

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DUPLICATE

FIELD NOTES

OF THE

DEPENDENT RESURVEY AND EXTENSION SURVEY

INCLUDING LANDS ERRONEOUSLY OMITTED

FROM THE ORIGINAL SURVEY,

SECTION 29,

TOWNSHIP 39 NORTH, RANGE 9 EAST,

Of the FOURTH PRINCIPAL Meridian,

In the State of WISCONSIN

EXECUTED BY

Hugh B. Crawford, Associate Cadastral Engineer

Under special instructions dated June 9, 1950, which provided
and supplemental instructions dated July 19, 1950

for the surveys included under Group No. 62, approved

and assignment instructions dated July 26, 1950

Survey commenced August 14, 1950

Survey completed August 25, 1950

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Ontida County Surveyor's Office	
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

INDEX DIAGRAM

Township 39 N., Range 9 E.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	7 6 29 4	3 28 BY	27 EXECUTED	26	25
31	32	33	34	35	36

16-56770-1

Subdivisional lines of sec. 29, Pg. 8
Adjusted meanders of 1863, 120
Meanders of Sand Lake, 14
General Description, 15

Subdivisional lines of sec. 29, Pg. 8
Adjusted meanders of 1863, 120
Meanders of Sand Lake, 14
General Description, 15

11
11

Survey conducted
Survey conducted

Dependent Resurvey of Section Boundaries and Survey of
Lands Omitted from the Original Survey, Sec. 29,
T. 39 N., R. 9 E., 4th Prin. Mer., Wisconsin.

The subdivision and meander lines of T. 39 N., R. 9 E., were surveyed by William E. Daugherty, Deputy Surveyor, in 1863. The official survey is represented on the plat approved June 9, 1864. That plat represents several meandered lakes including one situated in secs. 20, 21 and 29; that lake is now known as Sand Lake. The following field notes are those of a dependent resurvey or reestablishment of the boundaries of sec. 29, and extension survey including lands erroneously omitted from the original survey in sec. 29.

The survey was initiated as an administrative measure upon the application and representations of Carl O. Borge, Amherst Junction, Wisconsin, for the survey of lands purportedly omitted from the original survey in sec. 29 of this township.

Preliminary to the resurvey the lines of the original survey were retraced, and diligent search made for all corner posts, bearing trees, and other calls of the original field note record. When duly identified the corner positions were remonumented and new bearing trees marked.

Direct control was found for all original corner positions except the meander corners and the $\frac{1}{4}$ sec. cor. of secs. 28 and 29, where single proportionate measurements were applied in order to ascertain the position of these corners. The true lines, thus adjusted to the identified original evidence, were then duly run and marked through the timber.

The examination disclosed that a considerable area of land bordering on the southerly shore of Sand Lake, in sec. 29, was omitted from the original survey by reason of the grossly erroneous character of the reported original meanders of the lake in that section. The land so omitted has the status of public land.

The resurvey of the boundaries of sec. 29 presented considerable distortion and deficiency in lengths in those lines over the original record. To reach a more equitable location for the recorded meander line of the lake in sec. 29, proportionate points for the crossings of the recorded meanders on the sectional subdivision lines were determined, as calculated from the original record and adjusted to the resurvey. Then preliminary to the establishment of the original meander line, the latitudes and departures of the recorded courses were calculated and adjusted to a closing with the several proportioned points on the subdivisional lines, distributing the closing error in each quarter along the several meander courses in proportion to the length of each course, adopting new courses to the nearest minute and lengths to the nearest link. So much of this adjusted line as forms the boundary between the lands included in the original survey and those erroneously omitted therefrom, has been established on the ground as a fixed and limiting boundary, with the angle points thereon monumented with regulation corner monuments, appropriately marked and witnessed. The present shore of Sand Lake in sec. 29, was meandered. The survey to include the lands omitted from the original survey is made in accordance with the provisions of Chapter 3 of the Manual.







In order to simplify the record, the true line notes only are supplied herewith, which refer to the completed surveys.

The survey is executed with a solar transit made by Buff and Buff, serial No. 17997, constructed in accordance with the standard specifications of the Bureau of Land Management. The horizontal circle has a diameter of $4\frac{1}{2}$ inches, with two double opposite verniers reading to single minutes; the vertical circle has a diameter of 4 inches, with one double vernier reading to single minutes. The instrument is equipped with the improved Smith solar attachment, radius of latitude arc 3 inches, and of declination arc $3\frac{1}{2}$ inches, each with verniers reading to single minutes. The instrument was in good condition and was placed in satisfactory adjustment prior to the beginning of the survey.

Dependent Resurvey of Section Boundaries and Survey of
Lands Omitted from the Original Survey, Sec. 29,
T. 39 N., R. 9 E., 4th Prin. Mer., Wisconsin.

