

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DUPLICATE

FIELD NOTES

OF THE

4.75  
L360

RECEIVED & FILED #	L360
Ontida County Surveyor's Office	
Date	FEB. 14. 1986
By	M.J.H.
OCS Area #	

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

0987

1952  
32.33-  
38-  
5-

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 re-monumented 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  $\frac{1}{2}$  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	d		$27^{\circ} 57' 30''$	$9^{\circ} 35' 30''$
1st	Reversed	p		$27^{\circ} 44' 00''$	$9^{\circ} 15' 30''$
	Mean			$27^{\circ} 50' 45''$	$9^{\circ} 25' 30''$
2nd	Reversed	d		$28^{\circ} 23' 00''$	$10^{\circ} 00' 00''$
2nd	Direct	p	$7^h 45^m$	$27^{\circ} 59' 00''$	$9^{\circ} 36' 30''$
	Mean		$7^h 45^m$	$28^{\circ} 11' 00''$	$9^{\circ} 48' 15''$
3rd	Direct	d		$28^{\circ} 39' 00''$	$10^{\circ} 22' 00''$
3rd	Reversed	p		$28^{\circ} 21' 00''$	$9^{\circ} 58' 30''$
	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.

T 39	N R 9 E	
S 29	S 28	
S 32	S 33	
1950		

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.