



2019 Courtesy Boat Inspector Coordinator Training

Why are invasive aquatic plants (IAS) a threat to lakes, ponds, rivers and streams?

- IAS have multiple reproductive strategies & no natural enemies; grow vigorously; out-compete natives.
- Blanket lake surface, impeding recreational uses; lower property values; change ecology
- Can rarely be eradicated; are expensive to manage (an “*everafter*” cost); threaten all other fresh waters.

Maine Milfoil Law

- It is illegal to transport any aquatic plant on boat, trailer, equipment in ME: fine = up to \$2,500
- All motorized water craft using inland waters must affix a current years sticker (ME's is attached to the boat registration sticker): fine = up to \$500
- Persons may not introduce the 11 banned plants into Maine waters: fine = up to \$5,000
- Persons may not introduce, propagate or sell the 11 banned plants: fine up to \$2,500
- Funding Mechanism: Sticker revenue goes into dedicated state fund
- Sticker funds used to battle invasive aquatic plants 80% to DEP, 20% to IF&W

What makes a good inspection?

- Be courteous – These inspections are voluntary; make sure the inspector doesn't alienate boaters by being too pushy.
- Be informative but not overwhelming. Make sure the inspector can identify the difference between boaters who are in a hurry and those who want more information and want to chat. Always do a thorough inspection but make sure the boater doesn't feel like it is taking too long.
- Do a thorough inspection:
<http://www.maine.gov/dep/water/invasives/inspectkw.html>
http://mainelakes.org/?page_id=192
- Inspectors will need to crouch down in order to see the entire underside of the boat - just the prop is not enough!
- Stickerless motorized boats: tell boater about penalty and where to get stickers locally.
- Boater refuses inspection: pleasantly step aside; offer a brochure.
- Remain standing after inspection is complete and wait for the boat to be launched or until the boater has driven away. This will show that the inspector isn't rushing the inspection and will encourage more conversation.

New Challenges

Invasive Mollusks

Quagga Mussel
Zebra Mussel
Asian Clam

Invasive Invertebrates

Spiny Water Flea
Fish Hook Flea

Fish Virus

VHS – Viral hemorrhagic septicemia



Zebra and Quagga Mussel Sightings Distribution *Dreissena polymorpha* and *D. rostriformis bugensis*



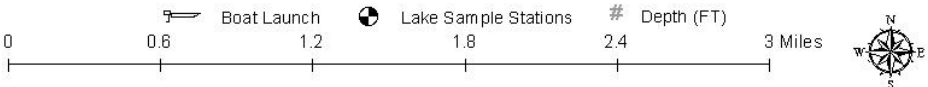
- Zebra mussel occurrences
- Quagga mussel occurrences
- Both species occurrences
- Zebra mussels eradicated
- ★ Mussels trailed overland on boat hulls



Pennesseewassee Lake

MIDAS # 3434

Norway, Oxford Co. - Delorme Page 10 - 870 acres



Spiny Water Flea

- Not a flea – Tiny crustacean
- Feeds on zooplankton
- Impedes feeding for small fish
- Builds up on fishing lines and gear
- Reproduces asexually

