



Connecticut River Basin Fishway Passage Counts

Report Date: 05/5/2022



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/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	5/3		188								
Mary Steube, Mill-CT	5/3		3,732								
Mill Pond, Falls -CT (NEW Fishway)	5/3		160								
Moulson Pond, Eightmile-CT	5/3		2								
Leesville, Salmon-CT	open										no counting
StanChem, Mattabesset-CT	4/21		low								image data in review
Rainbow, Farmington-CT	open										
W. Springfield, Westfield-MA	open										image data being gathered
Holyoke, Connecticut-MA	5/4	2,769									HFL staff helping provide truck and haul fishes
Easthampton, Manhan-MA											
**Turners Falls-Gatehouse, Connecticut-MA	opened 4/29										Gatehouse visitor center opens 5/14
Vernon, Connecticut-VT	opened 4/29										
Bellows Falls, Connecticut-VT											
Total to basin, only <u>first</u> barrier counts											
		2,769	3,734	0	0	0	0	0	0	0	
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

This report period was again dominated by seasonally cold water temperatures and river flows that were/are below long term means, but within an expected range of variability - 25th to 75th percentiles (various USGS Gage data). Sierra at HFL reported extremely low daily shad counts from 4/29 - 5/1 (4, 6, 7 fish). On Monday 5/2, the daily count was 1,141 shad and for the following two days was 585 and 858 shad. Sierra and her seasonal Holyoke Gas and Electric staff have been helping provide fish from the trap/truck and haul at HFL for USFWS shad restoration brood stock and USGS Conte reaserch activities (thanks!). Water temps remain around the 10C (50F) mark in the area of Holyoke mainstem. I have included a figure on the next page which describes the American Shad daily passage at HFL for 2021 with both water temperature and river discharge. My office's river herrinhg assessment work this week yielded low relative abundance values based upon effort/catch (minutes of efish time by sample run). We have been generally able to bring 80 fish back the lab for earbone (otolith), scale, and female ovary processing for each area. Water temps remained at levels I have not seen at this time of year over the past ten years of conducting this program. With water temps in the mid 50Fs (target coves and tribs) we are surprisingly seeing a high proportion of the female Bluebck Herring sampled as partial spawned out, typically they are in this state with water temps in the mid 60Fs. It will be interesting to see how this season continues to develop.

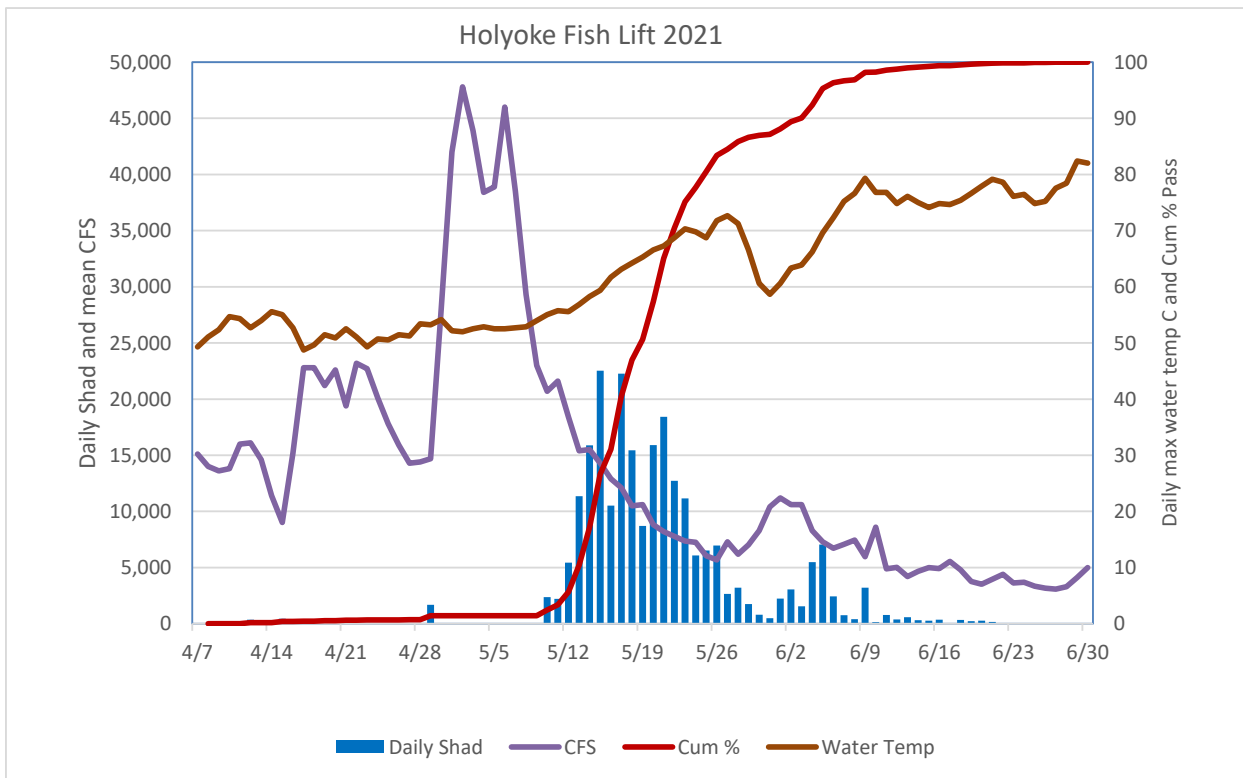


Figure 1. A plot of American Shad daily passage counts at Holyoke Fish Lift in 2021 including mean daily river discharge (Holyoke), % cumulative daily total, and daily high water temperature. This plot shows a similar pattern of cold water temperatures in 2021, with 2022 actually cooler.