

38-10
36-10

80

PAGES 1-27

BLANK

Survey of line between 5+6
More particularly - The E. line of the SE NE
and NE SE of Sec. 6.
for Wm Hardell.

DH Vaughan ran this Sec. line in Feb. 1912 and
fell 7.80 ch ± E of Orig. MC on S bank therefore.
Corrected in for $\frac{1}{4}$ (proportioned to rd. MC) and
blazed up a $\frac{7}{8}$. Then in Feb. 1913 he returned, and
"corrected his random and prolonged it north to
net $\frac{1}{8}$ S N of $\frac{1}{4}$ ". A few years ago Malcolm
Hutchinson of Antigo ran up Elm here on a
random just E of DHV $\frac{7}{8}$, fell .20 ± E of $\frac{1}{8}$ and
about 150 W of MC on S. bank. Did not correct it.

Both Vaughan & Hutchin used as SE x Sec 6. The corner
as established by Wm Allen many years ago. He
proportioned 2 miles E+W and 12 miles N+S according
to DHV. Since this corner was destroyed in early days
or never set. Vaughan & Hutch both checked the proportion
E+W but not N+S. The location as accepted
throws the E 5 entirely S. of the lake and still
the line between 5+6 is over 10 chains short.

Cruising. HC, Ray, Marshall, & Keith no snow
Nov. 11th $\frac{1}{2}$ day Nov 12th $\frac{3}{4}$ day, 1930
Identify Orig MC on right bank therefore on line
between 5+6. Both orig. B.T.s but corner
location as defined by tall galvanized pipe +
several old rotted-down stakes is set with
Govt. record distances reversed. Since the trees
do not bear as called for, this method brings
the corner more at right angles with each
facing (and appears to line up better with the
two orig. corners N. of the river). Possibly
Allen and other early surveyors found orig.
stake in this location when they worked here.
Note the SW Tamarac is a stub 5 or 6' high
with most of upper facing OK.

The SE. Tam. is a stump chopped off about 3'
high and upper facing lies in edge of river.
Chopping in we found the B.T.

Find DHVs $\frac{1}{4}$ and $\frac{3}{8}$ posts.

Identified Orig NE corner of 6 by old post, iron pipe ($\frac{3}{8}$)
Orig. bearings indefinite except the n. e. one
where we found remnants of scribbling. Agrees
reasonably close with post as set.
Identified Orig. MC on left bank therefore. Old
post at water's edge with 2 tamarac remains
agreeing. These three corners line up on about
0° Var.

Identified Allen's corner to Secs. 5-6-7-8 by an
iron pipe at N. edge of road from which this
bearings meas. OK. Searched a long time
for old $\frac{7}{8}$ S. but found nothing. No signs
of old line, even in Swamp S of where $\frac{7}{8}$
should be. Plenty of iron woods + birches for
40 rods or more N of S.

January 22nd 1931 Fair. 10 to 20°
Ray, Keith + Marshall Hall 10 to 3:30
Mark new bearings for Allen's corner to 5-6-7-8
Y. 3° E. { Maple 8" N 44° E. 407 ch.
" 9" N 6° W. 1929 "
Bottom of tent iron pipe OK

Take $\frac{1}{4}$ N. of lake + get on Hutchin's random, by
notch thru poplar tree. B.S. on Cor 5-6-7-8
With 3° E Var. This course reads N 11° W

Chain N. on this random
0.0 Allen's Sec Cor.
4.79³ fall 2" W of 1" W. Birch (a good flag)
5.02⁹ calc. at \angle 116° E for point 332 from cor.

25.00 Spike in ice (correct 579 E)

26.00 One lake shore bus NNE + SW

27.00 hub in bottom

33.00 spike for hub

34.521 rt. \angle E .799 + set $\frac{1}{4}$ corner

Drive $1\frac{3}{4}$ S.P. + post alongside.

Jan 23^d } W. Pine 18" N 18° E .513
 Var. 3° E. } W. Birch 6" S 29° W .224
 } Maple 11" N 85° E .037
 Bank of lake E. .55

33.77 fall .058 E of DHV $\frac{1}{4}$ post

37.649 hub (87° E)

46.75 " in N + S road (1.082 E)

49.50± Enter Swamp E W

50.64 fall .19 E of DHV $\frac{1}{8}$ post

51.781 Set rt. \angle 1.199 for $\frac{1}{8}$

62.00 hub + turn def. \angle R to Orig. MC on rt. bank

(" since bus E 1.00± here)

26° 29' @ 52° 58' N 16° E
 3.375 ch.

thence

\therefore 65.021 rt. \angle E to MC $\frac{1.505$

.02315 = tan $1^\circ 19' 85''$

cos .999735

.000265

x 65.02

65.021

65.038 true line

+ 6.482

71.52 Total

- 82.85 Rec.