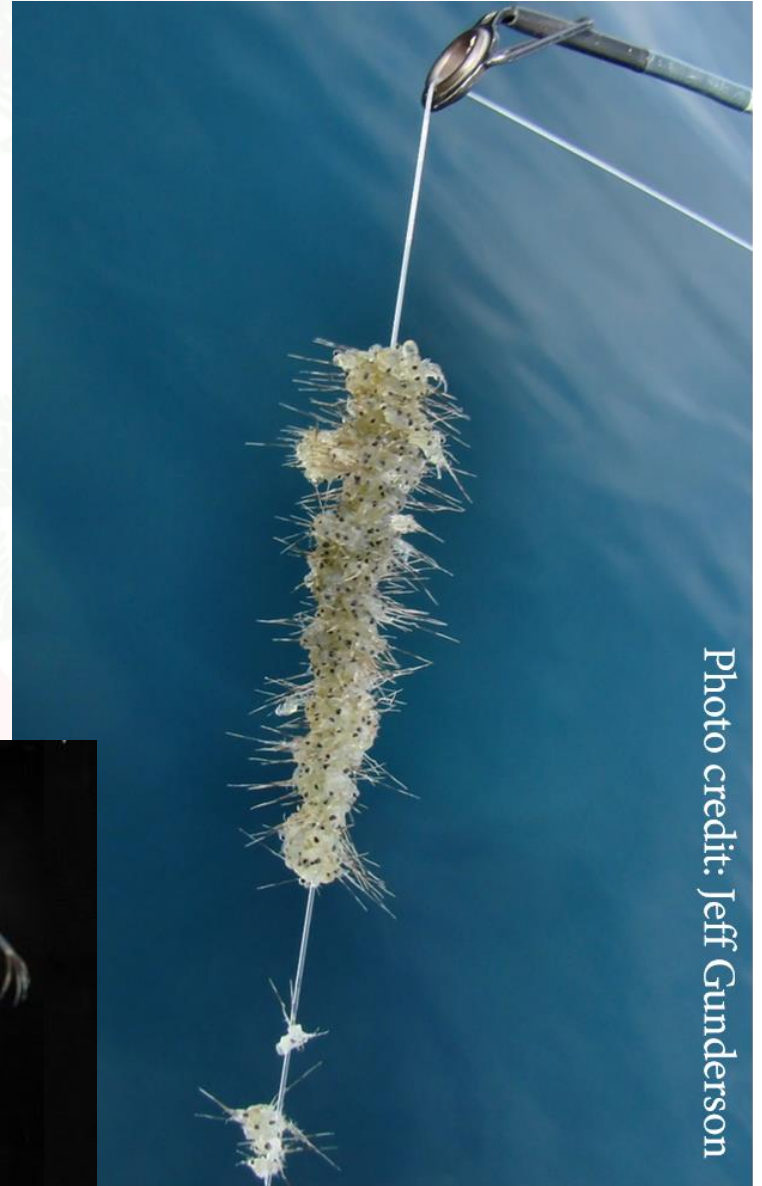
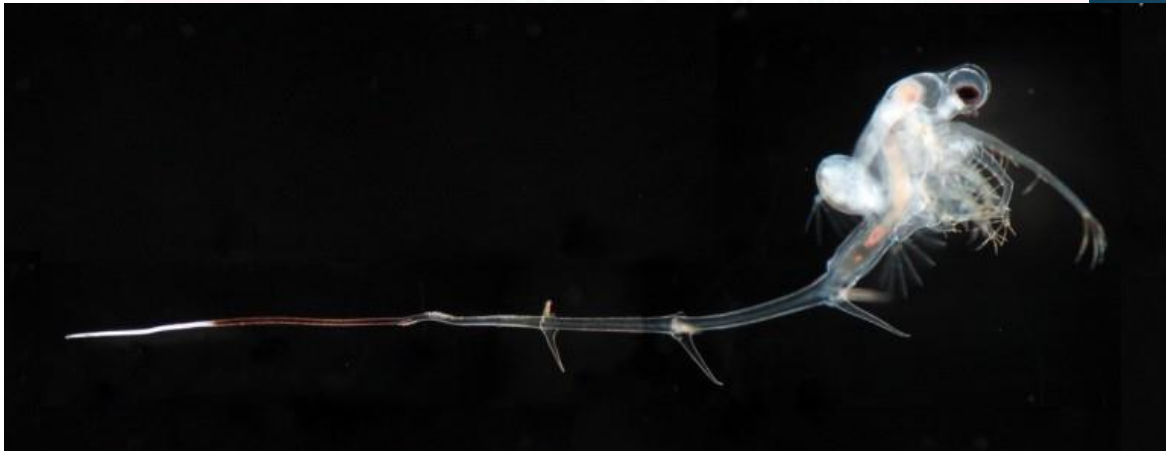


Photo credit: Jeff Gunderson

Viral Hemorrhagic Septicemia (VHS)



Photo courtesy: Garth Traxler, USGS

- Ebola-like virus
- Not a threat to humans
- Causes hemorrhaging in blood vessels
 - Dark spots on body
 - Protruding eyes
 - Bleeding from gills and eyes

Found in the Great Lakes
and St. Lawrence River

Clean

Look for and remove hitchhiking plants, mud, animals and remove

Drain

All areas where standing water may be: bilge, propeller, live well. Some small organisms can't always be seen so...

Dry

Air drying works but wipe down areas such as live wells and anchor wells

Clean Drain Dry



Protect Maine Waters



Additional Measures:



