

39-6 E
Sec 11, 12, 13, 15
1898

FIELD NOTES

OF THE SURVEY OF THE

FOUR ISLANDS

IN

SECTIONS 11, 12, 13 and 15

TOWNSHIP 39 NORTH,

RANGE 6 EAST.

Of the 4th PRINCIPAL Meridian,

W I S C O N S I N .

AS SURVEYED BY

THOS. C. HAVELL

Special Instructions.

Detailed Clerk

United States Deputy Surveyor,

Under his Contract No. , dated May 2, 1907, 100

Survey commenced June 18, 1907, 100

Survey completed Dec 24, 1907, 100

RECEIVED & FILED #18734
Office County Surveyor's Office
MAY 11 1907

PRELIMINARY OATHS OF ASSISTANTS.

WE, W. H. Holcombe and F. W. DuBois
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of 4 islands in T. 39 N., R. 6 E., Wisconsin.

W. H. Holcombe, Chainman.

F. W. DuBois, Chainman.

Subscribed and sworn to before me this 18th
day of June, 1907, 190

Thos. C. Havell,

Detailed Clerk.



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 190



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 190



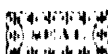
I, F. F. McKinney, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of 4 islands in T. 39 N., R. 6 E., Wisconsin.

F. F. McKinney, Flagman.

Subscribed and sworn to before me this 18th
day of June, 1907, 190

Thos. C. Havell,

Detailed Clerk.



Survey of 4 islands in Keowauquasocoagan Lake
T. 39 N., R. 6 E., Wisconsin.

Survey commenced June 18, 1907 and was executed with a Young & Sons' light mountain transit No. 6519, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was kept in perfect adjustment throughout the entire survey.

To test the solar apparatus by comparing its indications, resulting from solar observations made during A.M. and P.M. hours with a meridian determined by observations on Polaris I proceed as follows;

Near the $\frac{1}{4}$ cor bet Secs. 11 & 14 T. 39 N., R. 6 E.

Lat. $45^{\circ} 56'$ N. Long. $89^{\circ} 44'$ W. I set off $45^{\circ} 56'$ N. on the lat. arc and $23^{\circ} 25'$ N. on the declination arc and at 7 A.M., l.m.t., determine with the solar a meridian and mark a point thereof on a peg firmly set in the ground 5 chains north.

At 5 P.M., l.m.t., I set off $45^{\circ} 56'$ N. on the lat. arc and $23^{\circ} 26'$ N. on the declination arc and mark a point in the meridian again determined with the solar.

June 19 - 1907;

At $1^{\text{h}}45'$ A.M., l.m.t., I observe polaris at eastern elongation in accordance with the Manual of Surveying Instructions and mark the point on the line thus determined on a peg driven firmly in the ground 5 chs. north of my station.

At 7 A.M. l.m.t. I lay off the azimuth of Polaris $1^{\text{h}}45'$ to the west and mark a point in the meridian thus determined upon the post set by me on June 18.

The solar apparatus by A.M. and P.M. observations defines positions of meridians which practically agree with the meridian by Polaris observation and I conclude that the adjustment of the instrument are satisfactory.

Survey of 4 islands in Ke-o-wo-qua-so-co-agan Lake
T. 39 N., R. 6 E., Wisconsin.
Island in Section 11.

I am unable to find the original meander post bet. Secs.
10 & 11 on the north bank of lake Ke-o-wo-qua-so-co-agan,
I therefore set a pine post 3 ft long, 4 ins sq. 24 ins
in the ground marked M C on S

T 39 N on N

R 6 E S 10 on W

S 11 on E face, from which a stump
of original bearing tree 30 ins dia brs S 37 1/2° W 220
lks marked T 39 N R 6 E S 10

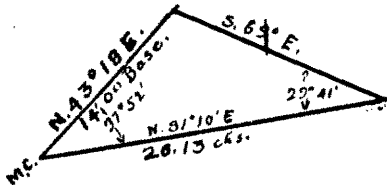
I mark a new bearing tree as follows;

An Oak 10 ins dia brs N 3° 45' E., 81 lks dist
marked T 39 N R 6 E S 11 M C B T

This cor falls in 6 ins of water.

