



INVASIVE AQUATIC PLANT SCREENING SURVEY DOCUMENTATION FORM (2/1/2010)



Please complete a separate documentation form for each distinct survey: each waterbody (or assigned sector) surveyed, or each different survey level conducted on a single waterbody. Submit a copy of each completed form by Nov. 15, 2010 to VLMP 24 Maple Hill Rd. Auburn ME 04210.

Section 1: General Information Survey Map Attached? (circle one) Y N

Waterbody Woodbury Pond Town Litchfield County Kennebec State ME
 MIDAS # 5240 Date/s 8/31/10 Total Survey Hrs (# hrs X # surveyors) 19 hrs.
 Sector/s Location "Buddy Pott's" cove
 Lead Surveyor Buffy DeMotte's IPP Cert # DE1009 IPP Training Y N Phone # 352-422-3929
 Email Address buffythelobsterslayer@yahoo.com Regional Affiliation TLIS & FOCW
 Surveyor Type (check one) IPP Volunteer Agency Research/Ed Inst. Professional Other (explain)
 Additional Surveyor # 1 Diane Clay IPP Cert # Ch?? IPP Training Y N
 Additional Surveyor # 2 Susie Wilding-Hartford IPP Cert # WL?? IPP Training Y N
 Additional Surveyor # 3 Michele Stowe IPP Cert # IPP Training Y N

Survey Level (check one only)
 Limited
 Infestation Surveillance
 Level 1
 Level 2
 Level 3 (By Sector)
 Level 3 (Entire)

Screening Method/s (check all that apply)
 VISUAL METHODS
 Random Points [VR]
 Plot Points [VP]
 Transects [VT]
 Complete Coverage [VC]
 GRAB SAMPLE METHODS
 Random Points [GR]
 Plot Points [GP]

Light Conditions (check all that apply)
 Bright (distinct shadows)
 Cloudy Bright
 Overcast

Relative Water Level (check one only)
 Above
 Normal High
 Below

Maximum Observed Plant Depth (circle units)
10+ Meters \neq Feet

Surface Conditions (check all that apply)
 Flat (glass-like)
 Ripples
 Wavelets (no white caps)
 Scattered whitecaps

Screening Target/s (check all that apply)
 Complete (all 11 invaders on Section 2 table below)
 Partial (Use codes from Sec. 2 to list specific targets _____)

Grab Sample Tool (check all that apply)
 Long Handled Implement
 Weed Weasel (Double Rake on Line)
 Hand

Additional Survey Goals (check all that apply)
 Inventory of dominant native plants by sector
 Inventory of dominant native plants by waterbody
 Complete inventory of native plants including rare/endangered species

Scope Type (check all that apply)
 Tube Scope 6" diam 4" diam
 9-10" diam Bucket Scope or equivalent
 Trunk Scope or equivalent
 Facemask or equivalent
 Other: _____

**Don't Forget
to Record
Your Survey
Hours!**

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: VLMP 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 Waypoint	Buoy Code	NOTES

Woodbury Pond

8/31/2010

Section 3: Native Plant Inventory For inventory: presence, D - dominant, U - uncommon

Common Native Plant Checklist	Inventory by Multiple Discrete Areas						Composite Inventory	NOTES:
	8/31							
aquatic moss spp.								
arrowhead, spp. <i>Sagittaria</i> spp.	✓							
bladderwort, common <i>Utricularia macrorhiza</i>								
bladderwort, large purple <i>Utricularia purpurea</i>								
bladderwort, spp. <i>Utricularia</i> spp.	✓							
bur-reed, floating leaf <i>Sparganium fluctuans</i>	✓							
bur-reed, narrow floating-leaf <i>S. angustifolium</i>								
bur-reed, spp. (emergent) <i>Sparganium</i> spp.	✓							
coontail <i>Ceratophyllum demersum</i>								
little floating heart <i>Nymphoides cordata</i>								
metaphyton (colonial algae "clouds")	✓							
muskgrass <i>Chara</i> spp.	D							
naiad, slender <i>Najas flexilis</i>	✓							
pickercel weed <i>Pontederia cordata</i>	✓							
pipewort <i>Eriocaulon aquaticum</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, ribbon-leaf <i>Potamogeton epihydrus</i>								
pondweed, small <i>Potamogeton pusilloid</i> spp.								
pondweed, spiral-fruited <i>Potamogeton spirillus</i>								
pondweed, spp. <i>Potamogeton</i> spp.	✓							
pondweed, variable <i>Potamogeton gramineus</i>								
quillwort spp. <i>Isoetes</i> spp.								
rush, bayonet <i>Juncus militaris</i>								
spatterdock, <i>Nuphar variegata</i>	✓							
spikerush, needle <i>Eleocharis acicularis</i>								
stonewort spp. <i>Nitella</i> spp.								
water lily, fragrant <i>Nymphaea odorata</i>								
water lobelia <i>Lobelia dortmanna</i>								
water marigold <i>Bidens beckii</i>	✓							
water milfoil, dwarf <i>Myriophyllum tenellum</i>								
* water milfoil, alternate-flowered <i>M. alterniflorum</i>	✓							
water milfoil, Farwell's <i>M. farwellii</i>	✓							
water milfoil, low <i>Myriophyllum humile</i>								
water milfoil, northern <i>Myriophyllum sibiricum</i>								
water milfoil, whorled <i>Myriophyllum verticillatum</i>								
watershield <i>Brasenia schreberi</i>	U							
waterweed, common <i>Elodea canadensis</i>	✓							
waterweed, slender (Nutall's) <i>Elodea nuttallii</i>	✓							
wild celery (eel grass) <i>Vallisneria spiralis</i>	D							
Small Duck Weed	✓							
Robbins Spike Rush	✓							