The directions of all lines herein reported were initially determined with the solar transit, carried forward by the transit angle method and verified by a meridian established by an altitude observation of the sun. The measurements were made with a steel tape, 5 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tape was tested by comparison with a standard tape and found correct.

August 15, 1950, at the cor. of secs. 28, 29, 32 and 33, T. 39 N., R. 9 E., in approximate latitude $45^{\circ} 49' 58''$ N. and longitude $89^{\circ} 23' 03''$ W., I make a series of three observations of the sun for azimuth, each with the telescope in direct and reversed positions, observing opposite limbs of the sun, by sighting at a flag on the random line west of the station, transiting the telescope and reading the horizontal deflection angles to the right to the sun.

Observation	Telescope	Sun	Apparent time a.m.	Vertical angle	Horizontal angle
1st	Direct			$27^{\circ} 57' 30''$	$9^{\circ} 35' 30''$
1st	Reversed			$27^{\circ} 44' 00''$	$9^{\circ} 15' 30''$
	Mean			$27^{\circ} 50' 45''$	$9^{\circ} 25' 30''$
2nd	Reversed			$28^{\circ} 23' 00''$	$10^{\circ} 00' 00''$
2nd	Direct		$7^h 45^m$	$27^{\circ} 59' 00''$	$9^{\circ} 36' 30''$
	Mean		$7^h 45^m$	$28^{\circ} 11' 00''$	$9^{\circ} 48' 15''$
3rd	Direct			$28^{\circ} 39' 00''$	$10^{\circ} 22' 00''$
3rd	Reversed			$28^{\circ} 21' 00''$	$9^{\circ} 58' 30''$
	Mean			$28^{\circ} 30' 00''$	$10^{\circ} 10' 15''$

By 1st observation flag bears $S. 89^{\circ} 01' 49''$ W.
By 2nd observation flag bears $S. 89^{\circ} 01' 49''$ W.
By 3rd observation flag bears $S. 89^{\circ} 01' 16''$ W.

Mean true bearing of flag $S. 89^{\circ} 01' 38''$ W.

The declination of the sun for the mean of the three observations is $14^{\circ} 07' 50''$ N.

Dependent Resurvey of the Boundaries of Sec. 29,
T. 39 N., R. 9 E., 4th Prin. Mer., Wisconsin.

Chains

Reestablishment of a Portion of the Survey Executed by
William E. Daugherty, Deputy Surveyor, in 1863.

The point for the cor. of secs. 28, 29, 32 and 33 is determined from an original bearing tree. Point falls in the north track of a graded road, bearing E. and W.

from which

An original bearing tree

A white pine, 24 ins. diam., bears N. 16° E., 13 lks. dist., with burnt out blaze, and new marks BT 29/28/32/33.

At the corner point

Set a concrete monument, 12 ins. long, 6 ins. diam., 18 ins. in the ground, with brass tablet, 3½ ins. diam., 3 in. stem, embedded in top, mkd.



from which

An iron post, 30 ins. long, 2 ins. diam., set 22 ins. in the ground, for a reference monument, bears NORTH, 38 lks. dist., with brass cap mkd. T39N R9E S28 RM 1950, with an arrow pointing to the cor.

An iron post, 30 ins. long, 2 ins. diam., set 22 ins. in the ground, for a reference monument, bears SOUTH, 38 lks. dist., with brass cap mkd. T39N R9E S33 RM 1950, with an arrow pointing to the cor.

A popple, 10 ins. diam., bears N. 50½° E., 73½ lks. dist., mkd. T 39 N R 9 E S 28 B T.

A popple, 5 ins. diam., bears S. 45¾° E., 66½ lks. dist., mkd. T 39 N R 9 E S 33 B T.

A popple, 4 ins. diam., bears S. 79° W., 155 lks. dist., mkd. T 39 N R 9 E S 32 B T.

A popple, 6 ins. diam., bears N. 33½° W., 50 lks. dist., mkd. T 39 N R 9 E S 29 B T.

N. 6° 16' W., bet. secs. 28 and 29, marking and blazing the true line.

Over rolling land, through timber and undergrowth.

28.10 Logging trail, bearing E. and W.

29.14 A popple post, 4 ins. square, protruding 4½ ft. above the ground, bears EAST, 2½ lks. dist., mkd. ¼ on N. and W. faces. This post was set recently by the Oneida County Surveyor.

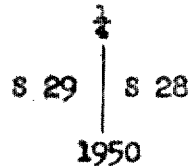
29.72 Point for the ¼ sec. cor. of secs. 28 and 29, at proportionate distance; there is no remaining evidence of the original corner post or bearing trees.

Set an iron post, 30 ins. long, 2 ins. diam., 24 ins. in the ground, with brass cap mkd.

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Dependent Resurvey of the Boundaries of Sec. 29,
T. 39 N., R. 9 E., 4th Prin. Mer., Wisconsin.

