



Connecticut River Basin Fishway Passage Counts

Report Date: 06/02/2022



This report is compiled by the U.S. Fish and Wildlife Service, CT River Fish and Wildlife Conservation Office using fishway count data provided by several agencies as well as power companies and is dependent in most cases on the review of video counts, that have an associated time lag for updates. Please visit <http://www.fws.gov/r5csrc> for more information.

Fishway, River - State	Data as of:	American Shad	Alewife	Blueback Herring	Atlantic Salmon	American Eel	Sea Lamprey	Striped Bass	Gizzard Shad	Shortnose Sturgeon	Other/ comment
Rogers Lake-CT	final		264								
Mary Steube, Mill-CT	final		3,944								37K in 2020
Mill Pond, Falls -CT (NEW Fishway)	final		160								
Moulson Pond, Eightmile-CT	5/24		2	85			1				
Leesville, Salmon-CT	open										
StanChem, Mattabesset-CT	4/22		1,561								image data in review
Rainbow, Farmington-CT	open	2			1						
W. Springfield, Westfield-MA	5/19	751					302				723 white suckers
Holyoke, Connecticut-MA	6/1	170,932		283		781	21,009	149	58	3	
Easthampton, Manhan-MA											operating, unmonitored
**Turners Falls-Gatehouse, Connecticut-MA	5/21	14,598					787				Gatehouse visitor center opens 5/14
Vernon, Connecticut-VT	5/15	522									
Bellows Falls, Connecticut-VT	opened 5/19										
Total to basin, only <u>first</u> barrier counts											
		171,685	5,507	368	1	781	21,312	149	58	3	
Last year totals											
		237,355	26,863	3,019	4	12,952	20,620	352	54	11	

**** Spillway Fish Ladder - at the dam # shad, # sea lamprey; Cabot Station Ladder, base of canal, # shad, and # sea lamprey. Note that at Turners Falls Project (Dam/Canal) fish must use one of these two fishways first before having the opportunity to pass the final required ladder (Gatehouse).**

A - total collected from 3 eel ramp/traps at Holyoke in 2021

Sierra at Holyoke Fish Lift reported fairly steady American Shad daily passage counts since last week: 5/25 (1,731), 5/26 (3,177), 5/27 (4,422), 5/28 (2,325), 5/29 (4,295), 5/30 (2,277), 5/31 (1,617), and 6/1 (2,802). One notable change is Sea Lamprey passage counts. On 5/28, a total of 4,398 lamprey were passed! Water temperatures today in both mainstem and tribs are "seasonally good" in the 21C (70F) range. Yesterday in Wethersfield Cove we also had moderate water temps ~ 23C, only sampling a total of 40 Blueback Herring. However, flows remain very to extremely low and we have seen no to very limited presence of any anadromous fishes in our river herring assessment work this week (zero Bluebacks in both Chicopee and Farmington rivers and ONE in the Westfield). We had observed lamprey on their nest the past weeks in our sample areas - but not this week. The truck and haul facility at Holyoke has winded down with a total of 2,311 fish being moved for Conte Lab research on fishway entrance designs (see next page) and other agencies restoration programs - both in the CT River basin (CTDEEP) and out-of-basin (RIDFW and USFWS - North Attleboro NFH). I have also attached a web link to a climate change report produced by NOAA Fisheries that provides graphical approaches to compare and contrast among species. As no surprise, the diadromous fishes are considered at high/very high risk in this report (web link provided). A group I am working with others on, for a NOAA River Herring Conservation Report (update), has pulled some figures from this so thought I would share here as timely given this springs environmental conditions and run observations to date.

-and-shellfish-climate-vulnerability/index#

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Northeast Fish and Shellfish Climate Vulnerability Assessment

In the first assessment of its kind, NOAA scientists applied a new methodology to assess the climate vulnerability of 82 fish and invertebrate species in the Northeast region. The results of the assessment were recently published and are available here. Similar assessments are also underway for the Bering Sea and California Current Ecosystems. Read More...

