

Monitoring Programs by Institution

INSTITUTION **Barrington Land Conservation Trust**

PROGRAM Daimonback Terripan Population Study
PURPOSE Establish population information for the Barrington area, and to preserve breeding habitat for the Diamondback Terripan
SYSTEM Fauna
INTERVAL Spring breeding season
DATES 1990 to present
DATA_FORMAT Digital Spreadsheet
QUALITY_CONTROL
ACCESS Contact Charlotte Sornborger
URL
PARAMETERS_MEASURED Diamondback terripan (mark and recapture)
LOCATIONS Barrington
NOTES

CONTACT

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INSTITUTION **Brown University**

PROGRAM Barrington & Palmer Rivers Monitoring
PURPOSE Monitor physical parameters on a continuous basis
SYSTEM Water
INTERVAL Every 15 min.
DATES 1996 to present
DATA_FORMAT
QUALITY_CONTROL Automated sampling; std calibration
ACCESS Avai. upon request
URL
PARAMETERS_MEASURED Salinity, depth, temperature Seabird SeaCat 19s
LOCATIONS Barr River: North of Rte 114 bridge Palmer River: South of 114 bridge
NOTES Data still being processed as of spring 2001

CONTACT

Dr. Warren Prell
Brown University
Depart. Of Geosciences
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Providence, RI 02912
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warren_prell@brown.edu

INSTITUTION **Committee For the Great Salt Pond**

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

SYSTEM Water, Fauna
INTERVAL 3 times weekly during summer months
DATES 1991 to present

DATA_FORMAT Analog Report

QUALITY_CONTROL

ACCESS Contact Henry duPont

URL <http://blockisland.com/saltpond>

PARAMETERS_MEASURED Water clarity (Secchi), DO (La Motte kit), bird counts (observational), chemical parameters (kits), benthic fauna (observational from lobster trap catches)

LOCATIONS Sites within the Great Salt Pond, Block Island

NOTES Data tends to be sporadic in nature, the parameters monitored tend to vary according to the professional background of the individuals running the program from summer to summer.

CONTACT

Henry duPont
Committee for the Great Salt Pond
283 Ocean Avenue

New Shoreham, RI 02888
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Fax

INSTITUTION **Depart of Nat. Resources Science, URI AES**

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

SYSTEM Flora
INTERVAL Every 3 weeks between mid-April & mid-December
DATES Apr 1976-Dec 1982

DATA_FORMAT Analog Data Sheet

QUALITY_CONTROL N/A

ACCESS

URL

PARAMETERS_MEASURED Position of groundwater table or surface water level with respect to ground surface (graduated measuring rod inserted into shallow [1.5 m] wells).

LOCATIONS 12 swamps in Washington County; towns included Charlestown, Hopkinton, N. Kingstown, Richmond, & S. Kingstown

NOTES

CONTACT

Dr. Frank Golet
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108 Coastal Institute in Kingston

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INSTITUTION **Dept. of Defense, U.S. Navy**

PROGRAM Superfund
PURPOSE Hazardous waste site clean-up and remediation
SYSTEM Land
INTERVAL quarterly sampling
DATES on going
DATA_FORMAT Analog Report
QUALITY_CONTROL SF QA/QC protocols
ACCESS quarterly reports available to public

URL

PARAMETERS_MEASURED Groundwater (contaminants), landfill gases.

LOCATIONS McAlister Point Landfill, Newport, RI; Davisville -

NOTES Superfund monitoring at McAlister Point Landfill and Davisville Landfill. There is also some superfund activity taking place along sections of the Woonasquatucket River.

CONTACT

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keckler.kyMBERLEE@epa.gov

INSTITUTION **EPA-AED**

PROGRAM Aircraft Remote Sensing for Chlorophyll-a
PURPOSE Develop indicators for nutrient loading for northeast coastal systems.
SYSTEM Water, Flora
INTERVAL Bi-weekly
DATES 2000-2005
DATA_FORMAT Digital Database
QUALITY_CONTROL yes
ACCESS data will be accessible to public

URL

PARAMETERS_MEASURED solar radiance, and irradiance, chlorophyll-a, suspended solids, temperature, salinity

LOCATIONS Narragansett Bay and coastal waters

NOTES New AED research program - anticipated start-up: Fall 2001.

CONTACT

Darryl Keith
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keith.darryl@epa.gov

INSTITUTION **EPA-AED**

PROGRAM Amphipod Population Study
PURPOSE Determine field demographics for the estuarine amphipod
 Ampelisca abdita
SYSTEM Fauna
INTERVAL Bi-weekly
DATES 1996-2000
DATA_FORMAT Analog Report
QUALITY_CONTROL Yes
ACCESS Contact PI (Ann Kuhn-Hines)
URL
PARAMETERS_MEASURED Abundance, length frequency, sex ratio,biomass, and reproductive state.
LOCATIONS Narrow River
NOTES AED research project.

CONTACT
Ann Kuhn-Hines
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INSTITUTION **Jamestown Land Trust**

PROGRAM Jamestown Bird Survey
PURPOSE Inventory the avian species that breed on and migrate through
 Jamestown, Rhode Island.
SYSTEM Fauna
INTERVAL Varies
DATES ~ 1985
DATA_FORMAT
QUALITY_CONTROL
ACCESS Contact Candy Powell
URL
PARAMETERS_MEASURED Avian species (observation)
LOCATIONS Jamestown
NOTES This entry is incomplete, and may contain errors. It will be updated as direct contact is made with the
 program coordinator.

CONTACT
Candy Powell
Jamestown Land Trust
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Jamestown, RI 02832
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Fax
.

INSTITUTION **Lab for Terr Remote Sensing / 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 pattns. Produce land cover maps for 1972, 1985, & 2002 frm landsat data. Identify change patterns and maps of land use and land cover.

SYSTEM Land

INTERVAL 10-15 yrs; 30 m spatial resolution;

DATES 2000-2003

DATA_FORMAT Digital GIS Coverage

QUALITY_CONTROL Groundtruthing & thematic accuracy assessment

ACCESS

URL www.ltrs.uri.edu

PARAMETERS_MEASURED Land cover types following USGS clsification system; visible light to thermal portion of electromag spectrum

LOCATIONS Statewide

NOTES

CONTACT

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yqwang@uri.edu

INSTITUTION **Massachusetts Audubon Society**

PROGRAM Smithfield HS/Blackstone Rv Watershed Education Project

PURPOSE To conduct biological tests on the Blackstone and Woonasquatucket Rivers.

SYSTEM Water

INTERVAL At least 3 times during the academic year

DATES 1992 to present

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL

ACCESS Contact Donna Williams

URL

PARAMETERS_MEASURED Water Temperature (thermometer), DO (Hach Kit) pH (Hach Kits), BOD (Hach kit), Turbidity, Nitrogen Phosphorus

LOCATIONS Blackstone and Woonasquatucket Rivers

NOTES This Mass Audubon program coordinates monitoring conducted by high school students at Smithfield High School (contact Holly Martin, phone 401-949-2050) and Tolman High School in Pawtucket (contact Julie Goulet, phone 401-729-6400).

