

L 1073

" A "

TRANSCRIPT

F I E L D N O T E S

of the

Resurvey of a Portion Of
The Boundaries and Meander Lines

and

An Extension Survey

in

Sections 4 and 5
Township 38 North, Range 7 East

Of the Fourth Principal Meridian
In the State of Wisconsin.

Executed By

Earl G. Harrington and Jos. C. Thoma, U. S. Cadastral Engineers

In the capacity of U. S. Surveyors, under Special Instructions dated June 2, 1927, issued by the Associate Supervisor of Surveys to govern surveys included in Group No. 19, which were approved by the Commissioner of the General Land Office, June 7, 1927, and Assignment Instructions dated June 21, 1927. Sept. 2

Survey Commenced August 25, 1927

Survey Completed September 13, 1927

RECEIVED & FILED #.	L 1073
Oneida County Surveyor's Office	
Date.....	FEB 2 1928
By.....	M. A. R.
OCS Area #.....	

Resurvey of a Portion of the Boundaries and Meander Lines and an Extension Survey in Secs. 4 and 5, T. 38 N., R. 7 E., 4th Principal Meridian, Wisconsin

Chains

Survey commenced August 25, 1927, and executed with Buff Solar Transit No. 16730, fully equipped and conforming to the standard instrumental specifications adopted by the General Land Office.

I test the adjustments of the instrument and correct all errors. Then test the solar apparatus of the instrument by comparing its indications with a true meridian established by Polaris observation.

August 25, 1927, at my station near the position for

the $\frac{1}{4}$ sec. cor. of secs. 3 and 34, on the north bdy. of sec. 3, T. 38 N., R. 7 E., 4th Prin. Mer., Wisconsin, in latitude $45^{\circ} 49'$ N. and longitude $89^{\circ} 36\frac{1}{2}'$ W., at 7h 41m p. m., l. m. t., I make an hour angle observation on Polaris, east of the Meridian, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from the star westerly, southwest, to a tree about 30 chs. distant.

Local mean time of observation = 7h 41m p.m.

Mean horizontal angle from

Polaris to tree	= $174^{\circ} 36'$
Azimuth of Polaris	= $1^{\circ} 23'$ E.
True bearing of tree	= S. $6^{\circ} 47'$ W.

Test of Solar Apparatus.

August 26, 1927, at 8h 0m a. m., l. m. t., I set off $45^{\circ} 49'$ N. on the lat. arc; $10^{\circ} 40'$ N. on the decl. arc; and determine a meridian with the solar, which I find to agree within 1' of the true meridian. At app. noon, with the lat. arc unchanged, I observe the sun on the meridian, the resulting reading of the decl. arc is $10^{\circ} 36'$ N., which agrees with the computed declination of the sun.

At 4h 0m p. m., l. m. t., with the lat. arc unchanged, I set off $10^{\circ} 33\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

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As all of the solar observations during the usual hours of solar work come within 1' of the true meridian, I conclude that the adjustments of the instrument are satisfactory. The instrument was tested frequently during the progress of the work, always with satisfactory results. All meridian determinations are made with the solar and all measurements are made with a five chain steel tape, compared with a standard steel tape and found correct.

Reestablishment of a Portion of the Boundaries of Sec. 5, as surveyed by Alex Anderson in 1863.

The true position for the corner of secs. 4, 5, 8 and 9 in Tomahawk Lake is determined by single proportional measurement bet. the original meander corner of secs. 4 and 9 and the original meander corner of secs. 5 and 8; and record measurement from the original meander corner of secs. 8 and 9.

From the position for the cor. of secs. 4, 5, 8 and 9, the true point for the original meander corner of secs. 4 and 9, bears S. $84^{\circ} 00'$ E., 7.17 chs. dist. The true point for the corner is determined from the stumps of the original bearing trees.

From the true point for the meander corner the original bearing trees are:

A white pine stump, 24 ins. diam., bears S. $46^{\circ} 30'$ E., 19 lks. dist., mkd. B T and entire blaze showing.

A white pine stump, 20 ins. diam., bears N. $28^{\circ} 45'$ E., 20 lks. dist., The remains of some of the original scribe marks can still be seen although very much weather worn.

As the true point for the original meander corner of secs. 4 and 9 falls in water about two feet deep, therefore, at a point 38 lks. east.

