297.8$ $1148.9$
$\frac{1}{8} N$	$3^{\circ} 35' E.$	$1274.5 =$	$1272.0 N$ $- 53.16 S$ $(1218.84) N +$	$297.80 W$ $79.66 E$ $(218.14) W$
$\frac{1}{8} S$	"	$1320.15 =$	$1317.55 S$ $+ 53.16 N$ $(1370.71) S +$	$297.8$ $82.51 W$ $(2380.31)$

$A$	$1228.1 N$ $- 1216.84 N$ $9.26 S$	$2218.14 W$ $168.5 E$ $2386.64 W$	$00390 =$ cut $(589^{\circ} 46.2' W)$
-----	---	---	--

$B$	$\frac{1}{8} N$	$1370.7 S$	$2380.3 W$
	$S \frac{1}{8} N$	$\frac{1345.2}{25.5}$	$= .01071$
	$\frac{1}{8} S$	$\frac{1176.43}{189.21}$	$89^{\circ} 23' 10" W$
	$\frac{1}{8} S$	$\frac{1176.43}{189.21}$	$85^{\circ} 47'$
	$184^{\circ} 00' E.$	$184^{\circ} 00' E$	$2462.7$
	$589^{\circ} 57' E$	$- 183^{\circ} 35' E$	$2378.7$
	$173^{\circ} 57'$	$- 80^{\circ} 25'$	$2388.$
	$179^{\circ} 60'$		
	$1^{\circ} 02'$ for $\frac{1}{8} E$		

December 27<sup>th</sup> 1930 Overcast 25°

H.C. Ray + Marshall 9 to 4.

Set flags in ice at  $N \frac{1}{4}$  +  $S \frac{1}{4}$  (see pages 36 + 40)  
Then at edge point on  $E + W \frac{1}{4}$  line 1685' ch  $E \frac{1}{4}$   
hub 34.01' (page 18) drive hub + turn  $E$  to  $N$   
 $85^{\circ} 05' \frac{1}{2}$  (fall about 1 lb  $E$  of  $N \frac{1}{4}$ ) cut out this  
line across Simpson's point.

Line from  $N \frac{1}{4}$  to  $S \frac{1}{4}$  falls 0.55' W of hub set.

Drive  $S \frac{1}{4}$  in swamp at true centre " " "

from which  $\{ Y$  fine stump 14' to  $S 6 \frac{1}{4}' W$  40.5'  
( $Y$   $1^{\circ} 16' E$ )  $\{ W$  " " 20' -  $N 89^{\circ} W$  106.5'

Set over pipe + turn  $E$  to  $N$

①  $85^{\circ} 06'$  ②  $170^{\circ} 12'$  ③  $255^{\circ} 17'$   $30^{\circ} 18.05.58^{\circ}$

At  $S \frac{1}{4}$  turn off  $S 89^{\circ} 57' E$  + drive fine post in sand  
spit 94.7'  $E \frac{1}{4}$  on line. = 2368' W of  $S \frac{1}{4} \times 9$   
 $2462.7$   
 $2368.0$

From said  $NE$  in sand spit  $off$  in low stump  
but  $S 35^{\circ} 6' E$  73.9'

This  $NE$  is only about 100' from extreme end of point.

Turn  $N 3^{\circ} 35' E$  from  $S \frac{1}{4}$  + fall OK with  $N \frac{1}{4} S$





## Acreage -

Detailed lat. &amp; dep. cal. for acreage shows.

Govt lot 3	=	35,867 A
" " 4	=	53,292 52,245
SE 1/4	=	33,227

The error of 0'-10' in our traverse of shore  
line lots 4+5 throws us out

1.4 N+D  
+ 5.7 E+W @

Sta. 30.953 on Random @

After Correcting traverse on 4+5

Acreage calculates.

Lot 5 north of fence	=	22,508 A.
The S. 31A	=	31,000
Area between 31A + "	=	2,105
Total in 5	=	55,613

4-S. 31A is 70.6' S. of where fence intersects  
" " " " 32.5' S of line } where fence intersects shore trans.

(taking 4-S. 31A. parallel to @ \$ 9

## Line between Govt. Lots 4+5

- continued from page 45 -

January 17<sup>th</sup> 1931 (+5 at 8 AM Max. 20°

H.C. Hall with Ray + Marshall

Interested over 4-S. line with traverse line. <sup>lat 80°</sup>

@ 974.4 " " " " " "  
70.3' from Sta. #9 page 30.