CONTACT

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Massachusetts Audubon
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Worcester, MA 01604
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Fax
dwilliams@massaudubon.org

INSTITUTION Moses Brown and Wheeler Schools

PROGRAM Moshassuck River Monitors

PURPOSE Educational primarily

SYSTEM Water

INTERVAL Four times a year

DATES 1997 to present

DATA_FORMAT

QUALITY_CONTROL

ACCESS Contact Rob Brown

URL

PARAMETERS_MEASURED Temperature, pH, Dissolved Oxygen, BOD, Nitrogen, Phosphorus, and Flow

LOCATIONS Mosshasuck River

NOTES

CONTACT

Rob Brown

Wheeler School

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RBrownCHOP@aol.com

INSTITUTION Multi Agency/Institution Effort Coord. by NBEP

PROGRAM Volunteer DO Night Survey

PURPOSE To measure (Midnight to 7:00am) decreases in DO across upper half of Narr. Bay during neap tides

SYSTEM Water

INTERVAL 2 - 3 X / Summer

DATES 1999 to 2003

DATA_FORMAT Digital Database

QUALITY_CONTROL YSI recommended QA/QC data is reviewed by 3 people

ACCESS Not currently available

URL

PARAMETERS_MEASURED DO, depth, temperature, salinity by meter and location by GPS

LOCATIONS Sites sampled 4 times per month from June to August - 1999 to 2003 across upper half of Narragansett Bay

NOTES Data to be available as Excell based vertical profile data in Winter 2004. Funds nt available to do GIS mapping of all surveys.

CONTACT

Christopher Deacutis

RIDEM

RI Narr. Bay Estuary Program

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INSTITUTION **Narragansett Bay Commission**

PROGRAM ADCP Monitoring
PURPOSE To assess the water quality of the Providence and Seekonk Rivers through metals and nutrient sampling and analysis
SYSTEM Water
INTERVAL Four seasonal surveys, one day each season
DATES 2001-2002
DATA_FORMAT Digital Database
QUALITY_CONTROL QA/QC Protocol and Standard Methods
ACCESS Available upon request
URL <http://www.narrabay.com/>

PARAMETERS_MEASURED Depth, Tide, Salinity, Chlorophyll, Silicon Oxide, Total Suspended Solids, Dissolved Organic Carbon, Particulate Carbon, Ammonia, Nitrate, Nitrite, Total Nitrogen, Particulate Nitrogen, Phosphate, Total Recoverable and Dissolved Cadmium, Copper, Lead, Nickel and Silver.

LOCATIONS Five transects running east-west across the Providence River and eight transects across the Seekonk River, with one to four sample locations along each transect depending upon the width of the river.

NOTES Ultra-low level dissolved and total metals analysis done by Microinorganics, Inc. and nutrients and chlorophyll analysis done by the MERL lab at the University of Rhode Island, Graduate School of Oceanography

CONTACT

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INSTITUTION **Narragansett Bay Commission**

PROGRAM Providence and Seekonk River Sampling
PURPOSE To assess the water quality of the Providence and Seekonk Rivers for Fecal Coliform
SYSTEM Water
INTERVAL Every two weeks from May to October
DATES 2003 to present
DATA_FORMAT Digital Database
QUALITY_CONTROL QA/QC Protocol and Standard Methods
ACCESS Available upon request
URL

PARAMETERS_MEASURED Fecal Coliform, Temperature, Salinity

LOCATIONS 19 locations from the uppermost part of the Seekonk River to Conimicut Point in the Providence River

NOTES

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INSTITUTION [Narragansett Bay Commission](#)

PROGRAM Providence River Fixed Site Continuous Water Quality Monitoring

PURPOSE To assess the water quality of the Providence River for Temperature, Salinity, Dissolved Oxygen, pH, Chlorophyll, Fluorescence and Turbidity on a continuous basis

SYSTEM Water

INTERVAL Every 15 minutes, 2001 to present spring to late fall

DATES 2001 to present

DATA_FORMAT Digital Database

QUALITY_CONTROL QA/QC Protocol and Standard Methods

ACCESS available upon request

URL <http://www.narrabay.com/empact/>

PARAMETERS_MEASURED Temperature, Salinity, Dissolved Oxygen, pH, Chlorophyll and Turbidity

LOCATIONS A buoy site in the Providence River between Gaspee Point and Conimicut Point

NOTES

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INSTITUTION [Narragansett Bay Commission](#)

PROGRAM Regional River Fecal Monitoring

PURPOSE To assess status of rivers that are affected by the NBC's wastewater systems in relation to bacterial contamination

SYSTEM Water

INTERVAL Weekly

DATES 1998 to present

DATA_FORMAT Digital Database

QUALITY_CONTROL QA/QC Protocol and Standard Methods

ACCESS Available on request

URL <http://www.narrabay.com/>

PARAMETERS_MEASURED Fecal Coliform

LOCATIONS 21 stations on the Moshassuck, Blackstone, Woonasquatucket, West and Providence Rivers

NOTES NBC has been conducting sampling and monitoring since 1998. For ten years prior to 1998, ESS was responsible for sampling and analysis.

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INSTITUTION **Narragansett Bay Commission**

PROGRAM Seekonk River Fixed Site Continuous Water Quality Monitoring

PURPOSE To assess the water quality of the Seekonk River for Temperature, Salinity, Dissolved Oxygen, pH, Chlorophyll, Fluorescence and Turbidity on a continuous basis

SYSTEM Water

INTERVAL Every 10 minutes, 2001 to present spring to late fall

DATES 2001 to present

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL QA/QC Protocol and Standard Methods

ACCESS Available on Request

URL <http://www.narrabay.com/empact/>

PARAMETERS_MEASURED Temperature, Salinity, Dissolved Oxygen, pH, Chlorophyll and Fluorescence

LOCATIONS A dock site in the Seekonk River, located at Phillipsdale Landing along the east bank of the Seekonk River half-way between Bucklin Point and Greenwood Point

NOTES**CONTACT**

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INSTITUTION **Narragansett Bay Commission**

PROGRAM Woonasquatucket River Wet Weather Monitoring

PURPOSE To assess the water quality in the lower Woonasquatucket River for Fecal Coliform concentrations, dissolved trace metal impairment, total suspended solids (TSS), and water hardness during specific phases of wet weather events

SYSTEM Water

INTERVAL Before, during, and after storm events

DATES September 20,21 2001 and August 29,30 2002

DATA_FORMAT Digital Database

QUALITY_CONTROL QAPP designed by NBC, approved by EPA

ACCESS Available on request

URL <http://www.narrabay.com/>

PARAMETERS_MEASURED Dissolved metals: Cadmium, Copper, Lead, Silver, Zinc, TSS, Hardness (equivalent to CaCO₃/L) and Fecal Coliform

