



# INVASIVE AQUATIC PLANT SCREENING SURVEY DOCUMENTATION FORM (3/12/2019)



Please complete a separate documentation form for each distinct survey: each waterbody surveyed, or each different survey level conducted on a single waterbody. Submit a copy of each completed form by Nov. 15, 2019 to LSM 24 Maple Hill Rd. Auburn ME 04210.

<b>Section 1: General Information</b>	<b>Survey Map Attached?</b> (circle one)    Y    N
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Waterbody \_\_\_\_\_ Town \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_

MIDAS # \_\_\_\_\_ Date/s \_\_\_\_\_ **On-Water Survey Hrs** \_\_\_\_\_ **X # surveyors** \_\_\_\_\_ = **Total Hrs** \_\_\_\_\_

Sector/s Location \_\_\_\_\_ Infestation Surveillance

Lead Surveyor \_\_\_\_\_ IPP Training: Y / N    Cert # \_\_\_\_\_ Plant ID Proficiency Cert: Y / N

Phone # \_\_\_\_\_ Email \_\_\_\_\_ Regional Affiliation \_\_\_\_\_

Name of Lake Team \_\_\_\_\_ For Multi-Year Surveys: YEAR \_\_\_\_\_ OF \_\_\_\_\_

Surveyor Type (check one)    IPP Volunteer \_\_\_ Agency \_\_\_ Research/Ed Inst. \_\_\_ Professional \_\_\_ Other (explain) \_\_\_\_\_

Additional Surveyor # 1 \_\_\_\_\_ Cert # \_\_\_\_\_ IPP Training: Y / N

Additional Surveyor # 2 \_\_\_\_\_ Cert # \_\_\_\_\_ IPP Training: Y / N

Additional Surveyor # 3 \_\_\_\_\_ Cert # \_\_\_\_\_ IPP Training: Y / N

*Check all that apply unless otherwise indicated*

Survey Level		Screening Methods		Relative Water Level (check one)	
check one	check one	VISUAL METHODS	GRAB SAMPLE METHODS		
<input type="checkbox"/> Limited	<input type="checkbox"/> By Sector <input type="checkbox"/> Entire	<input type="checkbox"/> Random Points	<input type="checkbox"/> Random Points	<input type="checkbox"/> Above	
<input type="checkbox"/> Level 1		<input type="checkbox"/> Plot Points	<input type="checkbox"/> Target Points	<input type="checkbox"/> Normal High	
<input type="checkbox"/> Level 2		<input type="checkbox"/> Transects	<input type="checkbox"/> Plot Points	<input type="checkbox"/> Below	
<input type="checkbox"/> Level 3		<input type="checkbox"/> Complete Coverage			
<b>Invasive Plant/s Targeted</b>				Maximum Observed Plant Depth (Circle Units)  _____ Meters / Feet	
<input type="checkbox"/> Complete List - all 11 invaders on section 2 table below <input type="checkbox"/> Partial List - Use codes from Sec. 2 to list specific targets _____					
Additional Survey Goals			Grab Sample Tool	Water Clarity	
<input type="checkbox"/> Inventory of dominant native plants by sector <input type="checkbox"/> Inventory of dominant native plants by waterbody <input type="checkbox"/> Complete inventory of native plants including rare/endangered species			<input type="checkbox"/> Long Handled Implement <input type="checkbox"/> Weed Weasel (double rake on line) <input type="checkbox"/> Hand	<input type="checkbox"/> Excellent <input type="checkbox"/> Fair <input type="checkbox"/> Good <input type="checkbox"/> Poor	
Light Conditions	Surface Conditions	Plant Conditions	Viewing Methods		
<input type="checkbox"/> Bright (distinct shadows) <input type="checkbox"/> Cloudy Bright <input type="checkbox"/> Overcast	<input type="checkbox"/> Flat (glass-like) <input type="checkbox"/> Ripples <input type="checkbox"/> Wavelets (no whitecaps) <input type="checkbox"/> Scattered Whitecaps	<input type="checkbox"/> Pre-Mature <input type="checkbox"/> Early Decay <input type="checkbox"/> Mature <input type="checkbox"/> Advanced Decay	<input type="checkbox"/> 4" Diameter Tube Scope <input type="checkbox"/> 6" Diameter Tube Scope <input type="checkbox"/> Bucket Scope or equivalent <input type="checkbox"/> Trunk Scope or equivalent	<input type="checkbox"/> Facemask or equivalent <input type="checkbox"/> Polarized Lenses <input type="checkbox"/> Naked Eye <input type="checkbox"/> Other _____	

<b>Section 2: Invasive Aquatic Plant Screening Survey</b>	<b>Suspected IAP observed:</b> Y    N <i>(Continue this section only if YES)</i>
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Suspicious Plant Submitted for ID: Y \_\_\_ N \_\_\_ To: LSM \_\_\_ DEP \_\_\_ Other (explain) \_\_\_\_\_ Date: \_\_\_\_\_

Brazilian Elodea (BE)    Curly-Leaf Pondweed (CP)    Eurasian Watermilfoil (EM)    European Frogbit (EF)    European Naiad (EN)    Fanwort (F)  
 Parrot Feather (PF)    Yellow Floating Heart (YH)    Variable Leaf Watermilfoil (VM) [VMh for hybrid]    Water Chestnut (WC)    Hydrilla (H)

