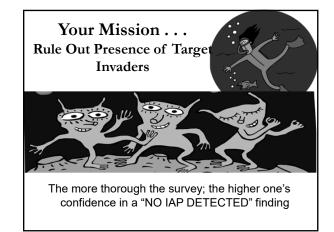
The Hunt for Aquatic Invaders



Invasive Aquatic Plant Screening Survey Procedures





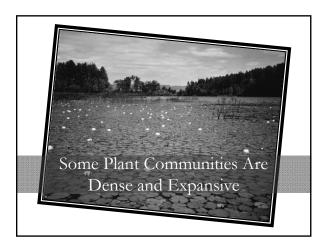
The Challenge

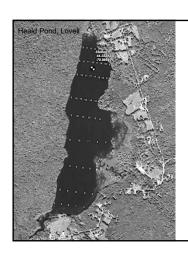
It is virtually impossible to be 100% thorough in ones search



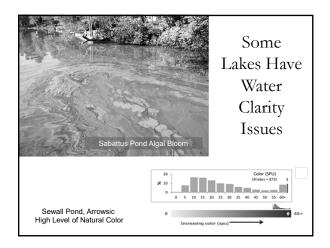


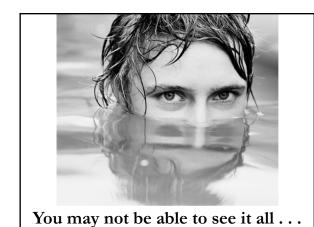
Time and Energy Limitations

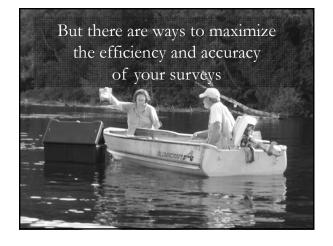




Some Lakes are Almost Entirely Littoral

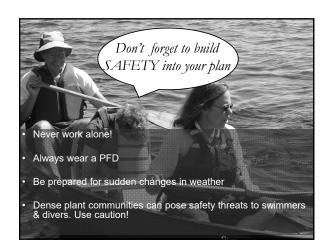






1

Get Organized, Develop a Plan of Action



Reality Check!

Take stock of existing resources . . .

- Time
- Equipment
- Help
- · Familiarity with procedures, native & invasive plants

Take stock of the challenge before you . . .

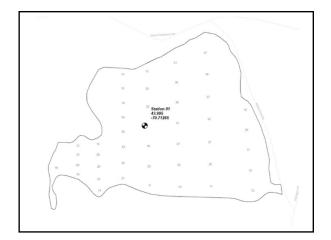
- How large is the body of water to be surveyed?
- How much of the waterbody is littoral ?
- · (depth maps help!)

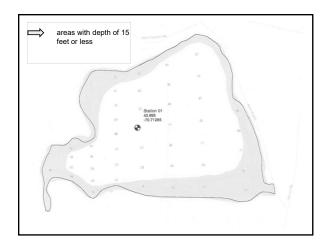


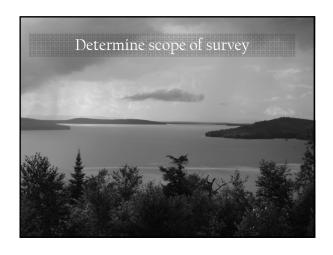
Determine likely outside depth of littoral zone

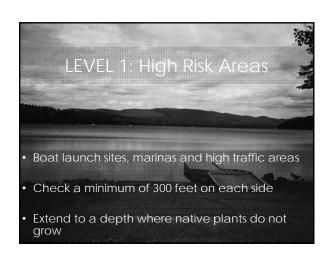
- Area where light penetrates to the bottom, supporting rooted aquatic plants
- Water clarity is determining factor
- · Depth maps are helpful

