

Monitoring Programs, Brief Overview

AGENCY Barrington Land Conservation Trust

PROGRAM Diamondback Terrepian Population Study
PURPOSE Establish population information for the Barrington area, and to preserve breeding habitat for the Diamondback Terrepian

AGENCY Brown University

PROGRAM Barrington & Palmer Rivers Monitoring
PURPOSE Monitor physical parameters on a continuous basis

AGENCY Committee For the Great Salt Pond

PROGRAM Summer on the Water Program
PURPOSE Primarily education, with some identification of "hot spots"

AGENCY Depart of Nat. Rscs Scnce, URI AES

PROGRAM Water-table Activity in forested wetlands in sthrn RI
PURPOSE Elucidate the influence of wate regime on vegetation structure and floristic composition, tree growth, and microrelief in red maple (*Acer rubrum*) swamps and Atlantic white cedar (*C. thyoides*) swamps.

AGENCY Dept. of Defense, U.S. Navy

PROGRAM Superfund
PURPOSE Hazardous waste site clean-up and remediation

AGENCY EPA-AED

PROGRAM Aircraft remote sensing for Chlorophyll-a
PURPOSE Develop indicators for nutrient loading for northeast coastal systems.

PROGRAM Amphipod Population Study
PURPOSE Determine field demographics for the estuarine amphipod *Ampelisca abdita*

AGENCY Jamestown Land Trust

PROGRAM Jamestown Bird Survey
PURPOSE Inventory the avian species that breed on and migrate through Jamestown, Rhode Island.

PROGRAM Jamestown Land Trust
PURPOSE Inventoring the birds of Jamestown

AGENCY Massachusetts Audubon Society

PROGRAM Smithfield HS/Blackstone Rv Watershed Education Project
PURPOSE To conduct biological tests on the Blackstone and Woonasquatucket Rivers.

AGENCY Moses Brown and Wheeler Schools

PROGRAM Moshassuck River Monitors
PURPOSE Educational primarily

AGENCY Multi Agency/Institution Effort Coord. by NBEP

PROGRAM Volunteer DO Night Survey
PURPOSE To measure overnight decreases in DO across upper half of Narr. Bay during neap tides

AGENCY National Audubon Soc. & Cornell Lab of Ornithology

PROGRAM Bird Source
PURPOSE To promote conservation and environmental science, and to develop a long-term record of bird populations in North America

AGENCY National Park Service

PROGRAM Blackstone Valley National Heritage Corridor
PURPOSE Primarily educational, operated through Woonsocket High School

PROGRAM Blackstone Valley National Heritage Corridor
PURPOSE Educational

AGENCY NBC

PROGRAM Providence River Sampling
PURPOSE to assess the water quality of the Providence River

PROGRAM Regional River Fecal Monitoring
PURPOSE To assess status of rivers that are effected by the NBC's wastewater systems in relation to bacterial contamination

PROGRAM Seekonk River Monitoring
PURPOSE To assess water quality of the Seekonk River

PROGRAM Ten Mile River Sampling
PURPOSE To assess the water quality status of the Ten Mile River

AGENCY NMFS S/K; CMER; RI Sea Grant

PROGRAM Lobster Tagging Program
PURPOSE Acquire information on growth, egg extrusion, shell disease, migration & survival for American lobster.

AGENCY NOAA

PROGRAM The National Status and Trends Program
PURPOSE Determine the status and trends in environmental quality of the Nations estuarine and coastal waters.

AGENCY NOAA/NMFS

PROGRAM NOAA Restoration Center Programs
PURPOSE Provides damage assessment and restoration projects for ecosystems impacted by oil spills and contaminant releases (e.g. North Cape oil spill, lobster and shell fish restoration)

AGENCY NOAA/NMFS , EPA, RIDEM, URI

PROGRAM Narragansett Bay Window
PURPOSE Monitoring in support of coastal resource management- enhance fish stock assessment, recreational use of Bay, improve commercial fish catch.

