Project Managed By:
Falmouth Rod & Gun Club

Upper Childs River Restoration

Cape Cod – Falmouth and Mashpee, Massachusetts

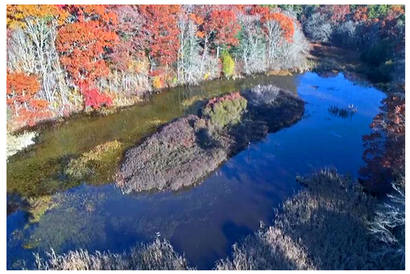
Author: Dennis Martin

29 Private and Public Partners

Project Objectives:

- **Re-establish a coldwater fishery for sea run brook trout** ⟶ **Remove barriers to fish passage** – by eliminating earthen dam, spillway, non-functional fish ladder at the southern mill pond, and water control structures in the bogs. **Replace the clogged / deteriorated culvert. Re-channel the river -** to enable the groundwater-fed system to flow freely. **Create the proper environment for propagation and survival** – ensure colder water temperature, highly oxygenated clean water.
- **Convert established cranberry bogs to wetlands** ⟶ **Enhance habitat for migratory birds and other wildlife -** wetlands improve biodiversity by providing critical habitat, breeding grounds, and sources of food for wildlife**. Prevent flooding and excessive run-off** - the sponge-like nature of wetland plants and soils help control water flow allowing slow release into the river. **Help moderate global climate conditions** – through storage of large amounts of water and carbon.
- **Improve water quality of the watershed and at the estuary** ⟶ **Reduce sediment and pollutants** - the unique plants and soils of wetlands filter, absorb and remove undesirable materials. **Eliminate stagnant pooling** - by removing the earthen dam, bog ditches, and water control structures, the clean groundwater flows uninhibited.
- **Preserve the project area** ⟶ **Establish conservation restrictions** – situated within the Mashpee National Wildlife Refuge, the restored area will remain undeveloped.
- **Enable access for the public to enjoy nature** ⟶ **Create a pedestrian trail along the project corridor** - provides an excellent opportunity to learn how nature functions, and enables hiking, animal / birdwatching, and photography within a relaxing atmosphere.

5 Areas of Transformation

	Southern Mill Pond	Clogged / Deteriorated Culvert	Northern Mill Pond	Farley Bog (12.5 Acres)	Garner Bogs (24.7 Acres)
Before - 2018					
After - 2021					

Research, Model, Assess, Communicate ⟶ Plan, Design, Fund, Acquire, ⟶ Permits ⟶ Implement ⟶ Monitor, Evaluate, Adjust

2014 Discussion Begins	5/8/17 Team Kick-off	7/19/17 Concept Plan	5/14/20 100% Design Plan	8/20/20 Final Permitting	8/26/20 Construction Begins	Spring-2022 Construction Complete	2026 5-Year Report