

PLAT of TWO ISLANDS

In

PRIOR LAKE,

In

**Sec. 3, T. 114 N., R. 22 W., 5th Principal Meridian,
MINNESOTA.**



LEGEND

Scale: 10 chains to an inch.

Surveyed by Francis W. DuBois, U.S. Surveyor, from July 14 to 17, 1915, incl., under special instructions dated May 17, 1915, issued by the Commissioner of the General Land Office.

Area of lands surveyed = 9.30 acres, not shown upon the plat approved May 16, 1855.

Area of previously surveyed lands not shown.

G.W.D.

S.C.B. Department of the Interior,
General Land Office,
Washington, D. C., May 18, 1917.

The above plat of Two Islands in Prior Lake, in Sec. 3, T. 114 N., R. 22 W., 5th Principal Meridian, Minnesota, is strictly conformable to the field notes of the survey thereof, on file in this office, which have been examined and approved. *E.C.B.*

Commissioner and ex officio
U.S. Surveyor General for Minnesota.

Survey of Two Islands in Prior Lake,
in Sec. 3, T. 114 N., R. 22 W., 5th Prin. Mer.,
Minnesota.

Chains

Survey commenced July 14, 1915, and executed with Buff solar transit No. 9936, fully equipped and conforming to the standard instrumental specifications adopted by the General Land Office. The instrument was examined by the office and approved for use in this survey, conditional upon satisfactory field tests, a record of which follows. All measurements were made with a Lallie standard two-chain steel tape, except across open water, when the stadia was used.

July 16: I examine the adjustments of the transit, and correct the level and collimation errors; then in order to test the solar apparatus by comparing its indications, resulting from a.m. and p.m. observations, with a meridian determined by an observation on Polaris, I proceed as follows:

At my station about 15 chs. SW. of the NE. cor. of Sec. 4, T. 114 N., R. 22 W., in latitude $44^{\circ}43'N.$, and longitude $93^{\circ}25'W.$, at 7h 40.2m p.m., l.m.t., I observe Polaris E. of the meridian, and note that from the star as observed, a tally pin in a fence, 5 chs. northerly from my station, bears $0^{\circ}38'$ to the W. of the star.

l.m.t. of obsn.	7h 40.2m	p.m.	July 16.
U.C. of Polaris	5h 52.4m	a.m.	July 17.

Hour angle	10h 12.2m
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Azimuth of Polaris	$0^{\circ} 42.6' E.$
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True bearing of mark	= N. $0^{\circ} 04.6' E.$
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July 14: At 9h 0m a.m., app.t., I set off $44^{\circ}43'N.$, on the lat. arc; $21^{\circ}48'N.$, on the decl. arc; and determine a meridian with the solar, which coincides with the true meridian.

At app. noon, with the same lat., I observe the sun on the meridian; the resulting decl. is $21^{\circ}47'N.$, agreeing with the computed decl.

July 16: At app. noon, I make a direct observation of the sun for latitude.

Mean obs. altitude of sun's center	= $66^{\circ} 45' 30''$
Correction for refraction	= <u> 25''</u>

Sun's true altitude	= <u>$66^{\circ} 45' 05''$</u>
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Sun's co-altitude	= $23^{\circ} 14' 55''$
" declination	= <u>$21 28 16 N.$</u>

Latitude of station	= $44^{\circ} 43' 11'' N.$
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July 14: At 3h 0m p.m., app.t., I set off $44^{\circ}43'N.$, on the lat. arc; $21^{\circ}46'N.$, on the decl. arc; and determine a meridian with the solar, which coincides with the true meridian.

Since my solar apparatus, by a.m. and p.m. tests, indicates a true meridian, I conclude that it is in satisfactory adjustment.

July 14 and 16, 1915.

Survey of Two Islands in Prior Lake,
in Sec. 3, T. 114 N., R. 22 W., 5th Prin. Mer.

Chains

July 2, 1915: In order to test the stadia interval of my transit, I proceed as follows:

At my station on the shore of Pine Lake, in T. 1 N., R. 10 W., Michigan Meridian, Michigan, I accurately chain off a base, 8.00 chs. long, marking every 2.00 chain point by a peg. I then set up at one end of the base and make an accurate determination of the intercept of the stadia wires on the rod held at each one of these pegs in turn. Reducing the above rod readings, I find that the stadia indication of a distance is 0.54 lk. per chain in excess of the actual distance. The focal constant = 1.4 lks. The tabulated results follow:

Actual dist.	Rod intercept.	Stadia reduced.
2.00 chs.	0.9985	2.011
4.00 "	2.0055	4.025
6.00 "	3.0090	6.032
8.00 "	4.0130	8.040
Mean		1.0054

July 2, 1915.