Resurvey of a Portion of the Boundaries and Meander Lines
and an Extension Survey in Secs. 4 and 5, T. 38 N., R. 7 E.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground,
for witness corner to the original meander corner of secs. 4 and
9, with brass cap mkd.

		T 38 N	
W	C	S 4	
M	C	S 9	
		R 7 E	
		1927	

From which

A Norway Pine, 8 ins. diam., bears N. $1^{\circ} 0'$ E., 38
lks. dist., mkd. W C T 38 N R 7 E S 4 M C B T.

A Norway Pine, 10 ins. diam., bears S. $17^{\circ} 45'$ W., 98 lks.
dist., mkd. W C T 38 N R 7 E S 9 M C B T.

From the true position for the cor. of secs. 4, 5, 8 and 9, the
true point for the original meander corner of secs. 8 and 9, bears
S. $3^{\circ} 23'$ W., 9.48 chs. dist. The true point for the original
corner is determined from the stumps of the original bearing trees.
From the true point for the corner the original bearing trees are:

A hemlock stump, 18 ins. diam., bears N. 73° W., 18 lks. dist.
No marks.

A white pine stump, 20 ins. diam., bears N. 35° W., 7 lks.
dist. mkd. T 38 N R 7 E S 8 M C B T.

As the true point for the corner falls in water, about 2 ft. deep,
therefore at a point 5 lks. south.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground,
for a witness corner to the original meander corner of secs.
8 and 9, with brass cap mkd.

		W C M C	
		S 8 S 9	
T	38	N R 7 E	
		1927	

From which

A hemlock, 15 ins. diam., bears S. 7° E., 12 lks. dist., mkd.
W C T 38 N R 7 E S 9 M C B T.

A hemlock, 8 ins. diam., bears S. 70° W., 23 lks. dist., this
tree has been marked and is in good

Resurvey of a Portion of the Boundaries and Meander Lines and
an Extension Survey in Secs. 4 and 5, T. 38 N., R. 7 E.

Chains

condition but on account of the over-growth I am
unable to make out all the scribe marks.

From the true position for the cor. of secs. 4, 5, 8, and 9, the
true point for the original meander corner of secs. 5 and 8,
bears S. $86^{\circ} 10'$ W., 37.64 chs. dist. The true point for the
meander corner is determined from the stump of the original
NW bearing tree.

From the true point for the meander corner the original NW
bearing tree is:

A white pine stump, 20 ins. diam., bears N. 35° W., 27 lks.
dist., mkd. B T.

As the true point for the corner falls in water, about 18 ins.
deep, therefore at a point 30 lks., N. $88^{\circ} 34'$ W.

Set an iron post, 3ft. long, 2 ins. diam., 26 ins. in the ground,
for a witness corner to the original meander corner of secs.
5 and 8, with brass cap mkd.

T 38 N	
S 5	W C
S 8	M C
R 7 E	
1927	

As this corner falls on the grounds of a summer resort no new
bearing trees are marked.

From the true point for the original meander corner of secs. 5 and 8.

Thence

N. $88^{\circ} 34'$ W., on a true line, bet. secs. 5 and 8.

0.30 The witness corner for the original meander corner of secs. 5 and 8,

Thence over rolling land, through scattered timber and brush.

1.40 House, bears North, 10 lks. dist.

Resurvey of a Portion of the Boundaries and Meander Lines and
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Chains

- 4.00 NE cor. of field, bears South and N. $88^{\circ} 34'$ W. Thence along
old fence line along North edge of field. Was told by the
owner of this property that this fence line was built 33
years ago and at that time the line blazes on the trees were
plain.
- 22.80 NW. cor. of field, bears South and S $88^{\circ} 34'$ E. Thence through
timber and brush.
- 33.60 Road, bears NW and SE End of fence line.
- 36.70 Enter an open tamarack swamp, bears N. 70° W. and S. 70° E.
- 42.00 Leave swamp, bears N. 70° W. and S. 70° E. Thence over rolling
land.
- 44.90 The point for the original corner of secs. 5, 6, 7 and 8, which
is marked by the remains of a decayed wooden stake. In place
of wooden stake.
- Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground,
for corner of secs. 5, 6, 7 and 8, with brass cap mkd.

T 38 N R 7 E

S 6	S 5
S 7	S 8
1927	

From which

The remains of the original bearing trees

A large decayed birch stump, bears N. $11^{\circ} 30'$ E., 17 lks.
dist., scribe marks obliterated but the stump checks with
the original record.

