

Aquatic Invasive Species Monitoring Data

The purpose of this form is to notify DNR of aquatic invasive species (AIS) surveillance results.

To find where aquatic invasives have already been found, visit: <http://dnr.wi.gov/topic/Invasives/report.html>

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 Public Records laws, ss. 19.32 - 19.39, Wis. Stats.

If the plant or animal cannot be collected due to safety concerns or it is located on private property, please take a photo (see Sample section below). DNR staff will then follow-up if further monitoring is needed for identification

Instructions: Bold fields must be completed.

Location Name		SWIMS Station ID	County	Collector(s)	Date	Start Time	End Time
Channel between Alder / Manitowish			Vilas	Richie Dillhoff, Aiden Withhoff, Zachary Ryan	8/9/23	9 AM	3 PM
Protocol	Wetland <input type="radio"/> Lake <input checked="" type="radio"/> Stream <input type="radio"/> Roadside <input type="radio"/> OIT <input type="radio"/>				AIS Sign Present	Paid Hours (Hrs x PPL)	Vol. Hours (Hrs x PPL)
Pathway	Maritime <input type="checkbox"/> State & Fed <input type="checkbox"/> Road & Trans <input type="checkbox"/> Canal, Dam, Div <input type="checkbox"/> Rec <input checked="" type="checkbox"/> OIT <input type="checkbox"/> Natural <input checked="" type="checkbox"/>				<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	6 x 3 = 18	

STEP 1: Become familiar with the ID handout before monitoring. Circle species looked for. These species will appear in SWIMS dropdown when entering fieldwork event.

AQUATIC PLANTS/ALGAE	RIPARIAN PLANTS	INVERTEBRATES
Eurasian water milfoil, Curly-leaf pondweed		

*Prohibited or Split Listed Species, †Unregulated species

STEP 2: Record locations of sites in decimal degrees. If diverting from the protocol (i.e. not snorkeling), indicate how and why in comments. List AIS found, gross area, cover, infested area and whether specimens were live/dead. Indicate whether specimens/photos were collected. Include internal and external labels with species name, SWIMS Station ID, Station name, county, sample date, and collector(s). Indicate if no AIS were found. Legibility is important. If needed, preserve with alcohol (4:1). If possible, submit maps.

1 Boat landing (BL), access (A), targeted search site (TS), meander/incidental site (MS). 2 Record locations of sites in decimal degrees. 3 Record whether AIS present at the site (Y/N). 4 Species present. Each species on a separate row. 5 Gross Area: estimate square meter area of survey site. We generally survey 15m x 15m or 225m² (~50ft x 50ft or 2,500ft²) at each site. 6 Cover (Daubenmire): 1: 0-5% (2.5%), 2: 5-25% (15%), 3: 25-50% (37.5%), 4: 50-75% (62.5%), 5: 75-95% (85.0%), 6: 95-100% (97.5%). Median % cover is the value in parentheses. 7 Infested area: gross area x median % cover. For median % cover see value in parenthesis in cover above. This will be calculated on iPads, but manually calculated in SWIMS. 8 Live:Dead Classes - 1: 100:0; 2: 95:5; 3:75:25; 4: 50:50; 5: 25:75; 6: 5:95; 7: 0:100. Live (L) animals will contain flesh and respond; live plants will be green or with live tissue when scratched and have reproductive fragments (seeds, flowers, apical meristem, etc.). Dead (D) animals will not contain flesh or respond and dead plants sterile fragments that won't root. 9 Indicate whether a photo was taken of the species at the site (Y/N). Photos are only mandatory when first occurrence. 10 Indicate whether a specimen was collected (Y/N). Specimens only mandatory for NR 40 prohibited species. 11 Indicate how and why protocols varied from SOP. Habitat description. Any other pertinent information.

Site ¹	Latitude ² xx.xxxxx	Longitude ² -xx.xxxxx	AIS Present ³ (Y/N)	Species ⁴ , gross a ⁵ , cover (1-6) ⁶ , infested a. (sq m) ⁷ , and L:D (1-7) ⁸					Photo taken ⁹ (Y/N)	Specimen collected ¹⁰ (Y/N)	Comments ¹¹ (include habitat description or protocol changes)
				Species ⁴	Gross Area ⁵	Cover ⁶	Infested Area ⁷	Live:Dead ⁸			
BL					Gross Area	Cover	Infested a. (sq. m.)	Live:Dead			
					Gross Area	Cover	Infested a. (sq. m.)	Live:Dead			
TS					Gross Area	Cover	Infested a. (sq. m.)	Live:Dead			
					Gross Area	Cover	Infested a. (sq. m.)	Live:Dead			

