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DM ID: [31124](#) Survey Type: [Survey Of Islands](#) State: [Michigan](#)

**Survey Plat Details**

**Plat Image**

**Related Documents**

Survey Office:	<a href="#">Detroit, Michigan</a>
Surv. Type Other:	---
Fractional:	<a href="#">Yes (Survey Of Part Of North Manitou Island)</a>
Acreage:	5515.65
Mining District:	---
Group Nr:	---
Min. Surv. Index:	---
Survey Nr:	---
Counties:	<a href="#">Leelanau</a>
Field Notes:	<a href="#">MI Volume RJJ38</a>

**Land Descriptions**

Map	State-Meridian	Twp - Rng	Boundaries
<input type="checkbox"/>	<a href="#">MI - Michigan - Toledo Strip</a>	<a href="#">032.0N - 014.0W</a>	<a href="#">Subdivisional</a>

**Survey Activities**

Activity Type	Date	Description
<a href="#">Survey Commenced</a>	<a href="#">7/8/1847</a>	<a href="#">Orange Risdon (Deputy Surveyor)</a>
<a href="#">Contracts Instr. (MI)</a>	<a href="#">4/29/1847</a>	---

**Plat Information:**

DM ID:	<a href="#">31123</a>
Duplicate Status:	<a href="#">Duplicate</a>
Supplemental:	<a href="#">No</a>
Survey Based Supplemental:	<a href="#">No</a>

**Plat Activities**

Activity Type	Date	Description
<a href="#">Survey Approved</a>	<a href="#">3/16/1848</a>	<a href="#">Lucius Lyon (Surveyor General)</a>



The mapping feature will be temporarily unavailable from Dec 20 2010 to Dec 27 2010 for system maintenance.

Land description mapping powered by GeoCommunicator. Please see the [data disclaimer](#).

Township No. 32 N. R. 14 W. Mer. Michigan.

chs. Ms.

Township Lines  
South Boundary.

- East On S. Boundary of Sec. 34.  
20.00 Enter cord-wood chopping. From 200 to 300  
Cords now corded.  
35.00 Leave chopping.  
40.00 Set gr. sec. post, from which  
a Beech 8 in. dia. bears N. 32 E. 13 Ms. dist. 4  
a do 6 " " " N. 30 W. 25 " " "  
45.87 Intersect shore of Lake Michigan & set  
post, from which  
a Cedar 8 in. dia. bears S. 46 W. 14 Ms. dist. 7  
a do 8 " " " S. 60 W. 18 " " "  
Land, first 20 chs. <sup>between Sec. 34 & 31 N.</sup> same as last mile,  
Last part the timber chopped off. Hemlock  
& Cedar <sup>border</sup> on Lake.

July 5, 1847.

- West On S. Boundary of Sec. 33.  
12.39 a Sugar 10 in. dia.  
20.00 Enter small Fir timber.  
17.27 a Beech 18 in. dia. Enter Hemlock & Aspen.  
30.00 Leave Hemlock &c.  
40.00 a Beech 16 in. dia. for gr. sec. corner.  
54.81 a Cherry 28 in. dia.  
76.00 Height of ascent.  
80.00 Set post, corner to Secs. 32 & 33, from which  
a Beech 10 in. dia. bears S. 17 E. 24 Ms. dist. 7  
a do 9 " " " S. 17 W. 24 " " "  
Land rich, sand & gravelly soil. Gently  
falling on slightly uneven, with a gradual &  
general ascent to the West. Last 15 chs. some  
broken. Timber, Sugar, Beech, Spruce, Aspen,  
Hemlock, Balsam &c. Young tall and  
thrifty growth.

