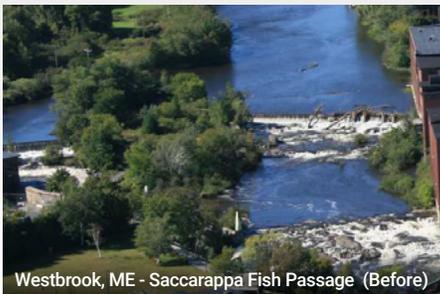


Howland, ME - Howland Dam (Before)



Howland, ME - Howland Dam (After)



Westbrook, ME - Saccarappa Fish Passage (Before)



Westbrook, ME - Saccarappa Fish Passage (After)

“ Every day, on every project, we are helping to create a more adaptive, resilient, and sustainable world. ”

## REMOVAL • CONNECTIVITY • REHABILITATION

### Improving fish passage and reconnecting habitats

There are over 10,325 dams throughout the Northeast and 4,480 in New England alone, most of them are over 105 years old with no modern purpose. They range from small earthen dams to large decommissioned industrial dinosaurs. Many dams are falling apart and pose a wide range of challenges for communities including the risk of injury and the potential for catastrophic flooding and dam failure. Infrastructure funding is now available to help dam owners address these urgent threats sooner vs. later.

Dams have prevented the migration of fish for hundreds of years. Every year millions of fish migrate to their spawning habitats to reproduce. They are often blocked from completing their journey by human made barriers such as dams and culverts. SumCo Eco helps communities and dam owners maintain their structures while restoring river connectivity and fish passage by constructing a variety of structural and nature-like passage solutions. For over 20 years, SumCo Eco has been constructing a wide range of fish passages including:

- Nature-like bypasses
- SteepPasses
- Rock ramp fishways
- Weir Fishways
- Denil fish ladders
- Other civil / structural solutions

SumCo Eco has worked with private and commercial dam owners, NGOs, state and local governments, community organizations, and project proponents to value-engineer and construct a broad range of dam management projects. We would welcome any opportunity to join you and your team to walk the river, consider the unique challenges of the dam and its river system, and partner with you to streamline and implement a shared project vision.

## CONTACT OUR EXPERIENCED DAM CONNECTIVITY TEAMS



**Travis Sumner**  
tsumner@sumcoeco.com  
(978) 335-0757



**Stephen Fuller**  
sfuller@sumcoeco.com  
(603) 918-4255



**Ron Ferraiuolo**  
rferr@sumcoeco.com  
(508) 989-0007



**Scott Brady**  
sbrady@sumcoeco.com  
(508) 613-6263

Project partners and affiliations



[www.sumcoeco.com](http://www.sumcoeco.com)

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### Branch Pond Dam Fishway, China, ME

Dam modifications included new reinforced concrete facing, gates, and safety measures. An Alaskan Steeppass, concrete turning pools, and in-stream weirs were built to enhance fish passage. The scope of work also included parking improvements and a new hand-carry boat ramp.



### Howland Dam Fish Bypass Channel, Howland, ME

This was one of the largest and most complex bypasses ever constructed in the US. Work included site clearing/grubbing; sheet pile cofferdam; water control/dewatering; soil sampling and characterization; 60,000 CY excavation of overburden; 30,000 CY rock blasting and removal; stockpile management and segregation; demolition of powerhouse and turbines; construction of a prefabricated vehicular bridge; 26,000 CY of imported boulder-mix riverbed material and installation of 2-3 ton boulders.



### Kenyon Mills Dam Removal and Rock Ramp Fishway, Kenyon, RI

SumCo Eco-Contracting constructed this fish passage, replacing the Kenyon Mill Dam spillway with a rock ramp fishway to pass migratory fish over the dam over the dam, will maintain the head pond for critical fire suppression purposes.. The project included upstream and downstream sheet pile cutoff walls; lined channel bypass; syphon system; rock ramp fishway construction; riverbank stabilization; and site restoration.



### Draka Dam Fish Ladder, Dighton, MA

SumCo constructed an aluminum Alaskan Steeppass fish ladder, a concrete-formed entrance box, turnpool and exit box integrated with a notch in the dam crest. A second notch in the dam provides a soft landing for juvenile river herring and other fish leaving the pond into a plunge pool. Flows from the downstream migration channel lead to the entrance box to provide additional attraction flows.



### Saccarappa Dam Removal and Fish Passage, Westbrook, ME

This project involved removal of the 2-story powerhouse, 2 dams 12-30 feet high and 350 feet long alongside the banks of an historic manufacturing center, the filling/grading of the tailrace and the creation of a naturalized fishways with resting pools sculpted in separate channels flowing around an island that will be encompassed into a city park. A double Denil fish ladder 230 feet in length was also constructed on the western channel to accommodate the projected annual runs of fish migrating to the reopened river.

## Our Full List of Services



### Ecosystem Restoration & Mitigation

Freshwater Wetlands  
Salt Marshes  
Cranberry Bog Restoration  
Lakes & Ponds  
Upland Forest & Grasslands



### Dam Removal & River Restoration

Fish Passage  
Bank Stabilization  
Stream Restoration



### Coastal Stabilization

Living Shorelines  
Bioengineered Solutions  
Dune Restoration  
& Beach Nourishment  
Sea Walls & Revetments



### Infrastructure & Resiliency

Dam Rehabilitation  
Culverts & Bridges  
Flood Control  
Site Development  
Green Infrastructure  
Stormwater Systems



### Dredging & Marine Construction

Hydraulic & Mechanical  
Dredging  
Beneficial Use of  
Dredge Materials  
Subtidal Infrastructure  
Jetties, Piers, & Bulkheads  
CDF Infrastructure



### Parks & Open Spaces

Landscape Installation  
Golf Course Water Features  
Boardwalks & Bridges  
Trails & Public Access  
Water Access/Boat Ramps



### Native Plant Communities

Planting & Site Restoration  
Seeding  
Invasive Species Management



### Remediation

Contaminated Soils  
Soil Treatment & Disposal  
Brownfield Redevelopment

## Contact



www.sumcoeco.com

Follow us on LinkedIn

401 Edgewater Place, Suite 680, Wakefield, MA 01880

**CONTACT OUR TEAM TO DISCUSS YOUR PROJECT**

**Travis Sumner:** tsumner@sumcoeco.com • (978) 335-0757

**Stephen Fuller:** sfuller@sumcoeco.com • (603) 918-4255

**Ron Ferraiuolo:** rferr@sumcoeco.com • (508) 989-0007

**Scott Brady:** sbrady@sumcoeco.com • (508) 613-6263

Service areas:  
From Maine to  
Virginia