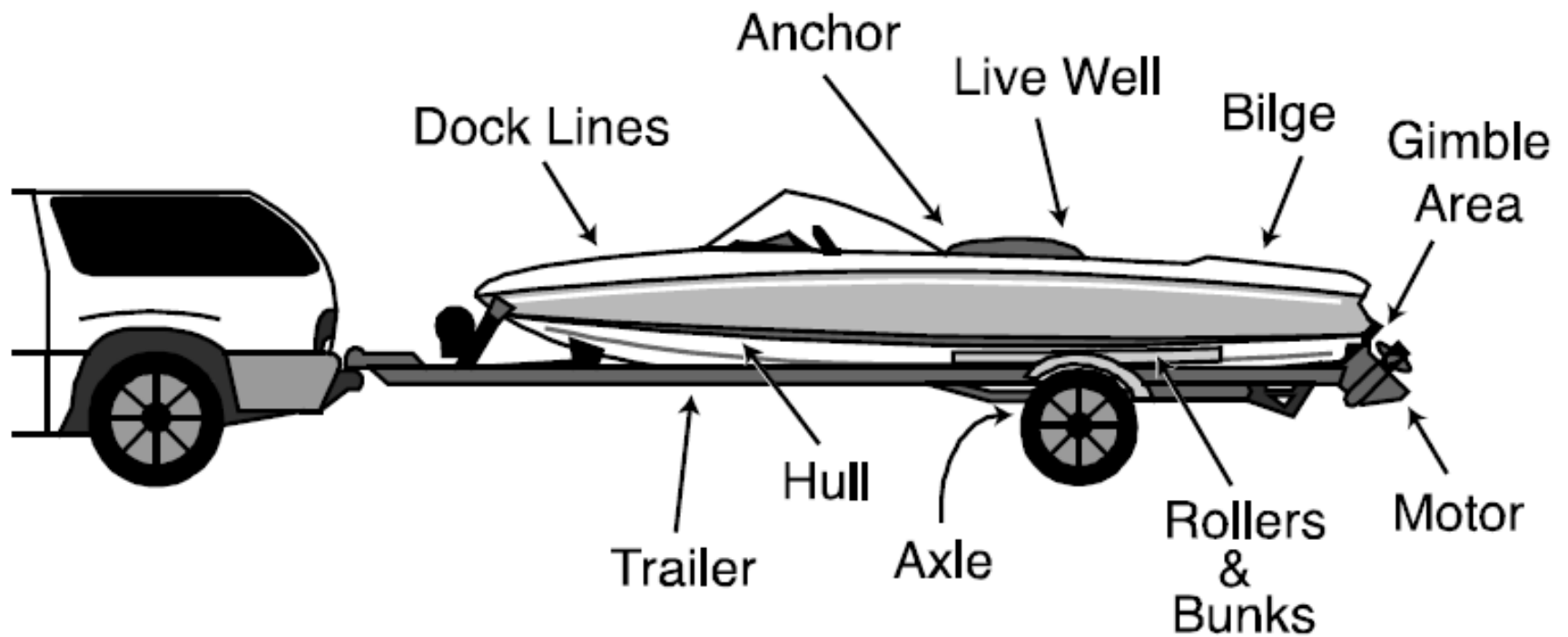
Clean, Drain, Dry - Entering

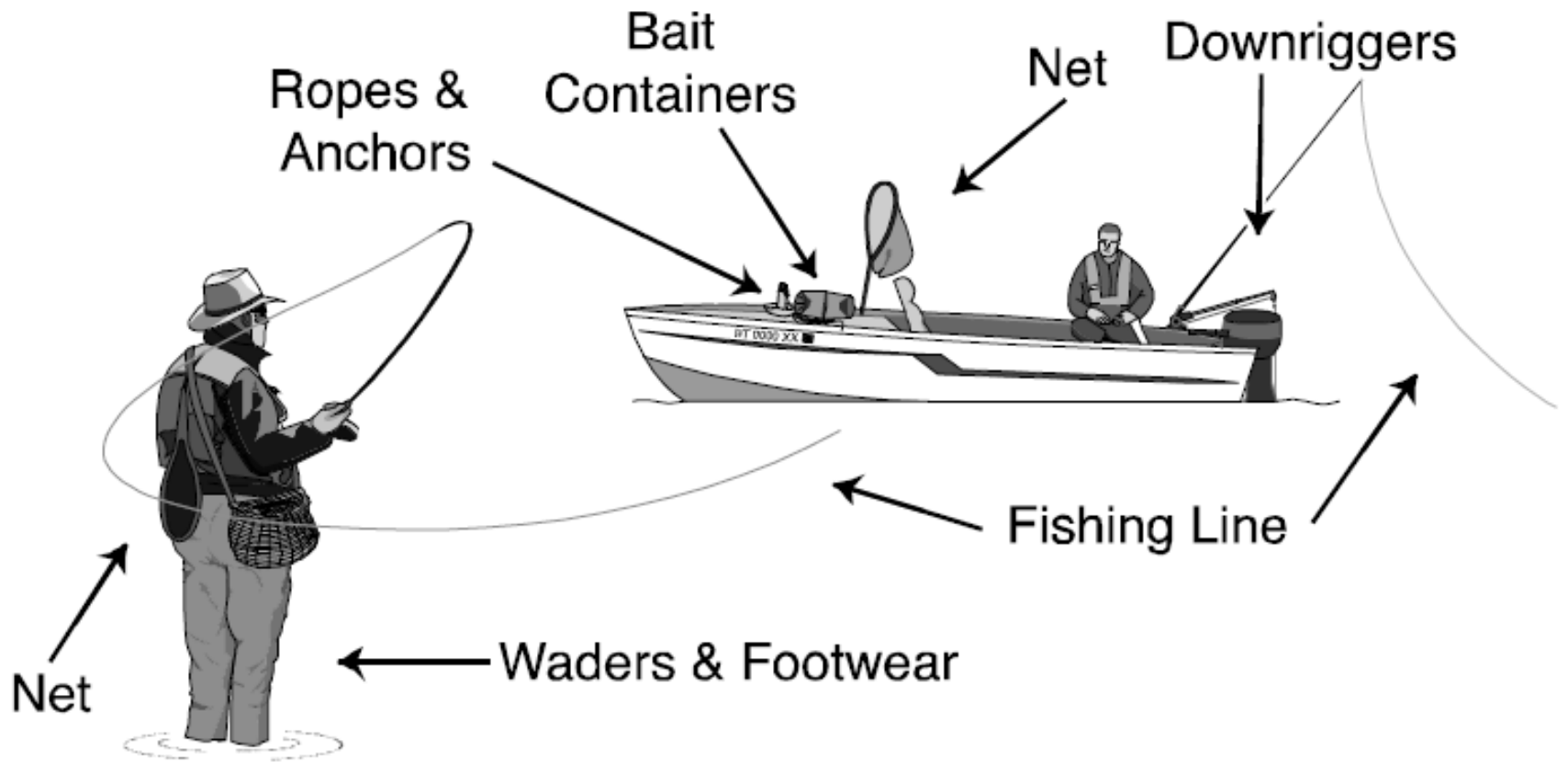
- If a boater is coming from an out-of-state lake they should be asked if they drained their boat and allowed it to dry for at least 5 days
- If there is standing water in an entering boat the inspector should ask them to drive away from the launch and drain their boat
- If there is visible mud and/or organisms on their boat the inspector should ask them to go to a car wash and/or pressure wash their boat

