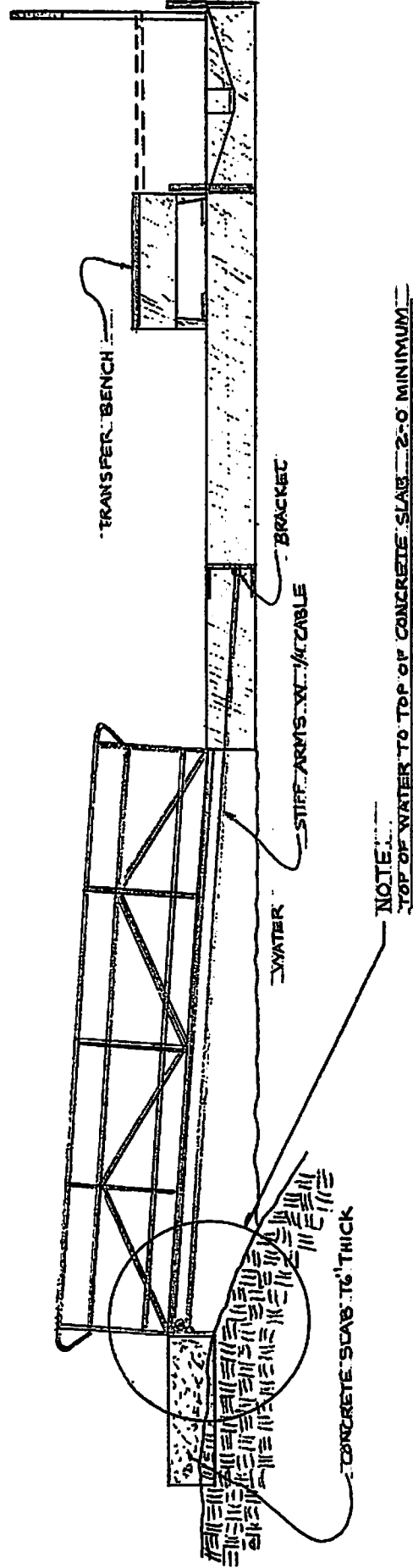


ADA B-Z DOCK KAYAK LAUNCH	
APPROVED BY	DRAWN BY J.C.
SCALE 3/8" = 1'-0"	REVIEWED
DATE 10-12-17	
DRAWING NUMBER	
4	



ADA KAYAK LAUNCH E ZDOCK			
SCALE: 1/8" = 1'-0"	APPROVED BY:	DRAWN BY: JC	
DATE: 10-1-17	REVIEWED:	BAGERDOCKS	
DRAWING NUMBER		2	



17 Maritime Drive  
P.O. Box 8  
Manitowoc, WI 54221-0008  
Phone: (920) 682-0131  
Fax: (920) 682-1099  
www.mcmullenandpitz.net

April 13, 2018

Page 1 of 3

Zoological Board of the City of Manitowoc  
3330 Custer Street  
Manitowoc, WI 54220  
Attn: Martin Gregory

Reference: Dock Abutment Construction – Little Manitowoc River

Dear Mr. Gregory,

Per your request, we are pleased to submit a proposal for constructing a new concrete dock abutment complete with a helical pier foundation, site grading, and turf restoration. This proposal is based on our conversations with you and our site visit on 4-11-18, all in accordance with the prices, terms and conditions set forth within:

**Concrete Dock Abutment & Site Grading:**

Furnish all necessary labor, materials, & equipment to perform the following work scope:

- Mobilize labor, materials, & equipment necessary to complete the project to and from the worksite.
- Install a silt fence along the shoreline to prevent sediments from entering the river.
- Grade the approach to the proposed dock by cutting down the existing embankment to approximately 18" above the normal water elevation (2'-3' cut at river). The approach will be graded back to existing grades (approx. 20 LF) to accommodate ADA guidelines. Side slopes will be graded at 3:1 horizontal to vertical.
- Excavate for the new 6'x7'x18" reinforced concrete abutment at the rivers edge. Final abutment grade to be determined by you and/or the dock manufacturer.
- All excavated spoils will be stockpiled onsite; no offsite disposal is included. Approximately 15 CY of spoils are expected.
- Due to the soft soils that are known to be present at the project site, we will install two helical piers to serve as the deep foundation for the new concrete abutment. Helical piers are estimated at 25' length each. The helical piers will be embedded in the new concrete foundation per the attached cross-section.
- Form and pour a new 6'x7'x18" reinforced concrete abutment per the attached cross-section. Finish concrete, strip forms, and seal new concrete with water-based sealer.
- Spread topsoil, seed, and place erosion matting over the graded approach and restore the turf. No watering or lawn maintenance is included.
- Dock manufacturing, installation, and attachment to the new abutment is not included.

