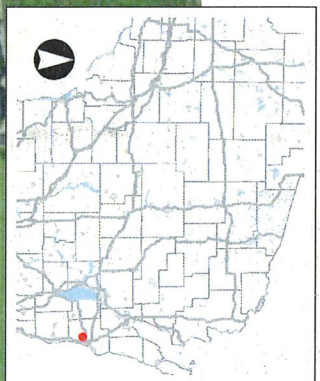
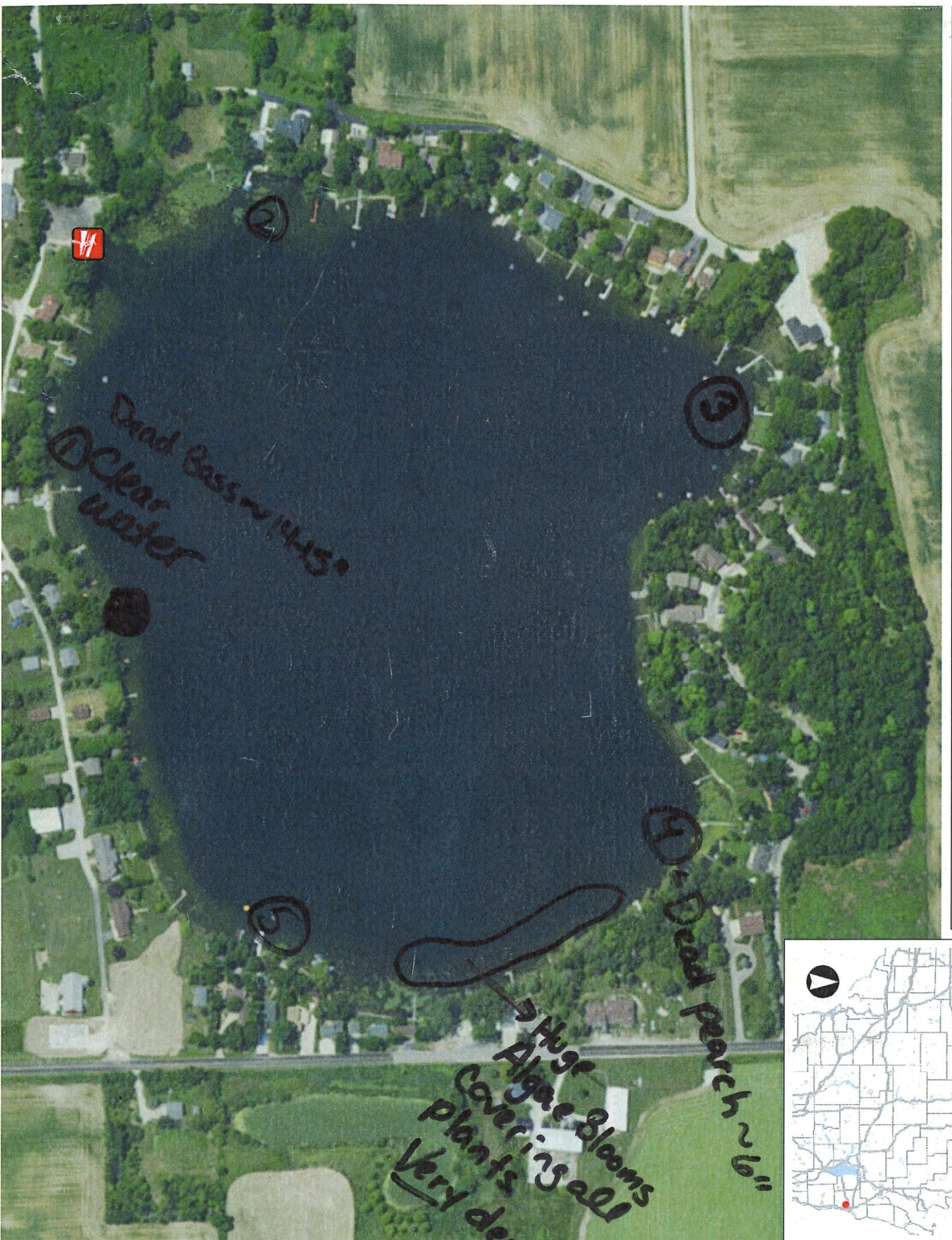