AGENCY NOAA/RIDEM

PROGRAM National Estuarine Reserve System: Narragansett Bay, RI
PURPOSE Long term monitoring of Estuarine water quality and related bio-indicators. 26 estuaries throughout the nation participate in this program

AGENCY Norman Bird Sanctuary

PROGRAM Norman Bird Sanctuary
PURPOSE Educational - Amphibian monitoring; for management purposes - grassland avian nesting species; for marshland restoration - marshland survey,

AGENCY Pawtuxet River Authority

PROGRAM Pawtuxet River Authority
PURPOSE Environmental education, and to measure water quality for watershed management and health.

AGENCY Pine Point School

PROGRAM Pine Point School, Oceanology Program
PURPOSE 1. To involve students in monitoring local estuaries, 2. To engage students in real-world science, 3. To have the students' efforts contribute to the overall body of data that is available to other organizations and agencies, and 4. To give students an understanding of field experiences and the follow-up lab work with analysis of the data

AGENCY Pokanoket Watershed Alliance

PROGRAM Runnins River Monitoring
PURPOSE To assess conditions in the lower Runnins River and Hundred Acre Cove

PROGRAM Runnins River Task Force
PURPOSE To identify and mitigate sources of bacterial contamination to the Runnins

AGENCY Providence Plan

PROGRAM Woonasquatucket River Greenway
PURPOSE Environmental education

AGENCY Prudence Island Conservancy and NBNERR

PROGRAM Prudence Island Conservancy Citizens Monitoring Program
PURPOSE Develop baseline data and water quality trends on Prudence Island.

AGENCY Ray Vincent

PROGRAM Rhode Island Bristol County Observer Network (RIBCON)
PURPOSE Measure and record weather data of local weather patterns in Rhode Island and Bristol County, Massachusetts

PROGRAM RIBCON - Rhode Island Bristol County Network
PURPOSE Develop baseline data of local weather patterns in Rhode Island and Bristol County, Massachusetts

AGENCY Raytheon Corporation

PROGRAM Raytheon Employees Wildlife Habitat Committee
PURPOSE To develop a comprehensive habitat management plan for Raytheon's Portsmouth campus, with special emphasis on increasing biodiversity and enhancing and maintaining native species.

AGENCY Rhode Island Surfrider Foundation

PROGRAM Blue Water Task Force Beachscape
PURPOSE To assess water quality along Rhode Island's coastal beaches and surfing

AGENCY RI Ag. Exp. Station

PROGRAM RI statewide land cover change: 1972-2002; Forest loss
PURPOSE Quantify land cover changes & impact of disturbance on forest ecosystems & nat rscs. Multiple model validated & employed to reveal sprawl patrnrs. Produce land cover maps for 1972, 1985, & 2002 frm landsat data. Identify change patterns and maps of land use and land cover.

AGENCY RI DEM, Fish & Wildlife

PROGRAM Shellfish disease survey, state of RI
PURPOSE Survey presence of diseases in wild & cultured oysters & quohogs in RI

AGENCY RI Sea Grant

PROGRAM Impacts of Ctenophore M leidyi on ichthyoplkntr
PURPOSE Determine abundance and seasonal distribution of the ctenophore M. leidyi in Narr Bay in relation to bay water temperature & the abundance and distribution of larval fish & other zooplankton.

AGENCY RI Sea Grant, Brown Univ.

PROGRAM Assessing Status of Narr Bay Saltmarsh Plnt Cmmunities
PURPOSE Dvlp a baseline assessment of RI saltmarshes and how eutrophication impacts them. Initiate a long-term monitoring program to enable detection of impacts of exotic spp. Invasions & sea-level change.

AGENCY RI Sea Grant, RI DEM

PROGRAM Lobster Larval Settlement Index
PURPOSE Determine whether a larval settlement index will be useful as a predictor of population trends in the American lobster fishery

AGENCY RI Sea Grant/CMER

PROGRAM Lobster shell disease program
PURPOSE Monitor shell condition of lobsters in Dutch Harbor, Narr Bay as part of ongoing artificial reef project.