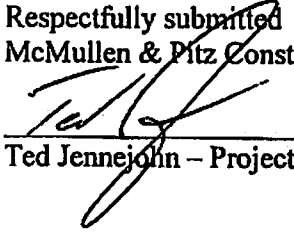
**TOTAL COST FOR THE ABOVE: \$15,750.00**



This proposal is further based on the following conditions:

1. Any permits required for this project are the responsibility of the owner. We will need to review a copy of any permits to determine whether the conditions will impact the scope and cost of this proposal.
2. The dock manufacturer will need to review our concrete abutment revisions and agree to the design before we proceed.
3. No bonding costs are included.
4. All utilities, overhead and underground that would interfere with our operations will be removed or shifted by others at no cost to us.
5. The above prices include the premium cost if comprehensive General liability insurance. Any other special insurance required to cover our operations would be in addition thereto.
6. This quote is based on 8-hour work days Monday thru Friday.
7. Attorneys' fees. If either party institutes any suite or action to enforce its rights hereunder, the successful party in such suite or action shall be entitled to recover from the other whatever sum the court may award as reasonable attorneys' fees in such suit or action and in any appeals therefrom.
8. As required by the Wisconsin construction lien law, contractor hereby notifies owner that persons or companies furnishing labor or materials for the construction on owner's land may have lien rights on owner's land and buildings if not paid.
9. All claims, disputes, and other matters in question arising out of, or relating to this agreement shall be submitted to binding arbitration and the parties hereto agree to execute and/or obtain the execution of all documents as may be necessary to submit such matters to arbitration. Unless otherwise agreed by all parties, said arbitration shall be in accordance with the rules and regulations of the American Arbitration Association.

Respectfully submitted  
McMullen & Pitz Construction Co.

  
\_\_\_\_\_  
Ted Jennejohn - Project Manager



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**INDEMNIFICATION:** to the fullest extent permitted by law, Zoological Board of the City of Manitowoc shall indemnify and hold harmless McMullen & Pitz Construction Co. from all damages, losses, or expenses, including attorney's fees, from any claims or damages for bodily injury, sickness, disease, or death, or from claims for damage to tangible property, other than the work itself. This indemnity and hold harmless provision shall continue to be in full force and effect notwithstanding the termination of this Contract, whether by expiration of time, operation or law or otherwise.

Price subject to change after 30 days.

