



INSTRUCTIONS FOR INVASIVE AQUATIC PLANT MAPPING SURVEY DOCUMENTATION FORM (6/1/09)



Can I use last year's Mapping Survey Form?

PLEASE do not use old forms. The Mapping Survey Form is updated from year to year and old forms are missing important information.

Can I put more than one lake/pond on the same sheet?

If you sample multiple waterbodies, **PLEASE** use a separate sheet for each distinct waterbody.

How do I fill out my form?

NOTE: It is best to use a pencil because some inks are water-soluble.

SECTION 1: General Information

1. Fill out the top portion of the Mapping Survey Form with the **waterbody name, town, county, state** (if other than Maine)
2. **MIDAS #:** Unique four-digit identification code for a lake (rivers do not have these codes) If unknown contact VLMP-CIAP for information
3. **Date/s:** Record the date as month, day, year
4. **Total Survey Hours:** Record total number of hours as # of hours spent conducting the survey on the water multiplied by # of surveyors
5. **Lead Surveyor:**
 - a. **Name:** Record first and last name
 - b. **IPP Certification #:** Record IPP certification number if applicable (if unknown contact VLMP-CIAP)
 - c. **Phone # and/or Email Address:** Recording both email and phone is preferred
 - d. **Regional Affiliation:** Record lake association, agency, etc. that you are affiliated with if applicable
 - e. **Surveyor Type:**
 - IPP Volunteer** – Invasive Plant Patrol trained volunteer
 - Agency** – Staff from various agencies that conduct surveys, e.g. Auburn Water District, Maine DEP, Maine Department of Conservation Natural Areas Program
 - Research/Ed. Institute** – Students and /or faculty of a research institution (such as college or university)
 - Professional** – Trained professional, usually hired by the lake association and / or stakeholders
 - Other (explain)** – anyone who does not fit into the above categories
6. **Additional Surveyors:**
 - a. **Name:** Record first and last name
 - b. **IPP Certification #:** Record IPP certification number if applicable (if unknown contact VLMP-CIAP)

SECTION 2: Invasive Aquatic Plant Mapping Survey

1. **Map Point:** Numbered point on survey map that identifies location of IAP
2. **IAP Code:** Invasive species are abbreviated as follows
 - BE** – Brazilian Elodea (*Egeria densa*)
 - CP** – Curly-leaf Pondweed (*Potamogeton crispus*)
 - EM** – Eurasian Watermilfoil (*Myriophyllum spicatum*)
 - EF** – European Frogbit (*Hydrocharis morsus-ranae*)
 - EN** – European Naiad (*Najas minor*)

F – Fanwort (*Cabomba caroliniana*)

PF – Parrot Feather (*Myriophyllum aquaticum*)

YH – Yellow Floating Heart (*Nymphoides peltata*)

VM – Variable Leaf Watermilfoil (*Myriophyllum heterophyllum*)

VMh – Hybrid Variable Leaf Watermilfoil (*M. heterophyllum* x *M. laxum*)

WC – Water Chestnut (*Trapa natans*)

H – Hydrilla (*Hydrilla verticillata*)

3. **Sector/Location:** Record area surveyed with enough detail for someone unfamiliar with the area to locate the site. Please use permanent landmarks whenever possible.
4. **GPS Waypoint:** Set of coordinates identifying location on survey map; usually longitude & latitude
5. **Buoy Code:** Record code on buoy marking the location of the potential invader.
6. **Characterization Code:** Use the code(s) listed below that best describes the marked infested area. More than one code may be needed, e.g. SIA/MXN would indicate an area where IAP occurs occasionally among native plants

IN: Individual IAP

CL: Cluster of IAP: 2-6 plants growing in close proximity to one another

SDP: Small Dense Patch of IAP; primarily single species stands covering an area less than 100 square feet

MDP: Medium-sized Dense Patch of IAP; primarily single species stands covering an area 100 to 500 square feet

LDP: Large Dense Patch of IAP; primarily single species stands covering an area over 500 square feet (Provide an estimate of the area coverage for LDP if possible)

SIA: Sparsely Infested Area; plants and plant clusters sparsely distributed over a wide area, to numerous to mark individually (Shade SIA on the map &/or mark outer boundaries with series of GPS points)

MIA: Moderately Infested Area; plants and plant clusters moderately distributed over a wide area, too numerous to mark individually (Shade MIA on the map &/or mark outer boundaries with series of GPS points)

MXN: IAP Mixed in among an established colony of native plants

EXAMPLES OF MAPPING SURVEY MAPS