chs. 00	West	On S. Boundary of Sec. 32.
2.00		Rise light ridge, course N. S. then gradually descending west.
30.00		Enter Cedar Swamp.
40.00		Set gr. sec. post. from which a Maple 8 in. dia. bears S. 76 W. 28 chs. dist. & a Cedar 10 " " " N. 37 E. 24 " "
55.00		Leave Cedar Swamp.
59.00		Foot of light ridge, course N. S.
62.00		Top of ridge.
70.00		Descend ridge to west.
77.00		Enter N. Border of a small Cedar Swamp.
80.00		Set post. corner to Secs. 31 & 32, from which a B. Ash 9 in. dia. bears S. 40 E. 14 chs. dist. & a S. Birch 14 " " " S. 60 W. 14 " "
		Land E. of Swamp rich & well timbered with Beech, Sugar, Birch &c. Somewhat broken by crossing points of ridges from north. Between Swamps, rolling, grassy. The Swamp entered a short distance, and is drained by a Lake.
West		On S. Boundary of Sec. 31.
17.06		a B. Ash 12 in. dia.
18.00		Leave Swamp & enter up-land. Ascend a long hill, with a ravine South side of the line.
26.00		Top of hill.
35.00		a Beech 8 in. dia.
40.00		Set gr. sec. post. from which a Sugar 10 in. dia. bears S. 83 W. 8 chs. dist. & a Beech 6 " " " N. 14 E. 13 " "
61.02		a Beech 16 in. dia.
69.50		Summit of a ridge, descending steep into a ravine, S. W.
75.00		Bottom of Ravine.



Chs. 013.

80.00 Set post, corner to Towns 31 & 32 North,  
Ranges 14 & 15 West on N. side of ravine,  
and hills high on the North.

Land West of swamp, rolling, with  
a general ascent west.

Well timbered with Beech and Sugar.  
On the summits & borders of hollows  
Kernlock. Soil rich sand and gravel,  
with a thick Muscariant growth of herbage.

West Boundary.

North On E. Boundary of Sec. 26, T. 32 N. R. 15 W.

Ascending.

5.00 Top of ridge, course N. E. & S. W.

8.00 Foot of first ridge & ascend point of ridge  
between two ravines.

32.89 A Kernlock 20 in. dia.

40.00 Set gr. sec. post, from which  
a Kernlock 10 in. dia. bears N. 34 E. 39 1/2 dist. &  
a Sugar 14 " " " S. 47 W. 29 " "

42.00 Descend into a ravine.

43.04 a Beech 14 in. dia.

45.00 Top of ridge. Descending - and ascending.

69.00 Top of high Camel-hump ridge.

72.00 Foot of ridge, N. side.

80.00 Set post, corner to Secs. 25 & 36, from which  
a Beech 12 in. dia. bears N. 46 W. 15 1/2 dist. &  
a do 9 " " " S. 6 E. 15 " "

Land broken, 3<sup>d</sup> rate. Soil rich sand &  
gravel. Broken ridges and points of  
hills & ravines. Timber, Beech, Sugar,  
Lynn, Birch, with Kernlock & Alder.  
Hills very high.

North On E. Boundary of Sec. 25, T. 32 N. R. 15 W.

2.00 Top of hill, course N. E. & S. W.



chs. lks.	
10.00	Top of 2 <sup>d</sup> ridge, course N. E. to S. W.
11.90	a Beech 16 in. dia.
12.00	Descending.
23.22	a Sugar 20 in. dia.
30.00	Foot of ridge.
39.00	Across level land.
40.00	Set gr. sec. post. from which a Beech 12 in. dia. bears N. 85 E. 3 lks. dist. & a do 18 " " " " N. 85 W. 12 " "
41.00	Top of Hog-back ridge, course N. E. to S. W.
43.00	Bottom of ridge.
68.88	a Sugar 18 in. dia.
75.00	Descending a high hill, bearing N. W.
80.00	Set post. corner to Secs. 24, & 25, for which a Sugar 24 in. dia. bears N. 57 E. 11 lks. dist. & a Spruce 14 " " " " N. 88 W. 21 " " Land broken, 3 <sup>d</sup> rate. Soil rich. Timber same as last.
North	On E. Boundary of Sec. 24, T. 32 N. R. 15 W.
1.00	Descend to foot of ravine, and cross several small points of ridges from the high bluff hill on the East.
13.72	a Sugar 14 in. dia.
15.00	Top of Hog-back ridge, from East.
19.76	a Sugar 16 in. dia. Small ridges as before.
30.00	Top of 2 <sup>d</sup> Hog-back ridge, from E. + W.
37.56	a Beech 16 in. dia.
40.00	Set gr. sec. post. on top of 3 <sup>d</sup> ridge, from which a Beech 8 in. dia. bears N. 43 E. 8 lks. dist. & a Sugar 10 " " " " S. 25 W. 21 " "
49.00	Ascending to brow of steep ridge, running N. E. to S. W. along Lake.
56.22	Descending quartering down the ridge.