Date of Acceptance: \_\_\_\_\_

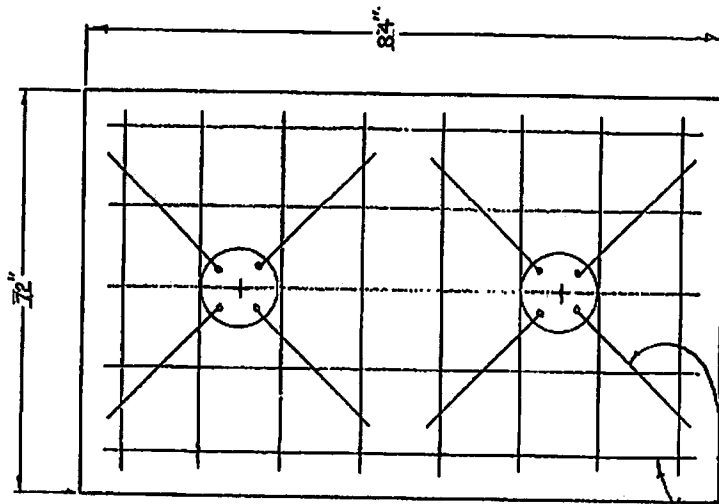
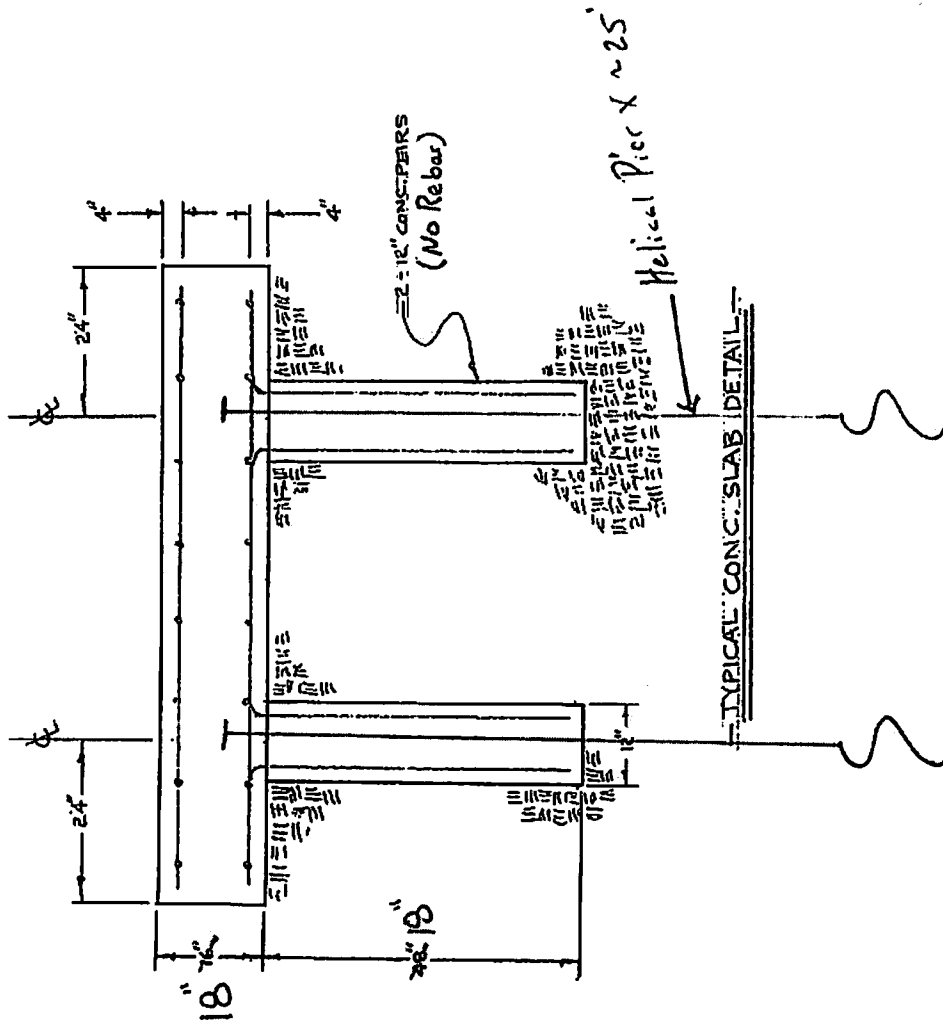
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Signature

\_\_\_\_\_  
Print/Type name above

Date of Acceptance: \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print/Type name above



4x4 REBAR EXTENDING FROM  
BASE OF PIER AND TYING INTO SLAB  
2 LAYERS OF 4x4 REBAR @ 12"x12" SPACING  
BOTH DIRECTIONS 3" MIN. COVER

# E-Z DOCK CONC. DETAIL

DESIGNED BY: J.C.  
DATE: 2-18-18  
BADGERDOCKS

DRAWING NUMBER



17 Maritime Drive  
P.O. Box 8  
Manitowoc, WI 54221-0008  
Phone: (920) 682-0131  
Fax: (920) 682-1099  
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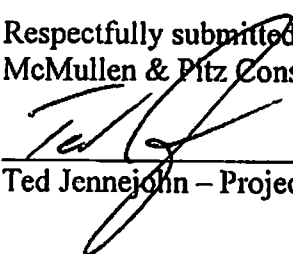
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Ted Jennejohn – Project Manager