IAP CODE	Sector / Location	GPS Lat/Long	Buoy Code	NOTES

**Section 3: Native Plant Inventory**

For inventory: ✓ = presence; D = dominant; U = uncommon

Common Native Plant Checklist *	Sector				Common Native Plant Checklist (con't)	Sector			
aquatic moss spp.					<i>Potamogeton natans</i> floating-leaf pondweed				
freshwater sponge spp.					<i>Potamogeton oakesianus</i> Oakes pondweed				
Metaphyton (colonial algae “clouds”)					<i>Potamogeton perfoliatus</i> clasping-leaf pondweed				
<i>Bidens beckii</i> water marigold					<i>Potamogeton pusillus</i> slender pondweed				
<i>Brasenia schreberi</i> watershield					<i>Potamogeton pusilloid spp.</i> small pondweed				
<i>Callitriche spp.</i> water starworts					<i>Potamogeton richardsonii</i> clasping (red-head) pondweed				
<i>Ceratophyllum demersum</i> coontail					<i>Potamogeton robbinsii</i> fern pondweed				
<i>Chara spp.</i> muskgrass					<i>Potamogeton spirillus</i> spiral-fruited pondweed				
<i>Dulichium arundinaceum</i> three-way sedge					<i>Potamogeton zosteriformis</i> flat-stem pondweed				
<i>Elatine minima</i> small waterwort					<i>Potamogeton spp.</i> pondweed spp.				
<i>Eleocharis acicularis</i> needle spikerush					<i>Ranunculus spp.</i> water buttercups				
<i>Eleocharis robbinsii</i> Robbin’s spikerush					<i>Sagittaria graminea</i> grass-leaved arrowhead				
<i>Elodea canadensis</i> common waterweed					<i>Sagittaria latifolia</i> common arrowhead				
<i>Elodea nuttallii</i> slender (Nuttall’s) waterweed					<i>Sagittaria spp.</i> arrowhead spp.				
<i>Eriocaulon aquaticum</i> pipewort					<i>Schoenoplectus subterminalis</i> water bulrush				
<i>Glyceria borealis</i> northern mannagrass					<i>Schoenoplectus tabernaemontani</i> soft-stem bulrush				
<i>Gratiola aurea</i> golden pert					<i>Sium suave</i> water parsnip				
<i>Isoetes spp.</i> quillwort spp.					<i>Sparganium angustifolium</i> narrow floating-leaf bur-reed				
<i>Juncus militaris</i> bayonet rush					<i>Sparganium fluctuans</i> floating leaf bur-reed				
<i>Juncus pelocarpus</i> brown fruited rush					<i>Sparganium spp.</i> bur-reed spp.				
<i>Lemna minor</i> common duckweed					<i>Spirodela polyrhiza</i> giant duckweed				
<i>Lobelia dortmanna</i> water lobelia					<i>Typha latifolia</i> common cattail				
<i>Myriophyllum alterniflorum</i> alternate-flowered water-milfoil					<i>Typha spp.</i> cattail spp.				
<i>Myriophyllum farwellii</i> Farwell’s water-milfoil					<i>Utricularia gibba</i> humped bladderwort				
<i>Myriophyllum humile</i> low water-milfoil					<i>Utricularia intermedia</i> northern bladderwort				
<i>Myriophyllum sibiricum</i> northern water-milfoil					<i>Utricularia minor</i> lesser bladderwort				
<i>Myriophyllum tenellum</i> dwarf water-milfoil					<i>Utricularia purpurea</i> large purple bladderwort				
<i>Myriophyllum verticillatum</i> whorled water-milfoil					<i>Utricularia radiata</i> floating bladderwort				
<i>Myriophyllum spp.</i> water-milfoil spp.					<i>Utricularia vulgaris</i> common bladderwort				
<i>Najas flexilis/canadensis</i> slender naiad					<i>Utricularia spp.</i> bladderwort spp.				
<i>Najas gracillima</i> thread-like naiad					<i>Vallisneria americana</i> wild celery (eel grass)				
<i>Nitella spp.</i> stonewort spp.									
<i>Nuphar variegata</i> spatterdock									
<i>Nymphaea odorata</i> fragrant water lily									
<i>Nymphoides cordata</i> little floating heart									
<i>Pontederia cordata</i> pickerel weed									
<i>Potamogeton amplifolius</i> large-leaf pondweed									
<i>Potamogeton berchtoldii</i> Berchtold’s slender pondweed									
<i>Potamogeton epihydrus</i> ribbon-leaf pondweed									
<i>Potamogeton gemmiparus</i> budding slender pondweed									
<i>Potamogeton gramineus</i> variable pondweed									

NOTES:

\*The form listing plants by common name is available at <http://www.lakestewardsme.org/volunteer-info/invasive-plant-monitors/data-forms/>

**Section 4: Observed Species of Concern**

SPECIES	Sector / Location	GPS Waypoint	Buoy Code	NOTES

EXAMPLE SPECIES OF CONCERN: purple loosestrife, Chinese mystery snail, gleotrichia, didymo