chs. lks.

Intersect shore of Lake Michigan, set  
post. from which  
a Cedar 12 in. dia. bears S. 68 E. 17 lks. dist. &  
a do 10 " " " S. 2 W. 30 " "  
Land broken. Soil rich. S. 1/2 timber,  
Beech, Sugar, Linn, Hemlock &c.  
N. 1/2 Hemlock, Cedar, W. Birch, Pine & Balsam.  
These cross ridges blend with a high  
ridge East of line and a high parallel  
ridge on Lake shore W. of line.

Surveyed in 1847, by  
O. Riston  
Deputy Surveyor.

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Subdivision — part of North Manitow.

North Between Secs. 33 & 34.

- 4.41 a Beech 12 in. dia.  
17.68 a Beech 16 in. dia. Land gently uneven  
and gradually descending East.  
40.00 Set gr. sec. post. from which  
a Beech 14 in. dia. bears S. 44 E. 5 lks. dist. &  
a do 10 " " " N. 44 W. 5 " "  
65.40 a Beech 16 in. dia. Enter a slight  
ravine, course S. E.  
73.80 a Sugar 18 in. dia.  
80.00 Set post. corner to Secs. 27, 28, 33 & 34, from which  
a Sugar 6 in. dia. bears N. 73 E. 9 lks. dist. &  
a Beech 8 " " " S. 63 W. 3 " "  
Land first rate — somewhat gently  
rolling. Sand & gravelly soil, inclining  
to loam. Well timbered with Beech,  
Sugar, Linn, Birch & Cherry; a few  
scattering Hemlocks.

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East between Secs. 27 & 34.

5.00 Slight ascent to East.



chd. 2 <sup>1/2</sup> M.	
8.23	a Beech 12 in. dia.
11.00	Descend to foot of ridge.
34.85	a Beech 10 in. dia. Land gradually descending East & South-East.
40.00	Set gr. Sec. post. from which a Beech 6 in. dia. bears S. 60 W. 40 <sup>0</sup> dist. 7
	a Do 14 " " " East 23 " "
45.00	Enter a small chopping of 5 on 6 acres Capt. C. Blake has a possession House on Sec. 34 near the line.
49.00	Leave chopping & descend a light descent.
50.69	Intersect Shore of Lake Michigan Set post. from which a Sugar 6 in. dia. bears N. 40 W. 70 <sup>0</sup> dist. 7
	a Do 12 " " " S. 11 W. 60 " "
	Land good 2 <sup>d</sup> . rate. Timbers Beech, Sugar, Birch, Linn, Cherry &c.
	Gently rolling, with slight ridges, course N. & S. and a <sup>general</sup> small descent to the East.
<hr/>	
North	between Secs. 27 & 28.
6.00	a Beech 10 in. dia.
15.00	Land descending steep N. E.
19.00	Foot of ridge.
22.19	a Beech 16 in. dia.
36.52	a Beech 18 in. dia. Ascend a Hemlock ridge, course N. W. 15. E.
40.00	Set gr. Sec. post. from which a Hemlock 8 in. dia. bears S. 39 E. 29 <sup>0</sup> dist. 5
	a Do 12 " " " N. 78 W. 9 " "
45.00	Top of ridge leave Hemlocks.
53.78	a Sugar 10 in. dia.
64.64	a <sup>β</sup> oak 14 in. diam.
50.00	Set post. corner to Secs. 21, 22, 27 & 28, from which a Beech 10 in. dia. bears S. 88 W. 13 <sup>0</sup> dist. 7
	a Do 12 " " " N. 68 E. 13 " "

Chs. Wd.