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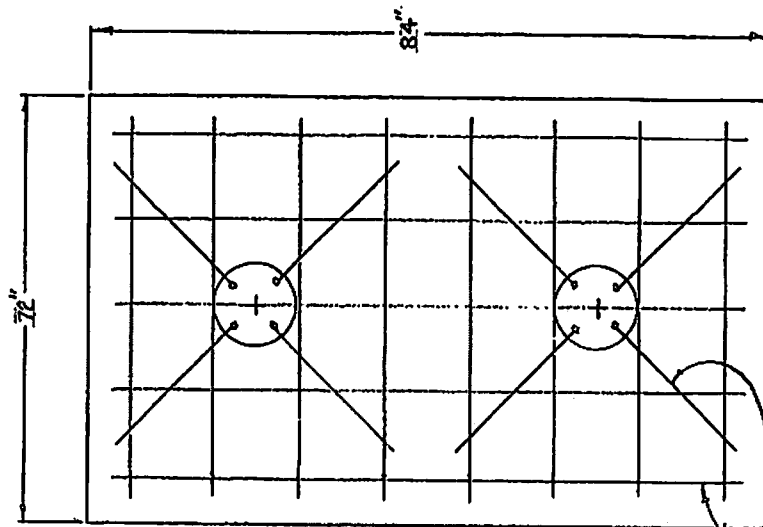
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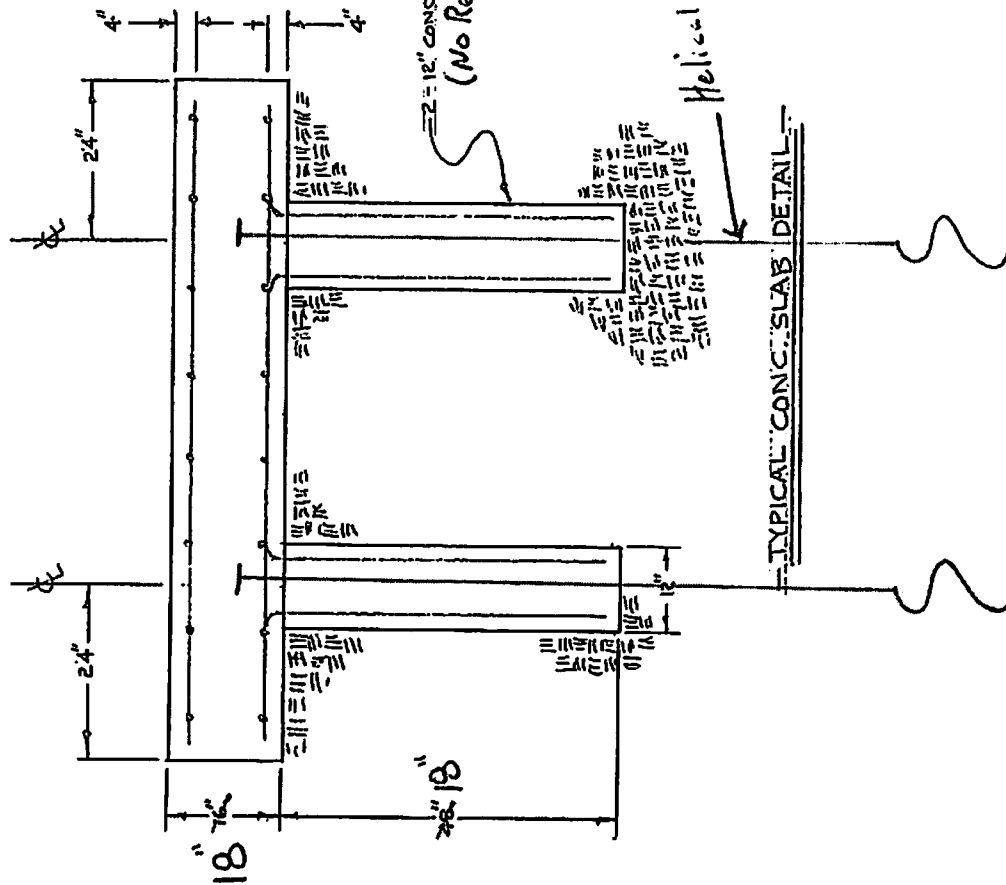
Date of Acceptance: \_\_\_\_\_

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Signature

\_\_\_\_\_  
Print/Type name above



4-#4 REBAR EXTENDING FROM  
BASE OF PIER AND TYING INTO SLAB  
2 LAYERS OF #4 REBAR @ 12" X 12" SPACING  
BOTH DIRECTIONS 3" MIN. COVER