Az. of line E = 89° 22'

@ 974.4 turn to stations to detect error.

#8	=	0-13 1/2'
(hub) #0	=	318-27'
#7	=	347-13'
#6	=	342-13'
#4	=	338-55'
#3	=	333-06'

I decide error of 0'-10' was made turning from @ to @.

∴ @ = S 15° 21' E. etc.

Correct by subtracting 0'-10' from following Azimuth

Continue N 89° 22' E. on 4 line.

995. hub on bank.

995.1 Drive J.P. for M.C.

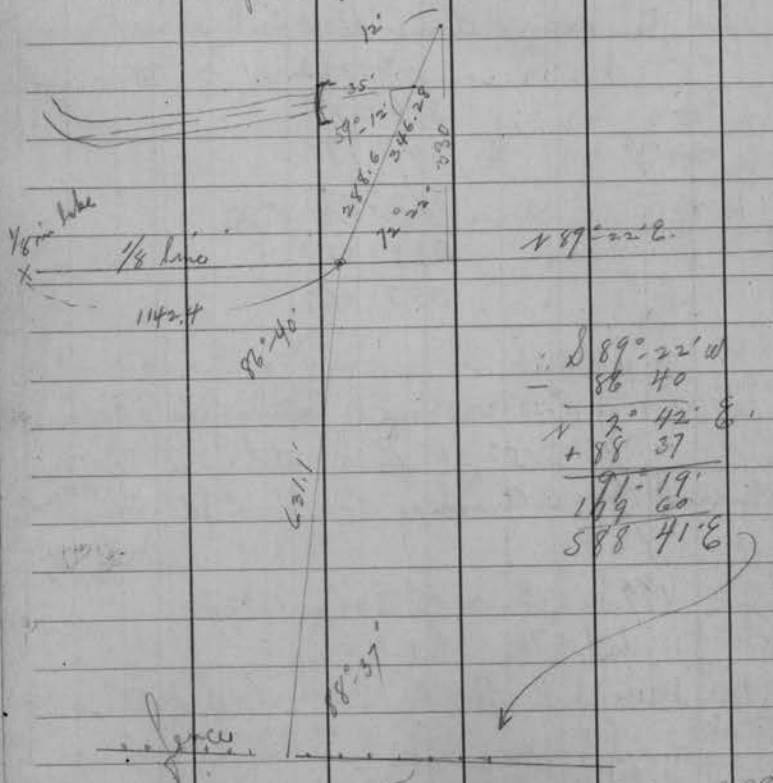
{ Aspen  
" "

⊕ Lot 4 - continued -

1142.4 spike + turn E to N  $72^{\circ}-22'$  (288.6)  
 thence S to SW  $59^{\circ}-12'$  line of  
 Simonson drive - Arch about 12 paces  
 along line.

" - W to S.  $86^{\circ}-40'$   $173^{\circ}-20'$  631.1'  
 To fence Th. N to E.  $88^{\circ}-37'$   
 along fence.

cut-out line found



$$\begin{array}{r}
 \therefore \text{S } 89^{\circ}-22' \text{ W} \\
 - \quad 86^{\circ} 40' \\
 \hline
 \text{N } 2^{\circ} 42' \text{ E} \\
 + 88^{\circ} 37' \\
 \hline
 91^{\circ} 19' \\
 109^{\circ} 60' \\
 \hline
 588^{\circ} 41' 6''
 \end{array}$$

Mag course on lake road  $S 88^{\circ} \frac{3}{8}' E$

1154. ⊕ Road

1263.7 hub

1404.2 "

1631.5 "

1971. "

2150. Enter Swamp.

2381. fall  $4^{\circ}$  N of CRV post @  $\frac{1}{8}$  S.

∴ OK.

calc 2380.6' ✓

My point for  $\frac{1}{8}$  S on ⊕ falls  
 about  $3^{\circ}$  N + W of CRV post

Line OK - drive spike in  $25^{\circ}$  Birch stump on line  
 at about 1267 ±

Adjusted traverse of shore lots 4 + 5.