Land gently rolling with a general descent to S. E. Good 2<sup>d</sup> rate, Soil sandy &c. Well timbered with Beech & Sugar, Scattering Linn, Birch, Cherry, Hemlock, Fir &c.

East

between Secs. 22 &amp; 27.

.50

Top of steep bank, course N. W. & S. E. Descend to Lake.

5.00

Foot of ridge.

6.50

Top of low bank.

7.47

Intersect shore of Lake Michigan.

Set post, from which a Cedar 9 in. dia. bears S. 38 E. 16 Uds. dist. & a do 9 " " " N. 84 W. 23 " " Land mostly steep side-hill, 3<sup>d</sup> rate. Timber, Beech & Sugar, with a border of Hemlock, Cedar & Balsam on Lake.

North

between Secs. 21 &amp; 22.

.50

Brow of steep hill, course N. W. &amp; S. E.

6.00

Foot of ridge.

8.00

Second descent, also steep.

9.50

Foot of 2<sup>d</sup> ridge. Intersect shore of Lake Michigan. Set post, from which

a Linn 12 in. dia. bears S. 68 E. 9 Uds. dist. & a Cedar 9 " " " S. 78 W. 27 " "

Land, side-hills, 3<sup>d</sup> rate. Timber, Beech, & Sugar &c. with Hemlock, Cedar & Balsam on Lake shore.

North

between Secs. 32 &amp; 33.

Rising land.

5.00

Top of ridge, course N. E. &amp; S. W.

6.16

a Beech 16 in. dia.

21.09

a Sugar 10 in. dia.



T. 32 N. R. 14 W. Mer. Michigan.

chs. lks.	
32.49	a Lynn 14 in. dia.
40.00	Set gr. sec. post. from which a Sugar 18 in. dia. bears S. 72 N. 21 lks. dist. &
	a do 6 " " " S. 78 E. 32 " "
48.58	a Sugar 12 in. dia.
57.00	a Beech 14 in. dia.
73.06	a Beech 16 in. dia.
80.00	Set post. corner to Secs. 28, 29, 32 & 33, from which a Beech 18 in. dia. bears N. 18 E. 15 lks. dist. & a do 14 " " " S. 24 N. 43 " "
	Land first rate. Soil sand & gravel, with loam & a deep vegetable mould. S. 1/2 rolling, with ridges, running E. & W. N. 1/2 quite even faced, with a general descent to the west. Timber good, tall & thrifty - Beech, Sugar, with scattering Lynn, Cherry, Birch &c.

East	Random between Secs. 28 & 33. Ascending with a succession of ridges, running N. & S.
40.00	Set temporary post.
45.00	Begin to descend, with ridges E. & W. & S. E. & N. W.
80.18	Intersect N. & S. line 6 lks. N. of post. Land rolling. Soil first rate. Timber, Beech, Sugar, Lynn, Birch, Elm, Cherry &c.

West	Corrected between Secs. 28 & 33.
40.09	Set gr. sec. post. from which a Sugar 10 in. dia. bears S. 76 E. 11 lks. dist. & a Beech 12 " " " S. 41 N. 33 " "
80.18	To sec. corner.

West between Secs. 29 &amp; 32.

Chs. Old.

38.93 Intersect E. shore of Manitow Lake  
 Set meander post, from which  
 a Hemlock 18 in. dia. bears S. 31 E. 16 lks. dist.  
 a do 6 " " " S. 22 E. 15 " "  
 Land slightly rolling, with a general,  
 and some places, rapid descent to  
 the west to N.W. Soil first rate.  
 Timber, Beech, Sugar, Linn, Birch,  
 Elm, Cherry &c.  
 The last 10 chs. a lighter soil, with  
 considerable Hemlock & Fir.