Thence I run a base line N 43° 18' E 14.00 chs.

From M.C. bet Secs 10 & 11, flag on island brs N 81° 10' E.,
and from end of base same flag brs S 69° 09' E.



A.C. Log sin 29° 41'	=	.305214
" 14.00	=	1.146128
" sin 112° 27'	=	9.965772
" 26.13	=	<u>1.417214</u>

From the M.C. bet Secs. 10 & 11 flag on island therefore
bears N 81° 10' E. 26.13 chs at which point I set an
auxiliary meander corner, a pine post 3 ft long, 4 ins
sq. 24 ins. in the ground, marked A M C on W

T 39 N on E

R 6 E on N

S 11 on S face

which

A birch 8 in dia brs N 31 3/4° E. 46 lks dist
marked T 39 N R 6 E S 11 A M C B T

A birch 8 ins dia brs S 8 1/2° W 26 lks dist
marked T 39 N R 6 E S 11 A M C B T

100
100
100

Survey of 4 islands in Ke-o-wo-qua-so-co-agan Lake
T. 39 N., R. 6 E., Wisconsin.
Island in section 11.

Thence with meanders as follows;

N 47° 30' E. - 330

N 41° 30' E. - 345

S 20° 45' W. - 715

N 65° 45' W. - 175

House brs S 73°30'E.-50 lks.

2d House brs N 54°E.-84 lks

N 26° 45' W. - 130 place of beginning.

Nearest point of mainland about 4 chains dist. from island;

water 10 ft. deep.

General Description.

See last page.

Island in Secs. 11 & 12 T. 39 N., R. 6 E.,
Wisconsin.

I am unable to find the meander post between Secs. 11 and 12 on the north bank of Lake Ke-o-wa-qua-so-co-agan.

re-
I therefore establish same from the stump of the original N.E. bearing tree, which is the only remaining evidence of the original corner.

Set a tamarack post 3 ft long, 3 ins sq., 24 ins. in the ground brs S 9° W. 22 lks. from said stump which is 14 ins dia marked S 12. As this point falls in 12 ins of water,

I set a witness cor. a tamarack 3 ft long, 4 ins sq., 24 ins. in the ground 50 lks north from true point marked

W C M C on S

T 39 N on N

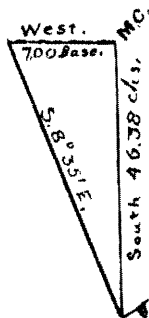
R 6 E S 12 on E

S 11 on W face, dug pits 36 x 36 x 12 ins.

8 ft north of post and raised a md. of earth 4 ft base, 2 ft high north of cor.

From true point for cor. I sight south and set a flag on island on line between Secs. 11 & 12.

Thence run a base line west 7 chs (longer base impracticable) from the end of which flag on island brs S 8°35' E.



$$\begin{array}{r} \log .7 .00 \quad - \quad .845098 \\ \log .\tan .81^{\circ} 25 \quad = \quad 10.821201 \\ \log \quad \quad \quad = \quad \underline{1.666299} \end{array}$$

From M.C. to flag = 46.38 chs.

The distance from true point for M.C. bet Secs. 11 & 12 to flag on island is therefore South 46.38 chs where I set a meander corner, a pine post 3 ft long, 4 ins sq. 24 ins in the ground marked

M C on N

T 39 N., on S.

R 6 E S 12 on E

S 11 on W face, from which

Island in Secs. 11 & 12 T. 39 N., R. 6 E.,
Wisconsin.