0.0 = sta. 31.736 h. = hub on  $\frac{1}{4}$  line E shore  
 = 59.2' S + 2559. W. (of E 75)

Az. of line E -  $88^{\circ}40' \frac{1}{2}$  (of  $42^{\circ}16' E$ )

	Az.	Course	Mag	feet
①	$118^{\circ}26'$	S61 $^{\circ}$ 34'E	S61 $^{\circ}$ 28'	100.
②	$104^{\circ}19'$	S75 $^{\circ}$ 41'E	S75 $^{\circ}$ E	200.
③	$113^{\circ}00'$	S67 $^{\circ}$ E	S67 $^{\circ}$ E	360.
④	$126^{\circ}29'$	S53 $^{\circ}$ 31'E	S53 $^{\circ}$ 42'	225.
⑤	$139^{\circ}07'$	S40 $^{\circ}$ 58'E	S41 $^{\circ}$ E	170.
⑥	$164^{\circ}39'$	S15 $^{\circ}$ 21'E	S15 $^{\circ}$ E	210.
⑦	$153^{\circ}19'$	S26 $^{\circ}$ 41'E	S26 $^{\circ}$ $\frac{1}{2}$ E	280.
⑧	$160^{\circ}23'$	S19 $^{\circ}$ 37'E	S19 $^{\circ}$ 10'E	200.
⑧ $\frac{1}{2}$	$180^{\circ}12'$	S0 $^{\circ}$ 12'W	S0 $^{\circ}$ 20'W	159.7
	To line bet. 4 + 5			230.0
⑨	"			70.3
⑩	$197^{\circ}53'$	S17 $^{\circ}$ 53'W		270.
⑪	$212^{\circ}06'$	S32 $^{\circ}$ 06'W		175.
⑫	$224^{\circ}58'$	S44 $^{\circ}$ 58'W		260.
	@ 202.5 line of fence to S88 $^{\circ}$ 38'E			
⑬	$237^{\circ}51'$	S57 $^{\circ}$ 51'W		320.
⑭	$204^{\circ}11'$	S24 $^{\circ}$ 11'W		380.
⑮	$125^{\circ}35'$	S57 $^{\circ}$ 25'E	To ranch hub $\rightarrow$ 184.8	
		S21 $^{\circ}$ 37'E (calc.)	163.7	
		To corrected $\Phi$	2132 from SEX.	

February 18<sup>th</sup> 1931 Overcast. 30°

H.C. Ray - Marshall.

Drive 6' x  $1\frac{3}{4}$ " I.P. at edge of bog @ 99.6' on  
 closing shot of trav. Govt Lot 3.

$14^{\circ}16'E$  } W. Pine stump 28" N31 $^{\circ}$ E (31 $^{\circ}$ ) 1.027 ✓  
 " " " 6'x 18" N7 $\frac{1}{2}$ W (35 $\frac{1}{2}$ ) .918 ✓

At  $\frac{1}{16}$  S. NE ex lot 3, I.P. (Survey S+W).

at .089 S. of sta 18.083 (page 27) @ 90°

{ Turn 8" W. Pinch in top of 30" W. Pine stp. ✓  
 $14^{\circ}16'E$  } (199-20') S19 $^{\circ}$ W .165  
 { N. Pinch 8" (14 $\frac{1}{2}$ ) N14 $\frac{1}{2}$ E .10

Run S 5 $^{\circ}$ 41'W from NE ex lot 3

@ 100'  $\pm$  creek.

Intersect E+W  $\frac{1}{4}$  line @ 53.10 (from W) + drive  
 I.P. + post. Nothing near for bearings.

Posted in Co. field book

Note - Detail in Gov. lot 5 (acreage - fence etc  
 Added to Simmons's print by request +  
 to our filed plat. Aug. 31<sup>st</sup> 1931

for 30 Marsset  
see Routine Book

Rt. W from sta 52.00

= sta 12.82

hub on true line (th by  $\angle 89^{\circ}07'30''$ )

- 2.39

sta

10.43

Drive post at shore for MC.

17.605

Spoke-hub

Swamp hrs. W. 1 ch  $\pm$

12.82  
4.785  
17.605

19.652

Establish  $\frac{1}{8}$  Co.

Comes on stump

PC.

W.P. stp 28" West 41 $^{\circ}$

Edge of swamp 70 $^{\circ}$

30.65 on true line. set MC.

Meas. only on line, from MC.

9.037 hub on ridge

tree on line - line in front  $0^{\circ}41'N$ .

@ 12.074 correct .036 S + set  $\frac{1}{8}$  cor.

(12.074)  $\frac{1}{8}$   
9.037  
3.037