North between Secs. 28 & 29.  
 41.06 a Linn 14 in. dia.  
 31.69 a Hemlock 16 in. dia.  
 35.00 Enter Cedar & Ash Swamp, course S.W. to E.  
 39.00 Drain from Lake - very much spread.  
 40.00 Set gr. Sec. post, from which  
 a Tamarack 10 in. dia. bears S. 75 W. 23 lks. dist.  
 a B. Ash 9 " " " S. 45 E. 28 " "  
 46.00 Leave water N. E.  
 48.00 Leave Swamp.  
 48.36 a Hemlock 18 in. dia.  
 77.61 a Sugar 14 in. dia.  
 80.00 Set post, corner to Secs. 20, 21, 28 & 29, from which  
 a Sugar 12 in. dia. bears S. 68 E. 19 lks. dist. &  
 a do 12 " " " S. 64 W. 18 " "  
 Land, N. & S. of Swamp, generally first  
 rate. Timber, Beech, Sugar, Birch,  
 Cherry, Linn &c. Bordering the  
 Swamp for 8 or 10 chs. Hemlock & Fir.  
 Swamp extends but a short distance  
 E. of line.

East Random between Secs. 21 & 28.  
 10.00 Enter Hemlock & Balsam land. Gentle



## T. 32 N. R. 14 W. Mer. Michigan.

chs. Ws.

- Side-hill, descending east.
- 20.00 Pass on a ridge E. & W. descending N. & S. into a valley, or two valleys.
- 31.00 a Stream 25-30 ft. wide, course northealy.
- 35.00 Leave Hemlock.
- 40.00 Set temporary post. The land from the Stream East, gradually rising.
- 70.00 Some broken ravines to line.
- 80.09 Intersect ~~E. Boundary~~ <sup>N. E. S. line</sup> of Crs. S. of post.  
Land generally first rate, sand & gravel, with clay loam. Timber, Beech, Sugar, Hemlock, Fir & Balsam &c.

- West Connected between Secs. 21 & 28
- 40.05 Set gr. sec. post, from which  
a Beech 18 in. dia. bears N. 70 W. 7 lks. dist. &  
a do 14 " " " S. 70 E. 41 " "
- 80.09 to sec. corner.

- North between Secs. 20 & 21.
- 10.85 a Beech 16 in. dia.
- 40.00 Set gr. sec. post, from which  
a Beech 8 in. dia. bears S. 72 W. 7 lks. dist. &  
a Hemlock 18 " " " S. 58 E. 39 " "
- 42.39 a Lynn 18 in. dia.
- 43.51 a Cedar 10 in. dia.
- 43.84 Top of high clay & sand sliding bank, almost perpendicular, on shore of Lake Michigan, from 100 to 150 feet high.  
Set post, from which  
a Lynn 16 in. dia. bears S. 78 W. 7 lks. dist. &  
a Cedar " " " South 33 " "
- Land, a little rolling. Soil same as last mile - and a general descent S. & S. E. Rising pretty fast for 10 or 15 chs. from high bank of Lake. Timber same as last mile.

chs. Ws.

North

Between Secs. 31 + 32.

- 1.00 Leave Cedar Swamp across a light ridge.
- 8.00 Enter swampy land, Cedar so. from the west.
- 8.72 a Birch 18 in. dia.
- 20.00 Leave Swamp.
- 40.00 Set gr. sec. post. from which  
a Beech 16 in. dia. bears S. 81 E. 7 lks. dist. &  
a Maple 7 " " " S. 88 N. 27 " "
- 58.26 a Sugar 28 in. dia.
- 72.48 a Sugar 10 in. dia.
- 80.00 Set post. corner to Secs. 29, 30, 31 + 32. from which  
a Sugar 12 in. dia. bears N. 74 E. 9 lks. dist. &  
a Beech 6 " " " S. 81 W. 28 " "
- Land South of Swamp broken. Swamp good meadow land. Lightly timbered - Cedar, Birch, Ash, Elm, Maple &c.
- Land North of Swamp first rate. Pleasantly rolling, with gentle swells, and a gradual descent East. Soil deep compact sand & gravel, with clay and loam. Timber, Sugar, Beech, Birch, Chomp.