A decayed hemlock stump, bears N. $39^{\circ} 15'$ W., 30 lks. dist.,
scribe marks obliterated but the stump checks with the original
record.

Although I considered the old decayed stake and the two stumps as
being direct evidence of the original survey, the position for
the corner is further verified by making a tie to the true point
for the cor. of secs. 1, 6, 7, and 12, on the west bdy. of the town-
ship. The bearing and length of the line bet. secs. 6 and 7 is N.
 $88^{\circ} 25'$ W., 80.01 chs., thus showing that the cor. of secs. 5, 6, 7 and 8

Resurvey of a Portion of the Boundaries and Meander Lines
and an Extension Survey in Secs. 4 and 5, T. 38 N., R. 7E

Chains

is properly related to the west boundary of the township.
The distance to the north shore of Mud Lake on the line bet.
secs. 7 and 8 is 24.60 chs. which checks fairly close to the
original record. This position is also properly related, as
hereinafter shown, to the cor. of secs. 5, 6, 31 and 32, on the
north boundary of the township. The old fence line built 33
years ago, on the line bet. secs. 5 and 8, is further proof that
this is the original corner position.

No trees suitable for bearing trees and pits are impracticable.

Land, rolling.

Soil, sandy; 3rd rate.

Timber, poplar, oak and birch.

Undergrowth, hazel and small timber.

From the corner of secs. 5, 6, 7, and 8.

Thence

N. $0^{\circ} 30'$ W., on a true line, bet. secs. 5 and 6.

Over rolling land, through dense undergrowth.

1.20 Enter an open tamarack swamp, bears N. 70° W. and S. 70° E.

6.00 Leave swamp, bears N. 70° W. and S. 70° E., thence over rolling
land, through timber and brush.

7.40 Road, bears N. 70° W. and S. 70° E.

38.82 To actual shore of Tomahawk Lake, bears E. and W. No evidence of the
original meander corner or bearing trees.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground,
surrounded by a circular mound of stone, for a witness corner to
the original meander corner and $\frac{1}{2}$ sec. cor. of secs. 5 and 6, with
brass cap mkd.

	W C M C	
S	6	S 5
T 38	N R	7E
	1927	

Resurvey of a Portion of the Boundaries and Meander Lines
and an Extension Survey of Secs. 4 and 5, T. 38 N., R. 7 E.

Chains

Thence by triangulation across bay of Tomahawk Lake.

40.07 Proportional distance.

Point for the original meander corner and $\frac{1}{2}$ Sec. cor. falls in
Tomahawk Lake.

69.30 North shore of Tomahawk Lake, bears E. and W.

No evidence of original meander corner.

74.31 The true point for the cor. of secs. 5, 6, 31 and 32 on the
north boundary of the township, established from the stumps of the
original bearing trees.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground,
for the cor. of secs. 5, 6, 31 and 32, with brass cap mkd.

T 39 N R 7 E			
S 31	S 32		
S 6 S 5			
T 38 N			
1927			

From which

The remains of the original bearing trees

A pine stump, 36 ins. diam., bears S. 55° W., 12 lks. dist.,
mkd. B. T.

A hemlock stump, 16 ins. diam., bears N. 83° E., 83 lks. dist.

Original blaze plain but scribe marks obliterated.

And new bearing trees

A hemlock, 12 ins. diam., bears S. $75^{\circ} 30'$ E., 35 lks.
dist., mkd. T 38 N R 7 E S 5 B T.

A red oak, 10 ins. diam., bears N. $49^{\circ} 30'$ W., 28 lks.
dist., mkd. T 39 N R 7 E S 31 B T.

A poplar, 12 ins. diam., bears N. $11^{\circ} 45'$ E., 9 lks.
dist., mkd. T 39 N R 7 E S 32 B T.

Land, rolling.

Soil, sandy; 3rd rate.

Timber, poplar, birch, and oak.

Undergrowth, hazel, oak, and small poplar and birch.