EXPLORE THE RESULTS

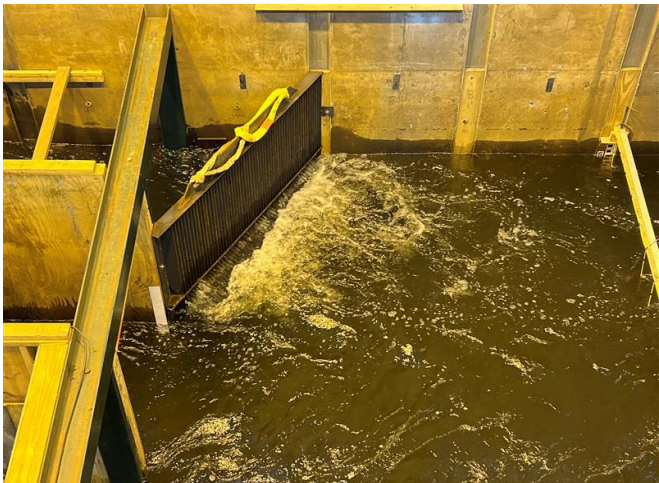
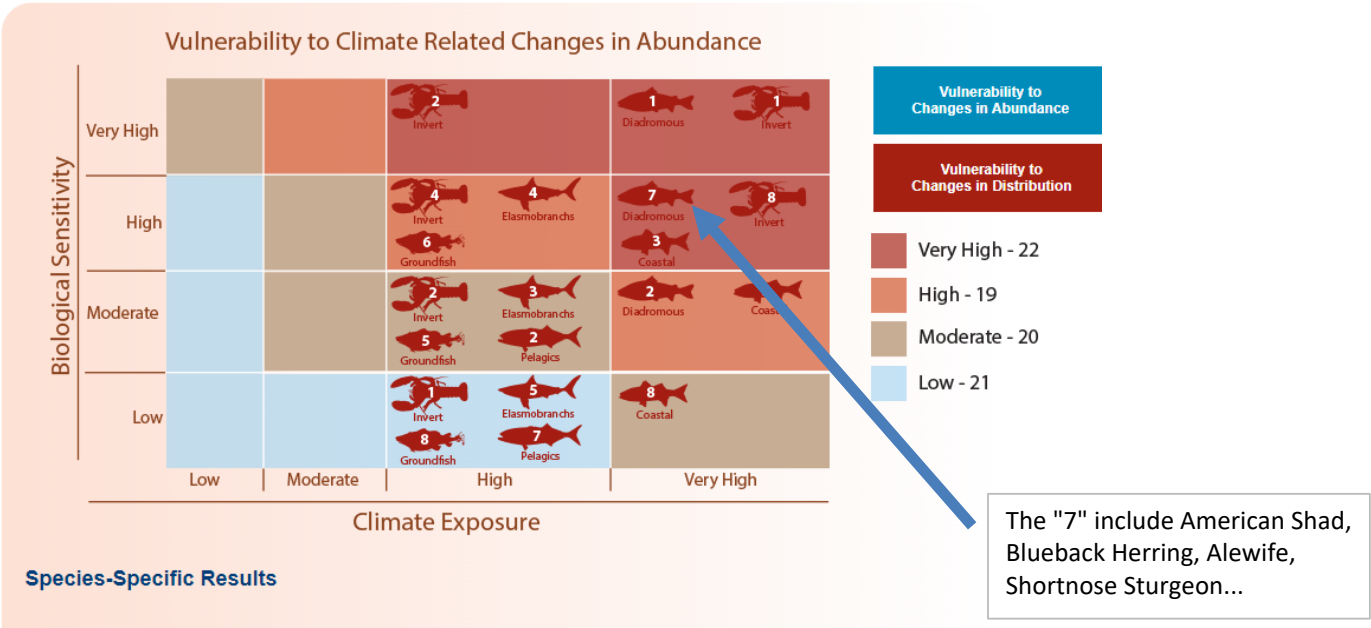


Image 1. The experimental flume building at USGS Conte Lab with the "Palisade" entrance design (angled weir). A number of different treatments (angle of weir, rate of flow) are all being studied with shad from HFL, using PIT tags/system design.