Herring Count Program Volunteer with Mashpee!



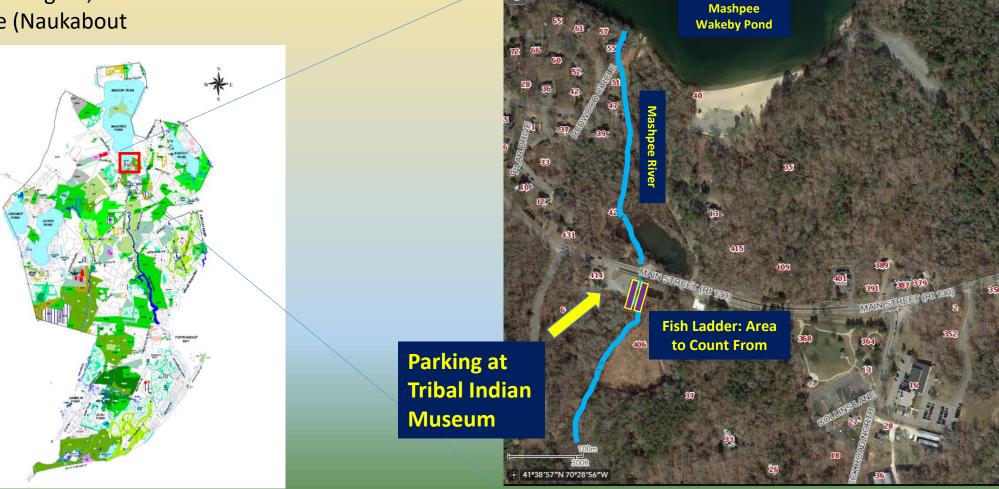
Town of Mashpee's Conservation Department, Spring 2020

Fish Ladders in Mashpee

Mashpee
Quashnet
Santuit

Mashpee River Fish Ladder: Location and Parking

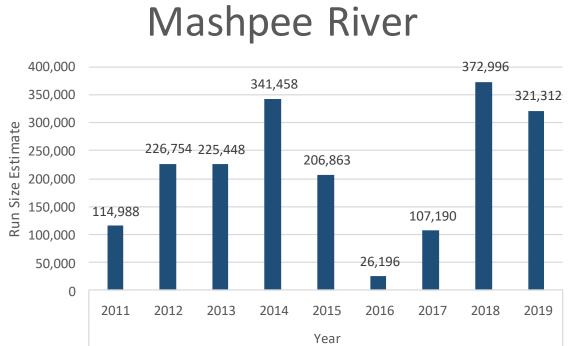
Located off Route 130 (414 Main Street). Park in Mashpee Indian Tribal Museum parking lot, across from Lake Avenue (Naukabout Brewery).



Fun Facts! Mashpee Fish Ladder

- Replaced in 1998
- Most popular site to count
- Tribal Museum location
- One of largest runs on Cape Cod





Mashpee River Fish Ladder Kit Location



Kit location, located at corner of parking lot far from the road, and adjacent to the fish ladder (to the right of the informational kiosk); behind guard rail in green box Count herring swimming upstream as they pass the top board. Use the clicker to help keep count.

Mashpee River Fish Ladder: Area to Count Herring Swimming Upstream



Area to Count From: The Mashpee Herring Run is different than the other two locations in that you do not count right at the river outlet; you count at a downstream location depicted to the left. The image below is the actual outlet of Mashpee River/Mashpee Pond.

> MASHPEE/WAKEBY POND

Parking Lot

Fish Ladder

MASHPEE RIVER

Johns Pond/Quashnet River Fish Ladder: Location and Parking

Located off Back Road. Take Route 151 towards Falmouth, take a right on Ashumet Road, then a right on Hooppole Road. Follow Hooppole Road to stop sign; take sharp right towards "Town Beach". Parking lot is at end of road. Walk to left to reach ladder.

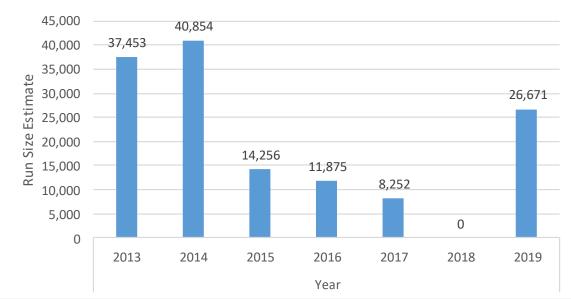




Fun Facts! Quashnet River Fish Ladder

- Current design in place since 2003
- River used to power Mills and Cranberry Bog Operations
- Artificially connected to Johns Pond
- Natural headwaters=cedar swamp to east (now abandoned bogs)
- Largest source of freshwater for Waquoit bay
- Upper Quashnet Restoration forthcoming
 - Lower Quashnet restoration work occurring since 1970s (Trout Unlimited)