Resurvey of a Portion of the Boundaries and Meander Lines and an Extension Survey in Secs. 4 and 5, T. 38 N., R. 7E

Chains

Preliminary to the reestablishment of the original meander line of Tomahawk Lake in Sec. 5, I calculate the latitudes and departures of the original meanders as returned in the field notes of the original survey, and distributed the closing error thereof, each in proportion to the lengths of the original courses, adopting new corners to the nearest minute, with lengths to the nearest link, and as far as consistent, a similar distribution was made of the small closing error of the present survey, with the resulting traverse on the ground as follows:

From the true point for the original meander corner of secs. 5 and 8. Thence with the adjusted original meanders of Tomahawk Lake through Sec. 5, approximating the actual shore line.

N. 13° 54' E.,	2.12 chs.
N. 33° 45' E.,	5.00 "
N. 46° 13' E.,	2.00 "
N. 63° 49' E.,	1.98 "
N. 30° 30' E.,	2.51 "
No. 30° 27' W.,	7.66 "
N. 14° 54' W.,	5.09 "
N. 30° 58' E.,	2.51 "
N. 6° 46' W.,	2.55 " Adjusted position for

angle point No. 9, Sec. 5.

At this point the adjusted meander line departs from the actual shore line.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for angle point No. 9, Sec. 5, with brass cap mkd.

T 38 N
R 7 E
S 5

AP 9

1927

Resurvey of a Portion of the Boundaries and Meander Lines
and an Extension Survey in Secs. 4 and 5, T. 38 N., R. 7 E.,

Chains

From which

A tamarack, 4 ins. diam., bears S. $54^{\circ} 15'$ W., 15 lks. dist.,
mkd. AP 9 S 5 B T.

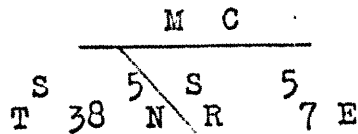
A red oak, 4 ins. diam., bears N. $80^{\circ} 30'$ E., 31 lks. dist.,
mkd. AP 9 S 5 B T.

N. $45^{\circ} 00'$ W., 2.80 chs.

Over level land, through timber and brush.

2.11

To actual shore of Tomahawk Lake, bears E. and W. Set an iron
post 3 ft. long, 2 ins. diam., 26 ins. in the ground, for
meander corner of sec. 5, with brass cap mkd.



1927

From which

A white pine, 8 ins. diam., bears S. $6^{\circ} 30'$ E., 28 lks.,
dist., mkd. S 5 M C B T.

A red oak, 5 ins. diam., bears S. 62° W., 36 lks. dist.,
mkd. S 5 M C B T.

Thence approximating the actual shore line of Tomahawk Lake.

2.80 Adjusted position for angle point No. 10, falls in lake.

N. $76^{\circ} 55'$ W.,	1.02 chs.
N. $88^{\circ} 53'$ W.,	1.53 chs.
S. $62^{\circ} 05'$ W.,	1.52 chs.
S. $80^{\circ} 38'$ W.,	2.03 chs.
N. $66^{\circ} 47'$ W.,	4.59 chs.
N. $35^{\circ} 05'$ W.,	1.03 Chs.
N. $64^{\circ} 44'$ W.,	3.56 chs.
N. $21^{\circ} 35'$ W.,	9.68 chs.
N. $35^{\circ} 22'$ W.,	7.65 chs.
N. $63^{\circ} 45'$ W.,	8.19 chs.
N. $89^{\circ} 15'$ W.,	3.05 chs.
S. $3^{\circ} 01'$ E.,	7.39 chs.
S. $49^{\circ} 40'$ E.,	10.96 chs.
S. $0^{\circ} 58'$ E.,	3.45 chs.

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S. 52° 16' W.,	5.04 chs.
N. 81° 32' W.,	8.15 chs.
N. 56° 56' W.,	2.05 chs.
N. 25° 03' W.,	5.08 chs.
N. 50° 33' W.,	2.04 chs.
N. 28° 15' W.,	1.52 chs.
N. 56° 22' W.,	2.55 chs.
N. 89° 15' W.,	3.05 chs. To the true point for the original meander corner of secs. 5 and 6.

Extension Survey.

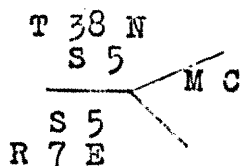
In order to determine a portion of the west boundary of the
public land involved in this survey, I proceed as follows:

From angle point 9, Sec. 5, on the reestablished original meander
line.

Thence

S. 72° 45' E., through timber and brush to the nearest point on
the actual shore of Tomahawk Lake.

1.28 To the actual shore of Tomahawk Lake, bears south and east.
Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the
ground and in a mound of stone, for a meander corner of
Sec. 5, with brass cap mkd.