East

between Secs. 29 + 32.

Gradually descending Easterly.

- 15.76 a Y. Birch 18 in. dia.
- 17.12 Intersect shore of Lake Manitow. Set post. from which  
a Hemlock 14 in. dia. bears S. 44 N. 26 lks. dist. &  
a Cedar 10 " " " N. 17 E. 8 " "
- Land & timber same as last mile, with a belt of Hemlocks, Cedar & Fir bordering Lake.

North

between Secs. 29 + 30.

- 2.97 a Beech 20 in. dia.



## T 32 N. R. 14 W. Mer. Michigan.

chs. lks.	
30.11	a Sugar 24 in. dia.
40.00	Set gr. sec. post. from which a Hard-Beam 9 in. dia. bears N. 6 E. 9 lks. dist. & a Beech 12 " " " S. 6 W. 34 " " "
60.00	Foot of ridge, course S. E. & N. W.
65.00	Top of ridge.
65.56	a Hemlock 14 in. dia.
76.01	a Sugar 14 in. dia.
80.00	Set post. corner to secs. 19, 20, 29 & 30, from which a Lymn 20 in. dia. bears N. 51 W. 40 lks. dist. & a Sugar 7 " " " " S. 32 E. 5 " " "
	Land first rate, pleasantly rolling, with a general Eastern descent. Timber, Beech, Sugar, Lymn, Birch &c. On ridge some Hemlock, large size. Soil chocolate colored - loam & sand.
East	Random between Secs. 20 & 29.
25.00	Gradually descending.
40.00	Set temporary post. Gradually ascending.
80.50	Intersect N. & S. line, 18 lks. S. of post. Land & soil same - lightly rolling. The first 25 chs. descending east. Last half gradually ascending. Well wooded. Sugar, Beech, Lymn, Ash, Elm, with very large Hemlocks. Herbage plenty - a great growth.
West	Connected between Secs. 20 & 29.
40.25	Set gr. sec. post. from which a Sugar 18 in. dia. bears N. 4 W. 7 lks. dist. & a Do 10 " " " " S. 4 E. 14 " " "
80.50	To sec. corner.
North	between Secs. 19 & 20.
26.91	a Sugar 12 in. dia.

T. 32 N. R. 14 W. Mer. Michigan.

255

chs. OKs.

- 31.24 a Hemlock 28 in. dia.  
 40.00 Set gr. sec. post. from which  
 a Hemlock 16 in. dia. bears S. 41 W. 30 W. dist. 4  
 a Beech 9 " " " S. 67 E. 52 " "  
 43.49 a Sugar 14 in. dia.  
 55.00 a Cedar 8 in. dia. on brow of steep hill  
 57.40 Set post on top of sliding bank, from  
 which  
 a Birch 12 in. dia. bears S. 73 E. 24 W. dist. 4  
 a do 10 " " " S. 36 W. 42 " "  
 59.20 Intersect shore of Lake Michigan at  
 foot of clay and sand slide. Set post.  
 No bearings.  
 Land first rate - deep, rich soil, sand,  
 clay, loam & gravel.  
 Timber, Beech, Sugar, Lymn, Ash etc. near  
 the Lake, Hemlock, Cedar, Fir etc. Soil  
 apparently as rich.