LOCATIONS 5 stations on the Woonasquatucket River

NOTES Interval: 5 collections made pre-, during and post-storm at each station using autosampler for trace metals, TSS and hardness. 3 collections made before and during the wet weather event for fecal coliform. QC/QA: The Quality Assurance Project Plan (QAPP) was completed by the NBC, and approved after review by US-EPA Region 1
Notes: Trace metals and TSS analysis done by Microinorganics, Inc. and Fecal Coliform analysis done by the NBC laboratory

CONTACT

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INSTITUTION **National Park Service**

PROGRAM Blackstone Valley National Heritage Corridor

PURPOSE Educational

SYSTEM Misc

INTERVAL Varies

DATES

DATA_FORMAT

QUALITY_CONTROL

ACCESS Contact program coordinator

URL <http://www.nps.gov/blac/home.htm>

PARAMETERS_MEASURED Vary according to project

LOCATIONS Blackstone River Valley sites

NOTES

CONTACT

Dan Meharg
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Heritage Corridor
One Depot Square

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Dan_Meharg@nps.gov

INSTITUTION **National Park Service**

PROGRAM Blackstone Valley National Heritage Corridor

PURPOSE Primarily educational, operated through Woonsocket High School

SYSTEM Water

INTERVAL 3 days weekly during school year

DATES ~1998

DATA_FORMAT

QUALITY_CONTROL

ACCESS Contact Dan Meharg

URL <http://www.nps.gov/blac/home.htm>

PARAMETERS_MEASURED Water quality

LOCATIONS 3 Blackstone River Valley sites

NOTES

CONTACT

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INSTITUTION **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.

SYSTEM Fauna

INTERVAL Daily, as encountered

DATES 1994-2003

DATA_FORMAT Digital GIS Coverage

QUALITY_CONTROL Training wkshops,

ACCESS Available

URL None

PARAMETERS_MEASURED Tag/recapture using number floy anchor tags. Condition & carapace size recorded.

LOCATIONS Narr Bay, RI Sound, BL Sound, Offshore Canyon

NOTES Merges several programs: N Cape Lobster Restoration monitoring (2001-2003), RI Lobstermen's Assoc. Tagging Prgm. (1999-2001); URI Tagging Program (1994-1999). Data also avai in Excel spreadsheets. Commercial lobstermen responsible for sampling

CONTACT

Kathleen Castro
Fisheries Center, URI
East Farm

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INSTITUTION **NOAA**

PROGRAM Physical Oceanographic Real Time System (PORTS)

PURPOSE Measurement and dissemination of real-time data on water levels, tides, wind and other oceanographic data

SYSTEM Water

INTERVAL real-time

DATES

DATA_FORMAT Digital Database

QUALITY_CONTROL

ACCESS Available on line

URL co-ops.nos.noaa.gov/nbports

PARAMETERS_MEASURED Water level, currents, wind speed and direction, air temp, water temp, air pressure, salinity

LOCATIONS Providence, Conimicut Light, Fall River, Newport, Quonset Point

NOTES

CONTACT

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NOAA Co-ops
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Silver Spring, MD 20910
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INSTITUTION **NOAA**

PROGRAM The National Status and Trends Program

PURPOSE Determine the status and trends in environmental quality of the Nations estuarine and coastal waters.

SYSTEM Water, Fauna

INTERVAL Bi-annual

DATES 1984- on-going

DATA_FORMAT Digital Database

QUALITY_CONTROL QA/QC protocols in place

ACCESS public access- world wide web

URL <http://ccmaserver.nos.noaa.gov/NSandT>

PARAMETERS_MEASURED Sediment chemistry:PAHs, PCBs, pesticides,toxic elements,clostridium perfringens spores,TOC, grain size Fish: liver-pcbs,pesticides,trace elements, Bile-fluorescent aromatic compounds, stomach-pcbs,pesticides,toxic elements,PAHs, Fish- biologyage,length, gross pathology,liver anf kidney leisons, stomach content taxonomy.

LOCATIONS Mt.Hope Bay,Prudence Island, Dyer Island, Dutch island, Patience Island, Conanicut Island

NOTES The NS&T program is comprised of 7 components: Mussel Watch, Benthic Surveillance, Bioeffects Survey, Historial Trends, Coastal Contamination Assessment, Quality Assurance, and Specimen Banking.

CONTACT

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INSTITUTION **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)

SYSTEM Fauna

INTERVAL variable

DATES 2000-2004

DATA_FORMAT Analog Report

QUALITY_CONTROL unknown

ACCESS Limited

URL <http://www.nmfs.noaa.gov/habitat/restoration>

PARAMETERS_MEASURED Population dynamics for commercial marine resources (lobsters,bay csallops,oysters,finfish)

LOCATIONS RI coastal waters (offshore and salt ponds)

NOTES Cuurrently three restoration projects on-going in RI Lobster restoration (North Cape Oil Spill), Bay scallop and oyster restoration (Salt Ponds), Anadromous fish tagging. (Alewife, bluebck herring)

CONTACT

Jim Turek
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Tarzwell Drive

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james.g.turek.noaa.gov

INSTITUTION **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.

SYSTEM Water, Fauna, Flora

INTERVAL Monthly - Trawled array; Continuous-fixed array

DATES 1998- on-going

DATA_FORMAT Digital Database

QUALITY_CONTROL QA/QC protocols in place

ACCESS Public acces-World Wide Web

URL www.narrbay.org

PARAMETERS_MEASURED CTD, Fluorometer, DO, PAR, optical plankton counter, continuous plankton recorder (Nu Shuttle), Sediment chemistry, primary productivity, benthic community structure and function.

LOCATIONS Fixed stations in the Bay and Bay transects-70 mile Bay circuit.

NOTES This program is a true collaboration between Federal Agencies (NOAA/NMFS, EPA), RIDEM, URI, Sea Grant, Narragansett Bay Estuary Program, National Estuarine Research Reserve, Roger Williams College, and Brown University.

CONTACT

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mberman@mola.na.nmfs.gov

INSTITUTION **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

SYSTEM Water

INTERVAL Continuous at 30 minute intervals.

DATES 1980- on-going

DATA_FORMAT Digital Database

QUALITY_CONTROL QA/QC protocols in place

ACCESS Public access -world wide web

URL <http://www.ocrm.nos.noaa.gov/nerr/reserves/nernarragansett>

PARAMETERS_MEASURED Water quality measurements include: temperature, salinity, dissolved oxygen, depth, turbidity, and chlorophyll.

LOCATIONS Potters Cove, T-Warf (Prudence Island)

NOTES DO surveys for Narragansett Bay are also conducted under this program.