1927

from which

A red oak, 5 ins. diam., bears S. 66° 45' W., 21 lks.
dist., mkd. S 5 M C B T.

A poplar, 8 ins. diam., bears N. 71° 15' W., 24 lks.
dist., mkd. S 5 M C B T.

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Chains

From the true position for the cor. of secs. 4, 5, 8, and 9, in
Tomahawk Lake.

Thence

North, on a true line, bet. secs. 4 and 5.

Over Tomahawk Lake. (The distance across the lake is obtained
by triangulation and by a computation of the new meanders).

34.24

To actual shore of Tomahawk Lake, bears west and Northeast.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
ground, for a meander corner of Secs. 4 and 5, with brass
cap mkd.

T 38 N	R 7 E
S 5	S 4
M C	
1927	

From which

A norway pine, 8 ins. diam., bears N. 8° E., 64 lks. dist.,
mkd. T. 38 N R 7 E S $\frac{1}{4}$ M C B T.

No other suitable bearing tree available.

Thence over rolling land, through timber and brush.

40.00

Set a galvanized iron pipe, 28 ins. long, 2 ins. diam., 20 ins.
in the ground, for the $\frac{1}{2}$ Sec. cor. of secs. 4 and 5.

From which

A poplar, 4 ins. diam., bears S. $69^{\circ} 15'$ E., $19\frac{1}{2}$ lks. dist.
mkd. $\frac{1}{4}$ S $\frac{1}{4}$ B T.

A poplar, 4 ins. diam., bears N. 40° W., $3\frac{1}{2}$ lks. dist., mkd.
 $\frac{1}{4}$ S 5 B T.

(No regulation iron post available).

40.49

To actual shore of Tomahawk Lake, bears E. and W.

Set a galvanized iron pipe, 28 ins. long, 2 ins. diam., 20 ins.
in the ground, for a meander corner of secs. 4 and 5.

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Chains

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, south of corner.
In this case the mound of stone is a better accessory to the corner
than the small poplars that could be obtained for bearing trees.
(No regulation iron post available).
Land, rolling.
Soil, sandy; 3rd rate.
Timber, small poplar and birch.
Undergrowth, hazel and small timber.

Meanders of Tomahawk Lake.

From the witness corner to the original meander corner of secs.
5 and 8.

Thence with meanders of the actual shore line of Tomahawk Lake,
in Sec. 5.

Along a well defined shore line, at the edge of timber and brush.

N. $36^{\circ} 45'$ E.,	8.40 chs.
N. $64^{\circ} 30'$ E.,	3.60 chs.
N. $40^{\circ} 15'$ E.,	0.80 chs.
N. $14^{\circ} 15'$ E.,	1.00 chs.
N. $12^{\circ} 30'$ W.,	1.20 chs.
No. $32^{\circ} 15'$ W.,	2.00 chs.
N. $19^{\circ} 00'$ W.,	5.50 chs.
N. $32^{\circ} 45'$ W.,	2.80 chs.
North,	1.40 chs.
N. $33^{\circ} 30'$ E.,	1.90 chs.
N. $18^{\circ} 00'$ E.,	0.70 chs.
N. $5^{\circ} 15'$ W.,	0.60 chs.
N. $21^{\circ} 42'$ W.,	2.16 " To the meander corner of sec. 5, set 1.28 chs., S. $72^{\circ} 45'$ E., from angle point No. 9 of the adjusted
N. $66^{\circ} 53'$ E.,	3.41 " original meanders.
N. $89^{\circ} 00'$ E.,	1.50 "

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S. 12° 30' E.,	2.20 chs.	
S. 68° 30' E.,	2.00 "	
S. 88° 30' E.,	1.80 chs.	
S. 73° 00' E.,	2.90 "	
S. 87° 00' E.,	4.20 "	
N. 38° 15' E.,	0.70 "	
N. 11° 00' E.,	1.90 "	
N. 45° 45' E.,	3.80 "	Cabin, bears North about 100 lks. dist.
N. 16° 45' E.,	1.40 "	
N. 16° 15' W.,	1.00 "	
N. 37° 30' W.,	1.00 "	
N. 4° 45' W.,	2.40 "	
N. 20° 45' E.,	2.10 "	
N. 59° 30' E.,	2.60 "	
N. 78° 00' E.,	2.50 "	
N. 68° 15' E.,	2.50 "	
S. 85° 30' E.,	1.50 "	
S. 51° 30' E.,	2.60 "	
S. 61° 30' E.,	1.80 "	
N. 82° 55' E.,	1.62 "	To the M. C. of secs. 4 and 5, which is 34.24 chs. North of the point for the cor. of secs. 4, 5, 8 and 9.