TYPICAL CONCRETE SLAB DETAIL

# E-Z DOCK CONCRETE DETAIL

DESIGN: J.C. 1-0  
DATE: 2-18-18  
DRAWN BY: JC  
REVISED

DRAWING NUMBER

**Subject: Kayak Dock - Historical Lake Levels since 1974 to forecast March 2018**

Current ave level is as of Sept 2017 is 580.48'

Deepest depth at the kayak dock site is 3'

Leaving 1' of water to paddle in would mean 578.48 Lake level needed for dock to be useful

42 year history

1974- 1988 good for a period of 12 years

1988 - 1991 bad for a period of 3 years

1991-1998 good for a period of 7 years

1998-2014 bad for a period of 16 years

2014 - forecast to March 2018 good for a period of 4 years.

So out of the past 42 years 23 were definitely good and 19 were bad.

Now it looks like the level is on the good side for a few years.

MARTIN GREGORY [<mailto:mtgregory1@bellsouth.net>]

Sent: Thursday, October 19, 2017 2:10 PM



## Wisconsin Lake Michigan Water Trail



Access Points  
North Segment  
South Segment  
Site Survey  
Links  
Contact Information

A water trail on the Wisconsin shoreline of Lake Michigan and its tributaries is being developed. Once completed the trail will enable sea kayakers and canoeists to travel along the shores of Lake Michigan and have campsites along the way to overnight at. The Wisconsin trail will link-up with trails in Illinois and Michigan.

I am coordinating the development in Wisconsin. I have been "scouting" the Lake Michigan shore by kayak, by car, and by "virtual" paddling using mapping software on my computer.

I am seeking input from other sea kayakers to provide information about their access points and camping sites, as



- Interstate/U.S. Highway
- State Highway
- County Highway
- Local Road
- Surface Water
- Municipal Boundary
- Urban Area



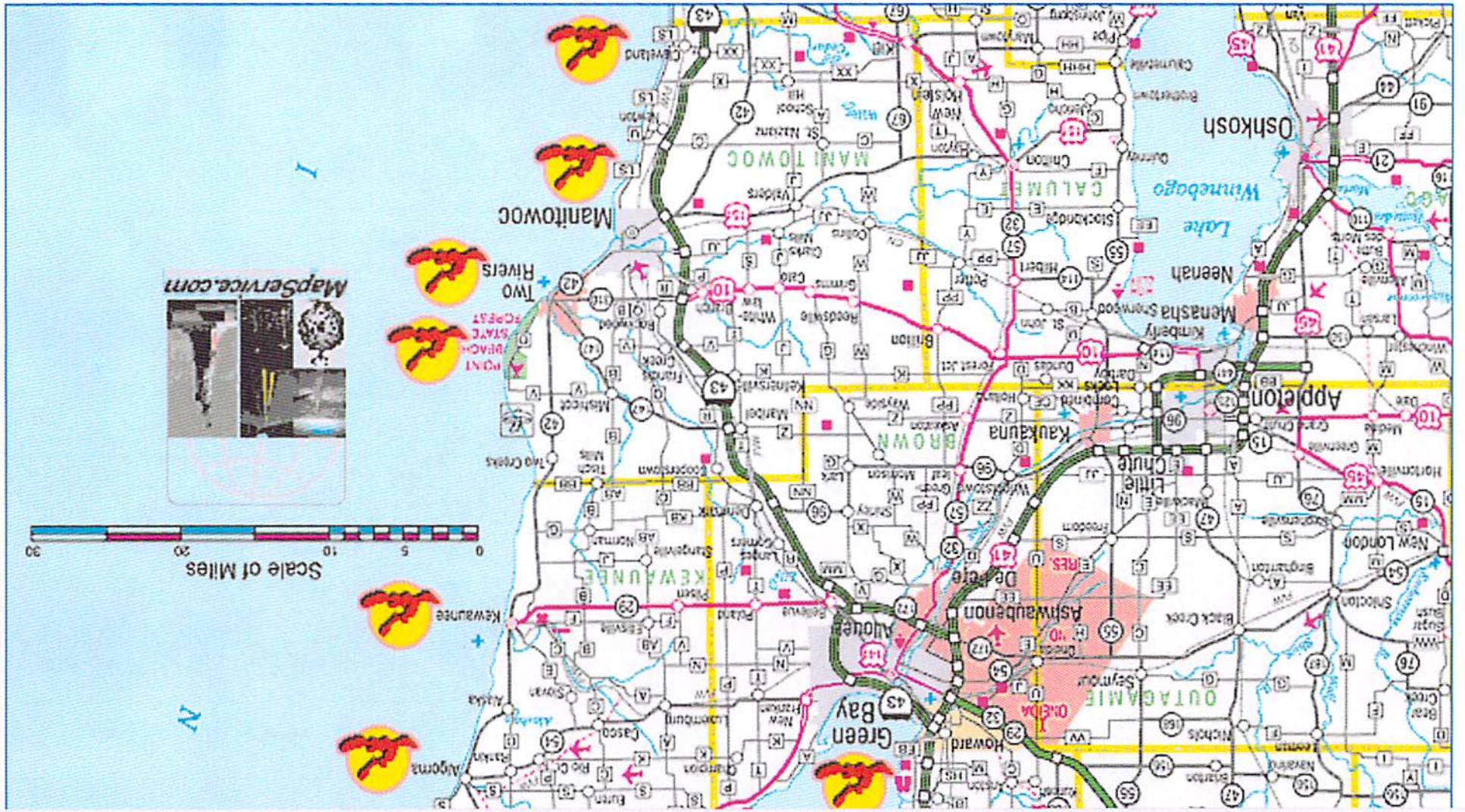
CLAIMER:  
This map is neither a legally recorded map nor a survey; it is not intended to be used as a basis for legal action. This drawing is a compilation of records, information and data used for reference only. Bay-Lake 320 is not responsible for any inaccuracies herein contained.