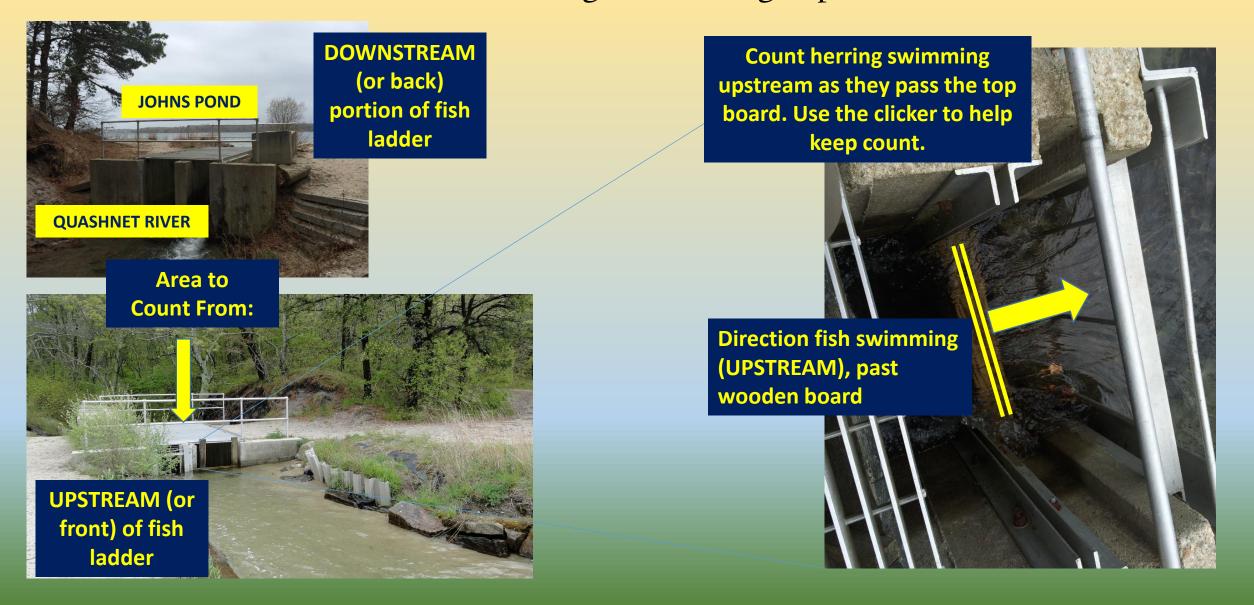
Quashnet River



Johns Pond/Quashnet River Fish Ladder Located at the end of Back Road. Parking at Town lot. Walk left onto beach to reach ladder.

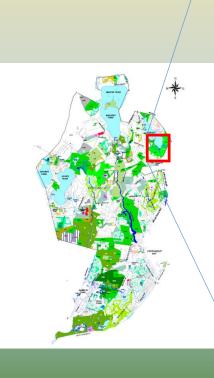


Johns Pond/Quashnet River Fish Ladder: Area to Count Herring Swimming Upstream Into Pond



Santuit River Fish Ladder: Location and Parking

Located within Santuit Pond Preserve. Two locations to park and hike in; see below.



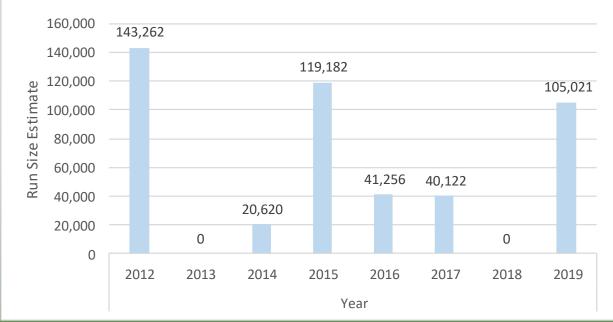


Fun Facts! Santuit Pond Fish Ladder

- Current design in place since 2013
- A much cleaner pond! (Solarbees)
- Multiple ongoing projects