Land, rolling.

Soil, sandy; 3rd rate.

Timber, poplar, oak and birch.

Undergrowth, small timber.

Thence with the meanders of Tomahawk Lake in Sec. 4. Along a well-defined shore line, at the edge of timber and undergrowth.

N. 56° 00' E.,	2.04 chs.
N. 50° 45' E.,	2.80 chs.
S. 83° 30' E.,	3.10 chs.
N. 44° 00' E.,	0.60 chs.

Resurvey of a portion of the boundaries and Meander Lines
and an Extension Survey in Secs. 4 and 5, T. 38 N., R. 7 E.,

Chains

N. 37° 15' W.,	1.60 chs.	
S. 89° 45' W.,	1.10 "	
N. 69° 26' W.,	5.64 "	To the M. C. of Secs. 4 and 5, which is 40.49 chs. North of the point for the cor. of secs. 4, 5, 8 and 9.

Land, rolling.

Soil, sandy; 3rd rate.

Timber, poplar and birch.

Undergrowth, small timber

Thence with the meanders of Tomahawk Lake in Sec. 5.

Along a well defined shore line, at the edge of timber and
undergrowth.

N. 78° 45' W.,	3.90 chs.	
N. 64° 00' W.,	1.50 chs.	
N. 39° 45' W.,	3.40 chs.	
N. 3° 15' W.,	1.60 chs.	
S. 73° 00' W.,	2.40 chs.	
S. 45° 30' W.,	5.50 chs.	
S. 7° 45' E.,	1.90 chs.	
S. 11° 15' W.,	2.30 chs.	
S. 26° 00' W.,	2.00 chs.	
S. 39° 15' W.,	3.30 chs.	
S. 57° 30' W.,	2.90 chs.	
S. 75° 00' W.,	5.00 chs.	
S. 89° 30' W.,	3.35 chs.	
S. 69° 15' W.,	0.90 chs.	
S. 29° 30' W.,	2.30 chs.	
S. 67° 30' W.,	2.20 chs.	
S. 74° 54' W.,	4.45 chs.	To meander cor. of sec. 5, set 2.11 chs., N. 45° W., from angle point No. 9 of the adjusted original meanders.

Resurvey of a Portion of the Boundaries and Meander Lines
and an Extension Survey in Secs. 4 and 5, T. 38 N., R. 7 E.

Chains

N. 78° 33' W.,	3.93 chs.
S. 72° 30' W.,	3.50 chs.
N. 80° 30' W.,	3.50 "
N. 32° 15' W.,	2.50 "
N. 50° 00' W.,	1.50 "
N. 81° 30' W.,	1.40 "
N. 22° 15' W.,	3.40 "
N. 32° 15' W.,	3.90 "
N. 2° 45' W.,	3.30 "
N. 65° 00' W.,	1.80 "
N. 33° 45' W.,	3.60 "
N. 59° 30' W.,	2.80 "
N. 68° 15' W.,	2.30 "
N. 59° 15' W.,	4.20 "
N. 25° 45' W.,	3.40 "
N. 17° 00' E.,	3.10 "
N. 6° 30' E.,	0.90 "
S. 60° 30' W.,	1.50 "
S. 33° 30' W.,	3.10 "
S. 77° 30' W.,	2.40 "
S. 39° 00' W.,	0.60 "
S. 26° 45' E.,	2.60 "
S. 35° 30' E.,	1.50 "
S. 43° 30' E.,	2.30 "
S. 30° 45' W.,	5.00 "
S. 20° 45' W.,	1.90 "
S. 3° 45' W.,	1.20 "
S. 15° 00' E.,	1.40 "
S. 46° 30' E.,	0.70 "
S. 77° 30' E.,	1.50 "
S. 84° 00' E.,	1.70 "
N. 76° 15' E.,	2.80 "
N. 36° 15' E.,	2.50 "
S. 52° 30' E.,	2.30 "
S. 18° 45' E.,	0.80 "
S. 7° 45' W.,	3.00 "