Chains



from which

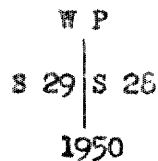
A birch, $\frac{1}{4}$ ins. diam., bears N. 73° E., 30 lks. dist.,
mkd. $\frac{1}{4}$ S 28 B T.

A white pine, 10 ins. diam., bears S. $33\frac{3}{4}^{\circ}$ W., $62\frac{1}{2}$ lks.
dist., mkd. $\frac{1}{4}$ S 29 B T. This tree is also marked on the
east face for the local $\frac{1}{4}$ sec. cor.

52.65

Leave rolling land, enter swamp and flowage area, bearing E. and W.

Set an iron post, 30 ins. long, 2 ins. diam., $2\frac{1}{4}$ ins. in the ground,
for witness point, with brass cap mkd.



from which

A maple, 7 ins. diam., bears S. 44° E., 38 lks. dist.,
mkd. WP S 28 B T.

A maple, 7 ins. diam., bears S. $32\frac{1}{2}^{\circ}$ W., $13\frac{1}{2}$ lks. dist.,
mkd. WP S 29 B T.

Thence over flowage area; open floating bog marsh, with dead spruce
and tamarack.

59.44

The point for the cor. of secs. 20, 21, 28 and 29 is marked by a
cedar post, 8 ins. sq., protruding $\frac{1}{4}$ ft. above the ground, mkd. S 21
on NE., S 28 on SE., S 29 on SW. and S 20 on NW. This post is recog-
nized by all interested persons as properly marking the corner and I
accept it as the best available evidence of the position of the orig-
inal corner.

I did not monument this point as an iron post would be buried most
of the time in flowage and the cedar post is as good as one I would
set; therefore I left this post and established witness points on
each line at the edge of the flowage.

Land, rolling and level.

Soil, sandy loam, with some stone.

Timber, popple, birch, maple, spruce and pine; undergrowth, young
timber, hazel brush and alder.

I return to the cor. of secs. 28, 29, 32 and 33.

S. $88^{\circ} 53'$ W., bet. secs. 29 and 32.

Over gently rolling land, along a graded road, with timber and under-
growth N. and S. of road.

42.77

The point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32 is marked by an
iron pipe, 1 in. diam.; protruding $\frac{1}{4}$ ins. above the ground, set on
the outside of turn in road, near the projection of the center line
of road bearing S. and on the line of the S. edge of the road bearing
E. and witnessed by local bearing trees. This iron pipe is recognized
by all interested persons as properly marking the corner and I accept
it as the best available evidence of the position of the original
corner.

Dependent Resurvey of the Boundaries of Sec. 29,
T. 39 N., R. 9 E., 4th Prin. Mer., Wisconsin.

Chains

from which

Local bearing trees

A white pine, 18 ins. diam., bears S. 57° E., 86 lks. dist., mkd. $\frac{1}{4}$ S B T.; these are new marks.

A Norway pine, 18 ins. diam., bears N. 38° W., 19 lks. dist., mkd. $\frac{1}{4}$ S B T.; these are new marks.

At the corner point

Set an iron post, 30 ins. long, 2 ins. diam., 22 ins. in the ground, with brass cap mkd.

$\frac{1}{4}$ $\frac{S\ 29}{S\ 32}$
 1950

from which

A Norway pine, 14 ins. diam., bears N. 84 $\frac{3}{4}$ ° W., 41 $\frac{1}{2}$ lks. dist., mkd. $\frac{1}{4}$ S 29 B T.

A Norway pine, 7 ins. diam., bears S. 41° W., 24 $\frac{1}{2}$ lks. dist., mkd. $\frac{1}{4}$ S 32 B T.

Reset the iron pipe alongside.

S. 88° 47' W., beginning new measurement.

Over rolling land, through timber and undergrowth.

- 14.40 Leave rolling land, enter swamp, bearing NE. and SW.
- 20.50 Leave swamp, enter rolling land, bearing SE. and NW., curving N.
- 31.80 Leave rolling land, enter swamp, bearing N. and S.
- 34.40 Leave swamp, enter rolling land, bearing N. and S.
- 38.20 Right bank of flowage of creek connecting a chain of lakes, course N.
- 42.90 Left bank of flowage.

43.26 The point for the cor. of secs. 29, 30, 31 and 32 is marked by an iron pipe, 24 ins. long, 1 $\frac{1}{2}$ ins. diam., projecting 1 in. above the ground and witnessed by local bearing trees. This iron pipe is recognized by the adjoining owners as being properly located and is accepted as being the best available evidence of the position of the original corner.

from which

Local bearing trees

A jack pine, 11 ins. diam., bears N. 60° W., 10 lks. dist., mkd. S 30; this tree was recorded by Mr. Vaughn, Oneida County surveyor, in 1922.