A birch 8 ins dia brs S $46\frac{1}{2}^{\circ}$ E 31 lks dist

marked T 39 N R 6 E S 12 M C B T

A birch 9 ins dia brs S 84° W 80 lks dist

marked T 39 N R 6 E S 11 M C B T

Thence south bet Secs 11 & 12, over island

2.69 South bank of island set a pine post 3 ft long, 4 ins sq
24 ins in the ground for M C marked

M C on S

T 39 on N

R 6 E S 12 on E

S 11 on W face, from which a

house brs N $51\frac{1}{2}^{\circ}$ W 76 lks

A birch 5 ins dia brs S 40° E 5 lks dist

marked T 39 N R 6 E S 12 M C B T

A birch 5 ins dia brs S 55° W 33 lks dist

marked T 39 N R 6 E S 11 M C B T

Thence with Meanders in Section 12

N 70° E - 3.00 chs.

N 7° E. - 2.60 "

S 62° W. - 2.00 "

S $89^{\circ}30'$ W. 1.39 " to M.C. on North side of island

Thence with Meanders in Section 11

S 87° W. - 1.55 chs.

S 10° W. - 1.20 "

S $8^{\circ}30'$ E. - 1.30 "

S 85° E. - 1.57 " to M.C. on south side of
island

Nearest point of mainland is about 10 chains from island
water 10 to 20 ft deep.

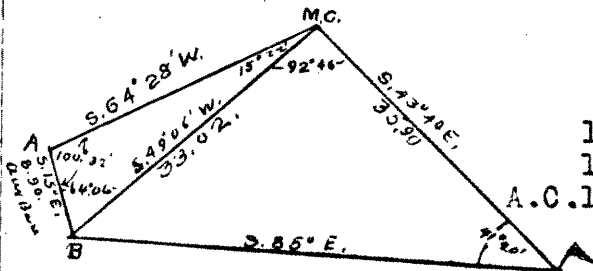
From the meander corner on the south side of this island
I sight to point "A" on the mainland S $64^{\circ}28'$ W. and to
point "B" S $49^{\circ}6'$ W.

Island in Sec.13 T. 39 N., R. 6 E.
Wisconsin.

I measure the distance bet. point "A" and point "B" for an auxiliary base and find it to be S 15° E. 8.90 chs. This gives the distance from M.C. on island to point "B" to be N 49°06'E. 33.02 chs. which I use as a base in locating the island in section 13.

From point "B" flag on island in section 13 brs. S 85°E and from M.C. on island on line bet. Secs. 11 & 12 the same flag on island in section 13, brs S 43°40'E.

$$\begin{aligned} \log \sin 100^{\circ}32 &= 9.992619 \\ \log 8.90 &= .949390 \\ \text{A.C.} \sin 15^{\circ}22 &= .576762 \\ \log 33.02 &= 1.518771 \end{aligned}$$



$$\begin{aligned} \log \sin 45^{\circ}54' &= .856201 \\ \log \quad \quad 32^{\circ}02 &= 1.518777 \\ \text{A.C.} \log \quad \quad 41^{\circ}20' &= 1.80168 \\ \log &= 1.555146 \end{aligned}$$

= 35.90

From M.C. on south side of island in sections 11 and 12 the flag on island in section 13 brs. S. 43° 40' E. 35.90 chs.

Thence with meanders

N 4° E	-.40 Chs.
N 49° E	-1.20 "
S 68° E	-1.70 "
S 54½° E	-1.20 "
S 67½° E	-1.95 "
S 62¼° E	-3.30 "
S 51½° E	-2.00 "
S 64¼° E	-2.20 "
S 37½° W	3.60 "
N 67½° W	2.35 "
N 74½° W	2.15 "
N 64½° W	2.50 "
N 45½° W	3.40 "
N 29½° W	1.70 "
N 7°23' E	.95 " to place of beginning

Nearest mainland to island about 15 chains. water 25 ft deep.

General Description, see last page.

1873

Island in Section 15 T. 39 N., R. 6 E.,
Wisconsin.

The post for M.C. bet. Secs. 10 and 15 is gone, I find however the stump of the old bearing tree in section 10 marked M.C.B.T. facing southwest.