Back To Top

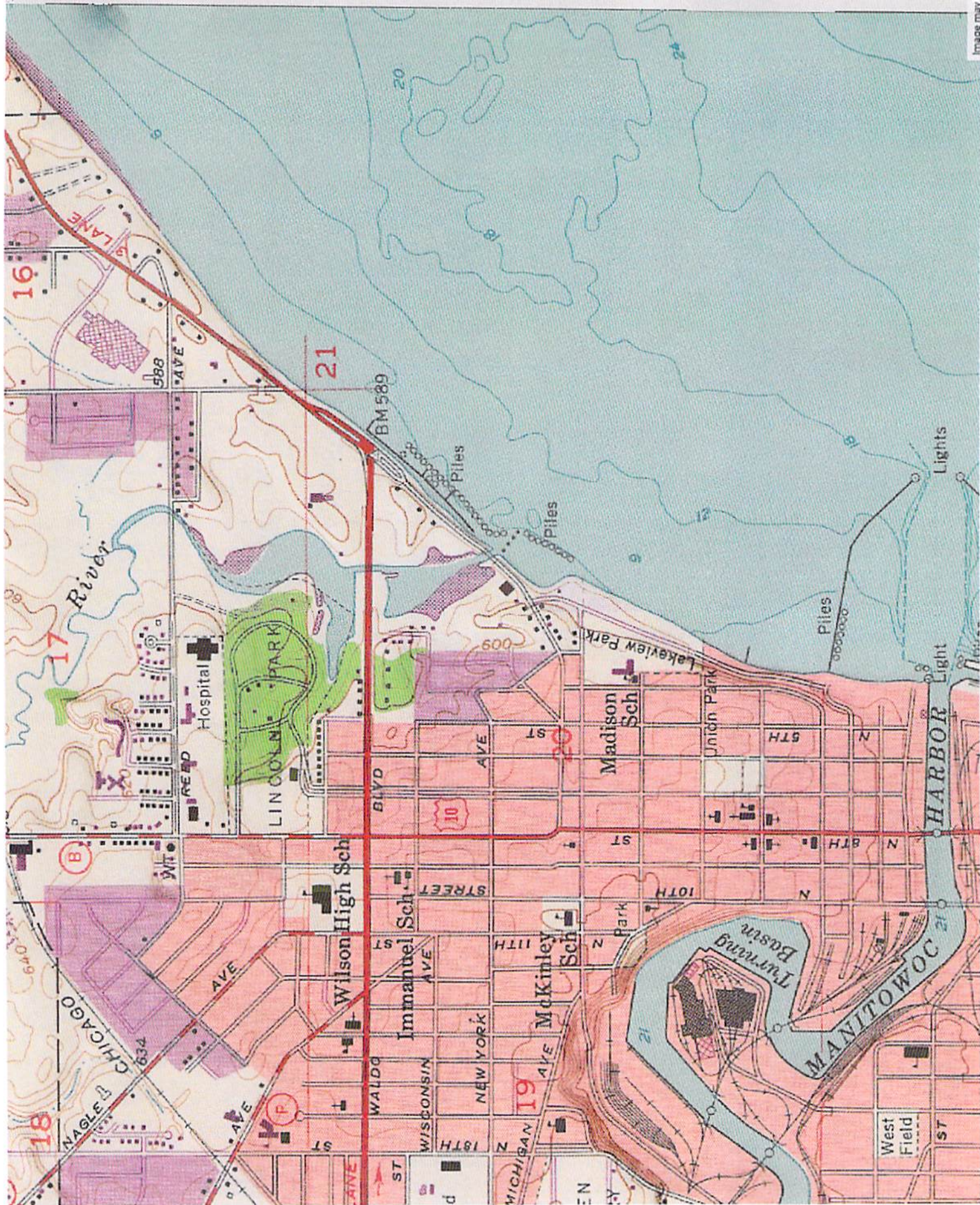
[ PRINTABLE PDF VERSION ]