A fallen jack pine, 13 ins. diam., bears S. 11° E., 25 $\frac{1}{2}$ lks. dist., mkd. S 31 B T.; these marks are quite new.

At the corner point

Set an iron post, 30 ins. long, 2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Dependent Resurvey of the Boundaries of Sec. 29,
T. 39 N., R. 9 E., 4th Prin. Mer., Wisconsin.

Chains

T 39 N R 9 E
S 30 S 29
S 31 S 32
1950

from which

A birch, 8 ins. diam., bears EAST, $23\frac{1}{2}$ lks. dist., mkd. T 39 N R 9 E S 32 BT.

A jack pine, 5 ins. diam., bears S. 67° W., $18\frac{1}{2}$ lks. dist., mkd. T 39 N R 9 E S 31 BT.

A jack pine, 11 ins. diam., bears N. 60° W., 10 lks. dist., mkd. T 39 N R 9 E S 30 BT. This is the tree recorded by Mr. Vaughn, in 1922.

No tree available in sec. 29.

Reset the iron pipe alongside to W.

Land, gently rolling, rolling and level.

Soil, sandy loam.

Timber, popple, birch, spruce pine, balsam, cedar and tamarack; undergrowth, young timber and alder.

N. 1° $04'$ W., bet. secs. 29 and 30.

Over gently rolling land, through timber and undergrowth.

0.30 Thence along W. edge of swamp.

1.30 Leave W. edge of swamp.

3.60 Leave gently rolling land, enter swamp and flowage, bearing E. and W.

39.88 The point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 30 is marked by an iron pipe, setting under $\frac{1}{4}$ ft. of flowage water and witnessed by an original bearing tree.

from which

An original bearing tree

A tamarack stub, 6 ins. diam., bears S. 52° E., 15 lks. dist., mkd. $\frac{1}{4}$ S.

I did not remonument this point as it is buried in flowage most of the time.

At a point WEST, 3.00 chs. dist., at edge of swamp and flowage

Set an iron post, 30 ins. long, 2 ins. diam., 22 ins. in the ground, for witness corner with brass cap mkd.

W C
$\frac{1}{4}$
S 30 S 29
1950

from which

A maple, 6 ins. diam., bears N. 55° W., 24 lks. dist., mkd. X B T.

Dependent Resurvey of the Boundaries of Sec. 29,
T. 39 N., R. 9 E., 4th Prin. Mer., Wisconsin

Chains

A maple, 6 ins. diam., bears S. 35° W., 66½ lks.
dist., mkd. X B T.

N. 4° 59' W., beginning new measurement.

Continuing in flowage area.

25.58

The point for the cor. of secs. 19, 20, 29 and 30, is marked by an iron pipe, 2 ins. diam., protruding 2¼ ins. above the ground, with copper cap, no mks., and witnessed by a local bearing tree. This pipe is recognized by all interested persons as properly marking the corner and is accepted as the best available evidence of the position of the original corner.

from which

A local bearing tree

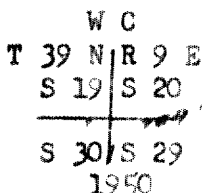
A white pine, 18 ins. diam., bears N. 80¼° W.,
13¼ lks. dist., mkd. S 19 B T.

There are wooden posts set around the iron post.

I did not monument this point as it is buried in flowage most of the time and another post would not add to its permanency.

At a point WEST, 1.40 chs. dist., at edge of swamp and flowage.

Set an iron post, 30 ins. long, 2 ins. diam., 26 ins. in the ground, for witness corner, with brass cap mkd.



from which

A white pine, 18 ins. diam., bears N. 18° E., 23½ lks. dist., mkd. X B T. This is the same as recorded from the true cor. point.

A white pine, 10 ins. diam., bears S. 16° E., 20 lks. dist., mkd. X B T.

Land, gently rolling and level.

Soil, sandy loam.

Timber, birch, popple and jack pine on upland; dead cedar, spruce and tamarack in swamp and flowage area; undergrowth, young timber and alder.

From the cor. of secs. 20, 21, 28 and 29.

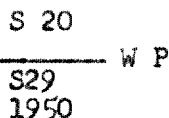
N. 86° 53' W., bet. secs. 20 and 29.

Over level swamp land, through flowage area.

6.40

Leave swamp and flowage area, enter rolling land, on island formed by flowage, bearing N. and S.

Set an iron post, 30 ins. long, 2 ins. diam., 20 ins. in the ground, for witness point, with brass cap mkd.



Dependent Resurvey of the Boundaries of Sec. 29,
T. 39 N., R. 9 E., 4th Prin. Mer., Wisconsin.