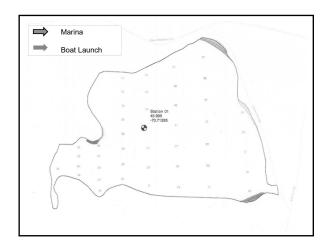


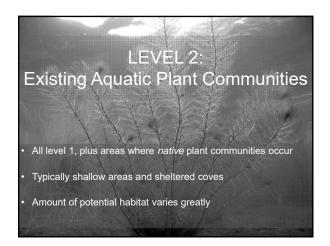


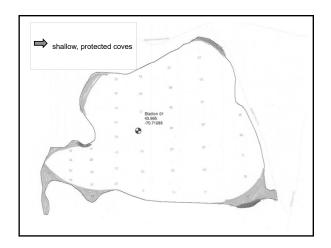


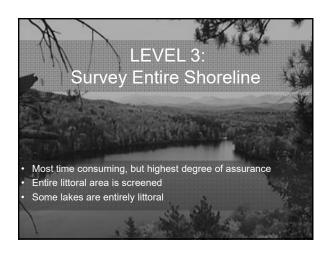


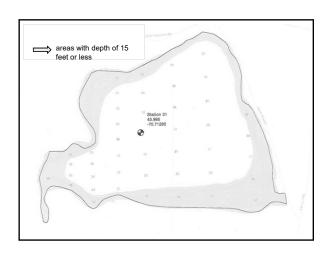






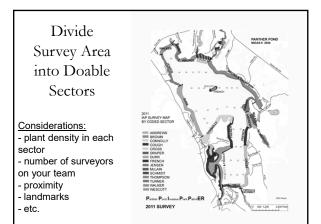






2
Build & Organize Your Team





Role of the Lake Association



- Financially supports, helps recruit and organize the team.
- · Helps outfit team members with equipment
- Funds to support the team are raised by an optional donation check off in the annual lake association dues appeal
- · Appreciation and social events

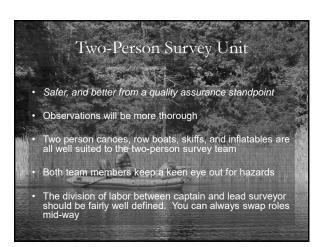
Hold a meeting to discuss the plan, recruit volunteers, determine sector assignments, etc.

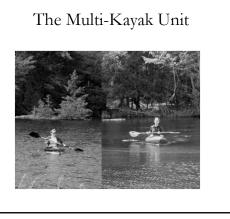


Panther Pond Invasive Plant Patrol (PPIPPers!)



Team trained IPPs with novices or untrained "paddlers"