Clean, Drain, Dry - Leaving

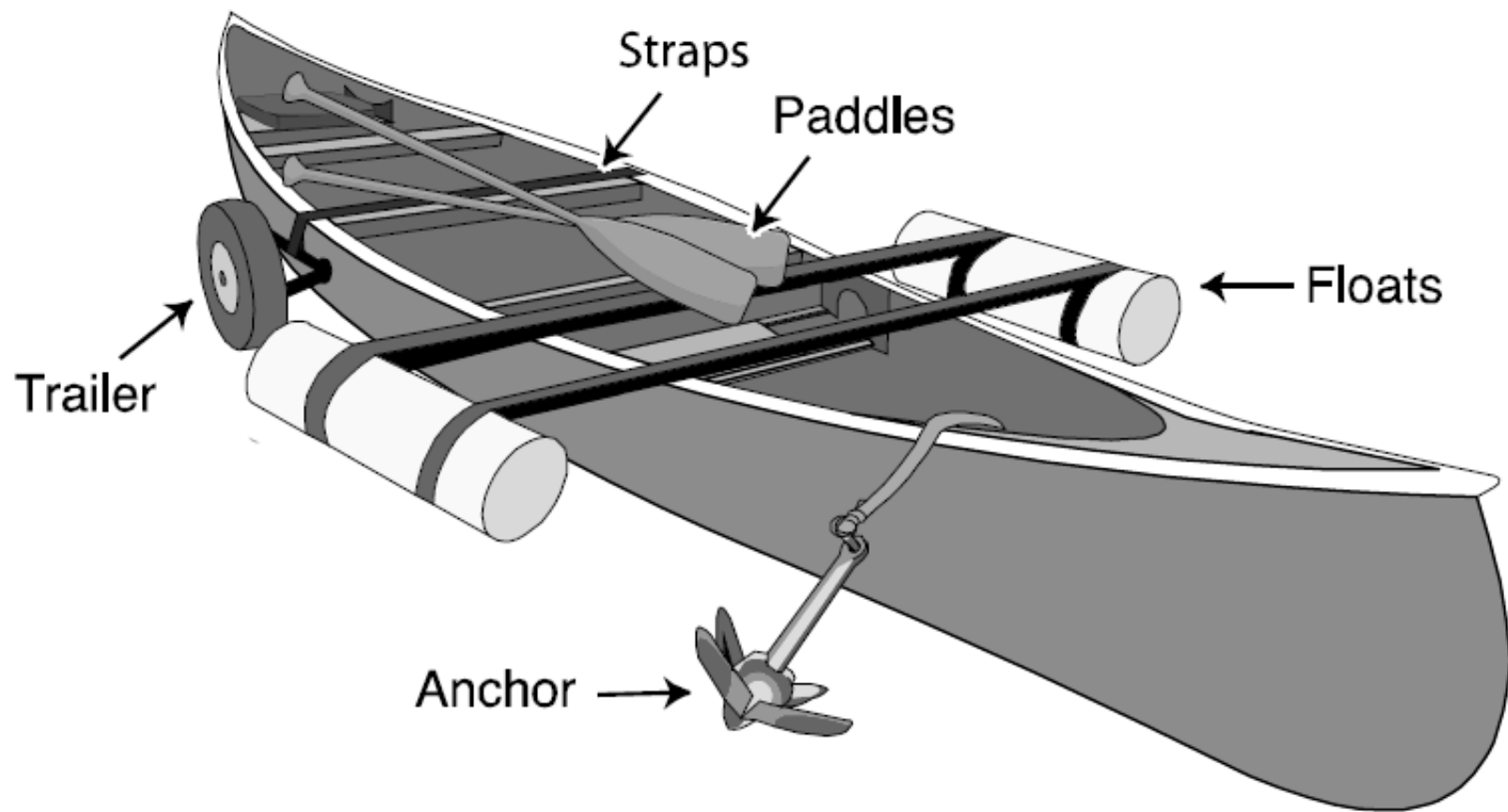
- After a thorough inspection for plants the CBI should ask the boater to drive away from the launch and drain all water from bilge, live well, motor, etc.
- Boaters should be encouraged to inspect and drain their boat when leaving any waterbody
- Greatest threat is boats that bounce from lake to lake, leaving little drying time