Chains	From which
	<p>A birch, 8 ins. diam., bears S. $63\frac{1}{4}^{\circ}$ W., $22\frac{1}{2}$ lks. dist., mkd. W P S 29 B T.</p> <p>A maple, 5 ins. diam., bears N. $21\frac{1}{2}^{\circ}$ W., 18 lks. dist., mkd. W P S 20 B T.</p>
7.40	Proportionate distance for the meander cor. of secs. 20 and 29, falls on rolling upland; there is no remaining evidence of the original cor. post or bearing trees. Due to lack of physical evidence of this cor. point, I proceed to the shore of Sand Lake as the best available evidence for the position for this corner.
8.57	<p>The shore of Sand Lake.</p> <p>Set an iron post, 30 ins. long, 2 ins. diam., 22 ins. in the ground, for meander corner, with brass cap mkd.</p>
	<p style="text-align: center;">T 39 N S 20 MC /-----\ S 29 R 9 E 1950</p>
	<p>from which</p> <p>A maple, 8 ins. diam., bears S. 88° E., 118 lks. dist., mkd. T 39 N R 9 E S 20 M C B T.</p> <p>A birch, 5 ins. diam., bears S. $31\frac{1}{2}^{\circ}$ E., 9 lks. dist., mkd. T 39 N R 9 E S 29 M C B T.</p> <p>Thence over Sand Lake, distance determined by traverse.</p>
41.30	Point for $\frac{1}{4}$ sec. cor., at proportionate distance; point falls in lake.
72.13	Point for the meander cor. of secs. 20 and 29, at proportionate distance, falls in flowage area near what formerly was the west shore of Sand Lake; flowage too deep to establish a monument.
82.60	<p>The cor. of secs. 19, 20, 29 and 30.</p> <p>Land, level and rolling; soil, sandy loam. Timber, birch and maple; undergrowth, young timber and alder.</p>
Subdivision of Section 29	
	From the reestablished $\frac{1}{4}$ sec. cor. of secs. 28 and 29, as hereinbefore described.
	N. $84^{\circ} 08'$ W., on the latitudinal center line of sec. 29.
	Over rolling land, through timber and undergrowth.
4.20	Logging trail, bearing N. 30° W. and S. 30° E.
8.40	Road to Sand Lake, bearing N. 37° W. and S. 37° E.
21.26	Point for the center E. $1/16$ sec. cor. I did not monument this point.
42.52	The meridional center line of sec. 29 as hereinafter described.
49.22	Leave rolling land, enter swamp, bearing N. and S.
53.52	Leave swamp, enter gently rolling land, bearing N. and S.

Survey of Lands Omitted from the Original
Survey in Sec. 29, T. 39 N., R. 9 E.,
4th Prin. Mer., Wisconsin

Chains	
55.42	Logging trail, bearing NE and SW.
63.24	Point for the center W. 1/16 sec. cor. I did not monument this point.
65.12	Leave gently rolling land, enter swamp, bearing N. and S.
66.52	Leave swamp, enter gently rolling land, bearing N. and S.
73.22	Leave gently rolling land, enter swamp and flowage area, bearing N. and S.
83.96	The true point for the $\frac{1}{4}$ cor. of secs. 29 and 30, as hereinbefore described. Land, rolling, gently rolling and level. Soil, sandy and stony loam. Timber, popple, birch, hemlock, balsam and spruce; undergrowth, young timber, hazel brush and alder.
	From the $\frac{1}{4}$ sec. cor. of secs. 29 and 32, as hereinbefore described. N. $4^{\circ} 34'$ W., on the meridional center line of sec. 29, on mean bearing. Over rolling land, through timber and undergrowth.
7.70	Leave rolling land, enter swamp, bearing NE. and SW.
14.50	Leave swamp, enter rolling land, bearing NW. and SE.
34.84	The point for the center $\frac{1}{4}$ sec. cor., at the intersection with the latitudinal center line. I did not monument this point.
37.57	Point for adjusted record meander line of Sand Lake, at proportionate distance. Set an iron post, 30 ins. long, 2 ins. diam., 24 ins. in the ground, with brass cap mkd. A P 6 <hr/> T 39 N R 9 E S 29 1950
	from which A birch, 5 ins. diam., bears N. $61\frac{1}{2}^{\circ}$ E., $27\frac{1}{2}$ lks. dist., mkd. A P 6 S 29 B T. A birch, 6 ins. diam., bears S. 39° E., 40 lks. dist., mkd. A P 6 S 29 B T.
62.37	Point for $\frac{1}{4}$ sec. cor., secs. 20 and 29, in Sand Lake. Land, rolling and level. Soil, sandy loam. Timber, birch, popple, balsam, hemlock and ash; undergrowth, young timber and alder.
	From the point for the center W. 1/16 sec. cor. of sec. 29. N. $4^{\circ} 46'$ W., on the W. 1/16 sec. line. (Mean bearing). Over gently rolling land, through timber and undergrowth.
4.36	Point for adjusted record meander line, at proportionate distance.