| | |
|--|---|
| OFFICIAL_NAME | English Lake |
| WBIC | 68100 |
| Lead | |
| COUNTY | Manitowoc |
| SIZE(ACRES) | 47.95 |
| Latitude | 44.04555 |
| Longitude | -87.7857 |
| MAX_DEPTH (FEET) | 85 |
| WATERBODY_TYPE_CODE | ED Lake Survey |
| LANDINGCOUNT | 1 |
| Beach/Public/Park Count | |
| Secchi Depth (Ft) | 10 |
| AIS Present | Banded Mystery Snail, Curly-Leaf Pondweed, Eurasian Water-Milfoil, Hybrid Eurasian / Northern Water-Milfoil |
| Needed Vouchers | BMS |
| | |
| Boating Ords | |
| Last Monitoring Event | 2012 |
| Notes | will be doing nothing - done lots of management in past |
| Volunteers <i>Survey date;</i> | <i>Monday July 10th</i> |



English Lake (WBIC 68100)



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

- Boat Access
- CARRY-IN
- RAMP
- UNKNOWN
- 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

Manitowoc County
48 acres
Boat Launch: 44.04378, -87.78864

Instructions: **Bold** fields must be completed.

| Location Name | WBIC | County | Date(s) | AIS sign? | Secchi (ft or m) | Conductivity (ZM > 99 umhos/cm) | Collector(s) | Start Time | End Time | Total Hours (hrs x # ppl) |
|---------------|------|-----------|---------|-----------|------------------|---------------------------------|---------------------------|------------|----------|---------------------------|
| English Lake | 6800 | Manitowoc | 7/10/17 | Y | 6.5A | — | Amy Kretlow Alex Seltz | 1:30 | 4:00pm | |

STEP 1: Circle species that you looked for and review the Identification Handout.

| AQUATIC PLANTS/ALGAE | European frogbit | Parrot feather | Water chestnut | Phragmites | New Zealand mudsnails | Faucet snails |
|-----------------------|---------------------|------------------------|-----------------|--------------------|-------------------------------|---------------|
| Starry stonewort | Hydrilla | Water hyacinth | Didymo | Purple loosestrife | Chinese/Banded mystery snails | Other |
| Yellow floating heart | Curly leaf pondweed | Water lettuce | RIPARIAN PLANTS | Yellow flag iris | Rusty/red swamp crayfish | |
| Brazilian waterweed | Fanwort | Eurasian water milfoil | Flowering rush | Japanese knotweed | Spiny/fishhook waterflea | |

STEP 2: Record locations of sampling sites (in decimal degrees). While snorkeling is optional, please indicate whether snorkeled or why not. List AIS found and density at each site or record none. Collect photographs and samples of any new AIS found. Include internal and external labels with WBIC, name of lake, county, sample date, and collector. Legibility is appreciated. If needed, preserve with adequate ethanol.

| Site* | Latitude | Longitude | Snorkel (Y/N) | If no, indicate why† | Species name, density (1-5)†, and live (L) or dead (D)‡ | Sample (Y/N) | Photo (Y/N) | No AIS | Comments |
|-------|----------|-----------|---------------|----------------------|---|--------------|-------------|--------|---|
| 1 | 44.04362 | 87.78671 | Y | | Ewm (2) Bms (1) | | Y | | Dead: 1g. Bass 14" 15" Ewm - very sick thin, brown table Possible RC clam |
| 2 | 44.04489 | 87.78884 | | | Ewm (2) Bms (1) CUP (1) | | | | |
| 3 | 44.04774 | 87.78768 | | | Ewm (2) Bms (1) | | | | |
| 4 | 44.04731 | 87.78369 | | | Ewm (2) Bms (1) CUP (1) | | | | |
| 5 | 44.04415 | 87.78374 | | | Ewm () | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

*boat landing (BL), target site (TS), meander survey (MS).

†Stained water, turbid water, blue-green bloom, chemical treatment, other (please describe).

‡Density ratings: 1-a few plants or invertebrates, 2-one or a few plant beds or colonies of invertebrates, 3-many small beds or scattered plants or colonies of invertebrates, 4-dense plant, snail, or mussel growth in a while bay or portion of the lake, or 5-dense plant, snail or mussel growth covering most shallow areas.

§Live (L) animals will contain flesh and live plants will generally be rooted. Dead (D) animals will not contain flesh and dead plants include sterile fragments.