Always remind the boater to put their plugs back in before launching!!!





Graphic: Aquatic Nuisance Species Task Force



CLEAN. DRAIN. DRY.

Video from the Government of Alberta and Montana Fish, Wildlife and Parks.



of trailers present upon shift arrival _____

2019 Maine Courtesy Boat Inspection Form

Pg. ___ of ___

Check here if you encouraged self-inspection _____

Lake Name _____ Ramp Name _____ Town _____ V/P _____

Date _____ Shift Time: From _____ To _____ Inspector Name _____ Host Agency _____

Use Military Time

*Is the Plant Suspicious?

	If Motorized State Abbr. *Entire BOW #: alphanumeric boat registration #		Current Year's Sticker Present? Circle Y/N/NM (non-motorized)	<u>Previous Waterbody Visited</u> For all inspections			Time of Inspection? Trailer, Boat, Motor		Any Plants Found? (Circle Y/N)	Was the Plant Identified as Invasive?	Who Identified? **see bottom of page
				Lake Name	Town	State	Military TIME				
1			Yes No NM				Entering		Yes No	Yes No	
							Leaving		Yes No	Yes No	
2			Yes No NM				Entering		Yes No	Yes No	
							Leaving		Yes No	Yes No	
3			Yes No NM				Entering		Yes No	Yes No	
							Leaving		Yes No	Yes No	
4			Yes No NM				Entering		Yes No	Yes No	
							Leaving		Yes No	Yes No	
5			Yes No NM				Entering		Yes No	Yes No	
							Leaving		Yes No	Yes No	
6			Yes No NM				Entering		Yes No	Yes No	
							Leaving		Yes No	Yes No	
7			Yes No NM				Entering		Yes No	Yes No	
							Leaving		Yes No	Yes No	
8			Yes No NM				Entering		Yes No	Yes No	
							Leaving		Yes No	Yes No	
9			Yes No NM				Entering		Yes No	Yes No	
							Leaving		Yes No	Yes No	
10			Yes No NM				Entering		Yes No	Yes No	
							Leaving		Yes No	Yes No	

Comments:

CBI Handbook pages 4-7

DO NOT CHANGE THIS FORM!

V/P: V=Volunteer inspector; P=Paid inspector *IMPORTANT— Record the entire boat's bow registration number.

3/2019

**Invasive plant identification must be done by Lake Stewards of Maine (LSM), formerly VLMP, so send all suspicious plants to LSM for identification.

Suspicious plant

- Inspector should bag a plant if they are not 100% sure it's native and give it to their supervisor (CBI Handbook contains pictures & descriptions of Maine's 11 listed invasive plants).
- If the supervisor is also not sure about plant ID, sample should be sent to Lake Stewards of Maine, according to directions in CBI handbook.



	If Motorized		Current Year's Sticker Present?	Lake Name
	State Abbr.	*Entire BOW #: alphanumeric boat registration #	Circle Y/N/NM (non-motorized)	
1	ME	437672	Yes No NM	Sabb
2	ME	431774	Yes No NM	Sabb
3	ME	438035	Yes No NM	Sabb Lake
4	ME	415032	Yes No NM	Tace
5	ME	415002	Yes No NM	Sabb
6	ME	34729	Yes No NM	Little S
7	ME	6979L	Yes No NM	Ran
8	ME	536328	Yes No NM	Ran
9			Yes No NM	

Milfoil sticker numbers cannot be used to track boats

Bass Tournaments

- Check the Maine Inland Fisheries and Wildlife (IF&W) website to see if there are any tournaments on your lake:

<http://www.maine.gov/ifw/fishing-boating/fishing/bass-tournaments.html>

Note: The dates and locations of tournaments may change throughout the summer so be sure to check periodically for any updates.