CONTACT

Roger Greene
RIDEM
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Prudence Island, RI 02872
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Roger.Greene@dem.ri.gov

INSTITUTION **Norman Bird Sanctuary**

PROGRAM Norman Bird Sanctuary
PURPOSE Educational - Amphibian monitoring; for management purposes - grassland avian nesting species; for marshland restoration - marshland survey,
SYSTEM Fauna
INTERVAL Varies with program
DATES 1995 to present for grassland study
DATA_FORMAT Digital Spreadsheet
QUALITY_CONTROL Varies with program

CONTACT

Veronica Hinds
Norman Bird Sanctuary
583 Third Beach Rd

Middletown, RI 02842
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Fax (401) 846-2772
vhinds@normanbirdsanctuary.org

ACCESS Contact sanctuary

URL <http://www.normanbirdsanctuary.org/home.shtml>

PARAMETERS_MEASURED Vary with types of monitoring efforts

LOCATIONS Various sites on Middletown sanctuary

NOTES One of two sites for Bioblitz 2001 Fall, marshland monitoring starting fall of 2001, grassland avian study has been going on since 1995.

INSTITUTION **Pawtuxet River Authority**

PROGRAM Pawtuxet River Authority
PURPOSE Environmental education, and to measure water quality for watershed management and health.
SYSTEM Water
INTERVAL Monthly-year round
DATES 1994 to present
DATA_FORMAT Digital Spreadsheet
QUALITY_CONTROL
ACCESS Contact Guy Lefebvre
URL <http://www.pawtuxet.org>
PARAMETERS_MEASURED Temperature, pH, DO, flow/water level, hardness.
LOCATIONS 12 Stations along the Pawtuxet River
NOTES

CONTACT

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guylefebvre@pawtuxet.org

INSTITUTION **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

SYSTEM Water, Flora, Fauna

INTERVAL Annual

DATES Fall 1988 - on-going

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL

ACCESS Yes

URL N/A

PARAMETERS_MEASURED Salinity and Temperature are measured at each meter; Dissolved Oxygen is measured at the surface and bottom; Current Speed and direction; Water visibility; Water color; Sediment type; Nutrients = phosphates and nitrates; Coliform colonies; Benthic life = plant and animal; Planktonic Life

LOCATIONS Pawcatuck Estuary; Little Narragansett Bay; Mystic Estuary

NOTES

CONTACT

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INSTITUTION **Pokanoket Watershed Alliance**

PROGRAM Runnins River Monitoring

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

SYSTEM Water

INTERVAL Monthly

DATES 1991 - ongoing

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL 0

ACCESS DEM TMDL program has this data - Heidi Travers

URL

PARAMETERS_MEASURED Bacteria; pH (lab analysis), clarity(Secchi disk); temperature (thermometer)

LOCATIONS Six stations in the lower Runnins River (MA/RI) and Hundred Acre

NOTES

CONTACT

Bruce Tanner

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Phone (401) 433-2908

Fax

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INSTITUTION Pokanoket Watershed Alliance

PROGRAM Runnins River Task Force
PURPOSE To identify and mitigate sources of bacterial contamination to the Runnins River
SYSTEM Water
INTERVAL .
DATES ~1994
DATA_FORMAT
QUALITY_CONTROL
ACCESS
URL
PARAMETERS_MEASURED Fecal coliform
LOCATIONS Multiple sites on the Runnins River
NOTES

CONTACT

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INSTITUTION Providence Plan

PROGRAM Woonasquatucket River Greenway
PURPOSE Environmental education
SYSTEM Water, Fauna
INTERVAL .
DATES Anticipated start was 1998
DATA_FORMAT
QUALITY_CONTROL
ACCESS
URL
PARAMETERS_MEASURED DO, Salinity, habitat assessments
LOCATIONS Woonasquatucket River
NOTES

CONTACT

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INSTITUTION **Prudence Island Conservancy and NBNERR**

PROGRAM Prudence Island Conservancy Citizens Monitoring Program
PURPOSE Develop baseline data and water quality trends on Prudence Island.
SYSTEM Water
INTERVAL Weekly, Year round
DATES 1989 to present
DATA_FORMAT Digital Spreadsheet
QUALITY_CONTROL Standard Methods
ACCESS Contact Dr. Kenny Rapoza
URL N/A

PARAMETERS_MEASURED Air Temperature (weather station), Wind (weather station), Water Temperature (Hydrolab meter), Rainfall (chart recorder), pH (benchtop meters), Dissolved Oxygen (Hydrolab meter and La Motte Kits), water clarity (Secchi), and Salinity (Hydrolab meter).

LOCATIONS Potter Cove and South Prudence T-Warf

NOTES Sea-truthing monitoring program associated with The National Estuary Research Reserve Program (NERR).

CONTACT

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Prudence Conservancy

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Prudence Island, RI 02872
Phone (401) 683-6780
Fax (401) 682-1936
Kenny@gsosun1.gso.uri.edu

INSTITUTION **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
SYSTEM Climate
INTERVAL Daily, year round
DATES 1992 to present
DATA_FORMAT Analog Report
QUALITY_CONTROL Standard
ACCESS Membership in network (\$12 fee)
URL

PARAMETERS_MEASURED Air temperature (thermometer), wind speed/direction (wind vane and anemometer), precipitation (rain gauge, ruler for snow?)

LOCATIONS Throughout RI and Bristol County, MA

NOTES This weather monitoring network produces monthly reports sent to all members of the network (whether you collect data or not). An annual fee of \$12 covers postage and coping costs.

CONTACT

Ray Vincent
RIBCON
13 Kenyon Street

Providence, RI 02930
Phone (401) 421-8382
Fax
.

INSTITUTION**Ray Vincent**

PROGRAM RIBCON - Rhode Island Bristol County Network

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

SYSTEM Climate

INTERVAL daily

DATES ~1990

DATA_FORMAT Analog Report

QUALITY_CONTROL Standard

ACCESS Membership in network (\$11 fee)

URL

PARAMETERS_MEASURED Air temperature (thermometer), wind speed/direction, precipitation (rain gauge, ruler for snow?)

LOCATIONS Throughout RI and Bristol County, MA

NOTES This weather monitoring network produces monthly reports sent to all members of the network (whether you collect data or not). An annual fee of \$11 covers postage and copying costs.

CONTACT

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RIBCON
--

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Fax
.

INSTITUTION**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.

SYSTEM Fauna

INTERVAL Year round

DATES October 1999 to present

DATA_FORMAT Other (Describe in Notes)

QUALITY_CONTROL In consultation with a variety of professional

ACCESS Available on the website

URL <http://rewhc.org/home.shtml>

PARAMETERS_MEASURED Fauna and flora inventories (surveys)

LOCATIONS Multiple sites throughout the Portsmouth campus

NOTES This project is in coordination with Wildlife Habitat Council (Silver Spring, Maryland), which assists corporations with developing comprehensive wildlife management plans for their corporate campuses. Data is available in multiple formats on the web

CONTACT

Elizabeth Ripa
Raytheon Employees Wildlife
Habitat Committee
Rte 138

Portsmouth, RI 02871
Phone (401) 842-2350
Fax
director@rewhc.org

INSTITUTION [Rhode Island Surfrider Foundation](#)

PROGRAM Blue Water Task Force Beachscape

PURPOSE To assess water quality along Rhode Island's coastal beaches and surfing sites

SYSTEM Water

INTERVAL Monthly in summer

DATES 2000 to present

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL Standard methods, published protocols

ACCESS Website, or from URI Watershed Watch

URL <http://www.edc.uri.edu/surfrider/>

PARAMETERS_MEASURED Beachscape (observation), fecal coliform and E. coli (direct enumeration, mTEC), enterococci (direct enumeration, mE)

LOCATIONS Up to 12 sites from Westerly to Newport

NOTES Fecal coliform and enterococci monitoring conducted in conjunction with the URI Watershed Watch Program (uriww@etal.uri.edu)

CONTACT

Gerri Micelli
Rhode Island Surfrider
Foundation
PO Box 43

Narragansett, RI 02882
Phone (401) 874-5054
Fax
gerri@risurfrider.org

INSTITUTION [RI Sea Grant](#)

PROGRAM Impacts of Ctenophore *M. leidyi* on Ichthyoplankton

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.