- East Random between Secs. 30 & 31.  
 3.00 Top of hill, course N. E. & S. W.  
 11.00 Ascend to top of 2<sup>d</sup> ridge.  
 40.00 Set temporary post.  
 80.12 Intersect N. & S. line 87 W. S. of post.  
 Land rich - first rate, gradually des-  
 cending East. A few slight & unimportant  
 ravines. Soil sand & gravel, clay & loam.  
 Timber, Sugar, Beech, Lymn, Elm etc.

- West corrected between Secs. 30 & 31.  
 40.06 Set gr. sec. post. from which  
 a Sugar 16 in. dia. bears S. 44 E. 8 W. dist. 4  
 an Elm 12 " " " S. 30 W. 26 " "  
 80.12 To sec. corner.

- East Random between Secs. 19 & 30.



## T 32 N. R. 14 W. Mer. Michigan.

chs. Ws.	
5.00	Ascend to top of steep ridge. Gradually descending East.
34.00	To brow of hill, course N. E. + S. W.
37.00	Bottom of ravine.
39.00	Ascend hill.
40.00	Set temporary post.
46.00	Top of sharp ridge.
49.00	Foot of same, descending gradually.
64.00	Spring on Sec. 19. discharging S.E. into Sec. 30.
80.00	Intersect N. + S. line. 6 Ws. S. of post. Land rolling with general descent easterly, first rate. Soil chocolate colored, sand, clay loam. Timber, Beech, Sugar, Ash, Elm &c.

West	Corrected between Sects. 19 + 30.
40.00	Set gr. Sec. post, from which a Sugar 10 in. dia. bears West 5 Ws. dist. to a Do 24 " " " N. 12 E. 18 " "
80.00	To Sec. corner.

Meanders of Mamiton Lake, in Sect. 29 + 32. T. 32 N. R. 14 W. Taken in the water 50 Ws. from shore, on account of the brushy banks and Cedars. From meander post on west side of Lake, on line between Sects. 29 + 32. East from post, on line 50 Ws; thence

Course	chs. Ws.	Remarks.
N 35 E	2.00	In Sec. 29.
N 15 E	8.00	
N 5 1/2 W.	2.00	
N 6 W	2.00	
N 43 E	9.00	
N 81 E	7.00	

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INDEX MAP

T. 32 N. R. 14 W.

Mer. Michigan

6	5	4	3	2	1
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18	17	16	15	14	13
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245 244 30 255	253 252 29 251	250 249 28 248	247 246 27	N. Manitow Island	
245 244 31 244	253 252 32 249	251 250 33 248	247 246 34 243	35	36

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Courses	chs.	Remarks.
S 79 E	4.00	
S 42 1/2 E	2.50	To outlet, 15 chs. wide, course N. E.
S 25 E	2.50	
S 5 E	11.00	Banks from 20 to 30 feet high.
S 15 E	5.00	Line between Secs. 29 & 32, 50 chs. west of post; thence
<hr/>		
S 17 1/2 E	3.00	In Sec. 32.
S 3 1/2 W	5.50	
S 41 1/2 W	4.50	
S 14 1/4 W	6.00	
S 36 1/2 E	3.00	No banks.
S 54 E	5.00	
S 13 E	3.00	
S 17 W	4.00	
S 6 W	2.00	
S 34 1/2 W	5.00	
S 21 W	8.50	
S 11 W	4.00	
S 48 E	3.00	
S 31 1/2 E	10.00	
S 1 1/2 E	8.00	
S 16 W	5.50	To Cedar Swamp.
S 63 W	7.00	
S 80 W	5.00	
S 88 1/2 W	8.50	Leave Cedar Swamp.
S 77 W	5.00	
S 4 W	5.50	
S 43 1/2 W	3.00	
S 78 W	5.50	
S 60 W	3.50	
S 35 W	2.50	
S 16 E	6.00	
S 31 W	2.50	
S 6 1/2 E	11.50	
S 19 1/2 E	2.00	

T. 32 N. R. 14 W. Mer. Michigan.

Courses	chs. lns.	Remarks.
A 33 E	2.50	
A 25 E	5.00	
A 21 E	4.00	
A 33 E	6.50	
A 2 E	6.00	
A 10 W	8.00	
A 5 E	5.00	
A 29 1/4 E	7.46	To place of beginning. The valley of this Lake continues off in a S. Easterly direction across the Island to the wharf on Sec. 15, T. 31 N, R. 14 W. and to the S. E. point of Island. The outlet bears off to the E. forming considerable of a valley until (within) a quarter or half mile of the Lake, where it cuts through the high sand hills bordering the big Lake. This Lake being from 75 to 100 feet higher than Lake Michigan.