- Bass clubs are required by the state to conduct inspections on participating bass boats at every tournament and submit inspection forms to IF&W.
- If lake associations want to assist with tournament inspections, recommend contacting Bass Club prior to tournament to discuss logistics.

2018 MAINE COURTESY BOAT INSPECTION FORM

AGENCY:	46	LEA-Lakes Environmental Association
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WATER:	0	0
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TOWN: 0

RAMP:	0	LEA
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Did you encourage self inspections?

INSP DATE:		SHIFT:		
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INSP:	NEW	Var P:	
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NUMBER	COMMENTS:
TRAILERS AT	
RAMP:	

[illegible]

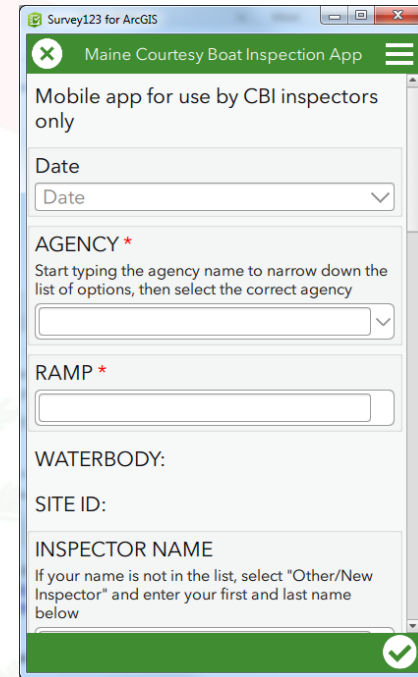
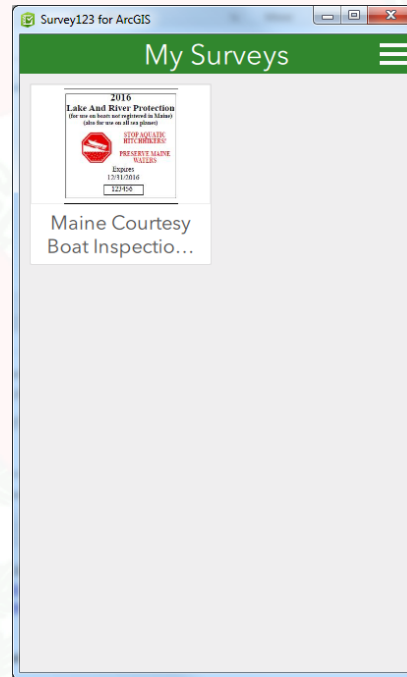
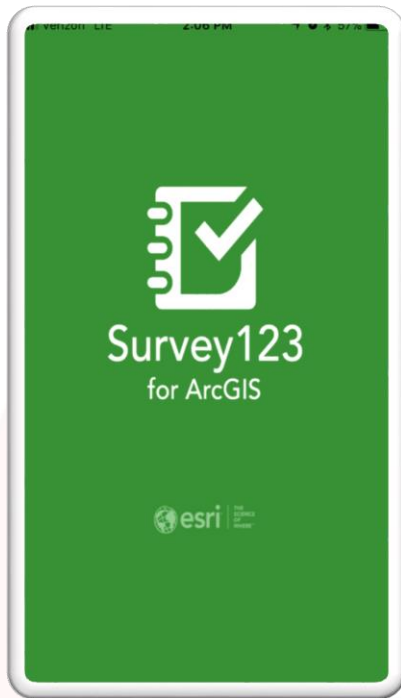


CBI Mobile APP

for Survey123

Becky Schaffner, Maine DEP

Becky.Schaffner@maine.gov



Survey123 is a mobile application for your phone or tablet that can be used to fill in forms and surveys while on site. The data is immediately uploaded to a central database, where it can be analyzed and explored.

Benefits of mobile app:

1. Replaces or complements paper survey with digital data collection
2. Saves time and money on data entry
3. Can be used on-site even without cellular/wi-fi connection
4. Drafts can be saved and continued at a later time
5. Data is submitted to an online database immediately after upload
 - Coordinator access to data summary through Dashboard
 - Potential Coordinator data access and editing capabilities

2018 Maine Courtesy Boat Inspection Dashboard

Agency/Organization

Select one to filter boat ramp sites
Go to Boat ramp/Site tab to choose ramp

30-Mile River Watershed Assc.

7 Lakes Alliance

Alford Lake-Lermond Pond Assoc.