Site #1: Abundant water celery; site #2: Abundant celery, thin leaf pond, Present: Chara, white water lily
 Site #3: Present: Chara, white water lily
 Site #4: Abundant, Filam. Algae (thick) water celery Present: Coontail
 Site #5: Abundant water celery, Chara Present: thin leaf pond, white waterweed Present: thin leaf pond, Coontail
 Filam. Algae Present

Water very clear

STEP 3: Regional verifier examination specimen(s) and photographs and provide identification results. Submit to next verifier. Create ROI and attach documents.

| Species | Specimen (Y/N) | Photo Name | Sent to | Date sent | Comments | This section is completed by the verifier(s) | | | | |
|---------|----------------|------------|---------|-----------|----------|--|------|----|-------------|------|
| | | | | | | Verifier #1 | Date | ID | Verifier #2 | Date |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

STEP 4: For new aquatic invasive species populations, collect photographs and samples. Provide photos, preserved specimens, and copies of the datasheet to the regional DNR verifier. Name photos with the SPSCODE_YYYYMMDD_WBIC or STATIONID or LAT LONG_COLLECTOR

STEP 5: Data was entered into SWIMS on 7/13/17 by Alex Seliu

Once data is entered, send scans of data sheets to central office (Maureen.Ferry@Wisconsin.gov).
STEP 6: Data was proofed on 10/23/2017 by Jimmy Whittaker

Mussel Veliger Tow Monitoring Report

Form 3200-135 (R 02/10)

The purpose of this form is to track the presence/absence of zebra or quagga mussel larvae (veligers) collected using a plankton net during AIS surveillance monitoring.

Notice: Information on this voluntary form is collected under ss. 33.02 and 281.11, Wis. Stats. Personally identifiable information collected on this form will be incorporated into the DNR Surface Water Integrated Monitoring System (SWIMS) Database. Personally identifiable information collected on this form will be incorporated into the DNR aquatic invasive species database. It is not intended to be used for any other purposes, but may be made available to requesters under Wisconsin's Open Records laws, ss. 19.32 - 19.39, Wis. Stats.

Primary Data Collector

| | | |
|----------------------------|-------------------------------------|------------------------------------|
| Name <u>Amy Kretlow</u> | Phone Number <u>920-893-8552</u> | Email <u>Amy.Kretlow@wi.gov</u> |
|----------------------------|-------------------------------------|------------------------------------|

Monitoring Location

| | | | |
|---------------------------------------|----------------------|----------------------------|---------------|
| Waterbody Name <u>English Lake</u> | WBIC <u>68100</u> | County <u>Manitowoc</u> | Township Name |
|---------------------------------------|----------------------|----------------------------|---------------|

Date and Time of Monitoring

| | | | |
|------------------------------|---------------------------|-------------------------|----------|
| Start Date <u>7/10/17</u> | Start Time <u>1:30</u> | End Date (= Start Date) | End Time |
|------------------------------|---------------------------|-------------------------|----------|

Monitoring Results

Guidelines for how many tows to collect: If Secchi depth is >4 m (13 feet) take two 2m deep tows; if Secchi depth is between 2-4 m (6.5-13 feet) take one 2m deep tow; if Secchi depth is <2 m (<6.5 feet) take one 1m tow.

Diameter of zooplankton net opening 30cm 50cm other _____ (circle one)

Site 1: Latitude (optional): 44.04539 Longitude (optional): 87.78531 Preservative Added
 Secchi depth (m) 15.5ft Number of net tows _____ Depth of tows (m) 2m

Site 2: Latitude (optional): 44.04539 Longitude (optional): 87.78531 Preservative Added
 Secchi depth (m) 15.5ft Number of net tows _____ Depth of tows (m) _____

Site 3: Latitude (optional): _____ Longitude (optional): _____ Preservative Added
 Secchi depth (m) _____ Number of net tows _____ Depth of tows (m) _____

Have you consolidated all of your samples into one composite bottle?

Have you sent your samples to the DNR Plymouth Service Center?

COMMENTS/OBSERVATIONS:

For DNR staff to fill out

| | |
|---|---------------|
| Volume of sample that was analyzed (ml) | Date analyzed |
|---|---------------|

Name of plankton sample analyst:

Name of person or museum who identified the voucher specimen:

Did the samples contain zebra mussel veligers? Yes No

Have you entered the results of the samples in SWIMS? Yes No

DNR staff: Please enter voucher information for new AIS findings into SWIMS under the Incident Report Project for your county (Choose Incident Report Form in SWIMS). Enter date of sampling for "Start Date", Person who identified specimen as "Data Collector", and Monitoring location as "Station".

