**Eastern Brook Trout Joint Venture**

**Completed Project Report Form**

**Project Title: Peterson Pond Dam Removal**

* **Location: Third Herring Brook, Norwell/Hanover, Massachusetts**
* **Lat / Long Coordinates: 42.143664, -70.837238**
* **Sponsor: Jamie Masterson, US Fish and Wildlife Service**
* **Completion Date: 11/24/2020**
* **Partners involved: NOAA, MassDER, PREP/Hanover Mall, MassBays National Estuary Partnership, Mass. Environmental Trust, Towns of Hanover and Norwell, Trout Unlimited, Sea Run Brook Trout Coalition**
* **Project costs:**
1. Total cost: $237,935.55
2. Non-federal amount: $116,651.00
3. Federal amount: $121,284.55
* **Final Funding:**

NFHAP Funding Through EBTJV: $45,454.55

Total Federal Contributions: $121.284.55

Total Non-Federal Contributions: $116.651.00

|  |  |  |
| --- | --- | --- |
| **Partner** | **Type of Match****(In-Kind or Cash)** | **Amount** |
| FWS | Cash | $45,454.55  |
| NOAA | Cash | $65,415  |
| PREP/Hanover Mall | Cash | $75,000  |
| MassDER | Cash | $11,545  |
| MET | Cash | $20,000  |
| NSRWA | In-Kind | $4,322  |
| MassBays | In-Kind | $10,415  |

* **Action strategy implemented in the project (according to EBTJV range wide, regional, or state level habitat strategies).**

Reconnect fragmented fish habitats - restoring aquatic connectivity by removing small dams and replacing undersized culverts

* **Priority score of the sub-watershed where the project took place.**

0.16

* **Describe any additional species of greatest concern or the state wildlife action plan listed habitat conservation goal (s) supported by the project.**

The Massachusetts State Wildlife Action Plan (SWAP) identifies blueback herring, alewife, American eel and eastern brook trout as Species of Greatest Conservation Need (SGCN) and associated habitats, including Third Herring Brook, as Habitats of Greatest Conservation Need (HGCN). This project will also benefit the eastern box turtle (*Terrapene carolina*), a state Species of Special Concern.

* **Project objective(s):**

The objective of this project was the removal of the Peterson Pond Dam, which at the time of application was the first dam from the North River on the Third Herring Brook, a tidal estuary on the South Shore of Massachusetts. The Third Herring Brook has wild eastern brook trout in the mainstem and tributaries.

* **Methods used:**

Dam removal

* **Project outcomes: Describe outcomes and whether or not the objectives were met. If not why? What lessons were learned?**

The dam was removed and connectivity was restored to 1.3 miles of stream. We discovered that a few concrete weirs just upstream might also provide a passage issue so that was added to our restoration plan for the brook (and completed in December 2022)

* **What is the Brook trout population response to the project outcome?**

The population continues to increase and individuals are growing downstream in the brook. We have not seen brook trout as far upstream as the Peterson Pond site yet.

* **If applicable, what is the number of stream miles and or acres of brook trout habitat?**

A. Protected: 0

B. Restored/Enhanced: 1.3 miles

* **If applicable what is the number of stream miles and or lake/pond acres of brook trout habitat gained access to as a result of removing a fish barrier. Include the # of fish barriers removed?**

1.3 miles, three fish barriers (dam and two weirs)

* **If applicable, what is the number of stream miles and or lake or pond acres of brook trout habitat with sediment, phosphorous, or nitrogen inputs that were rehabilitated to within 25% of natural or other desired levels such as numeric state water quality criteria?**

N/A

**\*\*\*\*\*\*\**Please include before and after photos of the project with a photo release form and appropriate credit line for the photos*.\*\*\*\*\*\*\*\*\***