AGENCY RI Sea Grant; RI CRMC; RI DEM; RI Nat History srvy

PROGRAM Narr Bay Rapid Assess. Survey fr Mrne bioinvasive spp
PURPOSE Catalogue mrne bioinvasive spp in RI coastal waters

AGENCY RIDEM

PROGRAM	Adult American Shad and River Herring Monitoring
PURPOSE	to assess the abundance of adult shad and herring in RI
PROGRAM	Air Quality Monitoring
PURPOSE	to monitor air quality to assure standards are met, to be able to predict conc.of air pollutants and to evaluate trends and progress from
PROGRAM	Aquatic Furbearer Survey
PURPOSE	to assess the population of aquatic furbearers
PROGRAM	Artificial Substrate Monitoring
PURPOSE	Biological data used to supplement physical and chemical WQ data to identify long term trends in WQ which reflect water pollution abatement
PROGRAM	Biotoxin Shellfish Poisoning Sampling
PURPOSE	To assure shellfish in shellfish growing areas are free of biotoxins
PROGRAM	Bird Species Breeding Monitoring
PURPOSE	to determine breeding status of colony, nesting , shore and wading birds
PROGRAM	Chemical Baseline Monitoring
PURPOSE	To develop a baseline profile of water quality in the state
PROGRAM	Fin Fish Monitoring Coastal Ponds
PURPOSE	to assess finfish fishery in coastal ponds
PROGRAM	Gill Net Monitoring Program
PURPOSE	To assess pelagic gamefish for fisheries management
PROGRAM	Juvenile American Shad And river Herring Monitoring
PURPOSE	to assess the juvenile herring and shad population that are migrating downstream
PROGRAM	Juvenile Fin Fish Survey
PURPOSE	to assess populaion of recreationally and commercially important fin fish

PROGRAM Largemouth Bass Monitoring
PURPOSE to determine frequency and growth rates of large mouth bass in RI ponds

PROGRAM Lobster Fishery Monitoring
PURPOSE to assess the lobster fishery in Narr. Bay

PROGRAM Rapid Bioassessment Protocol Monitoring
PURPOSE To compare habitat (physical structure and flow regime) and biological measures with reference site conditions to determine support or non support of water quality aquatic life designated uses

PROGRAM RI Pollution Discharge Elimination System Monitoring
PURPOSE to monitor point sources of wastewater into RI surface waters

PROGRAM Shellfish Growing Area Monitoring
PURPOSE To allow RI to participate in the harvesting, sales, transportation and processing of shellfish in accordance with NSSP requirements to protect

PROGRAM Shellfish Monitoring Program Shoreline Surveys
PURPOSE To locate actual and potential bacterial sources to shellfish growing areas

PROGRAM Summer Inland Breeding Survey of Canadian Geese
PURPOSE to assess population of breeding canadian geese

PROGRAM Upland Game Species Monitoring
PURPOSE to assess population of upland game species

PROGRAM Waterfowl Survey
PURPOSE to count waterfowl

AGENCY RIDOH

PROGRAM Beach Monitoring Program
PURPOSE To monitor beach water quality for the protection of human health

PROGRAM Drinking Water Monitoring
PURPOSE To assess quality of drinking water for protection of human health

AGENCY Salt Ponds Coalition

PROGRAM Salt Pond Watchers
PURPOSE Develop a data base of surface water quality in the seven coastal lagoons in the Salt Ponds Watershed.

AGENCY Save The Bay

PROGRAM Bay Watchers
PURPOSE Assessing the health of salt marshes, evaluating restoration potential, ground-truthing aerial habitat surveys, and monitoring herring runs. Also to conduct surveys of how people are using the urban rivers and waterfront to advocate for better management of urban waters.

PROGRAM Save The Bay's Monitoring
PURPOSE Assessing the health of salt marshes, pre/post restoration monitoring, ground-truthing aerial habitat surveys, eel grass restoration monitoring.

AGENCY The Audubon Society of Rhode Island

PROGRAM RI Audubon Bird a Thon
PURPOSE To inventory the avian species that breed in, and migrate through RI, to promote conservation of habitat

AGENCY The Nature Conservancy - RI Chapter

PROGRAM Rhode Island Odonata Atlas
PURPOSE To identify and record the Odonata species found in Rhode Island

AGENCY U.S. EPA in partnership with the coastal states

PROGRAM Coastal 2000/EMAP
PURPOSE To assess the ecological condition of coastal resources using a probability based monitoring design. Conducted in partnership with the 24 coastal

AGENCY URI

PROGRAM Bird monitoring @ Galilee Bird Sanctuary
PURPOSE Monitor changes in avian community composition following restoration of a saltmarsh.

