



Connecticut River Basin Fishway Passage Counts

Report Date: 6/9/2021



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/r5src> 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	5/18		2,507								
Mary Steube, Mill-CT	5/18		20,731								
Moulson Pond, Eightmile-CT	5/2		772	502							record # of ALE, been trucking
Leesville, Salmon-CT	open										
StanChem, Mattabesset-CT	4/26		2,526								prv record #, was 460
Rainbow, Farmington-CT	open										
W. Springfield, Westfield-MA	open										
Holyoke, Connecticut-MA	6/8	232,041		1,241		9,695	20,442	261	33	3	eel are elvers from traps
Easthampton, Manhan-MA	open										
**Turners Falls-Gatehouse, Connecticut-MA	5/25	12,334		2			3,305				
Vernon, Connecticut-VT	5/22	914					70				
Bellows Falls, Connecticut-VT	open										opened 5/26
Wilder, Connecticut-VT											
Total to basin, only <u>first barrier</u> counts											
		232,041	24,029	1,743	0	9,695	20,442	261	33	3	
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

Since the last report we have endured a true heatwave that has translated to rapid water temp increases (see next page). Main stem river discharge is very low (<25th percentile mostly), while many tributaries have had pulses that have them above that threshold, but largely on strong declines. Sierra at HFL has seen daily shad counts largely persist in the thousands since last WED (1,500-7,000) with some recent (6/7-8) lower hundreds passed (6/8 closed earlier from the storm). So far today they have passed 2,475 shad with water temps at 24C. Interestingly, we are seeing a second pulse of Sea Lamprey passing at HFL, with a peak of 974 passed on 6/5, that has added ~3,000 to the yearly total. In addition a third Shortnose Sturgeon was trapped and passed upstream. That fish had been tagged and release upstream in June of 2020 at HFL. My office sampled Wethersfield Cove on Monday and captured 30 bluebacks, water temp 26C (80F) so we will be back next week for another "end of season" round. We also sampled the lower Chicopee and Westfield rivers today and water levels were extremely low (inspite of gage data on Chic), with no herring seen. We continue to observe shad in low/mod numbers and in fairlry good conditions (low scale loss/fungus, a few are even bright).

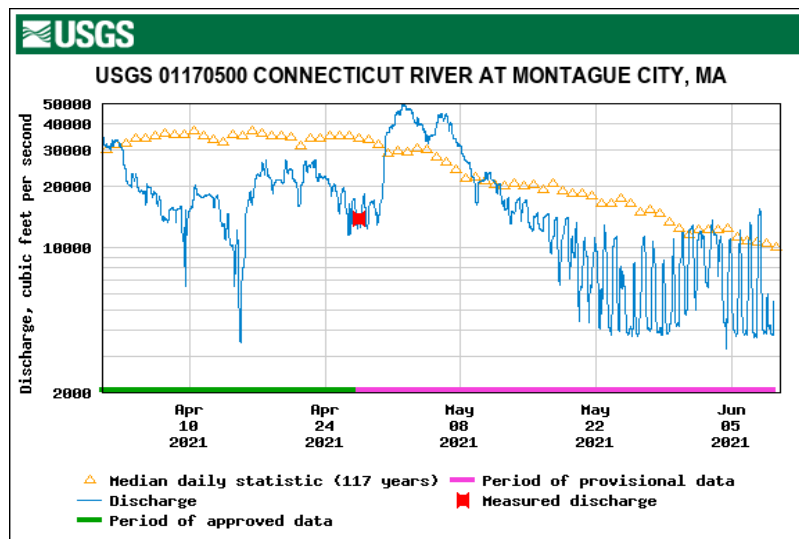


Figure 1. Daily discharge (note period, freq, duration, magnitude of peaking) at a gage station located just downstream of the Deerfield River confluence, which typically has a minor contribution (6/2 - 6/8 did not exceed 1,100 CFS).

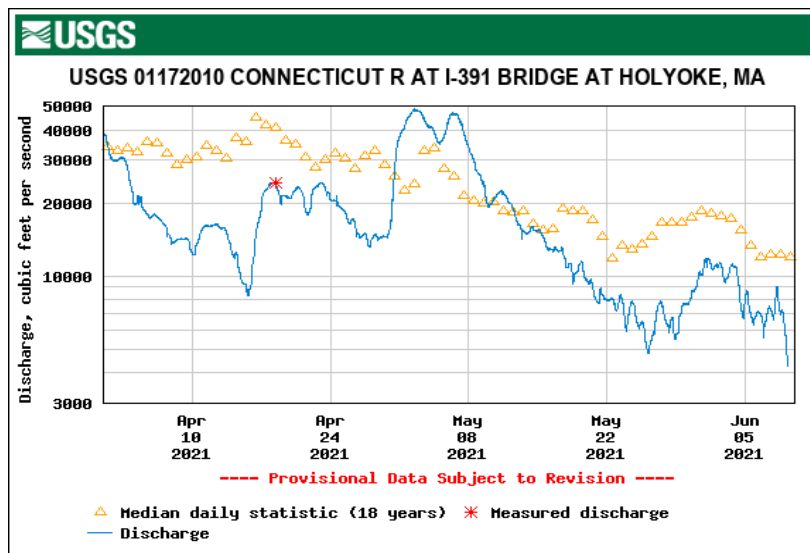


Figure 2. Daily discharge profile from a gage located ~ 6 miles downstream of Holyoke

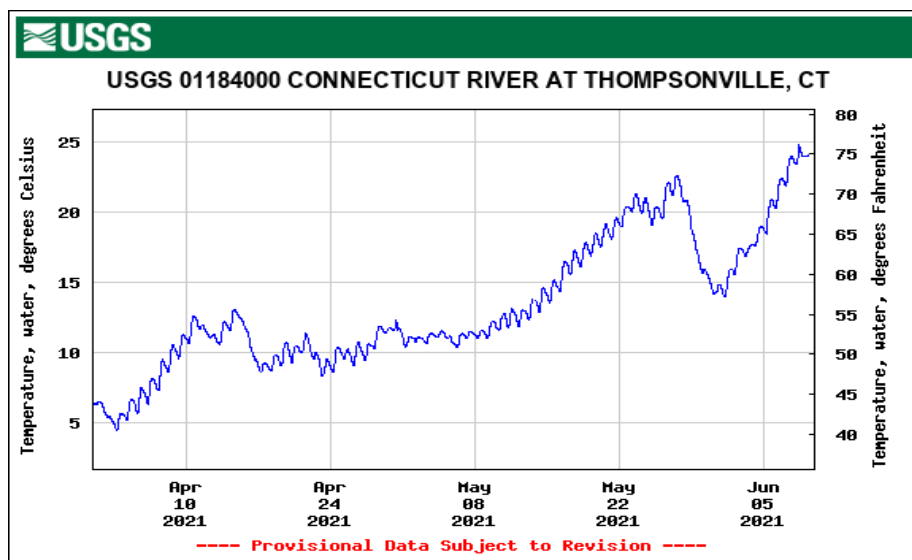


Figure 3. Daily water temperature profile from the USGS gage just downstream of the MA State Line.

