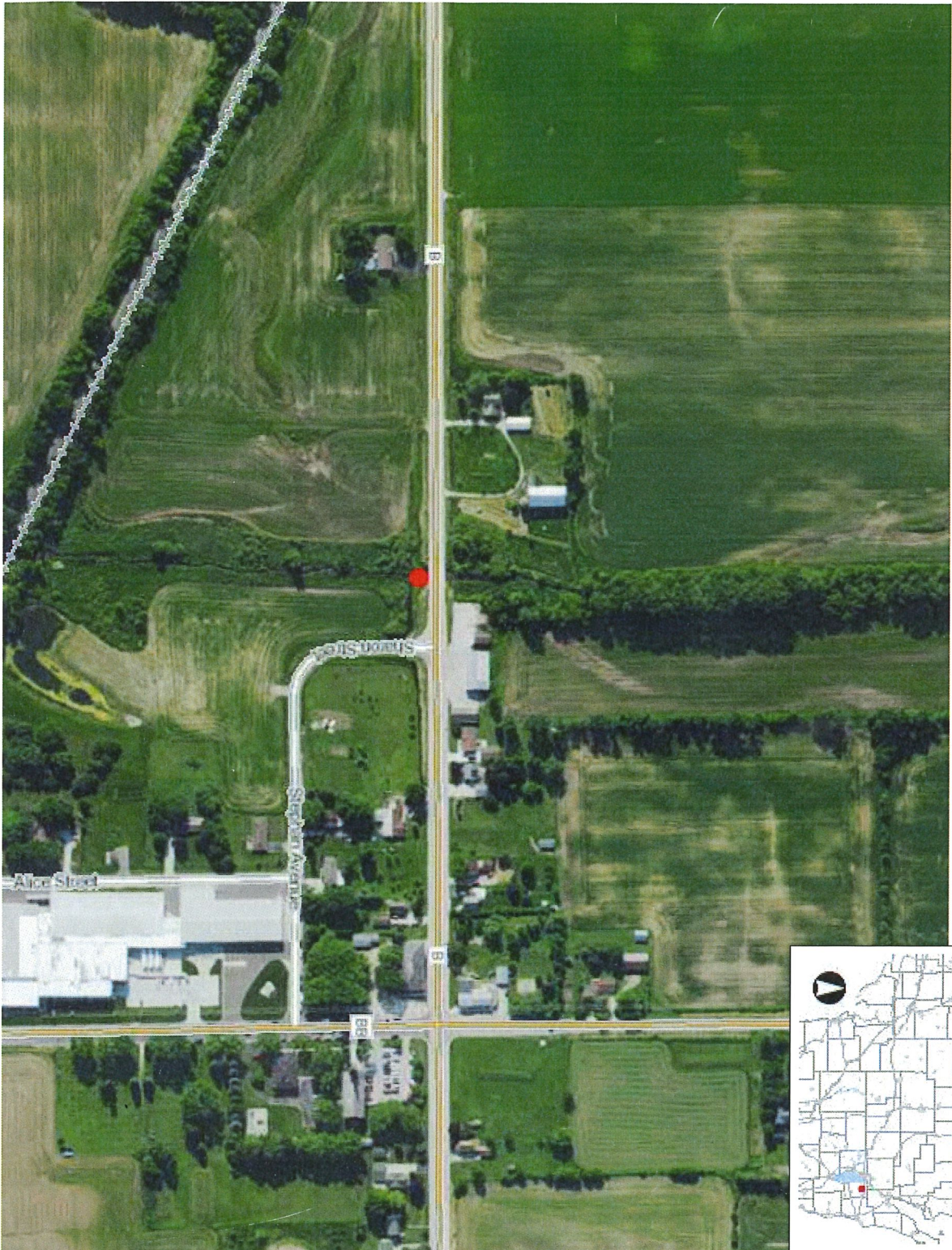


<b>OFFICIAL_NAME</b>	North Branch Manitowoc River
<b>WBIC</b>	75900
<b>Lead</b>	
<b>COUNTY</b>	Calumet
<b>SIZE(ACRES)</b>	
<b>Latitude</b>	44.169147
<b>Longitude</b>	-88.207948
<b>Station ID</b>	Polygon station will need to be made.
<b>WATERBODY_TYPE_CODE</b>	ED Stream/River Monitoring
<b>LANDINGCOUNT</b>	Stream crossing at CTH B, just west of BB
<b>Beach/Public/Park Count</b>	
<b>Secchi Depth (Ft)</b>	COOL-Warm Headwater
<b>AIS Present</b>	
<b>Needed Vouchers</b>	
<b>Boating Ords</b>	
<b>Last Monitoring Event</b>	
<b>Notes</b>	<i>Glyceria maxima</i> search
<b>Volunteers</b>	Tues. June 27 <sup>th</sup> 6/27/2017





# North Branch of Manitowoc River



NAD\_1983\_HARN\_Wisconsin\_TM

1 : 3,960

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/>

- Legend**
- Municipality
  - State Boundaries
  - County Boundaries
  - Major Roads**
    - Interstate Highway
    - State Highway
    - US Highway
  - County and Local Roads**
    - County HWY
    - Local Road
  - Railroads
  - Tribal Lands

## Notes



Aquatic Invasive Species Monitoring Data Form

Form 3600-532B (R 7/15)

Location Name	WBIC	SWIMS Station ID	County	Date	Start Time	End Time	Total Time (hrs x ppl)	Collector(s)	Contact info	35 X MSW*
North Branch Manitowish River	75900	16042884	Calumet	6/27/17	11:45			Amy Kretlow Alex Sella		

T1: <100, 2:100-200, 3:200-400, 4:400-600, 5:600-800

**STEP 1:** Record the sample site, habitat, and land use. If possible, record latitude and longitude (in decimal degrees). If AIS are observed, record species name, area, and density. If possible, collect up to 5 specimens of each AIS and take photos. Include internal and external labels with species code, **waterbody name**, **SWIMS station ID or WBIC or lat/long**, collector's name, and date. If needed, preserve specimens with adequate ethanol and identify ethanol type on label.

