



United States Department of Agriculture



USDA Natural Resources Conservation Service

Cape Cod Water Resources Restoration Project Update

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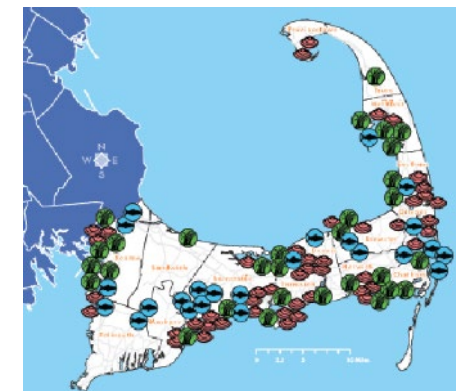
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- The CCWRRP Watershed Plan addresses environmental degradation of water quality and fish and wildlife habitat.
- It will have a long-term, beneficial effect on restoring the water resources and ecosystems along the coastal and inland areas of Cape Cod.
- **Agricultural Benefits:** Improving water quality entering bivalve aquaculture farms.
- **Goals of Plan:**
 - Improve water quality over 7,300 ac of shellfish growing areas with the installation of stormwater treatment systems
 - Restoration/Improvement of access to 4,200 ac of spawning, nursery, and juvenile habitat for anadromous fish through installation of aquatic organism passages (fish ladders)
 - Restoration of 1,500 ac of degraded salt marsh



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The reach the Goals of the Plan NRCS contracted with the CCCD to review the CCWRRP Watershed Plan and suggest updates. The CCCD, through consultation with the Towns, updated the list of projects that would meet the Plan goals over the next 4-5 years.

Based on the new project list, NRCS received over \$42 million in FY22 for 25 projects. This included 7 fish passage, 15 stormwater treatment, and 4 salt marsh restoration projects.

The following Towns received funding for new projects:

Barnstable	Provincetown
Bourne	Sandwich
Brewster	Truro
Chatham	Wellfleet
Dennis	
Orleans	

The following Towns received additional funding to complete existing projects:

Barnstable
Brewster
Eastham
Mashpee





Town Operation and Maintenance Requirements:

The Towns sign an Operation and Maintenance Agreement for Each Project in Accordance with NRCS Watershed Operations Program Policy.

The O&M Agreement references a Project Operation and Maintenance Plan that outlines the actions needed to maintain the project for the lifespan.

The lifespan of each of the projects has been set at 50 years.



Why the 50-year Lifespan?



The CCWRRP is funded through Public Law 566, the Watershed Protection and Flood Prevention Act of 1954, as amended.

This Law has primarily been used by NRCS to fund the installation of over 10,000 flood control dams across the country.

The Projects funded under this authority are expected to have long-term benefits at the watershed scale.

The CCWRRP was the first project of its kind to be funded under PL-566. It needed to be approved by Congress and the Office of Management and Budget (OMB).

Most works of improvement are constructed out of concrete. 50-year performance life seemed reasonable.



What are the O&M Requirements and Options going forward:



This is a watershed scale Project that is intended to have beneficial effects long term.

NRCS wants to be consistent in the O&M requirements for projects funded under the CCWRRP.

NRCS understands the potential for conditions to change over time that may not make it feasible or beneficial to maintain a CCWRRP project for 50 years.

In that case, the Town and NRCS can discuss modifications to the O&M Plan and Agreement.

If agreed to, a new O&M Agreement and Plan will be developed.







SANDWICH HARBOR Stormwater Solutions
sandwich.ma

THE PROBLEM
Stormwater runoff from rain events delivers sediment, bacteria, and other pollutants from rooftops and other paved surfaces in Mill Creek and Sandwich Harbor, negatively affecting salt marsh health.

THE SOLUTION
Several nature-based controls (also known as "green infrastructure") were installed along Riverside Road at the Town Neck Beach parking lot, all within the Jarvisville neighborhood to capture, filter and retain pollutants.

THE GOAL
Healthy marshes and coastal streams means cleaner water, abundant wildlife, a more diverse ecosystem that supports our local economy, provides recreation, and improves community resiliency from storms.

CAN YOU FIND GREEN INFRASTRUCTURE?
The Town of Sandwich and project partners have installed four different kinds of innovative green infrastructure, effectively managing over 50 acres of land resulting in cleaner runoff to Sandwich Harbor. These controls were designed to be compatible with the nature and local environment, while respecting the character of the historic Jarvisville neighborhood.

SOLUTIONS IMPACT
Partners have installed four different kinds of innovative green infrastructure, effectively managing over 50 acres of land resulting in cleaner runoff to Sandwich Harbor. These controls were designed to be compatible with the nature and local environment, while respecting the character of the historic Jarvisville neighborhood.

HOW YOU CAN HELP!
Helping the marsh and coastal ecosystem can be achieved by reducing the amount of fertilizer you use on your plants. Check out more ways you can become a part of the solution at:

PROJECT PARTNERS AND FUNDERS
Town of Sandwich, Cape Cod National Seashore, USDA, NRCSS, Cape Cod Regional Planning Commission, Town of Sandwich, Sandwich Harbor Water District, Sandwich Harbor Water District, Sandwich Harbor Water District, Sandwich Harbor Water District.

YOU ARE HERE

QR CODE



Looking Downstream



Looking Upstream





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