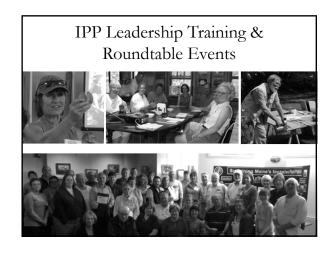


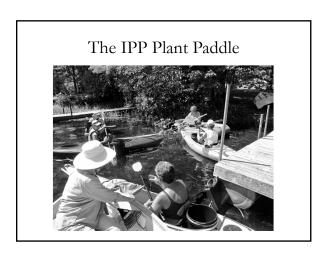


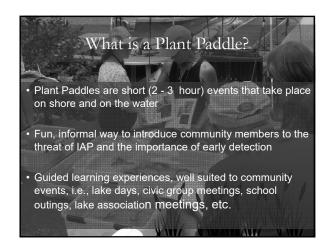


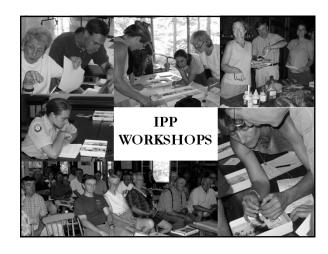


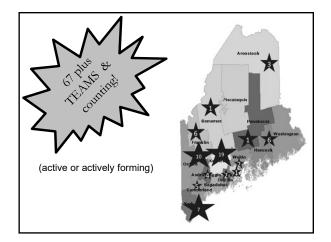








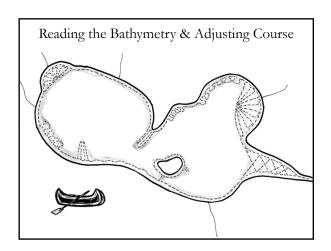


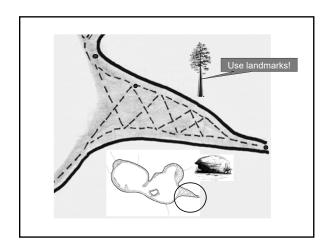


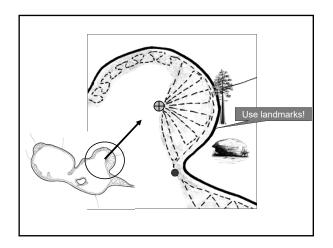
3

Charting Course to Maximize

Direct Observation

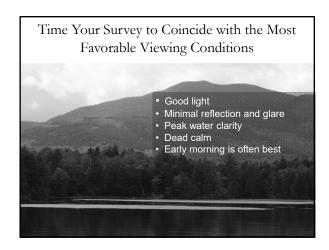


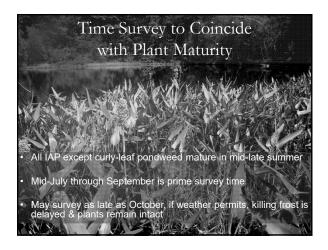




4

Go While the Going is Good

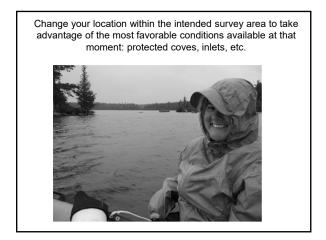






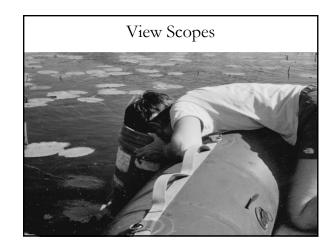






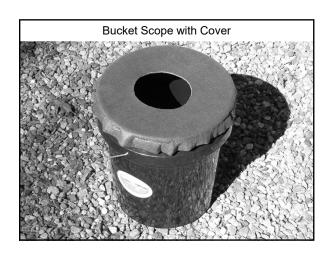
5

Your Toolbox



What Makes a Good Scope?

- · easy and comfortable to use
- · provides the widest possible angle of view
- constructed of opaque materials to shield out as much side and back light as possible
- being relatively cheap and easy to construct is a plus

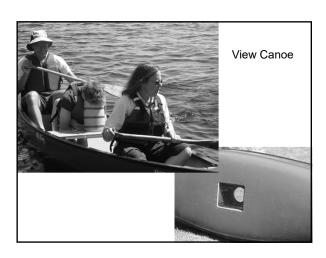


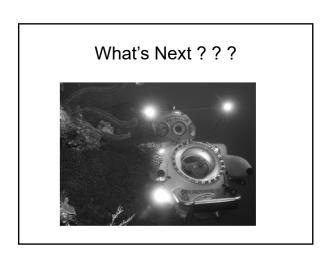






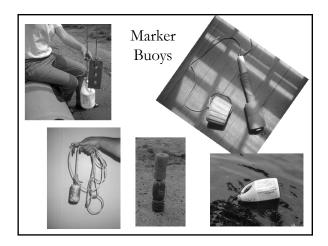




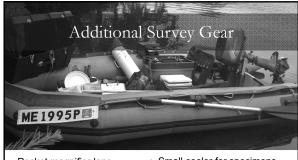




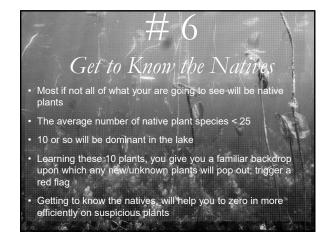




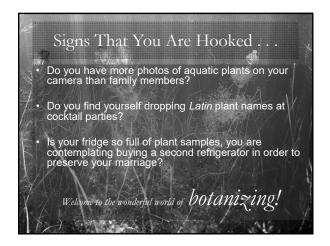




- Pocket magnifier lens
- Aquatic plant ID guide
- Specimen tray
- Maps and markers
- Small cooler for specimens
- Polarized sunglasses
- Camera
- GPS receiver (optional)
- Depth finder (optional)













Preparing & Mailing Specimens Contact us! Plants can be kept fresh for days by storing in a container of water in the fridge When ready to ship, place live specimens in heavy duty Ziploc bags NO paper towels; remove air from the bag. Float delicate samples in water. Mark the bag with your name, and contact information Ship the specimen in a SOLID CARDBOARD BOX, with packing material Enclose completed "Suspicious Plant Form"

Help us

Track Your

Suspicious Investor April 20 th State of the Control of the State of the St

7

Become a Certified
Invasive Plant Patroller!