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				Species ⁴	Gross Area ⁵	Cover ⁶	Infested Area ⁷	Live:Dead ⁸			
TS					Gross Area	Cover	Infested a. (sq. m.)	Live:Dead			
					Gross Area	Cover	Infested a. (sq. m.)	Live:Dead			
TS					Gross Area	Cover	Infested a. (sq. m.)	Live:Dead			
					Gross Area	Cover	Infested a. (sq. m.)	Live:Dead			
TS					Gross Area	Cover	Infested a. (sq. m.)	Live:Dead			
					Gross Area	Cover	Infested a. (sq. m.)	Live:Dead			
TS					Gross Area	Cover	Infested a. (sq. m.)	Live:Dead			
					Gross Area	Cover	Infested a. (sq. m.)	Live:Dead			

STEP 3: Submit specimens/photographs and a map to Regional DNR AIS coordinator for verifier examination (**required for all new records**). Name photos with the SPSCODE_COUNTY_YYYYMMDD_WATERBODY NAME_(WBIC or STATIONID or LAT-LONG)_ COLLECTOR-NAME as detailed in the Photo Guidance. Regional DNR AIS coordinator will ensure ROI creation/editing.

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

Comments:

STEP 4: Data was entered into SWIMS on _____ by Alexander Selle will enter - double check in SWIMS

Once data is entered, send scans of data sheets to Regional DNR AIS Coordinator or attach them to the SWIMS project.

STEP 5: Data was proofed on _____ by _____

F = floating R = rooted C = colony → bigger than boat area

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				Species ⁴	Gross Area ⁵	Cover ⁶	Infested Area ⁷	Live:Dead ⁸			
001F	MS 46.10044	089.82175	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	Y	Y	one floater
002F	MS 46.10093	089.82211	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	Y	one floater
003R	MS 46.10124	089.82133	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	Y	rooted, multiple spots around point
004R	MS 46.10135	089.82133	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted, multiple
005R	MS 46.10266	089.82449	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	Y	rooted, multiple
006R	MS 46.10267	089.82471	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	Y	rooted, multiple
007R	MS 46.10275	089.82512	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	Y	rooted, small colony
008R	MS 46.10290	089.82552	Y	EWM	Gross Area	Cover	Infested a. (sq. m.) ≈ 10 sq. m.	Live:Dead	N	Y	rooted, small colony
009C	MS 46.10288	089.82585	Y	EWM	Gross Area	Cover	Infested a. (sq. m.) ≈ 10 sq. m.	Live:Dead	Y	N	large colony, see picture
010C	MS 46.10298	089.82632	Y	EWM	Gross Area	Cover	Infested a. (sq. m.) ≈ 10 sq. m.	Live:Dead	N	N	large colony
011C	MS 46.10272	089.82702	Y	EWM	Gross Area	Cover	Infested a. (sq. m.) ≈ 10 sq. m.	Live:Dead	N	N	large colony
012F	MS 46.10256	089.82796	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	Y	Multiple floaters
013R	MS 46.10315	089.82883	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted, multiple
014R	MS 46.10316	089.82790	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted, a foot deep
015F	MS 46.10466	089.83073	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	Y	floater, close to Manitowish Lake
016F	MS 46.10409	089.83015	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	Y	floating
017F	MS 46.10329	089.83029	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	Y	floating
018R	MS 46.10289	089.83057	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	Y	rooted plant

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				Species ⁴	Gross Area ⁵	Cover ⁶	Infested Area ⁷	Live:Dead ⁸			
019R	MS 46.10276	089.83063	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted
020R	MS 46.10221	089.83112	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted, multiple
021F	MS 46.10204	089.83135	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	floaters, multiple
022R	MS 46.10181	089.83150	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted, multiple
023R	MS 46.10166	089.83150	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted, multiple
024R	MS 46.10133	089.83138	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted, multiple
025R	MS 46.10112	089.83118	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted, large patch
026R	MS 46.10105	089.83117	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted multiple
027R	MS 46.10085	089.83098	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted multiple
028R	MS 46.10092	089.83086	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted multiple
029R	MS 46.10072	089.83058	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted multiple
030R	MS 46.10077	089.83024	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted multiple
031R	MS 46.10076	089.82992	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted plant
032R	MS 46.10098	089.82926	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted plant
033F	MS 46.10119	089.82861	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	Y	floaters
034F	MS 46.10131	089.82819	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	Y	floaters, multiple
035R	MS 46.10124	089.82771	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	N	rooted plant
036F	MS 46.10087	089.82704	Y	EWM	Gross Area	Cover	Infested a. (sq. m.)	Live:Dead	N	Y	floaters, multiple