The purpose of this form is to track the presence/absence of spiny or fishhook water fleas collected using a plankton net during AIS monitoring.

Notice: Information on this voluntary form is collected under ss. 33.02 and 281.11, Wis. Stats. Personally identifiable information collected on this form will be incorporated into the DNR Surface Water Integrated Monitoring System (SWIMS) Database. It is not intended to be used for any other purposes, but may be made available to requesters under Wisconsin's Open Records laws, ss. 19.32 - 19.39, Wis. Stats.

| Primary Data Collector | | | |
|--|--|---|---|
| Name | Phone Number | Email | |
| Amy Kretlow | 920-893-8552 | Amy.Kretlow@wi.gov | |
| Monitoring Location | | | |
| Waterbody Name | WBIC | County | Township Name |
| English Lake | 68100 | Manitowoc | |
| Date and Time of Monitoring | | | |
| Start Date | Start Time | End Date (= Start Date) | End Time |
| 7/10/17 | 1:30 | | |
| Monitoring Results | | | |
| Method used: <input type="checkbox"/> horizontal tows (near surface) <input type="checkbox"/> oblique tows (thermocline to surface) <input checked="" type="checkbox"/> vertical tows (bottom to surface) <i>Eckman Dredge</i> | | | |
| Diameter of plankton net opening 30cm 50cm other <u>Eckman Dredge</u> (circle one) | | | |
| Site 1: Latitude (optional): | Longitude (optional): | <input type="checkbox"/> Preservative Added | |
| 44.04539 | 87.7853N | | |
| Secchi depth (m) <u>15.5ft</u> (optional) | Depth sampled (if vertical or oblique tow) <u>84</u> ft/m (circle one) | | |
| Site 2: Latitude (optional): | Longitude (optional): | <input type="checkbox"/> Preservative Added | |
| | | | |
| Secchi depth (m) _____ (optional) | Depth sampled (if vertical or oblique tow) _____ ft/m (circle one) | | |
| Site 3: Latitude (optional): | Longitude (optional): | <input type="checkbox"/> Preservative Added | |
| | | | |
| Secchi depth (m) _____ (optional) | Depth sampled (if vertical or oblique tow) _____ ft/m (circle one) | | |
| <input type="checkbox"/> Have you consolidated all of your samples into one composite bottle? | | | |
| <input type="checkbox"/> Have you sent your samples to the DNR Plymouth Service Center? | | | |
| During this monitoring trip, did you find what you suspect are Spiny or Fishhook Waterfleas in this waterbody? | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Voucher Sample | | | |
| If you found Spiny or Fishhook Water fleas, did you collect a voucher specimen and bring it to your local DNR office? If so, which office? | | | |
| <input type="checkbox"/> Rhinelander | <input type="checkbox"/> Spooner | <input type="checkbox"/> Green Bay | <input type="checkbox"/> Oshkosh <input type="checkbox"/> Did not take sample to a DNR office |
| <input type="checkbox"/> Fitchburg | <input type="checkbox"/> Waukesha | <input type="checkbox"/> Eau Claire | <input type="checkbox"/> Superior <input type="checkbox"/> Other Office: _____ |

If you find Spiny or Fishhook Water Fleas

Please bring a copy of this form, along with a voucher specimen and if possible, a map showing where you found the suspect waterfleas to your regional Citizen Lake Monitoring Coordinator at the DNR. All initial discoveries should be placed in rubbing alcohol until verification by an expert is obtained.

If you don't Find Spiny or Fishhook Water Fleas

If you submit your data online, that is all you need to do. Otherwise, please mail a copy to your regional DNR Citizen Lake Monitoring coordinator. <http://dnr.wi.gov/lakes/contacts>

| For DNR staff to fill out | |
|--|--|
| Volume of sample that was analyzed (ml) | Date analyzed |
| Name of plankton sample analyst: | |
| Name of person or museum who identified the voucher specimen | |
| Was the specimen confirmed as....? | |
| Spiny Waterflea? <input type="checkbox"/> Yes <input type="checkbox"/> No | Fishhook Waterflea? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Have you entered the results of the voucher in SWIMS? <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| DNR staff: Please enter voucher information for new AIS findings into SWIMS under the Incident Report Project for your county (Choose Incident Report Form in SWIMS). Enter date of sampling for "Start Date", Person who identified specimen as "Data Collector", and Monitoring location as "Station". | |