SYSTEM Fauna

INTERVAL Once per week GSO dock, monthly six other Bay stations

DATES June 1999 to Sept 2002

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL Std protocols for abundance; calibrated temp/sal

ACCESS

URL

PARAMETERS_MEASURED Abundance (#/m³), volume (mls/m³) of *M. leidyi*; abundance (#/m³) of other zooplankton categories (copepods, etc.), water temp, salinity

LOCATIONS GSO Dock; Prov Riv; Ohio ledge; Greenwich Bay; west side of Prudence Island; Wickford Cove; south side of Jamestown bridge

NOTES

CONTACT

Barbara Sullivan
GSO, URI
S. Ferry Rd

Narragansett, RI 02882
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bsull@gso.uri.edu

INSTITUTION [RI Sea Grant, Brown Univ.](#)

PROGRAM Assessing Status of Narr Bay Saltmarsh Plant Communities
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.

SYSTEM Flora

INTERVAL Contact Dr. Bertness for details

DATES 1997-2002

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL

ACCESS

URL

PARAMETERS_MEASURED Tidal heights of plant zonal borders w/ std survey equip. Primary product of all zoanl dominant marsh plants at each site using end of season biomass. Secondary product estimates using fiddler crab, killifish, & marsh snail densities. Contact Dr. Bertness for additional details

LOCATIONS 20-30 Narr Bay Marshes

NOTES Bertness hopes to take seven years of monitoring data produced by this project and apply for NSF funding of a permanent monitoring program.

CONTACT

Dr. Mark Bertness
Brown Univ., Dept of
Ecology & Evolutionary Bi
Dept of Evolutionary Ecology

Providence, RI 02912
Phone (401) 863-2280
Fax (401) 863-2166
mark_bertness@brown.edu

INSTITUTION [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

SYSTEM Fauna

INTERVAL Each site sampled annually end of settlement season

DATES 1990-present

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL

ACCESS Avai

URL None

PARAMETERS_MEASURED At each site, 12 half-meter squared quadrats suctioned sampled destructively removing interstitial fauna; suction samples collected in 1.5 mm mesh bags. Orgs too large for suction sampler caught by hand & are measured in situ.

LOCATIONS Harbor-of-Refuge, Black Pt, Southwest Pt, Castle Hill, Lands End, Sachuest Pt.

NOTES The intent of Dr. Wahle is to establish long-term funding support from the state of RI to continue the settlement index annually for the indefinite future, given that its predictive utility is adequately confirmed.

CONTACT

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Bigelow Lab
Bigelow Laboratory for Ocean
Sciences

West Boothbay Harbor, ME
04575

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rwhale@bigelow.org

INSTITUTION [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.

SYSTEM Fauna

INTERVAL Weekly frm May to Oct

DATES Mar 1997-Oct 2001

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL Training & methodology

ACCESS Available

URL None

PARAMETERS_MEASURED Traps to capture lobsters. Shell disease index used to eval shell condn. Tag & recapture to frthr assess shell condn

LOCATIONS Dutch Harbor, Narr Bay

NOTES Project coordinated w/ RI DEM & similar data compiled at other sites thro sea sampling. Joint publication available.

CONTACT

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Fisheries Center, URI
East Farm

Kingston, RI 02881

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kcastro@uri.edu

INSTITUTION [RI Sea Grant; RI CRMC; RI DEM; RI Nat History srvy](#)

PROGRAM Narrgansett Bay Rapid Assess. Survey fr Mrne bioinvasive spp

PURPOSE Catalogue marine bioinvasive spp in RI coastal waters

SYSTEM Fauna

INTERVAL Every five years; frst yr: Aug 2000

DATES 2000-present

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL Best prof judgments of team of taxonomic experts

ACCESS

URL

PARAMETERS_MEASURED Invert orgs & algae sampling of encrusting & epiphytic communs on floating docks. Field & lab verfcatsn of smpled orgs. Sme smpling of adjacent shrlne habitats

LOCATIONS Stn 1: Narr Boat Club, Seekonk Riv; Stn 2 Bootleggers Marina, Prov Riv; Stn 3 Edgewd Ycht Clb, Prov Riv; Stn 4 Cove Haven Marina, Barrngtn; Stn 5 Coasters Hrbr Island; Stn 6 R. Williams Univ dock; Stn 7 Colt Ste Park dock; Stn 8 Wickford Mrna; Stn 9 N Kingstn Mrna Allens Hrbr; Stn 10 Warwick Cve Mrna; Stn 11 Ft Getty Pier; Stn 12 Prudence Islnd T-wharf; Stn 13 Prudence Islnd Potters Cve

NOTES Conducted in conjunction with similar study sponsored by MIT Sea Grant same year in Massachusetts. Taxonomic experts team assembled and supervised by Dr. James Carlton of Mystic Seaport/Williams College Marine Studies Program.

CONTACT

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INSTITUTION **RI, The Nature Conservancy, RI Nat Hist Surv.**

PROGRAM Rhode Island Odonata Atlas
PURPOSE To identify and record the Odonata species found in Rhode Island
SYSTEM Fauna
INTERVAL Spring until fall
DATES 1998 to 2003
DATA_FORMAT Digital Database
QUALITY_CONTROL Standard methods
ACCESS Contact Ginger Carpenter
URL <http://nature.org/states/rhodeisland/>
PARAMETERS_MEASURED Odonata species collected
LOCATIONS Wetland complexes statewide
NOTES

CONTACT

Ginger Carpenter
RI Natural History Survey
Coastal Institute
University of Rhode Island
Kingston, RI 02881
Phone (401) 874-5800
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vbrown@rinhs.org

INSTITUTION **RIDEM**

PROGRAM Adult American Shad and River Herring Monitoring
PURPOSE To assess the abundance of adult shad and herring in RI
SYSTEM Fauna
INTERVAL Daily Mar.-July
DATES
DATA_FORMAT Analog Report
QUALITY_CONTROL
ACCESS Available upon request
URL
PARAMETERS_MEASURED Frequency by manual fish counts at ladders or by counters
LOCATIONS Pawcatuck R., Gilbert Stuart, Nonquit, Annaquatucket, Potowomut
NOTES Shad are trapped and counted on Pawc. R. daily end of Mar. - July 4. Herring counted by direct count of fish over fish ladders or by electronic fish counters on Pawc. R. (difficult to do because of depth of water), Gilb. St., Non., Anna., Pot.