From this stump I run S 20° W 2.78 chs. for position of original meander post. As a dam in the outlet of this lake has caused the waters to rise this point now falls in 3 ft of water. I therefore set a Witness M.C. corner 52 links east at edge of lake from which old stump in section 10 bears N 20° W. 2.78 chs.

I mark for bearing trees to this W. C. Meander Corner

a pine 8 ins dia S 58° E. 108 lks. marked

T 39 N R 6 E S 15 W C M C B T

a poplar 5 ins dia brs N 20° W. 90 lks dist marked

T 39 N R 6 E S 10 W C M C B T

From this W.C. flag an island in sec. 15 bears S. 30° 24' W.

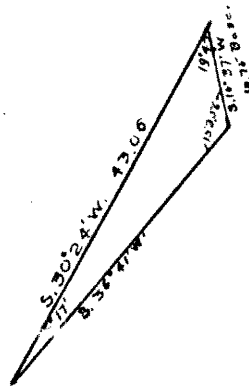
In order to get a base line from this point I run as follows:

S. 30° E. - 2.20 lks
 S. 21½° E. - 3.96 "
 S. 31° W. - 3.98 "
 S. 57° 30' W. - 2.92 " These courses reduced-

S. 10° 37' W. 10.75 chs for a base line.

From end of base flag at island in sec. 15 bears S. 36° 41' W.

log sin 153° 56' = 9.642877
 log 10.75 = 1.031408
 A.C. log sin 6° 17' = .960803
 log 43.06 = 1.634088



From W.C.M.C. to flag on island is therefore S. 30° 24' W. 43.06 chs.

At flag I set a pine post 3 ft long 4 ins sq. 24 ins in the ground marked A M C on N

T 39 N on S

R C E on W and

1233

Island in section 15 T. 39 N., R. 6 E.
Wisconsin.

S 15 on E from which

A pine 12 ins dia brs S 68° W. 30 lks dist marked

T 39 N R 6 E S 15 A M C B T and

A pine 11 ins dia brs. S 59°30' W. 32 lks marked

T 39 N R 6 E S 15 A M C B T

Thence with meanders

S 66 $\frac{1}{2}$	E	- 2.37	chains	
N 83 $\frac{1}{2}$	E	- 2.07	"	
N 80 $\frac{1}{4}$	E	- 2.75	"	
N 52°	E	- 3.83	"	
S 12°45'	E	- 4.60	"	house bears N.36 lks
N 83 $\frac{1}{2}$ °	E	- 4.00	"	through swamp
N 7 $\frac{1}{4}$ °	E	- 2.17	"	
N 39 $\frac{1}{2}$	E	- 4.53	"	
S 28 3/4°E.		- 3.33	"	
S 52°	W	- 5.00	"	
S 57°45'	W	- 2.60	"	
N 83 $\frac{1}{2}$ °	W	- 2.56	"	
N 73°	W	- 2.44	"	
N 75°	W	- 1.29	"	
S 83 $\frac{1}{2}$ °	W	- 2.10	"	
N 83 $\frac{1}{2}$ °	W	- 1.72	"	
N 81°45'	W	- 2.28	"	
N 71°	W	- 2.24	"	
N 30 $\frac{1}{2}$ °	E	- 1.45	"	

to place of beginning.

Nearest point of mainland about 5 chs. from island,
water 6 ft deep.

General Description.

From an examination of the down timber and old stumps upon these islands, and the character of the soil I am of the opinion that these islands were in existence at the time the State of Wisconsin was admitted into the Union. The water in the lake is navigable on all sides of each of the islands and there is no indication that any of the islands have ever been a part of the mainland.

The mainland appears to have been fairly well meandered by Deputy Anderson in 1863 but the waters have been raised in the lake as the result of a dam being made at the outlet and the shore line has changed slightly by the raising of the waters.

The islands are of unusual value owing to their proximity to the village of Minocqua, a watering town situate on lots 1, 2, 4, 5 and 6 section 14 T. 39 N., R. 6 E.