July 17: I begin at the recognized cor. of secs. 3, 4, 33 and 34, Tps. 114 and 115 N., R. 22 W., which is a sandstone, 8 x 8 ins., set flush with the ground, mkd. with a cross in the top. This cor. is located at the corner of fences bearing E., W. and S., and is accepted by the adjacent land owners; from which

The new bearing trees

An elm, 12 ins. diam., bears S. 2°45' W., 137 lks. dist., mkd. T 114 N R 22 W S 4 B T.

An elm, 14 ins. diam., bears S. 19°45' E., 235 lks. dist., mkd. T 114 N R 22 W S 3 B T.

No other trees available for marking.

Thence I run with a traverse in secs. 3 and 4 to connect with the island which is to be surveyed.

Over rolling land, through timber and undergrowth.

Course	Dist.	S.	E.	W.
S. 1°06' W.,	6.00 chs.	6.00		0.12
S. 0°08' E.,	9.60 "	9.60	0.02	
S. 59°43' E.,	9.30 "	4.69	8.03	
S. 51°01' E.,	12.98 "	8.17	10.09	
by stadia across water; rod readings 6.550 and 6.542 ft., vert. angle 4°50'; to a point on the W. shore of Prior Lake, opp. island to be surveyed.				
S. 56°01' E.,	11.59 "	6.48	9.61	
by stadia across water; rod readings 5.815 and 5.824 ft.; to a point on the N.W. end of Island No.1.				

Total.	34.94	27.75	0.12
		0.12	
Net total.	34.94	27.63	

Survey of Two Islands in Prior Lake,
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The equivalent direct connecting course and distance =
S. 38° 20' E., 44.55 chs. dist.

At the above point on Island No. 1, I

Set a granite, 20 x 8 x 4 ins., 15 ins. in the ground,
for auxiliary meander cor. in sec. 3, mkd. A M C on
NW. face; from which

A red oak, 8 ins. diam., bears N. 60¹/₄° E., 65 lks. dist.,
mkd. T 114 N R 22 W S 3 A M C B T.

A red oak, 6 ins. diam., bears S. 72¹/₄° E., 63 lks. dist.,
mkd. T 114 N R 22 W S 3 A M C B T.

Thence I run with the meanders of Island No. 1, in sec. 3.

Over level land; banks about 10 ft. high.

S. 8° 15' E., 2.60 chs.

S. 35° 15' E., 1.30 "

S. 72° 30' E., 2.50 "

N. 87° 00' E., 2.00 "

N. 49° 45' E., 3.00 "

S. 42° 45' E., 3.00 "

S. 18° 17' E., 3.10 "

S. 68° 45' E., 1.40 "

N. 71° 30' E., 3.80 "

N. 27° 15' E., 3.70 "

N. 82° 30' E., 2.00 "

N. 20° 45' W., 2.30 "

N. 69° 15' W., 2.20 "

S. 89° 45' W., 5.20 "

At end of course, auxiliary
meander cor. on Island No. 2,
hereinafter described, bears
N. 39° 46' E., 12.02 chs. dist.;
dist. by stadia across water;
rod readings 6.0425 and 6.0315 ft.

S. 75° 40' W., 4.00 "

N. 54° 24' W., 6.00 "

N. 89° 36' W., 1.70 "

S. 51° 48' W., 1.08 "

S. 1° 09' W., 1.47 "

To auxiliary meander cor. and
place of beginning.

Land, rolling; maximum height 50 ft., mean about 30 ft.
Soil, black loam; 1st rate.

Timber, white and red oak, basswood, poplar, elm, maple,
ironwood and hickory; undergrowth, hazel and young timber.

Width of channel between island and mainland about 9 chs.,
depth about 12 ft.

The island consists of two summits of highland, connected
by a ridge of lowland, which is submerged during periods

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Chains

of extreme high water; a portion of the E. end is also subject to inundation during very high water. There are no settlers or improvements on the island, although Henry McKenneth, of Prior Lake, has used it for various purposes for 20 years. There are no mineral indications nor is the island used as a breeding place for native birds.