Site*	Latitude	Longitude	Habitat Type†	Land Use‡	Sub#	#1 name, L/D¶, area, density	#2 name, L/D¶, area, density	#3 name, L/D¶, area, density	Sample(s) collected (list/NA)?	Photo(s) collected (list/NA)?	No AIS observed	Comments
1	44.18525	88.20721				GM (Both sides River)					No GM	Beginning
2	44.18497	88.20641				GM (est. 0.3 acres)						
3	44.18477	88.20564				GM (.004 ac) Both sides						
4	44.18464	88.20490				GM (1/2 living room) Both side						
5	44.18488	88.20320				GM (1/2 acre) Both sides						to end point
	44.18574	88.20177				GM						to tree line
	44.18465	88.20048										impassable bridge
	44.17594	88.16377									X	
	44.17618	88.15031				CIP(2)					X	

All the waterbodies mixed in with other grasses found.



\* AU: access upstream, AD: access downstream, TUI: target upstream 1, TDI: target downstream 1, UI: incidental upstream 1, etc.

† Riffle, Run, Pool

‡ Natural, Agriculture, Urban

§ Silt, Sand, Gravel, Clay, Rock

¶ Area estimates: only one plant (.0001 ac), my living room (12'x16' or .004 ac); a baseball diamond (90' X 90' or 0.2 ac); or a football field (300' x 160' or 1.1acre). If linear use appropriate conversion of miles to acres (# of miles X 3.62 (if only on one side of the stream/road divide by 2))

|| Density ratings: 1 - a few individuals (1-25), 2 - many small, scattered populations (25 - 500), 3 - dense population (> 500)

\*Miller, M., Songer, K., and Dolen, R. 2014. Field Guide to Wisconsin Streams. University of Wisconsin Press. Madison, Wisconsin. (<http://uwpress.wisc.edu/books/4887.htm>)

**Step 2: Coordinate Voucher and sample submission and verification with regional DNR staff for all AIS records for the specific region.**

- Plants will be compiled and entered into a spreadsheet to be verified and submitted to a herbarium by an in-person appointment. Please indicate which herbarium: Freckmann Herbarium, Wisconsin State Herbarium, Other. Date of herbarium meeting \_\_\_\_\_
- Snails will be compiled with other regional snail specimens and sent to UW-La Crosse. Date sent \_\_\_\_\_
- Dreissenids will be sent to Science Services. Date sent \_\_\_\_\_
- Crayfish compiled and sent to Craig Roesler or Scott VanEgeren. Date \_\_\_\_\_

**Step 3:** Enter data into SWIMS. Work with appropriate DNR AIS specialist on data entry, if needed. If a photo is taken, attach it to the SWIMS record.

**Step 4:** Data was entered into SWIMS on 7/13/17 by Amy Kretlow

**Step 5:** Data entered in SWIMS was proofed on 10/22/2017 by Amy Kretlow

**Report Invasive Species**

Contact your local DNR Aquatic Invasive Species Contact and deliver this report form, specimens, and digital photo (id available). Please do this as soon as possible - no later than 4 days after you discover the plant. For more information visit: <http://dnr.wi.gov/topic/Invasives/report.html>.

- Milwaukee Area - Heidi Bunk, 262-574-2130, [heidi.bunk@wi.gov](mailto:heidi.bunk@wi.gov)
- Green Bay Area - Brenda Nordin, 920-662-5141, [brenda.nordin@wi.gov](mailto:brenda.nordin@wi.gov)
- Green Bay Area - Mary Gansberg, 920-662-5489, [mary.gansberg@wisconsin.gov](mailto:mary.gansberg@wisconsin.gov)
- Oshkosh Area - Ted Johnson, 920-424-104, [tedm.johnson@wisconsin.gov](mailto:tedm.johnson@wisconsin.gov)
- Madison Area - Susan Graham, 608-275-3329, [susan.graham@wi.gov](mailto:susan.graham@wi.gov)
- Rhineland Area - Kevin Gauthier, 715-356-5211 ext. 214, [kevingauthiersr@wi.gov](mailto:kevingauthiersr@wi.gov)
- Park Falls Area - Jim Kreitlow, 715-365-8947, [james.kreitlow@wi.gov](mailto:james.kreitlow@wi.gov)
- Spooner Area - Craig Roesler, 715-635-4076, [craig.roesler@wi.gov](mailto:craig.roesler@wi.gov)
- Eau Claire Area - Jodi Lepsch, 715-838-8385, [jodi.lepsch@wi.gov](mailto:jodi.lepsch@wi.gov)

**Notes:**

Species: CLP  
 Y-Photo  
 Photo name: CLP\_Calumet\_20170627 - NB Branch Manitowoc - 75900 - Kretlow  
 Date: 10/23/17  
 Comments: Verifier #1 Date Species Verifier #2 Date Species  
 Amy Kretlow 10/25/17 CLP Jodi Jackson 10/24/17 CLP

\* Miller, M., Songer, K., and Dolen, R. 2014. Field Guide to Wisconsin Streams. University of Wisconsin Press. Madison, Wisconsin. (<http://uwpress.wisc.edu/books/4887.htm>)