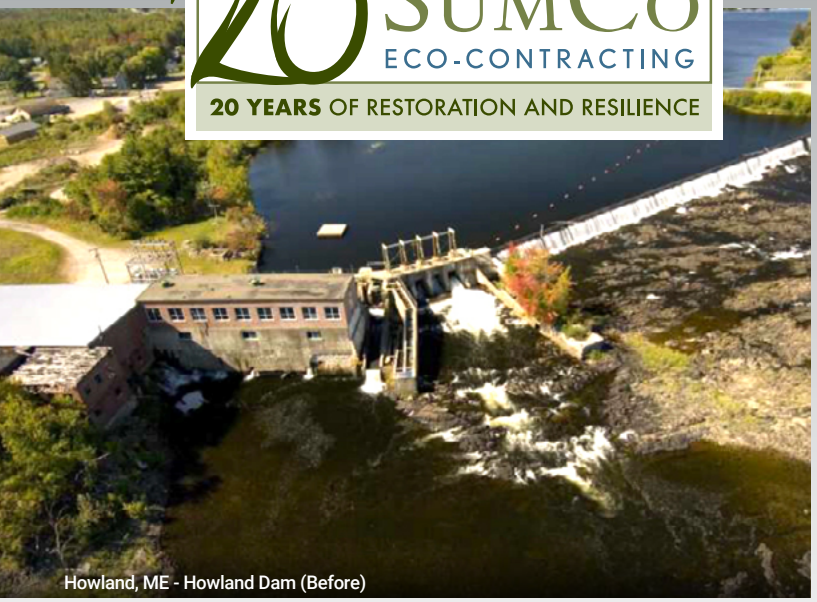
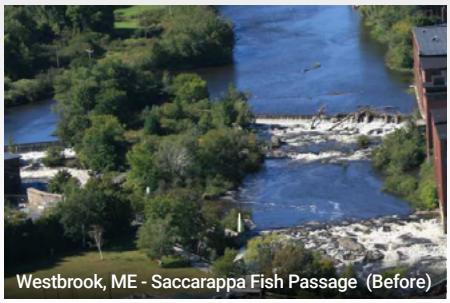
20 SumCo ECO-CONTRACTING

20 YEARS OF RESTORATION AND RESILIENCE

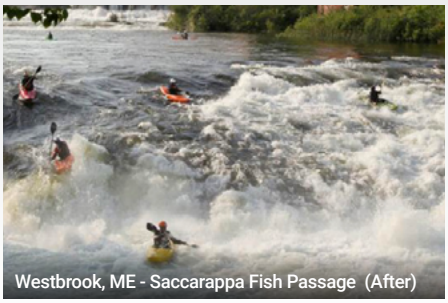


Howland, ME - Howland Dam (Before)

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.

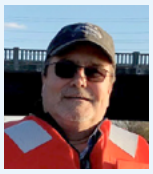
Dams have prevented the migration of fish for hundreds of years. Every year millions of fish migrate to their spawning habitats to reproduce. They are often blocked from completing their journey by human made barriers such as dams and culverts. SumCo Eco helps communities and dam owners maintain their 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
- Weir Fishways
- SteepPasses
- Denil fish ladders
- Rock ramp fishways
- 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

AMERICAN RIVERS

Connecticut River Conservancy

Atlantic Salmon Federation • Fédération du Saumon Atlantique

EBC Environmental Business Council of New England

DAM MANAGEMENT COMMITTEE

www.sumcoeco.com

Follow us:

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

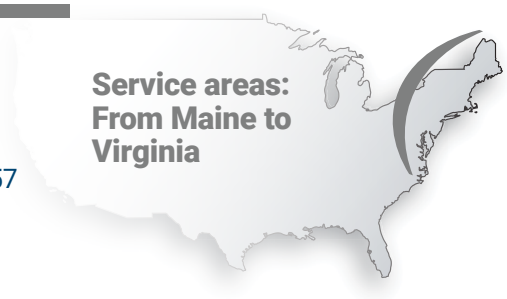
20 SumCo Eco-Contracting
20 YEARS OF RESTORATION AND RESILIENCE

www.sumcoeco.com

Follow us:

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