floating sample taken in -
~~floating sample included~~

Confirmed by
 Christine Guenette
 at MCIAP

Section 4: Observed Species of Concern

SPECIES	Sector / Location	GPS Waypoint	Buoy Code	NOTES
Chinese Mystery Snail				

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

WATER QUALITY SUMMARY

WOODBURY POND, Litchfield

513 acres

Midas: 5240

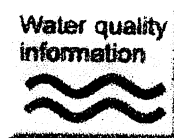
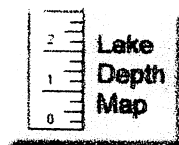
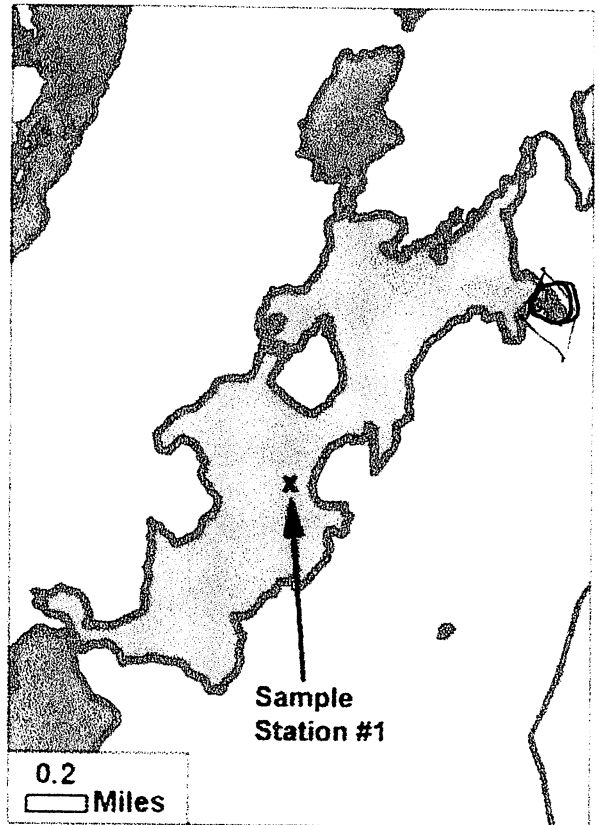
- Basin: Primary (01)

The Cobbossee Watershed District (CWD) in conjunction with the Maine Department of Environmental Protection (ME-DEP) and the Volunteer Lake Monitoring Program (VLMP) have collaborated in the collection of lake data to evaluate present water quality, track algae blooms, and determine water quality trends. This dataset does not include bacteria, mercury, or nutrients other than phosphorus.

Water quality monitoring data for Woodbury Pond has been collected since 1974. During this period, 15 years of basic chemical information was collected, in addition to Secchi Disk Transparencies (SDT). In summary, the water quality of Woodbury Pond is considered to be above average, based on measures of SDT, total phosphorus (TP), and Chlorophyll-a (Chla). The potential for nuisance algal blooms on Woodbury Pond is low to moderate.

Water Quality Measures: Woodbury Pond is a non-colored lake (average color 15 SPU) with an average SDT of 6.1m (20.0ft). The range of water column TP for Woodbury Pond is 7 - 11 parts per billion (ppb) with an average of 8 ppb, while Chla ranges from 2.0 - 9.3 ppb with an average of 3.4 ppb. Recent dissolved oxygen (DO) profiles show moderate DO depletion in deep areas of the lake. The potential for TP to leave the bottom sediments and become available to algae in the water column (internal loading) is moderate.

Filename: WOOD5240, Revised: 3/01, By: lb



See the Maine Department of Environmental Protection Explanation of Lake Water Quality Monitoring Report for measured variable explanations. Additional lake information can be found on the Internet at <http://www.pearl.maine.edu> and/or <http://www.maine.gov/dep/blwg/lake.htm>, or telephone Maine Department of Environmental Protection at 207/287-3901 or Maine Volunteer Lake Monitoring Program at 207/783-7733.