Certified IPP



WHAT WE ASK OF YOU . . .

- Attend one Introductory IPP Workshop
- Use LSM standardized survey protocols and data sheets
- Make a formal commitment to submitting your screening survey data on a REGULAR basis (Sign up today!)
- To maintain certification you must report survey activity or attend additional training at least once every three years



Certified IPP



WHAT YOU CAN EXPECT FROM US:

- · Lifetime technical support
- Regular program updates including a personalized Spring Packet
- Free attendance to LSM's Annual Lake Monitoring Conference and a warm welcome into the growing LSM community
- Free NEW Field Guide
- A great deal of appreciation!!!



Please document your efforts, regardless of certification & whether or not you find an aquatic invader

Your survey results will become part of a growing statewide database

INVASIVE AQUATIC PLANT SCREENING SURVEY DOCUMENTATION FORM of 1986 Plant support a square discussive form for and deleted survey and westered accepts of a real delities survey (see a significance).						
waterbody. Subm	mit a copy of each completed for	m by Nov. 15, 200	to VLMF 24 May	ple HEE Rd. Aubur	n ME 04210.	
Section 1: General Informati	fon	Sar	rey Map Attach	od? (circle one)	Y N	
Waterbody						
MIDAS#Date's		On-Water 5	On-Water Survey Hrs X # surveyors == Total Hrs			
Sector's Location				lef	letation Surveillance 🗆	
Lead Surveyor			PP Training: Y / N Cert # Plant ID Proficiency Cert: Y / N			
			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						
	Cert # IPP Training: Y / N					
Additional Surveyor #3 Cert # IPP Training: Y / N						
Check all that apply unless oth						
Survey Level				Relative Water Level (check one)		
check one check one	VISUAL METHODS	DS GRAB SAMPLE METHODS		□ Abeve		
C Limited C Purchase C	☐ Random Points	☐ Random P		☐ Normal Hi	Ny.	
☐ Level 1 ☐ By Sector ☐	☐ Plot Points ☐ Transects	☐ Target Poi	es .			
☐ Level 3 ☐ Entire ☐ Transects ☐ Complete Coverage		- Pot Points		Maximum Observed Plant Depth (Circle Deby		
	Invasive Plant's Targeted					
Complete List - all 11 invad					Meters / Feet	
					Water Clarity	
Disventory of dominant native plants by sector						
Inventory of dominant native plants by sector Inventory of dominant native plants by waterbody Complete inventory of native plants including narriendangered s			○ Weed Westel strationals on limit C Resident C Page			
Light Conditions Surfi	nt Conditions					
D for	et (elem like) D Pre-Me	where	D C Diene	ner Tube Scope	☐ Facemank or equivalent	
				□ 6" Diameter Tube Sorpe □ Polarized Lemon □ Bucket Screen or enclosing □ Nikket Eve		
	evelete (se winnesse) Early E	Decay oed Decay	☐ Bucket So	cope or equivalent ope or equivalent	☐ Naked Eye	
- Committee of the comm						
Section 2: Invasive Aquatic Plant Screening Survey Suspected LAP observed: Y N/Content this section only if TEX						
Suspicious Plant Submitted for ID: Y N To: VLMP DEP Other (explain) Date:						
Brudlan Elebu (BE) Curly-Leef Pendword (CP) Exrelan Waternillel (EN) European Freqlet (EF) Exrepan Nobel (EN) Faxwort (F) Part of Fuellar (PF) Value Fluxing Boart (VE) Variable Leef Waternillel (VM) (VM) for by-brid) Water Chetter (WC) By-brid (II)						
IAP CODE Sector / Location			GPS Lat Long Busy Code NOTES		TES	
			-	-		
			-	-		
-		_	-	-		
-		-	\rightarrow	\rightarrow		
Forms available on-line at www.mainevimp.org/						

Include Maps!





Certification forms are at the registration table.