ASYCC - Acton-Shapleigh YCC

BLIMP (Balch Lake Improvement Committee)

CALL (Citizens' Ass'. Of Liberty Lakes)

Cathance Lake Association (CLA)

Clearwater Lake Improvement Association

Craig Pond Association

CRLA (China Region Lakes Alliance)

Echo Lake Association (ELA)

Ellsworth City of

FOCW (Friends of the Cobbossee Watershed)

FOLW (Friends of Lake Winnecook)

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Agency

Boat Ramp/Site

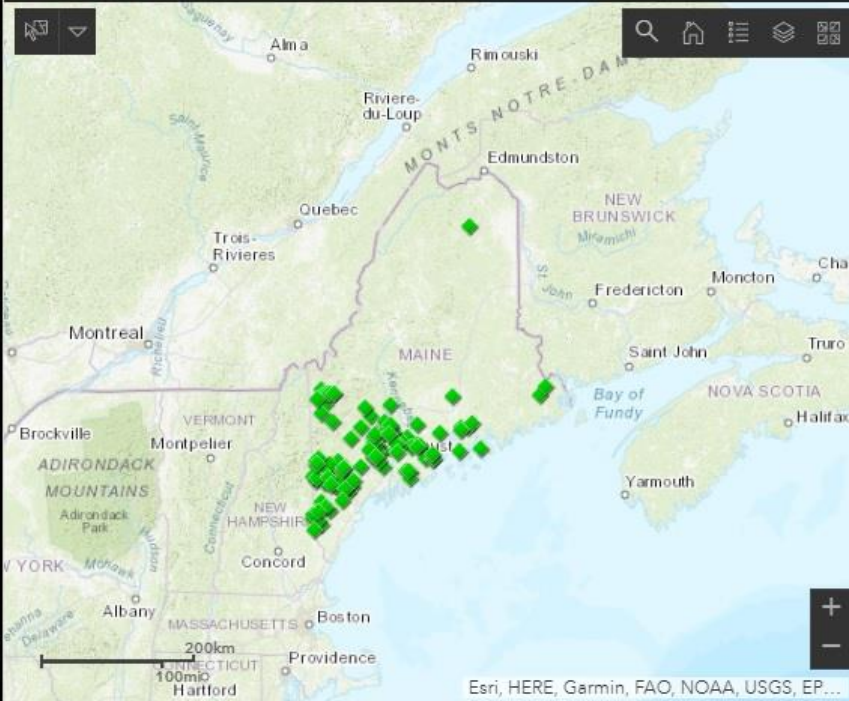
Inspections

82,414

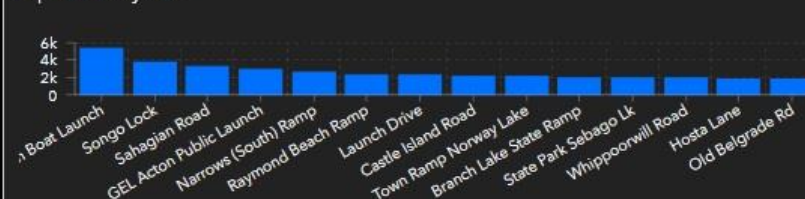
3,328 total plants

96 (unverified) invasive plants

Inspections Map

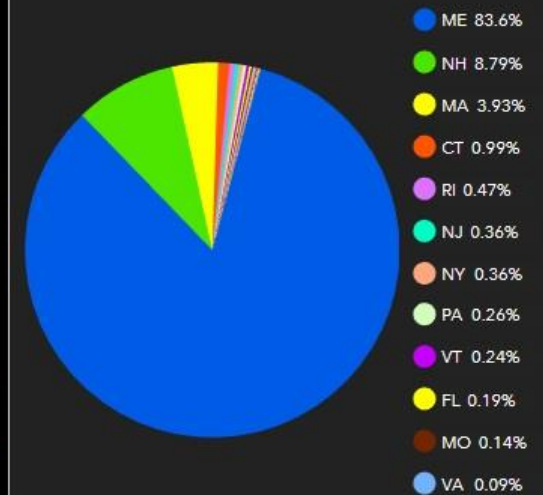


Inspections by Site

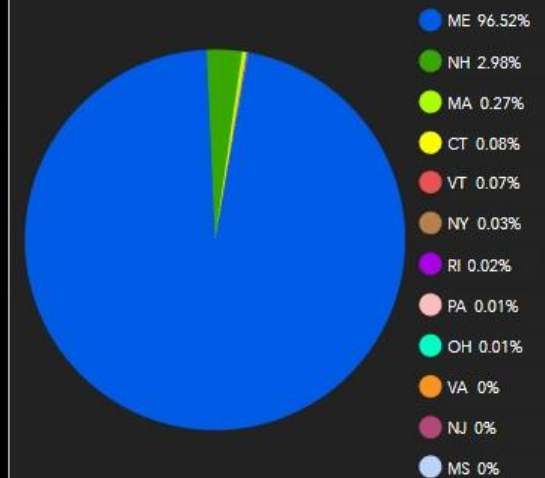


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Registration State



Last State Launched



2018 Maine Courtesy Boat Inspection Dashboard

Boat Ramps

