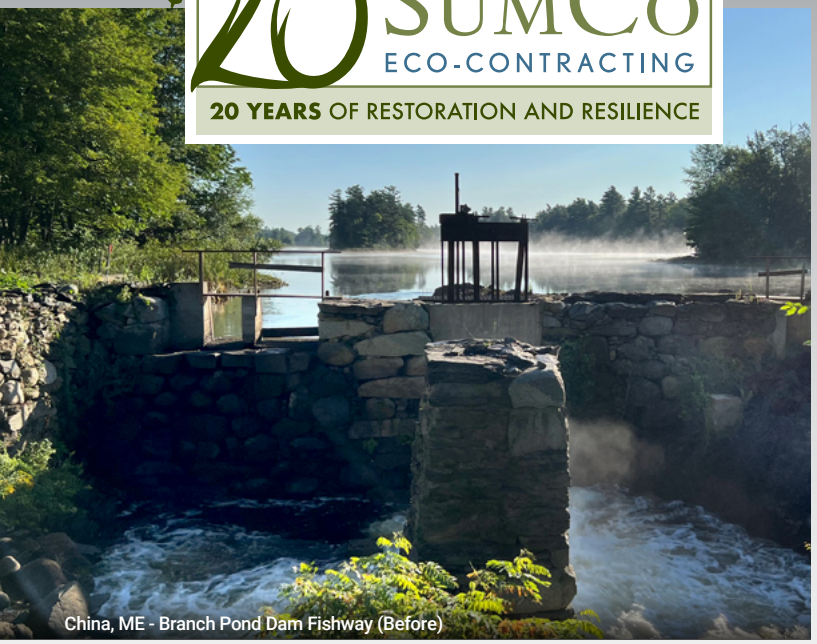
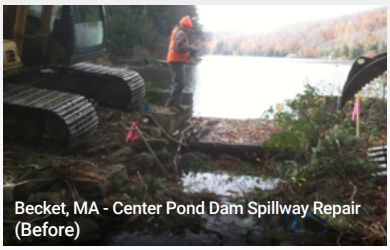
20 SumCo ECO-CONTRACTING

**20 YEARS** OF RESTORATION AND RESILIENCE



China, ME - Branch Pond Dam Fishway (Before)

China, ME - Branch Pond Dam Fishway (After)



Becket, MA - Center Pond Dam Spillway Repair (Before)

Becket, MA - Center Pond Dam Spillway Repair (After)

> *"Every day, on every project, we are helping to create a more adaptive, resilient, and sustainable world."*

REMOVAL • CONNECTIVITY • **REHABILITATION**

## Rehabilitating aging dams and protecting infrastructure

There are over 10,325 dams across the Northeast and though they are an important part of our infrastructure, thousands of dams remain in need of rehabilitation to meet current design and safety standards. Occasional upgrade or rehabilitation is necessary due to deterioration, changing technical standards, improved techniques, better understanding of the area's precipitation conditions, and changes in downstream populations or land use. Small problems can worsen and can become more expensive turning a minor problem into a major reconstruction project, or worse, catastrophic failure.

Dams must be maintained to keep them safe. SumCo has over twenty years of experience working in rivers to repair big and small dams so they can continue functioning safely. We can help dam owners with Vegetation and maintenance activities that include rehabilitation and proactive repairs including gate and spillway upgrades, crack repairs, debris removal, sediment management, embankment stability, Seepage corrections, and core walls. Benefits include:

- Risk reduction
- Compliance with new spillway requirements
- Flood protection for downstream communities and properties
- Resolution of high hazard ratings

SumCo Eco has worked with private and commercial dam owners, NGOs, state and local governments, community organizations, and project proponents to conceive, design, value-engineer, permit, 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 REHABILITATION TEAM

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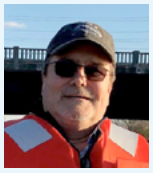

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**Service areas: From Maine to Virginia**

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.

**Lower Highlands Lake Dam Rehabilitation, Goshen, MA**
Topsoil was stripped and stockpiled from the dam. A new ~700' sheet pile core wall was put in place, which was used for installation of the new low-level outlet structure and associated piping. Low permeable fill was backfilled through the open cut and installed on the downstream face of the dam. New toe drain and drainage structures were also installed. Syphons were utilized for the bypass pond flow.

**Gloucester-Haskell Pond Dam Rehabilitation, Gloucester, MA**
The Haskell Pond Dam holds back a 60-acre impoundment which serves as a drinking water supply for the city of Gloucester, MA. Built in 1902, the dam was classified as a high-hazard structure. SumCo Eco constructed a new concrete spillway chute, footings, stilling basin, and channel walls, while also working to regrade the channel bottom, stabilize the banks, and enhance the wetland habitat.

**Howland Dam Fish Bypass Channel, Howland, ME**
This was one of the largest and most complex bypasses ever constructed in the US. Work included installation of a sheet pile cofferdam, water control/dewatering, demolition of powerhouse and turbines, as well as the reinforcement and rebuilding of crumbling power house walls, down-migration sluiceway & control gate removal, new gate structures, and stabilizing the embankment between the river and bypass channel.

## Other Projects

**Center Pond Dam Spillway Repair**
Becket, MA

**Long Pond Dam Repair**
Benton, NH

**Patch Reservoir Dam Repairs**
Worcester, MA

**Macallen Dam Abutment and Outlet Structure Rehab**
Newmarket, NH

**Easton Pond North Dam Spillway Repairs**
Newport, RI

**Haverhill Country Club Outlet Structure Repair**
Haverhill, MA

**Howlett Brook Fishway**
Topsfield, MA

**Panther Pond Dam Reconstruction**
Raymond, ME

## 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


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20 YEARS OF RESTORATION AND RESILIENCE

www.sumcoeco.com

Follow us:

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**CONTACT OUR TEAM TO DISCUSS YOUR PROJECT**
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