



Upstream salt marsh at Eastern Point



Seawater breaches the barrier beach flooding into the marsh during a winter storm

Restoring tidal flow and salinity is believed to be crucial in curbing the spread of invasive plants such as *Phragmites* as well as encouraging the regrowth of salt marsh vegetation such as salt marsh hay (*Spartina patens*), spike grass (*Distichlis spicata*) and black grass (*Juncus gerardii*). Furthermore, restoring the tidal flow will restore important fish breeding habitat as well as enhance habitat for migratory birds.

This project represents one of the first projects associated with a citywide effort by the town of Gloucester to restore local wetlands and waterways. One of the first towns in Massachusetts to undertake a citywide aquatic restoration plan, Gloucester has been very proactive in promoting the protection of their aquatic resources through restoration, stewardship and education. Numerous offices and departments are actively engaged in the restoration process including the Gloucester Department of Public Works, Department of Community Development, Department of Shellfish, the Board of Health, St. Mel's Day School, the office of the Mayor and the Conservation Commission.

In addition to the NOAA Community-based Restoration Program and the Massachusetts Audubon Society, many other organizations have supported efforts to restore tidal flow at Eastern Point including the Massachusetts Wetland Restoration Program, FishAmerica Foundation, National Resource Conservation Service, Massachusetts Corporate Wetlands Partnership (Judith Nitsch Engineering Inc.), Ocean Trust and the Salem Sound Coastwatch/Massachusetts Bays Program.

The NOAA Community-based Restoration Program seeks to involve communities in the restoration of marine and estuarine habitat. Partnerships with Federal agencies, states and local governments, non-governmental and non-profit organizations, businesses, industry and schools have assisted over 700 projects nationally including 49 within the Gulf of Maine to restore coastal habitat. The NOAA Community-based Restoration Program and its partners provide funding and expertise to projects that promote coastal stewardship and a conservation ethic. Through partnerships, the Community-based Restoration Program has been able to leverage \$3-\$5 on average for every NOAA dollar invested.

For additional information, contact:

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Existing culvert