Survey of Lands Omitted from the Original
Survey in Sec. 29, T. 39 N., R. 9 E.,
4th Prin. Mer., Wisconsin.

Chains

Set an iron post, 30 ins. long, 2 ins. diam., 26 ins. in the ground, with brass cap mkd.

A P
4
T 39 N
R 9 E
S 29
1950

from which

A birch, 5 ins. diam., bears S. 68° W., 14½ lks. dist., mkd. AP 4 S 29 B T.

A birch, 6 ins. diam., bears N. 4¼° W., 90 lks. dist., mkd. AP 4 S 29 B T.

26.57 Point for W. 1/16 sec. cor., secs. 20 and 29, in Sand Lake.

Land, gently rolling.

Soil, sandy loam.

Timber, birch and popple; undergrowth, young timber.

From the point for the center E. 1/16 sec. cor. of sec. 29.

N. 5° 25' W., on the E. 1/16 sec. line.

Over rolling land, through timber and undergrowth.

5.00 Enter recently cut over land.

13.92 Point for adjusted record meander line, at proportionate distance.

I did not monument this point because of its nearness to angle point No. 8 of the adjusted meanders, which point I determined by a line from angle point No. 7 passing through this point on the E. 1/16 sec. line to the calculated position for the N. 1/16 sec. line.

28.62 Point for E. 1/16 sec. cor., secs. 20 and 29, in Sand Lake.

Land, rolling.

Soil, sandy and stony loam.

Timber, birch and popple; undergrowth, young timber.

Establishment of a Portion of the Recorded
Original Meander Line of Sand Lake in
Sec. 29, as a Fixed and Limiting Boundary

An examination made in connection with the present survey, disclosed that the recorded original meander line of Sand Lake, in Sec. 29 is grossly erroneous and that a considerable area of public land situated between the recorded meander line and the actual shore line of Sand Lake was omitted from the original survey of the township.

The resurvey of the boundaries of sec. 29 disclosed considerable distortion and a deficiency in lengths of those lines. To reach a more equitable location for the record meander line of the lake, proportionate points for the crossings of the meridional subdivision lines of the section with the recorded meander line were determined. Then, preliminary to the establishment of the original meander line, the latitudes and departures of the recorded courses were calculated and adjusted to a closing with the proportioned points of the meridional subdivision lines, distributing the closing errors along the several meander courses in proportion to the length of each course,

Survey of Lands Omitted from the Original
Survey in Sec. 29, T. 39 N., R. 9 E.,
4th Prin. Mer., Wisconsin

Chains

adopting new courses to the nearest minute and lengths to the nearest link. So much of this adjusted line as forms the boundary between the lands included in the original survey and those erroneously omitted therefrom, has been established on the ground as a fixed and limiting boundary, as follows:

From the point for the meander cor. of secs. 20 and 29, on W. shore of Sand Lake, hereinbefore described.

Across flowage area near mouth of creek, with the adjusted meanders of 1863.

S. 8° 48' W., 4.21 chs.

4.21 Adjusted position for angle point No. 1, falls in flowage.

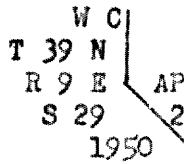
S. 3° 53' E., 6.04 chs.

6.04 Adjusted position for angle point No. 2, falls in flowage; impractical to establish a monument. This point is near the normal edge of the water line; I begin the omitted land survey here.

S. 35° 57' E., 14.39 chs.

4.79 Leave flowage area, enter low land, with timber and undergrowth, at point selected for witness angle Point No. 2.

Set an iron post, 30 ins. long, 2 ins. diam., 22 ins. in the ground, with brass cap mkd.



from which

A birch, 4 ins. diam., bears S. 84½° E., 57 lks.
dist., mkd. WC A P 2 S 29 B T.

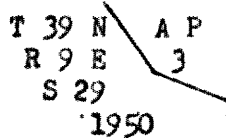
A birch, 5 ins. diam., bears S. 2° W., 18 lks.
dist., mkd. WC A P 2 S 29 B T.

6.40 Leave low land, enter swamp, bearing NE. and SW.

7.60 Leave swamp, enter rolling land, bearing NE. and SW.

14.39 Adjusted position for angle point No. 3.

Set an iron post, 30 ins. long, 2 ins. diam., 22 ins. in the ground, with brass cap mkd.



from which

A birch, 4 ins. diam., bears N. 11° E., 8½ lks.
dist., mkd. A P 3 S 29 B T.

A birch, 7 ins. diam., bears S. 0° 30' E., 52 lks.
dist., mkd. A P 3 S 29 B T.