Crystal Lake - Rt 117 Crystal Lake, Harrison
Hancock Pond - Denmark Ramp Hancock Pd, Denmark
Highland Lake - Town Beach Highland Lk, Bridgton
Long Lake - Salmon Point Long Lake, Bridgton
Long Lake - Rt 117 Long Lake, Harrison
Moose Pond - Rt 302 Moose Pd, Bridgton
Moose Pond - Denmark Ramp Moose Pd, Denmark
Sebago Lake - State Park Sebago Lk, Casco
Tricky Pond - Rt 114 Trickey Boat Ramp, Naples
Sebago Lake - Sebago Cove Ramp, Naples
SONGO RIVER - Songo Lock, Naples
Keoka Lake - Town Beach Keoka Lk, Waterford
Woods Pond - Rt 117 Woods Pond, Bridgton
Peabody Pond - Peabody Pond Road, Sebago

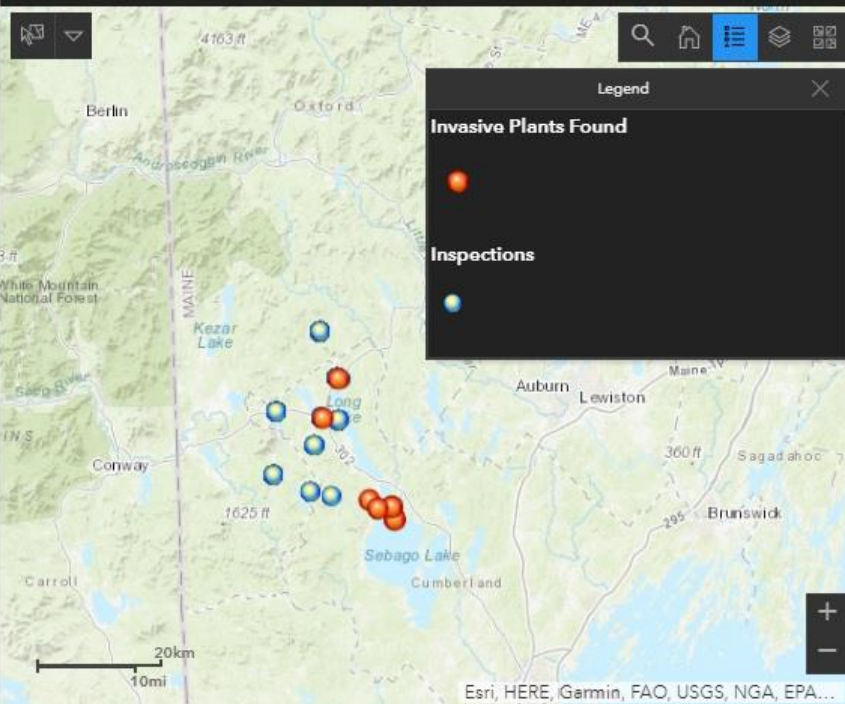
Inspections

11,460

472 total plants

11 (unverified) invasive plants

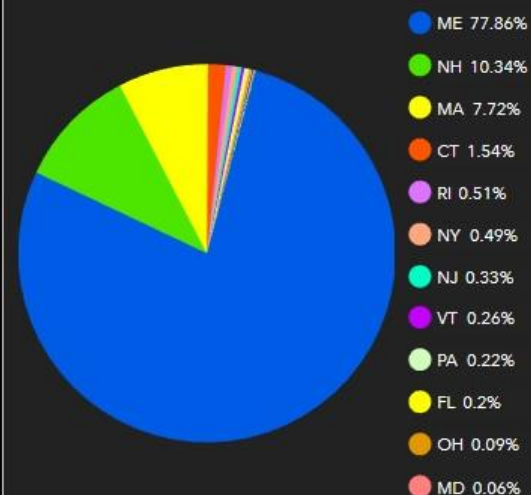
Inspections Map



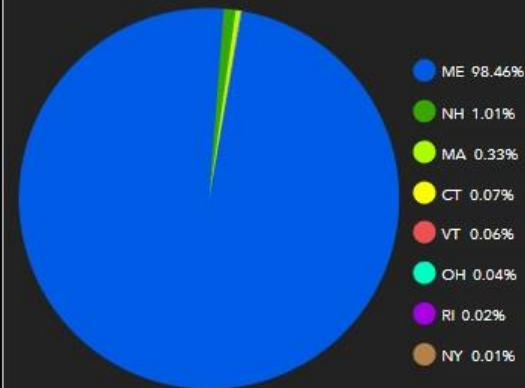
Inspections by Site



Registration State



Last State Launched



Agency

Boat Ramp/Site

Last update: 13 minutes ago