PROGRAM Monitoring pond breeding amphibians in RI
PURPOSE Monitor species composition & population dynamics of pond-breeding amphibian at a single site; focused on 2 species.

AGENCY URI & RI Audubon Society

PROGRAM Kingston Wildlife Research Station
PURPOSE Monitor fall migration of migratory birds

AGENCY URI Cooperative Extension

PROGRAM University Of Rhode Island Watershed Watch
PURPOSE To Educate the public, promote active citizenship participation, obtain multi-year surface water quality data, and encourage information-based water quality programs.

AGENCY URI Depart of Geoscnces, RI Sea Grant, RI CRMC

PROGRAM Long-term beach profile monitoring
PURPOSE Create a record that has the temporal resolution to identify erosional and depositional patterns that occur on monthly, seasonal, & multiyear cycles.

AGENCY URI Depart of Nat Rsce Scnce, RI DEM

PROGRAM Salt marsh restoration monitoring at Galilee Bird Sanct
PURPOSE Assess the effect of re-establishment of full tidal flow on biotic & abiotic components of the GBS coastal ecosystem & to gauge restoration success.

AGENCY URI Grad Schl of Oceanography, NOAA, Narr Bay Comm

PROGRAM A Monitoring Network for Narr Bay Waters
PURPOSE Provide water quality time series for research and management

AGENCY URI Grad School of Oceanography

PROGRAM Benthic Infauna in Narr Bay
PURPOSE Observe long-term changes in the depositional benthic community of Narragansett Bay

PROGRAM Quonochontaug Pond Fllwshp/Salt Pond Rsch Fllwshp
PURPOSE Conduct baseline & monitoring studies of pollution in Ninigret, Quonochontaug, & Winnapaug Ponds

PROGRAM Quonochontaug Pond Fllwshp/Salt Pond Rsch Fllwshp
PURPOSE Conduct baseline & monitoring studies of circulation in Ninigret, Quonochontaug, & Winnapaug Ponds

PROGRAM Quonochontaug Pond Fllwshp/Salt Pond Rsch Fllwshp
PURPOSE Conduct baseline & monitoring studies of habitat in Ninigret, Quonochontaug, & Winnapaug Ponds

PROGRAM Water Column Nutrients
PURPOSE Observe long-term changes in chlorophyll, ammonia, nitrite, nitrate, phosphate, & silicate.

AGENCY URI-GSO

PROGRAM Narraganstt Bay Phytoplankton
PURPOSE Weekly monitoring of phytoplankton diversity in Narra. Bay at 1 station near Fox Island

AGENCY US EPA

PROGRAM EMAP Estuaries Virginian Province
PURPOSE Monitor the status and trends of nations ecological resources on a regional basis. Seek associations among selected indicators of stress and indicators of ecological condition. Provide periodic assessments of nations ecological resources.

AGENCY US Fish & Wildlife, URI

PROGRAM Monitoring avian productivity & survivorship
PURPOSE Monitor species composition & population dynamics of breeding birds

AGENCY USACE, New England District

PROGRAM DAMOS
PURPOSE Disposal Area Monitoring System -monitors the environmental condition of open water dredged material disposal sites and adjacent areas from L.I. Sound to Maine.

AGENCY USDA/APHIS

PROGRAM Cooperative Agricultural Pest Survey (CAPS)
PURPOSE Detect introduced or exotic invasive species-plants,insects,inverts,pathogens,etc.

AGENCY USGS

PROGRAM National Water Quality Assessment Program (NAWQA)
PURPOSE Assess status and trends in quality of Nations ground and surface water resources and understand natural and human factors that affect the quality of these resources.

AGENCY WHOI Sea Grant

PROGRAM Intertidal Crabs on Rocky Shores
PURPOSE To follow temporal trends in abundance (densities) of the Asian Shore Crab *H. sanguineus* & other crab spp, primarily mud crabs in family Xanthidae & green crabs (*C. maenas*)

AGENCY Wood Pawcatuck Watershed Association

PROGRAM Pawcatuck Watershed Monitoring
PURPOSE To track water quality changes and educate the public.