CONTACT

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INSTITUTION**RIDEM**

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 improvements**SYSTEM** Air**INTERVAL** Variable; continous to 24 hr comp.**DATES** 70's to present**DATA_FORMAT** Digital Database**QUALITY_CONTROL****ACCESS** Available upon request**URL** http://www.epa.gov/aqspubl1/annual_summary.html**PARAMETERS_MEASURED** Fine particulates(PM2.5 and PM 10), ozone, nitrogen oxide, sulphur dioxide, carbon monoxide, VOCs, carbonyls, metals**LOCATIONS** Approx. 15 sites throughout RI**NOTES** not all sites are monitored for all pollutants**CONTACT**

Barbara Morin

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Office of Air Resources

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bmorin@dem.state.ri.us

INSTITUTION**RIDEM**

PROGRAM Aquatic Furbearer Survey**PURPOSE** To assess the population of aquatic furbearers**SYSTEM** Fauna**INTERVAL** Variable**DATES****DATA_FORMAT****QUALITY_CONTROL****ACCESS****URL****PARAMETERS_MEASURED** numbers of furbearer taxa**LOCATIONS** Throughout RI**NOTES**

CONTACT

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Lsuprock@mindspring.com

INSTITUTION**RIDEM**

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 and/or needs
SYSTEM Fauna
INTERVAL 1X year in summer
DATES 1974 to 2002
DATA_FORMAT Analog Data Sheet
QUALITY_CONTROL Standard methods
ACCESS Available upon request

URL**PARAMETERS_MEASURED** Biological diversity using the Fullner multiple plate artificial substrate**LOCATIONS** 7 stations on RI rivers corresponding to USGS chemical sampling**NOTES** Sampling suspended in 2002. DEM intends to resume sampling in the future.**CONTACT**

RI DEM
RIDEM
Office of Water Resources

235 Promenade St.
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Fax (401) 222-3564
rrichard@dem.ri.state.us

INSTITUTION**RIDEM**

PROGRAM Assessment of Horse Shoe Crab Population
PURPOSE Census of spawning population in state waters
SYSTEM
INTERVAL May-June: full & new moons
DATES 2001 - on going
DATA_FORMAT Digital Database
QUALITY_CONTROL No
ACCESS Contact Scott Olszewski
URL www.state.ri.us/dem

PARAMETERS_MEASURED Abundance, sex ratio; largely a volunteer beach survey**LOCATIONS** Forty-six (46) beaches statewide**NOTES** Provides baseline information for management by DEM & ASMFC**CONTACT**

Scott Olszewski
DEM Marine Fisheries
3 Fort Wetherill Road

Jamestown, RI 02835
Phone (401) 423-1934
Fax
solszews@dem.stat.ri.us

INSTITUTION **RIDEM**

PROGRAM Atlantic Salmon Restoration
PURPOSE Restore salmon to the Pawcatuck Watershed
SYSTEM Water
INTERVAL Varies
DATES 1979-present
DATA_FORMAT Digital Database
QUALITY_CONTROL
ACCESS
URL

PARAMETERS_MEASURED Direct count of returning adults, population estimates of juveniles, temperature, pH, DO

LOCATIONS 13 locations for juveniles; one location (Potter Hill) on Pawcatuck for adults

NOTES

CONTACT

Veronica Mason
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veronica@netsense.net

INSTITUTION **RIDEM**

PROGRAM Biotxin Shellfish Poisoning Sampling
PURPOSE To assure shellfish in shellfish growing areas are free of biotoxins
SYSTEM Water
INTERVAL 1X week
DATES 2001
DATA_FORMAT Analog Data Sheet
QUALITY_CONTROL
ACCESS Available upon request
URL

PARAMETERS_MEASURED Phytoplankton seine pull

LOCATIONS Random 2 samples during shellfish growing area monitoring

NOTES In past this program was handled by the Department of Health. Starting this year DEM has taken over the program.

CONTACT

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Office of Water Resources
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Fax (401) 222-3564
jmiglior@dem.state.ri.us

INSTITUTION **RIDEM**

PROGRAM Bird Species Breeding Monitoring

PURPOSE To determine breeding status of colony, nesting , shore and wading birds

SYSTEM Fauna

INTERVAL Variable

DATES

DATA_FORMAT Analog Report

QUALITY_CONTROL

ACCESS Available upon request

URL

PARAMETERS_MEASURED Breeding status

LOCATIONS Throughout RI

NOTES data is found in year end reports.

CONTACT
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West Kingston, RI 02892
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Lsuprock@mindspring.com

INSTITUTION **RIDEM**

PROGRAM Chemical Baseline Monitoring

PURPOSE To develop a baseline profile of water quality in the state

SYSTEM Water

INTERVAL 1X quarter

DATES 1991 to 2003

DATA_FORMAT Digital Database

QUALITY_CONTROL QA/QC plan approved by EPA

ACCESS Available upon request

URL

PARAMETERS_MEASURED DO, pH, total hardness, specific conductance, temperature, instantaneous flow, total and fecal coliform, fecal streptococci, BOD5, dissolved NO2 and NO3, NH4, dissolved ortho P, total P, dissolved Na, dissolved Cl, volatile suspended solids, total Cu, Cd, Pb, and Fe (all sampling and analysis by standard methods)

LOCATIONS 25 stations on RI rivers and streams

NOTES Sampling contracted with URI Department of Civil and Environmental and Environmental Engineering Departments. Sampling design modified in 2004 to reflect ***** approach targeting the Wood River Watershed.

CONTACT
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Office of Water Resources
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ccarey@dem.state.ri.us

INSTITUTION **RIDEM**

PROGRAM Fixed-site Monitoring in Narragansett Bay

PURPOSE Provide water quality time series data to characterize water quality conditions and support management and research

SYSTEM WATER

INTERVAL Every 15 minutes, seasonally

DATES 1998 to present

DATA_FORMAT Digital Database

QUALITY_CONTROL QAPP under development

ACCESS Available upon request, some off Internet

URL www.narrbay.org/env-sci/data/buoy/buoydata.htm

PARAMETERS_MEASURED DO, temperature, chlorophyll, salinity, water level, pH, turbidity in some locations

LOCATIONS Nine fixed –site locations in Narragansett Bay; a tenth location is planned for installation.

NOTES Network is operated by cooperating agencies including DEM- OWR and NBNERR, NBC, URI-GSO and RWU. DEM and NBNERR contract with URI-GSO for technical support to maintain stations. Plans to expand the network in 2005 are expected to increase number of stations to 13-14.

CONTACT

Susan Kiernan
DEM- Office of Water Resources
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Providence, RI 02908
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skiernan@dem.state.ri.us

INSTITUTION **RIDEM**

PROGRAM Juvenile American Shad And river Herring Monitoring

PURPOSE To assess the juvenile herring and shad population that are migrating downstream

SYSTEM Fauna

INTERVAL Weekly or bi weekly June - Nov.

