



# 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"/> Above <input type="checkbox"/> Normal High <input type="checkbox"/> Below
<input type="checkbox"/> Limited <input type="checkbox"/> Level 1 <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3	<input type="checkbox"/> By Sector <input type="checkbox"/> Entire	<input type="checkbox"/> Random Points <input type="checkbox"/> Plot Points <input type="checkbox"/> Transects <input type="checkbox"/> Complete Coverage	<input type="checkbox"/> Random Points <input type="checkbox"/> Target Points <input type="checkbox"/> Plot Points	<b>Maximum Observed Plant Depth</b> <i>(Circle Units)</i>  _____ Meters / Feet
<b>Invasive Plant/s Targeted</b>				
<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"/> Mature <input type="checkbox"/> Early Decay <input type="checkbox"/> Advanced Decay	<input type="checkbox"/> 4" Diameter Tube Scope <input type="checkbox"/> Facemask or equivalent <input type="checkbox"/> 6" Diameter Tube Scope <input type="checkbox"/> Polarized Lenses <input type="checkbox"/> Bucket Scope or equivalent <input type="checkbox"/> Naked Eye <input type="checkbox"/> Trunk Scope or equivalent <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.					pondweed, small <i>Potamogeton pusilloid</i> spp.				
arrowhead, common <i>Sagittaria latifolia</i>					pondweed, spiral-fruited <i>Potamogeton spirillus</i>				
arrowhead, grass-leaved <i>Sagittaria graminea</i>					pondweed, spp. <i>Potamogeton</i> spp.				
arrowhead, spp. (submersed) <i>Sagittaria</i> spp.					pondweed, variable <i>Potamogeton gramineus</i>				
bladderwort, common <i>Utricularia vulgaris</i>					quillwort spp. <i>Isoetes</i> spp.				
bladderwort, floating <i>Utricularia radiata</i>					rush, bayonet <i>Juncus militaris</i>				
bladderwort, humped <i>Utricularia gibba</i>					rush, brown-fruited <i>Juncus pelocarpus</i>				
bladderwort, large purple <i>Utricularia purpurea</i>					spatterdock <i>Nuphar variegata</i>				
bladderwort, lesser <i>Utricularia minor</i>					spikerush, needle <i>Eleocharis acicularis</i>				
bladderwort, northern <i>Utricularia intermedia</i>					spikerush, Robbin's <i>Eleocharis robbinsii</i>				
bladderwort, spp. <i>Utricularia</i> spp.					sponge, freshwater spp.				
bulrush, soft-stem <i>Schoenoplectus tabernaemontanii</i>					stonewort, spp. <i>Nitella</i> spp.				
bulrush, water <i>schoenoplectus subterminalis</i>					three-way sedge <i>Dulichium arundinaceum</i>				
bur-reed, floating-leaf <i>Sparganium fluctuans</i>					water buttercup <i>Ranunculus</i> spp.				
bur-reed, narrow floating-leaf <i>Sparganium angustifolium</i>					water lily, fragrant <i>Nymphaea odorata</i>				
bur-reed, spp. <i>Sparganium</i> spp.					water lobelia <i>Lobelia dortmanna</i>				
cattail, common <i>Typha latifolia</i>					water marigold <i>Bidens beckii</i>				
cattail, spp. <i>Typha</i> spp.					water parsnip <i>Sium suave</i>				
coontail <i>Ceratophyllum demersum</i>					water starwort, spp. <i>Callitriche</i> spp.				
duckweed, common <i>Lemna minor</i>					water-milfoil, alternate-flowered <i>Myriophyllum alterniflorum</i>				
duckweed, giant <i>Spirodela polyrhiza</i>					water-milfoil, dwarf <i>Myriophyllum tenellum</i>				
golden pert <i>Gratiola aurea</i>					water-milfoil, Farwell's <i>Myriophyllum farwellii</i>				
little floating heart <i>Nymphoides cordata</i>					water-milfoil, low <i>Myriophyllum humile</i>				
mannagrass, northern <i>Glyceria borealis</i>					water-milfoil, northern <i>Myriophyllum sibiricum</i>				
metaphyton (colonial algae "clouds")					water-milfoil, whorled <i>Myriophyllum verticillatum</i>				
muskgrass <i>Chara</i> spp.					water-milfoil, spp. <i>Myriophyllum</i> spp.				
naiad, slender <i>Najas flexilis/canadensis</i> *					watershield <i>Brasenia schreberi</i>				
naiad, thread-like <i>Najas gracillima</i>					waterweed, common <i>Elodea canadensis</i>				
pickerel weed <i>Pontederia cordata</i>					waterweed, slender (Nuttall's) <i>Elodea nutallii</i>				
pipewort <i>Eriocaulon aquaticum</i>					waterwort <i>Elatine minima</i>				
pondweed, Berchtold's slender <i>Potamogeton berchtoldii</i>					wild celery (eel grass) <i>Vallisneria americana</i>				
pondweed, budding slender <i>Potamogeton gemmiparus</i>									
pondweed, clasping-leaf <i>Potamogeton perfoliatus</i>									
pondweed, fern <i>Potamogeton robbinsii</i>									
pondweed, flat-stem <i>Potamogeton zosteriformis</i>									
pondweed, floating-leaf <i>Potamogeton natans</i>									
pondweed, large-leaf <i>Potamogeton amplifolius</i>									
pondweed, Oakes' <i>Potamogeton oakesianus</i>									
pondweed, red-head (clasping) <i>Potamogeton richardsonii</i>									
pondweed, ribbon-leaf <i>Potamogeton epihydrus</i>									
pondweed, slender <i>Potamogeton pusillus</i>									

NOTES:

\**Najas flexilis* explanation and \*\*form listing plants by scientific name is available at <http://www.lakestewards.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, gloetrichia, didymo