S. 77° 22' E., 3.91 chs.

3.91 Angle point No. 4 at the point of the W. 1/16 sec. line, hereinbefore described.

Survey of Lands Omitted from the Original
 Survey in Sec. 29, T. 39 N., R. 9 E.,
 4th Prin. Mer., Wisconsin

Chains

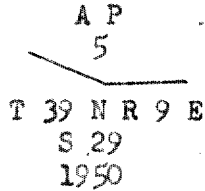
Thence over gently rolling land.

S. 65° 10' E., 10.89 chs.

9.95 Logging trail, bearing N. 25° E. and S. 40° W.

10.89 Adjusted position for angle point No. 5.

Set an iron post, 30 ins. long, 2 ins. diam., 24 ins. in the ground, with brass cap mkd.



From which

A popple, 8 ins. diam., bears NORTH, 13 lks. dist., mkd. A P 5 S 29 B T.

A spruce, 5 ins. diam., bears S. 59½° E., 44½ lks. dist., mkd. A P 5 S 29 B T.

N. 85° 38' E., 10.90 chs.

0.72 Leave gently rolling land, enter swamp, bearing N. and S.

4.70 Leave swamp, enter rolling land, bearing NW. and SE.

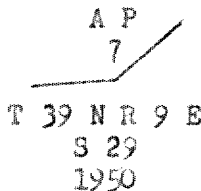
10.54 Popple. 9 ins. diam., on my line.

10.90 Angle point No. 6 at the point of the meridional center line, hereinbefore described.

N. 89° 00' E., 12.67 chs.

12.67 Adjusted position for angle point No. 7.

Set an iron post, 30 ins. long, 2 ins. diam., 26 ins. in the ground, with brass cap mkd.



from which

A hemlock, 7 ins. diam., bears N. 30¼° E., 23½ lks. dist., mkd. A P 7 S 29 B T.

A hemlock, 8 ins. diam., bears S. 63½° E., 40 lks. dist., A P 7 S 29 B T.

Leave timber at angle point No. 7, enter recently cut-over land.

N. 40° 13' E., 11.91 chs.

5.85 Logging trail, bearing N. 70° W. and S. 70° E.

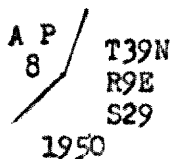
11.45 Point on the E. 1/16 sec. line, heretofore described.

11.91 Adjusted position for angle point No. 8 on calculated N. 1/16 sec. line.

Survey of Lands Omitted from the Original
Survey in Sec. 29, T. 39 N., R. 9 E.,
4th Prin. Mer., Wisconsin

Chains

Set an iron post, 30 ins. long, 2 ins. diam., 22 ins. in the ground, with brass cap mkd.



from which

A hemlock stump, 16 ins. diam., bears S. 8° E.,
11 lks. dist., mkd. AP8 S29 BS.

A hemlock stump, 16 ins. diam., bears N. 12° W.,
19 lks. dist., mkd. AP8 S29 BS.

N. 23° 49' E., 10.27 chs.

1.78 Road, bearing N. 32½° W., and S. 32½° E.

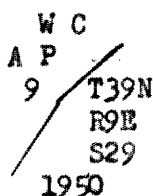
3.20 SW. end of nearly round pond, left 80 lks. dist.

4.50 NE. end of pond, left, 50 lks. dist.

5.00 Leave cut over land, enter timber and undergrowth, bearing N and S.

7.20 Intersect swamp and flowage area, bearing S. 70° E. and N. 30° W.;
point selected for witness angle point No. 9.

Set an iron post, 30 ins. long, 2 ins. diam., 24 ins. in the ground, with brass cap mkd.



from which

A hemlock, 16 ins. diam., bears S. 65° E., 45½ lks.
dist., mkd. WC AP9 S29 BT.

A maple, 5 ins. diam., bears N. 37¼° W., 20 lks.
dist., mkd. WC AP9 S29 BT.

10.27 Adjusted position for angle point No. 9 falls in flowage;
impractical to establish a monument.

N. 55° 37' E., 7.51 chs.

5.00 Leave swamp and flowage, enter rolling land, bearing NW. and SE.

7.51 The meander cor. of secs. 20 and 29, on E. shore of Sand Lake.

Land, rolling, gently rolling, and level.
Soil, sandy loam, with some stone.
Timber, birch, popple, hemlock, maple, spruce, and balsam;
undergrowth, young timber and alder.

Survey of Lands Omitted from the Original
Survey in Sec. 29, T. 39 N., R. 9 E.,
4th Prin. Mer., Wisconsin

Meanders of Sand Lake

From the meander cor. of secs. 20 and 29, on E. shore of the lake.

With the meanders of Sand Lake in sec. 29.

Along a well defined bank 6 ft. in height, gradually descending to water level, with timber and undergrowth.