Santuit River

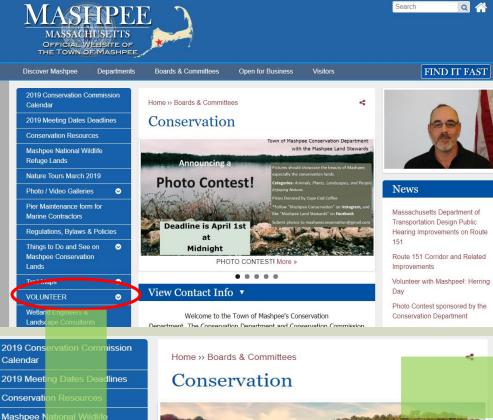


Santuit River Fish Ladder: Kit Location



Santuit River Fish Ladder: Area to Count Herring Swimming Upstream into Pond







Mashpee River Woodlands Video More »

View Contact Info 🔻

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Things to

Lands

Mashpee Co

Trail Maps

Program

VOLUNTEER

Friends of the Mashpee

National Wildlife Defug

Herring Count Program

Wetland Engineers &

Landscape Consultants

Mashpee Land Stewards

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Welcome to the Town of Mashpee's Conservation Department. The Conservation Department and Conservation Commission are responsible for permitting and enforcement of the Massachusetts Wetlands Protection Act, the more protective Town of Mashpee Wetland Bylaw, Chapter 172, and the Town of Mashpee Conservation Land Bylaw, Chapter 173. Under the Conservation Commission Act they are charged with the protection of a community's natural resources. They are involved with open space acquisition and the management of conservation lands,

Mashpee National Wildlife Refuge Lands						
Photo / Video Galleries						
Regulations, Bylaws & Polic	ies					
Things to Do and See on Machines Consonvation	⊘					
Lands						
Trail Maps	⊘					
VOLUNTEER	۵					
Friends of the Mashpee						
National Wildlife Refuge						
Herring Count Program	0					
Herring Count Data Sheet						
Herring Count Instructions (On-					
line Data Submission-APCC)					
Herring Count Program Onli Sian Up	ne					
Overview						
Herring Run and Count Kit						
Locations						
	Refuge Lands Nature Tours March 2019 Photo / Video Galleries Pier Maintenance form for Marine Contractors Regulations, Bylaws & Polic Things to Do and See on Mashpee Conservation Lands Trail Maps VOLUNTEER Friends of the Mashpee National Wildlife Refuge Herring Count Program Herring Count Instructions (March 2019) Herring Count Program Onling Sign Up Herring Count Program Sign Up Herring Run and Count Kit					

	Announcing a to Contest	Pictures should showcase the beauty of Mashpee especially the conservation lands. Categories: Animals, Plants, Landscapes, and Per
X		Enjoying Nature. Prizes Donated by Cape Cod Coffee *Follow "Mashpee Conservation" on Instagram, a
Dead	dline is April 1st	like "Mashpee Land Stewards" on Facebook Submit photos to mashpeeconservation@gmail.c
	at Midnight	

View Contact Info **•**

Welcome to the Town of Mashpee's Conservation Department. The Conservation Department and Conservation Commission are responsible for permitting and enforcement of the Massachusetts Wetlands Protection Act, the more protective Town of Mashpee Wetland Bylaw, Chapter 172, and the Town of Mashpee Conservation Land Bylaw, Chapter 173. Under the Conservation Commission Act they are charged with the protection of a community's natural resources. They are involved with open space acquisition and the management of conservation lands, including advocacy, maintenance and improvement projects.

Please see the tabs located to the left to explore the regulatory process, and the multiple ways <u>YOU</u> can help us in our efforts to preserve our beautiful portion of Cape Cod! A few options to consider are:

The second second

COUNT FORMS AND INSTRUCTIONS

										Instructions f	or Counting Herring	g and Reporting Data
Your name: Address: Name of herring run:		Phone number: Email: Town:						Email:		the collection of valuable informat information is used by fisheries m	tion about the river he anagers for protection	efforts! Your monitoring work result erring populations on Cape Cod. This a and management of river herring.
The first i	row has been fille	d out as an o	example.]	lf no herrir	ng are counted, er	nter "0". For star	t and end tin	nes, use 24-hour (military) time.		pen or pencil, blank count form, ti	mepiece, and polarize	ter on a cord, air thermometer (keep o ed sunglasses. ag method used in previous years. Th
		Start	End	Fish	Water Temperature	Air Temperature	Weather code (see		4	method was developed by Gary N Start date for counting groups:	elson of the Massach We'll start on Ap migrating, which	usetts Division of Marine Fisheries: pril 1 or when many herring are see never occurs first .
Date 4/1/18	Name Name	Time 14:00	Time 14:10	Count 2	(Celsius)	(Celsius)	Page 2) 2	(< 100 characters) Many herring and eels downstream		End date for counting groups: Time of day to do counts: Length of time for count: Number of counts needed: Comments:	whichever occurs Between 7 am an 10 minutes 9 counts per day	
										<u>Count forms and these instruction</u> download at APCC's Herring Rt	in the afternoon ons: Count forms in Monitoring we	2019 Rive
									h, h	Recording data: For each 10-mit Your name The name of the run you'n Date Start time for 10-minute co End time for 10-minute co Number of hermig counter Water temperature (degrees Air temperature (degrees Weather code (see the Cou	e monitoring ount (use 24-hour unt (use 24-hour " 1 in a 10-minute p s Celsius) 'celsius) int Form for possi	 To see a summary herring count statis To download a cop "Herring Count V Copies" To enter your count "Enter Herring C click OK. The we monitored. Click for your runs. Ell one box to the nexs
										Comments – anything else Reporting data: To report your (Enter your cound data to A the directions below. Entering cound data on you can enter your cou APCC's website at: <u>w</u> improvements to make Under "Science" select three options:	lata to APCC, you PCC's online web <u>line</u> : Once you ha nt data into our or <u>ww.apcc.org</u> . We it easier to enter o	times, use 24-hour 12-hour time 24-hour time (use this) 7 am 0700 9 am 0800 9 am 0800 9 am 0800 10 am 1000 11 am 11:00 12 noon 12:00 12:30 pm 12:30
										Association to Preserve Cape Cod Massachusetts Bays National Estuary Pro	ogram, Cape Cod regi	1 pm 13:00 2 pm 14:00 3 pm 15:00 4 pm 16:00 5 pm 17:00 6 pm 18:00 7 pm 19:00
Veather o	code: 1 = 0% clos	uds (sunny):	2 = 1 to 2	.5% clouds	s, 3 = 26-50% clo ther.			76-100% clouds (overcast), 6 = drizzle/light DRE DATA, TURN OVER				When you've finished entering yo automatically saved to an Excel sy you can choose to enter more cou exit the APCC website.

2

2019 River Herring Count Program, Cape Cod

When you've finished entering your data, hit the "Submit" button. Your count will be values you version and the second sec

ALSO, at the end of the counting season, mail the Count Forms that you had filled out to Jo Ann Muramoto at APCC, 482 Main Street, Dennis, MA 02638, by the end of May. For more info, contact: Katelyn Cadoret, Asst. Conservation Agent, Town of Mashpee, shpeema.gov, (508) 539-1400 ext 8538

For additional questions, contact: Jo Ann Muramoto, Association to Preserve Cape Cod, 482 Main Street, Dennis, MA 02638, Phone: 508-619-3185, Email: jmuramoto@apcc.org

 To see a summary of herring run sizes, number of herring counted, and other herring count statistics, click on "Herring Run Summary 2007-2017". To download a copy of the Herring Count Data Form that you can print, click on "Herring Count Volunteers", then click on "Download Count Form Hard

 To enter your count data online, under "Herring Count Volunteers", click on "Enter Herring Count Data". Enter the password which is "alewife2018", then click OK. The webpage will open with a list of herring runs that are being monitored. Click on your run. You should then see an electronic Count Form

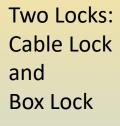
for your run. Fill this out, using your computer's cursor or Tab to move from one box to the next (i.e., don't hit "RETURN"). To enter your start and end times, use 24-hour time (aka military time) - see below.

Hand Clickers (to keep count)

COUNT KITS

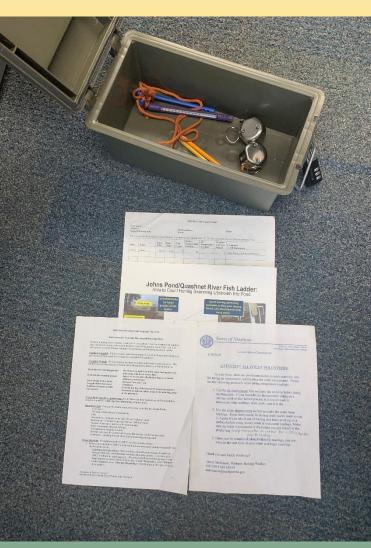
Air and Water Thermometer

Pencils



COMBO to Box Lock: 3-6-9





Data Sheet

(to be filled out by each counter to share info/communicate to next counter, but be sure to KEEP YOUR OWN DATA)

Instructions (including thermometer use and where to count at each location)



HAPPY COUNTING!

Reach out to the Conservation Department with any questions or concerns! E-mail <u>kwcadoret@mashpeema.gov</u> or call (508) 539-1400 ext. 8538. E-mail is best.