



Connecticut River Basin Fishway Passage Counts

Report Date: 5/12/2021

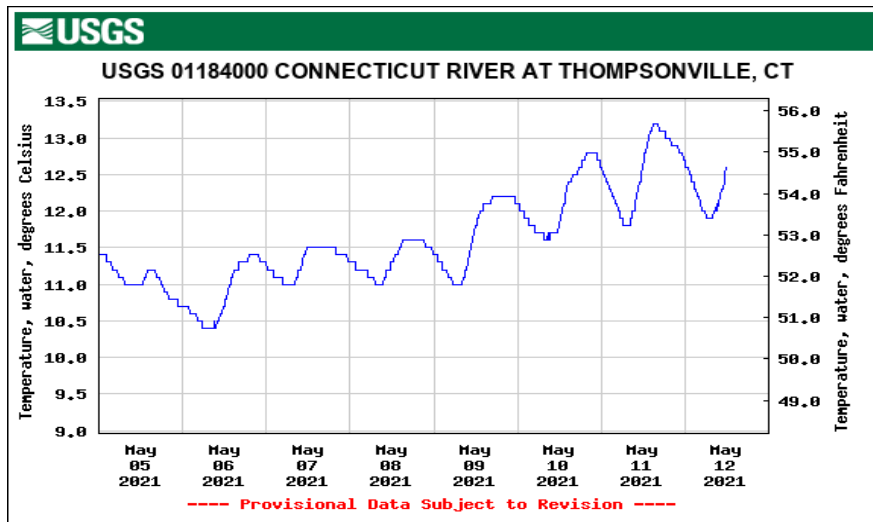
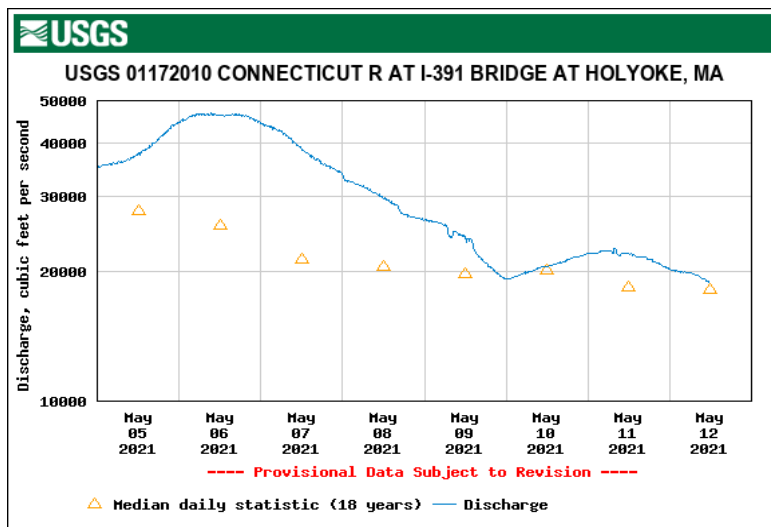


This report is compiled by the U.S. Fish and Wildlife Service, CT River Fish and Wildlife Conservation Office using fishway count data provided by several agencies as well as power companies and is dependent in most cases on the review of video counts, that have an associated time lag for updates. Please visit <http://www.fws.gov/r5crc> for more information.

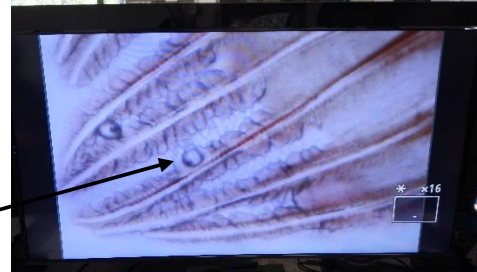
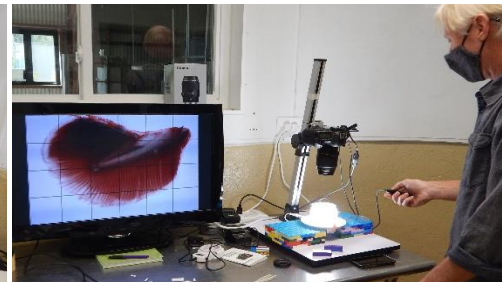
Fishway, River - State	Data as of:	American Shad	Alewife	Blueback Herring	Atlantic Salmon	American Eel	Sea Lamprey	Striped Bass	Gizzard Shad	Shortnose Sturgeon	Other/ comment
Rogers Lake-CT	open										
Mary Steube, Mill-CT	5/11		20,572								2,360 into Rogers Lake
Moulson Pond, Eightmile-CT	open										
Leesville, Salmon-CT	open										
StanChem, Mattabesset-CT	open										
Rainbow, Farmington-CT	open										
W. Springfield, Westfield-MA	open										
Holyoke, Connecticut-MA	5/11	8,003		1		30	13	1	3	1	eel are elvers from traps
Easthampton, Manhan-MA	open										
**Turners Falls-Gatehouse, Connecticut-MA	5/6	0									a few shad seen in prelim review of 5/7
Vernon, Connecticut-VT	open										
Bellows Falls, Connecticut-VT	closed										
Wilder, Connecticut-VT											
Total to basin, only <u>first barrier</u> counts											
		8,003	20,572	1	0	30	13	1	3	1	
Last year totals											
		368,482	38,056	931	0	17,695	37,399	452	96	18	

**** Spillway Fish Ladder - at the dam ### shad, ### sea lamprey; Cabot Station Ladder, base of canal, ### shad, ### sea lamprey, and ## blueback herring. 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 A - total collected from 3 eel ramp/traps at Holyoke in 2020**

The basin river flows have been receding but the water temps have only had very modest increases. The water temps remain quite low and that will effect fish behaviors, gonad development - spawning, and run timing. See attached figures next page for those data. Sierra at HFL reported operations since the 4/30 closure did not resume until 5/10, with last weekend through 5/10 impacted by very turbid conditions that did not allow lift operations (sturgeon management factor). The more moderate flow of ~ 20,000CFS are good for passage but the 10-12C (low 50Fs) water temps are playing a role. On 5/10, a total of 2,368 shad were passed, followed by 2,221 yesterday. So far today, Sierra notes similar shad passage. It was nice to see a few more species documented passing including the lone river herring and the showing of some Sea Lamprey and elvers. On this past Monday we tagged and released 12 more Blueback Herring at the river mouth with 24 tags in total remaining for the study (this Friday and next Tuesday outings). Water temp was only 54F and Alewife were still in the species mix. Darren was out in Wethersfield Cove the same day and sampled moderate to low numbers of river herring over five runs and had a temp in of 56F (we have typically been 8-10F warmer in past years there). He is out today on the Farmington River and I will be out tomorrow on the Chicopee and Westfield. Last week we encountered low numbers of bluebacks on the Chicopee and Westfield rivers.



Carolyn processing shad in the lab today for our comparison set of scale age vs. otolith age - with CTDEEP. Shad provided weekly by HFL.



Virginia and Dave (USFWS Cronin Aquatic Center) examining river herring gill arches for mussel glochidia - with some shown in one image (encysted).