



Maine is being invaded!

Our help is needed!

INVASIVE PLANT PATROL (IPP) WORKSHOP
Monitoring & Mapping
Invasive Aquatic Plant Infestations
Field Methods (on the water) Training

**Presented by Maine Volunteer Lake Monitoring Program's
Center for Invasive Aquatic Plants**

Hosted by the Maine Milfoil Consortium, Portland Water District,
& Raymond Waterways Protective Association

Tuesday, August 3, from 9 AM to 1:30 PM

Please BYO snacks, beverages, and lunch

Veteran's Memorial Park, Rte 302, Raymond
(at the junction of Rte 85 and Rte 302, on the Sebago Lake side)

Thirty- two waterbodies in Maine are known to be infested by invasive aquatic plants. In order for control efforts to be effective, it is essential that infested waters be routinely monitored, and infested areas accurately characterized and mapped. Trained volunteers can play an extremely important role in this effort. The work is interesting, rewarding and yes . . . actually fun! **This workshop provides** on-lake instruction and practice in the fundamentals of invasive aquatic plant screening surveys, as well as monitoring and mapping invasive aquatic plant infestations. The course was designed as advanced training for those who have already attended the introductory IPP workshop, but previous workshop experience is not a prerequisite. In fact, for those who learn best by *doing*, this workshop may be the perfect way to begin your training. Participants must bring their own shallow draft boats, e.g. canoes, kayaks, inflatables. (Additional boat space may be available upon request.)

The workshop is free. All are welcome to attend! Please see the back of this flyer for an overview of the course, and a list of things to bring.

IMPORTANT: Pre-registration is required for all workshops. Please contact the Maine Volunteer Lake Monitoring Program at vlmp@mainevlmp.org or (207) 783-7733 to register, or for more information.

Invasive Plant Patrol workshops are made possible with support from the Maine Department of Environmental Protection, Boater participation in Maine's Lake and River Protection Sticker program, Maine Milfoil Initiative, Maine Community Foundation, The Betterment Fund, & Casco Bay Estuary Partnership, Roy A. Hunt Foundation, and donations from individuals, workshop hosts, lake & watershed associations, and businesses

IPP Monitoring and Mapping Workshop Overview:

On shore: Greetings and Getting Started

- Building upon the Invasive Aquatic Plant (IAP) screening survey: IAP monitoring and mapping
- Review survey/monitoring procedures, gear and survey data sheets
- Orientation to survey area/ survey maps
- Break into survey units (generally two people per boat or two kayakers working in tandem).
- Assemble temporarily into 3 larger groups for on-lake demo/practice session

On Lake Learning Stations: Groups alternate between three demo/practice stations

- Station 1: Determine the depth of plant observation: take Secchi readings and measure direct observation; point sampling with the weed weasel
- Station 2: Adjusting survey strategy to maximize direct observation; collect a specimen for identification
- Station 3: Characterizing and mapping infested areas

Conduct a Survey: On-the-water practice with guidance from staff as needed

Return to Launch Site. Back on Shore:

- Debrief; questions and answers
- Aquatic plant show and tell
- Conclude

What you will need to bring:

1. Small, shallow-draft boat, e.g. canoe, 2 person kayak, inflatable, lightweight skiff, etc.
2. Two surveyors per boat--one to paddle or steer, and one observer/recorder--are highly recommended. Two single kayakers surveying in tandem also works fine. If you have room for a partner in your boat, please let us know. We do have access to some additional boats if needed. Please contact us to make arrangements.
3. Lightweight plastic leaf rake for grabbing specimens (a small mesh net may also be useful)
4. Pencil and clipboard
5. Viewing scope: We have some extra scopes available for participants. If you have recently applied to become a Certified Patroller, please let us know and we will bring your free scope to the training.
6. Heavy duty Zip-Lock bags and small cooler or plastic container for storing specimens
7. Plant identification guide(s); we will have extras on hand just in case.
8. Permanent marker pens to mark specimen containers
9. Small white plastic tray for observing specimens (recycled cottage cheese containers work great)
10. Food and water to keep you going throughout the session

We will provide:

1. IAP Survey and Mapping data sheets
2. Maps showing survey area sectors
3. Weighted buoys for marking suspicious plants
4. Some extra survey gear: scopes, rakes, etc.

Optional:

1. Weighted measuring tape, or Secchi disk to determine depths. (We will have some available to be shared.)
2. Hand net for catching fragments. (Rake can also be used for this purpose.)
3. Anchor
4. Polarized sun glasses (not essential, but very helpful)
5. 5-10 power magnifying glass or hand lens for examining plant specimen structure. (We will have some lenses for sale at cost.)
6. Extra clothes, bathing suit, snorkeling gear, sunscreen, camera, etc.