



Connecticut River Basin Fishway Passage Counts

Report Date: 06/09/2022



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 | 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 | 5/31 | 1,100 | | | | | 503 | | | | 724 white suckers |
| Holyoke, Connecticut-MA | 6/8 | 182,046 | | 283 | | 781 | 22,167 | 258 | 60 | 6 | |
| Easthampton, Manhan-MA | | | | | | | | | | | operating, unmonitored |
| **Turners Falls-Gatehouse, Connecticut-MA | 5/23 | 17,414 | | | | | 1,500 | | | | Gatehouse visitor center opens 5/14 |
| Vernon, Connecticut-VT | 5/19 | 4,764 | | | | | 109 | | | | |
| Bellows Falls, Connecticut-VT | opened 5/19 | | | | | | | | | | |
| Total to basin, only <u>first</u> barrier counts | | | | | | | | | | | |
| | | 183,148 | 5,507 | 368 | 1 | 781 | 22,671 | 258 | 60 | 6 | |
| Last year totals | | | | | | | | | | | |
| | | 237,355 | 26,863 | 3,019 | 4 | 12,952 | 20,620 | 352 | 54 | 11 | |

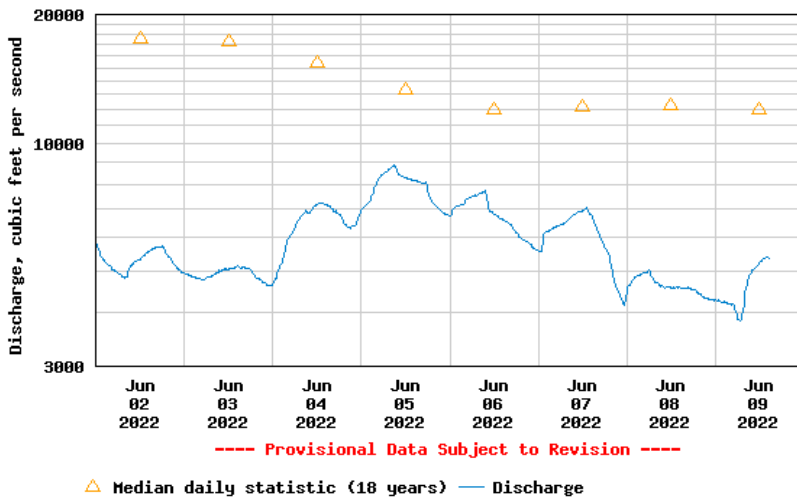
**** Spillway Fish Ladder - at the dam # shad, # sea lamprey; Cabot Station Ladder, base of canal, # shad, and # sea lamprey. Note that at Turners Falls Project (Dam/Canal) fish must use one of these two fishways first before having the opportunity to pass the final required ladder (Gatehouse).**

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

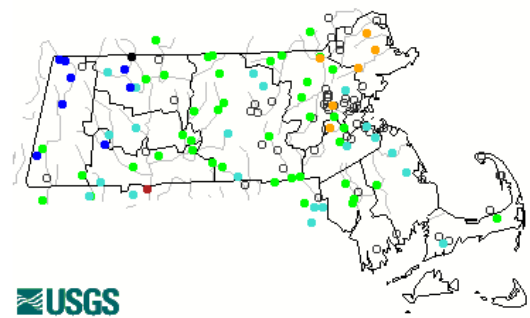
Since the last report HFL passed another ~ 11K shad; 6/2 (3,157), 6/3 (1,063), 6/4 (1,474), 6/5 (579), 6/6 (1,030), 6/7 (1,789), and 6/8 (2,022). Since 1980 there have been 10 spring shad runs that have not reached 200K fish at HFL, including the full period of 2004 to 2010. The age-5 component of the run at HFL is often the highest contributing cohort. The juvenile index from CTDEEP assessment program, annually conducted by Jacque Benway, had a low shad JI in 2017. With that said, we will need to see what the age structure is later as Jacque examines ~1,000 scale samples. The good news is - the CTDEEP in 2018 had the highest shad JI value in their data times series - since 1978. We can have reasonable hope that this record juvenile cohort will make a showing next year and may prelude to that potential based on age data for this year, with the age-4 fish data. Thanks to the others folks regularly providing and dealing with counts, Kevin Job and CTDEEP staff, Steve Leach (FirstLight), VTDFW seasonals, and Steven Mattocks (MADFW). My office has discontinued sampling the lower Chicopee, Westfield and Farmington rivers for our river herring assessments this week. We did sample Wethersfield Cove on this Wednesday and actually had a slight increase in catch rates from last week. In 6 runs we sampled 55 Blueback Herring. Water temps have been "good" given the nice weather but the flows in main stem and tribs had been extremely low - as in 10th percentile. The soaking of last night has the tribs flowing in much better ranges, with the main stem yet to respond with its lag time.



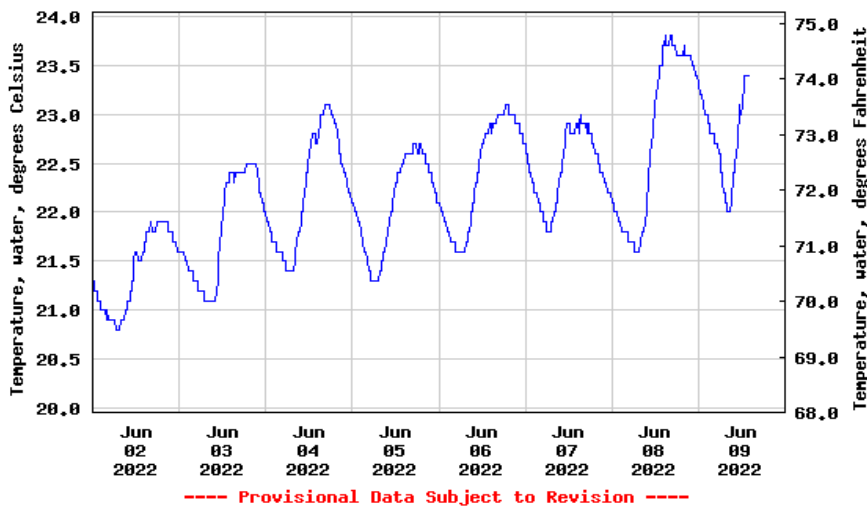
USGS 01172010 CONNECTICUT R AT I-391 BRIDGE AT HOLYOKE, MA



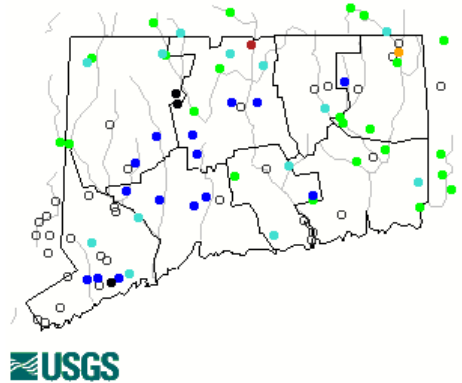
Thursday, June 09, 2022 14:30ET



USGS 01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT



Thursday, June 09, 2022 14:30ET



| Explanation - Percentile classes | | | | | | |
|----------------------------------|-------------------|--------------|--------|--------------|-------------------|------------|
| Low | <10 | 10-24 | 25-75 | 76-90 | >90 | High |
| | Much below normal | Below normal | Normal | Above normal | Much above normal | Not-ranked |

All figures are from USGS. Note that the Holyoke USGS data shows flows today, are less than the 18 year date series, 10th percentile.