2020

INVASIVE AQUATIC PLANT SCREENING SURVEY
DOCUMENTATION FORM (6/12/2020)

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, 2020 to LSM 24 Maple Hill Rd. Auburn ME 04210.

Section 1: General Information   Survey Map Attached? (circle one)   Y (N)   Page _1_ of _2_

Waterbody **Saturday Pond**   Town **Otisfield**   County **Oxford**   State **ME**

MIDAS # **3440** Date/s **7/6, 9/13, 9/28** On-Water Survey Hrs **varied** X # surveyors **4** – Total Hrs **24**

Sector/s Location **complete pond**   Infestation Surveillance ☐

Lead Surveyor **Susan LaFleur**   IPP Training (Y)/ N   Cert # **LA-1712** Plant ID Proficiency Cert: Y (N)

Phone # ~~————~~   Email ~~————————~~   Regional Affiliation

Name of Lake Team **Saturday Pond Watershed Association** For Multi-Year Surveys: YEAR ____ OF ____

Surveyor Type (check one) IPP Volunteer ✓ Agency___ Research/Ed Inst.___ Professional___ Other (explain) _____

Additional Surveyor # 1 **Amy Brown**   Cert # **BR-1988** IPP Training (Y)/ N

Additional Surveyor # 2 **Julie Ywoskus**   Cert # _____ IPP Training: Y (N)

Additional Surveyor # 3 **Robin Nureck**   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**	☐ Above
☐ Limited		☐ Random Points	☑ Random Points	☑ Normal High
☐ Level 1	☐ By Sector	☐ Plot Points	☐ Target Points	☑ Below
☐ Level 2	☑ Entire	☐ Transects	☐ Plot Points	**Maximum Observed Plant Depth** *(Circle Units)*
☑ Level 3		☑ Complete Coverage		

Invasive Plant/s Targeted	
☑ Complete List - all 11 invaders on section 2 table below ☐ Partial List - Use codes from Sec. 2 to list specific targets _____	**approx. 3** Meters /(feet)

Additional Survey Goals	**Grab Sample Tool**	**Water Clarity**
☐ Inventory of dominant native plants by sector ☐ Inventory of dominant native plants by waterbody ☑ Complete inventory of native plants including rare/endangered species	☐ Long Handled Implement ☐ Weed Weasel (double rake on line) ☑ Hand	☑ Excellent ☐ Fair ☑ Good ☐ Poor

Light Conditions	Surface Conditions	Plant Conditions	Viewing Methods		
☑ Bright (distinct shadows)	☑ Flat (glass-like)	☐ Pre-Mature	☐ 4" ☐ 6" Dia. Tube Scope	☐ Facemask or equivalent	
☑ Cloudy Bright	☑ Ripples	☑ Mature	☐ Pistol Case Scope or equiv	☐ Polarized Lenses	
☐ Overcast	☐ Wavelets (no whitecaps)	☑ Early Decay	☐ Bucket Scope or equivalent	☑ Naked Eye	
	☐ Scattered Whitecaps	☑ Advanced Decay	☐ Trunk Scope or equivalent	☐ Other _____	

Section 2: Invasive Aquatic Plant Screening Survey   Suspected IAP observed: Y (N) *(Continue this section only if YES)*

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

Forms available on-line at www.lakestewardsme.org/

Section 3: Native Plant Inventory   For inventory: ✓ = presence; D = dominant; U = uncommon

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

NOTES: 2 loons   turtles   ducks   bald eagles   common watersnake   Gr. Blue Heron

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
Chinese Mystery Snails	Various locations, esp. south end			residents report many fewer this summer.

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