- S. 63° 45' W., 3.70 chs. At 2.60 chs., leave high bank to low ridge between lake and swamp flowage; at end of course, leave ridge, enter flowage area.
- S. 80° 15' W., 5.00 chs.
- N. 85° 30' W., 6.20 chs. At 4.40 chs., leave swamp, enter along banks 4 to 5 ft. in height; at 5.60 chs., boat landing at end of road from S.17° E.
- N. 72° 15' W., 4.40 chs. At 0.60 chs., leave high land, enter swamp; at 3.00 chs. leave swamp, enter high land, banks 4 to 10 ft. in height.
- N. 75° 45' W., 2.60 chs.
- N. 84° 00' W., 2.60 chs.
- WEST, 4.20 chs.
- S. 62° 45' W., 2.20 chs. At end of course, begin low bank 2 to 3 ft. in height.
- S. 37° 45' W., 1.50 chs.
- S. 75° 45' W., 2.31 chs.
- N. 77° 30' W., 2.50 chs.
- S. 89° 15' W., 2.50 chs.
- S. 80° 00' W., 3.30 chs.
- S. 75° 30' W., 2.70 chs.
- S. 85° 30' W., 3.60 chs.
- N. 75° 30' W., 3.30 chs.
- N. 61° 15' W., 4.50 chs. At end of course, leave high land, begin ridge between lake and swamp flowage area.
- N. 83° 15' W., 1.50 chs.
- N. 48° 15' W., 4.20 chs. At 1.00 chs., leave ridge and flowage area, enter high land, bank 2 to 6 ft. in height.
- S. 21° 00' W., 2.90 chs.
- S. 0° 15' W., 3.10 chs. At end of course, leave high land, enter flowage area.
- S. 5° 15' W., 4.00 chs.
- N. 78° 45' W., 3.17 chs. Point for angle point No. 2 of the adjusted meanders of 1863.

Survey of Lands Omitted from the Original
Survey in Sec. 29, T. 39 N., R. 9 E.,
4th Prin. Mer., Wisconsin.

Land, rolling and level.

Soil, sandy and stony loam.

Timber, birch, popple, hemlock, and pine; undergrowth, young timber and alder.

General Description.

The greater part of the land omitted from the original survey and included in this survey is gently rolling to rolling upland, reaching approximately 25 ft. above the water level of Sand Lake. There is an area of swamp at the east end and one at the west end, both covered by flowage created by a dam at the outlet of Dam Lake, the lower lake of this chain; there are three small areas of swamp above the flowage. The soil is a sandy loam with some gravel and stone.

The timber consists of birch, popple, hemlock, Norway pine, and maple. The swamp and flowage areas formerly supported a good stand of cedar, tamarack, and spruce. A considerable area of the upland timber has been cut recently and the ground left completely bare of timber. The stumps indicate this timber ranged from 12 to 24 ins. diam. The standing timber is mostly second growth, ranging from 4 to 10 ins. diam. There is a good stand of young Norway pine on a knoll at the extreme NW. part of the area, ranging from 4 to 10 ins. diam. Alder undergrowth is found in the swamp areas and around the edge of the lake and flowage.

There are two cabins, 20 X 24 ft. on the area, a shed, and a well pump; the cabins are not finished inside. A road leads to the cabins from the south and several logging trails cross the area. These improvements were made by Carl O. Borge, the applicant.

The formation of the body of land included in this survey is similar in every respect to the adjacent surveyed land. A ring count was made on a hemlock stump, 24 ins. diam., and approximately 200 annual rings were counted.

On the evidence developed, it is concluded that the unsurveyed area was in existence in 1848, when Wisconsin was admitted into the Union, in 1863, when the township was subdivided, and at all subsequent dates, and therefore has the status of public land.

There are no surface indications of mineral deposits.

All of the new lots are over 50% upland.

CERTIFICATE OF CADASTRAL ENGINEER

I, Hugh B. Crawford, HEREBY CERTIFY upon honor that, in

pursuance of special instructions bearing date of the 9th day of June 1950
~~and supplemental special instructions~~ 19th July 1950

I have ~~surveyed~~ made the dependent resurvey of the section boundaries and surveyed
the lands omitted from the original survey in section 29, T. 39 N., R. 9 E.,

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
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

Denver, Colorado
January 8, 1951.

Hugh B. Crawford
Associate Cadastral Engineer.

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., APR 11 1951, 19

re
The foregoing field notes of the survey of the section boundaries and survey of lands
omitted from the original survey in section 29, T. 39 N., R. 9 E., 4th Prin. Mer.,
Wisconsin

executed by Hugh B. Crawford

having been critically examined and found correct, are hereby approved.

(Sgd.) Earl C. Harrington
Chief, Branch of Engineering and Construction
Chief, Division of
Cadastral Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
Wisconsin, is a true copy of the original field notes.

Earl C. Harrington
Chief, Branch of Engineering and Construction
Chief, Division of
Cadastral Engineering