DATES 1986 to present

DATA_FORMAT Analog Report

QUALITY_CONTROL

ACCESS Available upon request

URL

PARAMETERS_MEASURED Frequency, length and weight (seine, cast net, trap net, weir devices)

LOCATIONS Pawcatuck R., Gilbert Stuart, Nonquit, Annaquatucket, Potowomut

NOTES Use seine on Pawcatuck weekly mid Aug. - Nov 1. Other sites are weekly or biweekly June - Nov 1

CONTACT

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INSTITUTION **RIDEM**

PROGRAM Largemouth Bass Monitoring
PURPOSE To determine frequency and growth rates of large mouth bass in RI ponds
SYSTEM Fauna
INTERVAL Weekly Aug - Oct. (sometimes in spring)
DATES
DATA_FORMAT Analog Report
QUALITY_CONTROL

ACCESS Available upon request

URL

PARAMETERS_MEASURED Frequency, catch rates, length, weight, scales

LOCATIONS Tuckers P, Watchoag P, Pascoag Res, Wilson P. and Tiogue L

NOTES Two methods of obtaining data. Bass Fish Tournaments are monitored for catch. Ususally one to two per weekend Aug.-Oct. Nighttime electroshocking is conducted once per year Sept.-Oct.

CONTACT

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INSTITUTION **RIDEM**

PROGRAM Quahaug Dredge Survey
PURPOSE Determine the abundance, size composition and geographic distribution
SYSTEM
INTERVAL Annually
DATES 1993-on-going
DATA_FORMAT Digital Database
QUALITY_CONTROL No

ACCESS

URL www.state.ri.us/dem

PARAMETERS_MEASURED Abundance, size frequency, species composition, predators, bottom composition, Hydraulic clam dredge

LOCATIONS Narragansett Bay

NOTES This program forms the basis for shellfish management recommendations

CONTACT

Dennis Erkan
D.E.M. Marine Fisheries
3 Fort Wetherill Rd.

Jamestown, RI 02835
Phone (401) 423-1932
Fax
derkan@dem.state.ri.us

INSTITUTION**RIDEM**

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
SYSTEM Fauna
INTERVAL 1X yr in spring/summer season
DATES 1992 to present
DATA_FORMAT Digital Spreadsheet and Digital Database
QUALITY_CONTROL QAPP - EPA approved for 2002 - 2004; RBP ****, EPA
ACCESS Available upon request

URL**PARAMETERS_MEASURED** Macroinvertebrates using RBP

LOCATIONS 45 stream riffle areas in RI **** the period 1991 to 2001. Beginning in 2002, sample locations were modified with **** new stations on stream in Blackstone Watershed. In 2004 Pawcatuck DEM directed work be done in the Wood River Watershed as part of a demonstration project, with XX **** sampled **** on other streams. Field work conducted by Roger Williams University from 1992 - 2001, ESS group from 2002 - present.

NOTES**CONTACT**

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Office of Water Resources

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INSTITUTION**RIDEM**

PROGRAM RI Pollution Discharge Elimination System Monitoring
PURPOSE To monitor point sources of wastewater into RI surface waters
SYSTEM Water
INTERVAL Dependent on nature of discharge
DATES 1983 to present
DATA_FORMAT Digital Database
QUALITY_CONTROL Standard methods
ACCESS Available upon request

URL**PARAMETERS_MEASURED** Dependent on nature of discharge

LOCATIONS 25 major, 110 minor and >200 stormwater discharges throughout RI

NOTES prior to 1983 program was run by EPA

CONTACT

Eric Beck
RIDEM
Office of Water Resources

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ebeck@dem.state.ri.us

INSTITUTION **RIDEM**

PROGRAM Rotating Basin Assessment of Rivers and Streams

PURPOSE Characterize baseline water quality conditions in rivers and streams statewide

SYSTEM Water

INTERVAL Varies (1-3X year)

DATES 2004-present

DATA_FORMAT Digital Database

QUALITY_CONTROL QAPP approved by EPA – project specific

ACCESS Upon request

URL

PARAMETERS_MEASURED 22 physical and chemical parameters and macroinvertebrates collected in accordance with RBP protocols

LOCATIONS In 2004, 32 stations on streams in the Wood River watershed, modified geometric sampling design

NOTES Demonstration project for the rotating basin approach which is replacing the fixed-station network previously sampled. DEM contracts with URI-Civil and Environmental Engineering and private consultants to execute the work.

CONTACT
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skiernan@dem.state.ri.us

INSTITUTION **RIDEM**

PROGRAM Shellfish Disease Monitoring

PURPOSE Determination of presence & severity of parasite and other infections in molluscan shellfish

SYSTEM

INTERVAL Annually: August

DATES 1998 - on going

DATA_FORMAT

QUALITY_CONTROL Yes

ACCESS Dr. Marta Gomez-Chiari

URL www.uri.edu/cels/favs/mg.html

PARAMETERS_MEASURED Collect quahogs & oysters, conduct histological and chemical examinations; diagnosis for MSX, QPX & Dermo

LOCATIONS Twelve (12) sites statewide

NOTES Provides baseline on infections of wild and aquaculture stock of oysters & quahogs. Also contact Art Ganz, RIDEM Division of Marine Fisheries, 3 Fort Wetherill Rd., Jamestown, RI 02835

CONTACT
Dr. Marta Gomez-Chiari
URI Dept. Fisheries and Aquaculture
134 Woodward Hall

Kingston, RI 02881
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gomezchi@uri.edu

INSTITUTION **RIDEM**

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 human health

SYSTEM Water, Fauna

INTERVAL Approved areas 6X yr; cond. approved areas 1X mo.

DATES 1946 to present

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL Standard Methods and NSSP requirements

ACCESS Available upon request

URL <http://dem.state.ri.us>

PARAMETERS_MEASURED Fecal coliform(MPN method), temperature(twice per run)

LOCATIONS 303 stations in shellfish growing areas in salt ponds, bay and open ocean

NOTES data are not available on DEM web site but the shellfish closure maps, based on the data updated annually are posted.

CONTACT
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INSTITUTION **RIDEM**

PROGRAM Shellfish Monitoring Program Shoreline Surveys

PURPOSE To locate actual and potential bacterial sources to shellfish growing areas

SYSTEM Fauna

INTERVAL Once/3 years with spot checking every year

DATES 1979 to present

DATA_FORMAT Analog Report

QUALITY_CONTROL Standard methods and NSSP requirements

ACCESS Available upon request

URL N/A

PARAMETERS_MEASURED Sources and bacteria using MPN method, estimated flow rates in pipes

LOCATIONS 410 miles of RI coastline

NOTES surveys are incorporated into annual reports to FDA

CONTACT
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INSTITUTION **RIDEM**

PROGRAM Stream and Pond Fisheries Surveys
PURPOSE Characterize freshwater fisheries in stream and ponds statewide
SYSTEM Water
INTERVAL Typically one sampling event per location
DATES 1993-present
DATA_FORMAT Digital Database
QUALITY_CONTROL
ACCESS
URL

PARAMETERS_MEASURED Electrofishing methods for sample collection. Fish counts by species, fish length; physical habitat, stream depth, width, substrate quality, water temperature, DO, pH, conductivity

LOCATIONS Statewide

NOTES Collection has largely been completed to develop a baseline dataset with publication of the data pending. Field collection now limited to filling gaps and other special needs.