The following is a description of each island:

Island in section 11.

This island is about 15 ft. above mean high watermark, with steep banks covered with dense underbrush and timber.

There are two houses on the island both built and occupied by Mr. Sutton. Estimated valuation of improvements \$1,000.

Island in section 15.

This island is about 10 feet above mean high water mark. The eastern portion is clear except for the dense underbrush on the banks; the western portion is covered with a young growth of timber and dense underbrush and a swamp extends into the central portion.

The island is improved by a house built by Mr. Sutton the occupant of the island in section 11 above described. The house was unoccupied at the time of my survey, valuation of improvements \$1,500.

Island in section 13.

This island is about 35 feet above mean high water mark at west end and gradually slopes to the east and south. A good growth of young timber is on the banks. A small house, unoccupied, is in the center of the island not visible from the meander line. Valuation \$150.00,- builder unknown.

Island in sections 11 and 12.

This island is 20 feet high covered with a good growth of timber and underbrush.

The island is improved by a small house, unoccupied at the time of survey, built by Mr. Dan Ferry, a guide. The house is usually occupied by him in the summer. Value of improvements, \$200.00.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Thos. C. Havell, Detailed Clerk, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of 4 islands in T. 39 N., R. 4 E., Wisconsin, showing the respective capacities in which they acted:

W. H. Holcombe, Chainman.

F. W. DuBois, Chainman.

Moundman.

Moundman.

Arman.

Arman.

F. F. McKinney, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Thos. C. Havell, Detailed Clerk, United States Deputy Surveyor, in surveying all those parts or portions of the 4 islands situate in sections 11, 12, 13 & 15 T. 39 N., R. 4 E.

of the 4th

Principal meridian, State of Wisconsin, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the Comr. of the United States Surveyor General for Land Office.

W. H. Holcombe, Chainman.

F. W. DuBois, Chainman.

Moundman.

Moundman.

Arman.

Arman.

F. F. McKinney, Flagman.

Subscribed and sworn to before me this 19th day of September, 1907

Thos. C. Havell,

Detailed Clerk.



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Thos. C. Havell, Detailed Clerk ~~United States Deputy Surveyor~~, do solemnly swear that, in pursuance of a special instructions ~~contract~~ received from Commissioner of the ~~United States Surveyor~~ General for Land Office, bearing date of the 2d day of May, 1907, ~~190~~, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the Commissioner of the ~~United States Surveyor~~ General for Land Office, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of 4 islands situate in sections 11, 12, 13 & 15 T. 39 N., R. 6 E., in Ke-o-wo-qu-a-so-co-agan Lake

of the 4th ~~Principal~~ meridian, in the State of Wisconsin, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the Commissioner ~~United States Surveyor~~ General for Land Office and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Thos. C. Havell,
Detailed Clerk United States Deputy Surveyor.

Subscribed by said Thomas C. Havell, and sworn to before me }
this 24th day of March, 1908



Fred Dennett,
Commissioner of the General
Land Office and Ex-Officio
Surveyor General for Wisconsin

APPROVAL.

Ex Officio
OFFICE OF THE UNITED STATES SURVEYOR GENERAL, for Wisconsin,
General Land Office, Washington, D.C.,

April 22, 1908., 190

The foregoing field notes of the survey of 4 islands situate in Keowoquasocogan Lake, in Secs. 11, 12, 13 & 15 T. 39 N., R. 6 E., Wisconsin.

executed by Thos. C. Havell, Detailed Clerk, General Land Office.
under his special instructions ~~contract~~, dated May 2d, 1907, ~~190~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) FRED DENNETT
Commissioner of the General Land Office & Ex-of-United States Surveyor General.
ficio for Wisconsin.

I certify that the foregoing transcript of the field notes of the above-described surveys in T. 39 N., R. 6 E., Wisconsin, has been correctly copied from the original notes on file in this office.

Fred Dennett
Commissioner of the Gen. Land Office & Ex-officio United States Surveyor General.
for Wisconsin.