kayak trails of wisconsin

www.kayakwisconsin.net/watertrail/north-segment.html

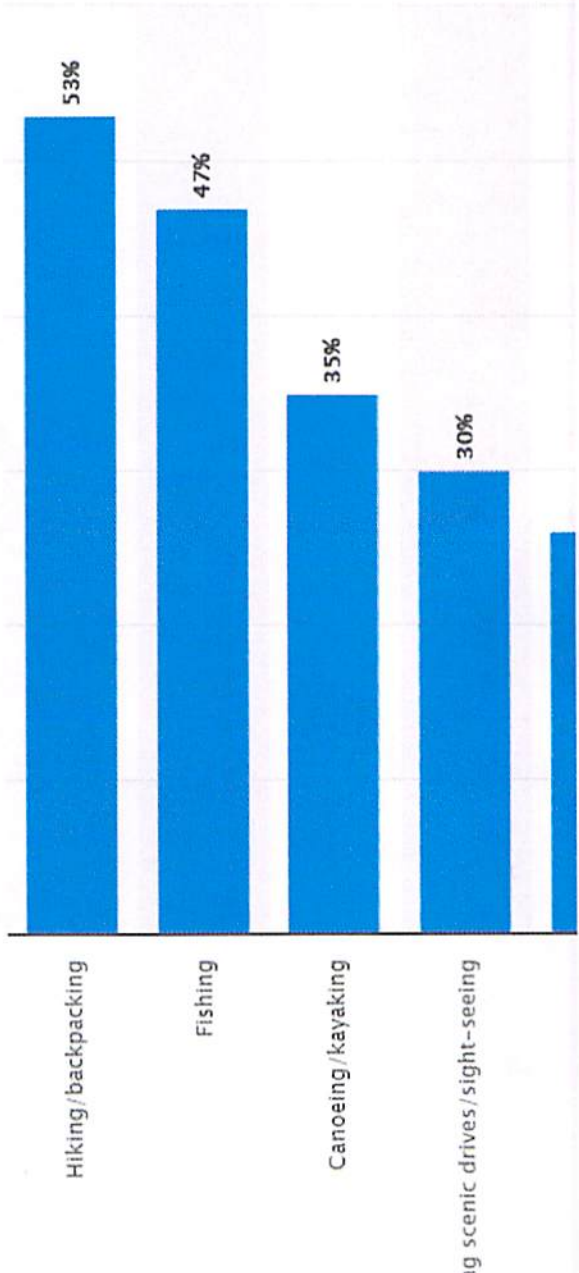






Tourism & Hospitality > Accommodation > Most popular recreation activities among campers in North America 2017

# Most popular recreation activities among campers in North America in 2017



DESCRIPTION SOURCE MORE INFORMATION

This statistic shows the most popular recreation activities among campers in North America in 2017. During the survey, 53 percent of the responder their favorite activity while camping was hiking

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privacy statement for details about how we use data.

OK