8285) 11.33 short

-13675" per ch.

x 40

5.470

- 40.000

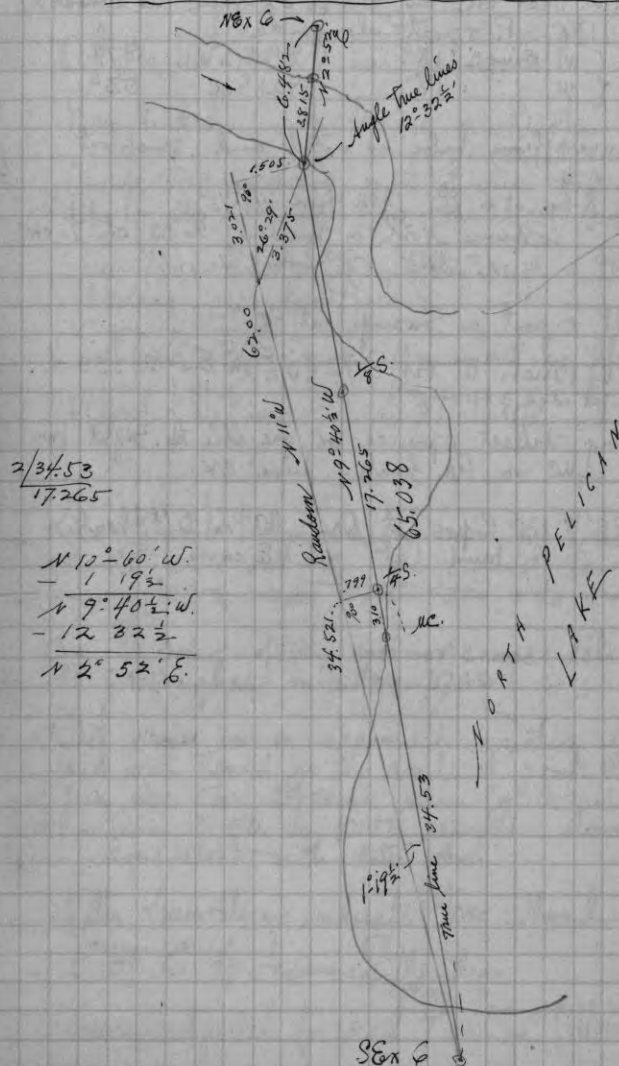
34.53 on true line

= 34.521 on Random

x .02315

- .799 correctn for $\frac{1}{4}$

Orig. Bearings for MC on South bank read
 } Land. Stamp S 35° E .19
 } " " " " S 59 $\frac{1}{2}$ ° W .475
 } " " " " S 59 $\frac{1}{2}$ ° W .475



January 23rd + 27th 1931 3 Halls. part time
 Set $\frac{1}{4}$ S. as prev. noted + run S. on corrected line.
 @ 2.26 $\frac{1}{2}$ W. Pine 14" on line.
 @ 3.10 set MC. on banks of lake (the almost S.)
 1 $\frac{3}{4}$ " D.P. + post alongside.
 1.3° E. { W. Pine 18" S 25 $\frac{1}{2}$ ° W .879
 { W " 18" N 21 $\frac{1}{2}$ ° W .535

Correct over from hubs as noted and brush out
 line N. $\frac{1}{4}$
 Set $\frac{1}{8}$ by st = E. 1.082 from 46.75
 thence North on true line 5.033 ch. to cor.
 = 17.265 by from $\frac{1}{4}$.

Drive I.P. + post in Swamp at $\frac{1}{8}$
 { W. Pinch 11" brs S 9° 40' E on line 2.333 ch.
 (at edge of swamp)

By cutting tallest spruces we are able to sight our
 flag at MC on Rt. bank. Line OK.

Drive 5 $\frac{1}{2}$ " x 1 $\frac{3}{4}$ " Pipes at Orig. MC on left bank
 and at " NE corner Sec. 6

Monico Tower Location.

Emergency Conservation Work ECC

October 16th 1934 fair to overcast 65°

Ray H. Hall. John Henning + Baeten
 (craftsmen)
 Check D.H. Vaughan's post at orig. SW cor. 22
 OK by stp of Orig SW tamaracs. Base of
 tree down-marks OK. Other orig. + D.H.V's
 bearing are doubtful.

Set 6x6" x 36" Concrete Monument in place + mark
 Var. 1° 36' E. { W. Pine 9" S 21° 16' E. 82.5'

Run transit traverse along new fire lane to
 connect SW x with the first control tower
 known to be near center sec. + to find or

tie in some of the interior corners established
 by D.H. Vaughan in Nov. 1906.

Set vernier on an assumed variation of 2° 15' E
 and with transit in the road at point visible
 from sec. cor. observe sun for azimuth.
 Time 10:50 to 10:55 results most
 consistent with later obs.

Later observations indicate true Meridian to be
 0° 07' E. of Assumed Meridian.