Meanders of Lake Michigan, in Sec. 34, from Town Line between Towns 31 + 32 North; thence

Courses	chs. lns.	Remarks.
A 27 E	13.00	
A 14 E	22.00	
A 9 1/4 W	12.00	
North	17.00	
A 6 3/4 E	7.00	
A 2 E	10.93	To post on line between Sec. 27 + 34; thence
A 5 E	5.00	In Sec. 27.
A 2 1/2 W	18.00	



## T. 32 N. R. 14 W. Men. Michigan.

Course	Chs. Dist.	
N 10 W	12.00	
N 48 1/2 W	34.00	Hills gradually commence.
N 40 1/2 W	14.00	
N 22 1/2 W	10.00	
N 40 W	4.10	To post on line between Secs. 22 + 27; thence
N 27 W	5.00	In Sec. 22.
N 46 1/4 W	7.24	To post on line between Secs. 21 + 22; thence
N 32 W	8.00	In Sec. 21. Hills reduced in height.
N 7 E	9.00	
N 43 1/2 W	5.00	
N 66 W	7.00	
N 55 W	6.00	Mouth of drain (of) Manistee Lake.
N 76 1/2 W	8.00	Deep narrow chasm through hills. }
N 83 W	9.00	Sliding clay & sand hills - high.
N 76 1/2 W	7.00	
N 67 W	10.00	
N 78 W	17.00	From that point, inaccessible post, on cliffs, between Secs. 20 + 21, bears S. 78 3/4 W.
West	13.19	To line between Secs. 20 + 21, at foot of cliffs; thence
N 88 1/2 W	11.00	In Sec. 20, from this point, inaccessible post bears S. 75 1/2 E.
N 75 3/4 W	42.00	
N 88 1/2 W	12.00	
N 83 W	10.00	
N 60 W	4.00	
N 83 W	5.00	To post on line between Secs. 19 + 20; thence
N 74 W	3.00	In Sec. 19.
N 84 W	5.00	
N 86 W	5.00	
N 88 W	9.00	

T32 N. R. 14 W. Mer. Michigan.

Courses	chs. lks.	Remarks.
N 73 W	9.00	
N 88 W	13.00	
N 69 W	9.00	
N 84 3/4 W	5.00	
S 80 W	11.00	Stiff clay bank from 100 to 150 feet high.
S 75 W	3.50	
S 50 W	11.50	To post on Rang line between Ranges 14 + 15 West.

I Orange Riddon Deputy Surveyor, do solemnly swear, that in pursuance of a contract with Lucius Lyon, Surveyor General of the United States for the States of Ohio, Indiana and Michigan; and in strict conformity to the laws of the United States and his instructions; I have regularly surveyed and subdivided into sections North ~~xxxxxx~~<sup>or</sup> Great Manitow Islands in Lake Michigan, and State of Michigan:

And I do further swear that the preceding are the true and original field notes of the said survey, executed as aforesaid.

O. Riddon  
Depty. Surveyor.

Subscribed & Sworn to before me this  
3<sup>d</sup> day of Jan'y. 1848.

W. J. Barnham  
Notary Public,  
Wayne County  
Mich.



I certify that the foregoing transcript  
of the field notes of the Survey of Islands as  
therein described has been correctly  
copied from the original notes then on  
file in this office

Surveyor General's office  
St. Paul October 15<sup>th</sup> 1859

A. D. Emerson  
Sur. Genl.