Resurvey of a Portion of the Boundaries and Meander Lines
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S. 76° 00' W.,	1.20 chs.	
N. 65° 00' W.,	2.20 chs.	
N. 81° 00' W.,	3.50 chs.	
S. 77° 45' W.,	1.70 chs.	
N. 73° 15' W.,	2.30 chs.	
N. 47° 30' W.,	1.80 chs.	
N. 15° 45' W.,	3.80 chs.	
N. 39° 15' W.,	1.00 chs.	
N. 49° 15' W.,	4.40 chs.	
N. 86° 15' W.,	3.80 chs.	To the witness corner for the

original meander corner of

Land rolling.

sections 5 and 6.

Soil, sandy; 3rd rate.

Timber, poplar and birch.

Undergrowth, small timber.

General Description.

Special Instructions dated June 2, 1927, issued by the Associate Supervisor of Surveys, provided for the examination and conditional survey of certain alleged unsurveyed lands bordering Tomahawk Lake in Section 5, T. 38 N., R. 7 E., 4th P. M. Wisconsin.

A portion of the original meander line is found to be erroneous in its representation of Tomahawk Lake as it existed in 1848 when Wisconsin was admitted into the Union, in 1863 when the township was subdivided and at the present time. It appears that a portion of the shore line of the lake was actually determined upon the ground. The adjusted position for the original meander line approximates the actual shore line throughout the section except at angle point No. 9, where said original meander line cuts across a point of land which extends easterly about one half mile. This point of land was never included in the original survey. The original meander line is, therefore, reestablished across this point of land and becomes

Resurvey of a Portion of the Boundaries and Meander Lines
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Chains

the fixed boundary of lot 2, sec. 5. Riparian rights do not attach to the omitted area.

The shore line of the lake is well defined. The water level at the present time is approximately four feet higher than it was when the original survey was executed. This determination is based upon the fact that stumps of the original bearing trees are now standing in water which is about 3 feet deep.

The land omitted from the original survey executed in 1863 and included in this survey is all high, dry, and rolling and none of it is subject to selection under the Swamp Land Act. The area is covered with second growth timber, consisting of poplar, birch, oak and pine. Numerous large stumps are found over the area, thus showing that at one time there was a growth of large timber on this point of land. The average elevation of the land above the present water level is at least 20 feet.

Where the reestablished meander line crosses the point the elevation of the land is approximately 5 feet above the present water level. Based upon the fact that the present water level is four feet higher than it was in 1863, I am firmly convinced that the point of land always has been attached to the mainland and never was an island.

No indication of any mineral deposits were observed. The soil is sandy, classed as third rate and is suitable for agriculture purposes.

The town of Tomahawk Lake is situated about 4 miles east of the omitted area.

A cabin built by F. A. Woodzicka of Tomahawk Lake, Wisconsin, is on the omitted area. No other improvements were observed.

(Signed) Earl G. Harrington.

U. S. Cadastral Engineer

(Signed) Jos. C. Thoma.

U. S. Cadastral Engineer.

FIELD ASSISTANTS

Jos. C. Thoma, Jr.,

Jack Blanchard

Principal Assistant.

Axeman.

I, Earl G. Harrington, U. S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the Associate Supervisor of Surveys, bearing date of the 2nd day of June, 1927, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the resurvey of a portion of the boundaries and meander lines and an extension survey in Sections 4 and 5, Township 38 North, Range 7 East, of the Fourth Principal Meridian, in the State of Wisconsin, which are represented in the foregoing field notes as having been executed by me, and under my direction; and 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 Associate Supervisor of Surveys, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

(Signed) Earl G. Harrington
 U. S. Cadastral Engineer

APPROVAL

Office of the Supervisor of Surveys,
 Denver, Colorado, December 3, 1927

The foregoing field notes of the resurvey of a portion of the boundaries and meander lines and an extension survey in Sections 4 and 5, Township 38 North, Range 7 East of the Fourth Principal Meridian, in the State of Wisconsin, executed by Earl G. Harrington, U. S. Cadastral Engineer, under his special instructions dated June 2, 1927, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the survey they describe, are hereby approved.

Grant M. Johnson
 U. S. Supervisor of Surveys

I certify that the foregoing transcript of the field notes of the above-described surveys in Group 19, Wisconsin, has been correctly copied from the original notes.

Grant M. Johnson
 U. S. Supervisor of Surveys