I note the existence of another small island, omitted from the original survey, which was undoubtedly in existence long prior to 1854, as the age and species of the timber shows; both islands are probably of glacial origin.

I proceed to the SW. end of Island No. 2, in Sec. 3, where I

Set a granite, 14 x 8 x 6 ins., 10 ins. in the ground, for auxiliary meander cor. in sec. 3, mkd. A M C on SW. face; from which

An elm, 10 ins. diam., bears N. $41\frac{1}{2}^{\circ}$ E., 20 lks. dist., mkd. T 114 N R 22 W S 3 A M C B T.

An elm, 10 ins. diam., bears N. $3^{\circ}45'$ W., 33 lks. dist., mkd. T 114 N R 22 W S 3 A M C B T.

Thence I run with the meanders of Island No. 2, in sec. 3.

Over level land; through dense undergrowth.

N. $49^{\circ}15'$ E., 0.67 chs.

N. $12^{\circ}00'$ E., 0.88 "

S. $46^{\circ}15'$ W., 1.19 "

S. $19^{\circ}30'$ E., 0.51 " To auxiliary meander cor. and place of beginning.

Land, rolling; maximum height 10 ft.; mean about 5 ft. Soil, rocky; 3rd rate.

Timber, elm and willow; undergrowth, small timber.

Width of channel between this island and Island No. 1, 10 chs.; depth about 15 ft.

There are no settlers or improvements on this island, and it is not inundated during periods of high water; there are no mineral indications and it is not used as a breeding place for native birds.

Traverse from cor. of secs. 3, 4, 33 and 34, to auxiliary meander corner on Island No. 2.

Course	Dist.	N.	S.	E.
(previously calculated)				
S. $38^{\circ}20'$ E.,	44.55 chs.		34.94	27.63
Meanders on Island No. 1:				
N. $1^{\circ}09'$ E.,	1.47 chs.	1.47		0.03
N. $51^{\circ}48'$ E.,	1.08 "	0.67		0.85
S. $89^{\circ}36'$ E.,	1.70 "		0.01	1.70
S. $54^{\circ}24'$ E.,	6.00 "		3.49	4.88
N. $75^{\circ}40'$ E.,	4.00 "	0.99		3.88
Carried forward.		3.13	38.44	38.97

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Course	Dist.	N.	S.	E.
Brought forward.		3.13	38.44	38.97
Stadia across water:				
N. 39° 46' E.,	12.02 chs.	9.24		7.69
Total.		12.37	38.44 12.37	46.66
Net total.			26.07	46.66

The equivalent direct connecting course and distance =
S. 60° 49' E., 53.45 chs. dist.

July 17, 1915.

General Description.

The islands are located in Prior Lake, designated as "Credit Lake" on the original township plat, and are located about 3 miles W. of the town of Prior Lake, the nearest railroad point. The town of Shakopee, Minn., is located about 8 miles NW. of the islands. Good roads lead to both of these towns.

There are no summer resorts on Prior Lake, but Spring Lake, about $\frac{1}{4}$ of a mile SW., has several.

(signed) Francis W. Du Bois,

U. S. Surveyor.

FINAL OATH OF UNITED STATES SURVEYOR.

I, Francis W. Du Bois, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Minnesota, bearing date of the 17th day of May, 1915 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 Two Islands in Prior Lake, in Sec. 3, T. 114 N., R. 22 W.,

of the 5th Principal Meridian, in the State of Minnesota, which are represented in the foregoing field notes as having been executed 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 U. S. Surveyor ex officio Minnesota and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

(signed) Francis W. Du Bois, U. S. Surveyor.

Subscribed by said Francis W. Du Bois, and sworn to before me this 4th day of September, 1915.

(signed) Ed. March, Clerk of Court.



APPROVAL. Department of the Interior, General Land Office, Office of the United States Surveyor General,

Washington, D. C., May 18, 1917.

The foregoing field notes of the survey of Two Islands in Prior Lake (or Credit Lake), in Sec. 3, T. 114 N., R. 22 W., of the 5th Principal Meridian, in the State of Minnesota,

executed by Francis W. Du Bois, U. S. Surveyor, under his special instructions dated May 17, 1915, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Commissioner and ex officio U. S. Surveyor General for Minnesota.

I certify that the foregoing transcript of the field notes of the above-described surveys in T. 114 N., R. 22 W., has been correctly copied from the original notes on file in this office.

Commissioner and ex officio U. S. Surveyor General for Minnesota.