Traverse adjusted for said T is as follows:

22-36-10 E

Traverse - from SW cor. Sec. 22

- ① S 5°-37' W 173.6
 ② N 68°-13' E 1244.7
 ③ N 67°-49' E 899.
 ④ N 29°-05' E 1550.

@ " 900' connect by
 538°-58' E 329.4' with D^r Vaughan
 1/8 S. S. of Center.
 " " " " = 1159.0 N $\overline{2615.9 E}$
 2.25702 = Tang.
 N 66°-06' E.
 2861.2' from
 Sec. Cor

- ⑤ N 9°-50' W 550.
 ⑥ N 7°-14' E 32.2 To Center of Morico Tower

= 2557. N $\overline{2634.8 E}$
 1.03043 = Tang.
 N 45°-51.5' E 3671.6'
 from Sec. Cor

@ Station #2
 observe Sun (Mag. var on assumed 0° reads 1°-43' E)
 Watch time noted = 1/2 slow with W.U.

- ① 1:55 PM 27°-54' calc 218°-08.5
 217°-56.
 ② 1:58.7 27°-28' calc 219°-00.5
 218°-57.5
 ③ 2:01" 27°-15' calc 219°-37.
 219°-29.

Tower br N 19°-07' E
 Above readings on basis of assumed North.
 True Meridian evidently 0°-07' E & "

22-36-10 E.

October 17th 1934 overcast, colder.
 R & H. Alfonso & Nichols

Since our 100' tape was broken yesterday at Cor.
 + traverse meas. with 50' section:

We re-measure traverse with a 100' tape
 Find measurements substantially same as noted.

Find Vaughan 1/8 S. of Center. His old post down
 among rocks and both his bearing trees, charred.

but legible. His record between trees we find
 a trifle short.

Set new Cedar post & Iron Pipe.

Nothing near for new bearings.

Cor. comes about in N. ledge swamp.

Since Vaughan records the following dimensions
 for SW 1/4 Sec 22:

W 2672' N 2537' E 2607' S 2641'

I scale out the Quarter, pivoting on SW cor + 1/8
 This throws the Tower & bldgs. NE of the Center
 or on the SW NE.

Search again for Vaughan's Center - nothing to
 identify. His 2 birches seem gone.

Calculations indicate Tower to be approx.

97 1/2' N and 40' E. of Vaughan's Center Sec.

Data: From Hessler Conservation

Commission of July 21st 1942

Found S. $\frac{1}{2}$ bet. Secs 10 & 11. Set new post
 J.P. 55.66 E. .27 (old)
 Spr. 4 N. 82 W. 1.04 $\frac{1}{2}$ (New)
 Tam 4 N. 60 W. 1.00 (New)

Found $\frac{1}{4}$ S bet. Secs 11 & 14. Found point
 of old stk. Set new Tam. stk
 Tam. 6 S. 44 $\frac{3}{4}$ W. .42 $\frac{1}{2}$ (old)
 " 5 S. 86 W. .68 (New)
 " 3 S. 45 E. .29 "
 Blk Spr. 4 N. 45 E. .039 "

Sec. Cor 10, 11, 14, 15. Found old stk
 Set Iron Pipe
 W.P. 56 14 N. 38 W. .04 $\frac{3}{4}$ (old)
 Tam 6 N. 56 W. 1.028 (New)
 Crest of Rock Outcrop + on it N. 56 W.
 .84 $\frac{1}{2}$

$\frac{1}{4}$ S bet Secs. 11 & 12 Found Old Stake
 Set Tam stk, Rocks around it.
 Tam 16 N. 49 $\frac{1}{2}$ E. 1.3 $\frac{3}{4}$ (old)
 " 4 S. 89 E. .22 (New)
 " 6 S. 15 E. .34 $\frac{1}{2}$ "
 " 3 S. 61 W. .02 $\frac{1}{2}$ "

N. $\frac{1}{2}$ stk bet Secs 11 & 12. Old stk.
 Set new Cedar stk.
 Cedar 9 N. 1 W. .21 (old)
 Tam 12 S. 42 $\frac{1}{2}$ E. .24 $\frac{1}{2}$ (old) Rottod
 Cedar 6 S. 20 W. .20 (New)

PAGES 37-176

BLANK

INDEX

Section	TOWNSHIP		RANGE		CITY OR VILLAGE	ADDITION
	N.	S.	E.	W.		
3	36		10			
						by H.C. Hall.
5+6	36		10			Sec. line
22	36		10			R.H. Hall for E.C.W.
10, 11, 12, 14,			36-10			<u>Dated</u> Page 36

INDEX

INDEX

FOR WHOM SURVEYED	WHEN			Page
	Day	Month	Year	
J.K. Jaek	20	Nov	1919	13
Wm. Hardell		Nov. Dec Jan.	1930 1931	28 -32
as Eng. CCC. 75-S Locating Monico Tower Hessler		Oct. July 21 st	34 1942	33