CONTACT

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INSTITUTION **RIDEM**

PROGRAM Summer Inland Breeding Survey of Canadian Geese
PURPOSE To assess population of breeding canadian geese
SYSTEM Fauna
INTERVAL Variable
DATES
DATA_FORMAT
QUALITY_CONTROL
ACCESS
URL

PARAMETERS_MEASURED Number of breeding canadian geese

LOCATIONS Throughout RI

NOTES

CONTACT

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INSTITUTION **RIDEM**

PROGRAM Total Maximum Daily Load (TMDLs)

PURPOSE Characterize water quality conditions and identify sources of pollution causing water quality impairments

SYSTEM Water

INTERVAL Varies

DATES 1998 to present

DATA_FORMAT Digital Database

QUALITY_CONTROL QAPPs approved by EPA – project specific

ACCESS Available on request

URL

PARAMETERS_MEASURED Specific to impairment. May include pathogens, nutrients, dissolved oxygen, metals.

LOCATIONS 137 waterbodies are listed for TMDL development over a 12 plus year schedule. At any point in time, a subset of the list are targets for water quality investigations, including monitoring activities.

NOTES

CONTACT
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escott@dem.state.ri.us

INSTITUTION **RIDEM**

PROGRAM Upland Game Species Monitoring

PURPOSE To assess population of upland game species

SYSTEM Fauna

INTERVAL Variable

DATES

DATA_FORMAT

QUALITY_CONTROL

ACCESS

URL

PARAMETERS_MEASURED Game specis counts

LOCATIONS Throughout RI

NOTES

CONTACT
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Lsuprock@mindspring.com

INSTITUTION **RIDEM**

PROGRAM Waterfowl Survey
PURPOSE To count waterfowl
SYSTEM Fauna
INTERVAL Variable
DATES
DATA_FORMAT
QUALITY_CONTROL
ACCESS
URL
PARAMETERS_MEASURED Numbers of ducks, geese and swans
LOCATIONS Throughout RI
NOTES

CONTACT
Lori Suprock
RIDEM
Great Swamp Field Hq
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Phone (401) 789-0281
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Lsuprock@mindspring.com

INSTITUTION **RIDEM/NOAA/ASMFC**

PROGRAM R.I. Lobster Research & Management Program
PURPOSE Assessment of the lobster resource & fishery in R.I.
SYSTEM
INTERVAL Inshore twice/month; Offshore quarterly
DATES 1990-on-going
DATA_FORMAT Digital Database
QUALITY_CONTROL Complys with NOAA & ASMFC standards
ACCESS Contact Tom Angell
URL www.state.ri.us/dem
PARAMETERS_MEASURED Size, sex, shell condition, reproductive condition - sea sampling, inshore & offshore
LOCATIONS Narragansett Bay; Block Island Sound; Rhode Island Sound; Mid-shelf; and canyons
NOTES Results of this monitoring form the basis for lobster management in RI. Works in conjunction with other states, ASMFC, ACCSP, and NMFS management programs

CONTACT
Tom Angell
DEM Marine Fisheries
3 Fort Wetherill Road

Jamestown, RI 02835
Phone (401) 423-1931
Fax
tangell@dem.state.ri.us

INSTITUTION **RIDEM/USFWS**

PROGRAM Assessment of Recreationally Important Pelagic Finfish in RI Waters

PURPOSE Monitor species composition and abundance of pelagic fish in RI waters.

SYSTEM

INTERVAL Monthly: May-November

DATES 2000 - on going

DATA_FORMAT Digital Database

QUALITY_CONTROL No

ACCESS Contact Richard Satchwill

URL www.state.ri.us/dem

PARAMETERS_MEASURED Monitor species composition; size distribution; age and weight @ length; sex ratio; water temperature and dissolved oxygen - Gill net survey

LOCATIONS Eight (8) geographic regions in Narragansett Bay

NOTES Serves to provide information on which to base species specific data for management of stocks in RI, other states, and ASMFC.

CONTACT

Richard Satchwill
DEM Marine Fisheries

3 Fort Wetherill Road

Jamestown, RI 02835
Phone (401) 423-1930
Fax
rsatchwi@dem.state.ri.us

INSTITUTION **RIDEM/USFWS**

PROGRAM Assessment of Young of the Year Glass Eel Recruitment and Migration

PURPOSE Monitor migration, abundance, and size composition

SYSTEM

INTERVAL Daily April-June

DATES 2000 - on going

DATA_FORMAT Digital Database

QUALITY_CONTROL Complys with ASMFC standards

ACCESS Contact Michelle Burnett

URL www.state.ri.us/dem

PARAMETERS_MEASURED Abundance, size, water temperature, dissolved oxygen. Installation of eel ramps into fish ladders.

LOCATIONS Pettasquamscutt River (Gilbert Stuart); Annaquatucket fish ladder

NOTES This is the basis for eel management in RI. Works cooperatively with other states and ASMFC

CONTACT

Michelle Burnett
DEM Marine Fisheries

3 Fort Wetherill Road

Jamestown, RI 02835
Phone (401) 423-1946
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michelle.burnett@dem.ri.gov

INSTITUTION **RIDEM/USFWS**

PROGRAM Coastal Fishery Resource Assessment Trawl Survey

PURPOSE Monitoring species distribution throughout Narragansett Bay, RI and Block Island Sounds.

SYSTEM

INTERVAL Monthly: 18 stations; Spring/Fall: 28 stations

DATES 1979 - on going

DATA_FORMAT Digital Database

QUALITY_CONTROL Complys with NMFS standards

ACCESS Contact Tim Lynch

URL www.state.ri.us/dem

PARAMETERS_MEASURED Species composition, catch effort, size, and weight; dissolved oxygen and temperature; otter trawl survey

LOCATIONS Narragansett Bay, RI Sound, and Block Island Sound

NOTES Provides basis for stock assessment on species regulated by the DEM, NMFS, and ASMFC.

CONTACT

Tim Lynch
DEM Marine Fisheries
3 Fort Wetherill Road

Jamestown, RI 02835
Phone (401) 423-1928
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tlynch@dem.state.ri.us

INSTITUTION **RIDEM/USFWS**

PROGRAM Fisheries Resources of RI Coastal Salt Ponds, Tidal Rivers, and Embayments

PURPOSE Catalog the species distribution in salt ponds and bay estuaries

SYSTEM

INTERVAL Monthly: one area per year

DATES 1989-200

DATA_FORMAT Analog Report

QUALITY_CONTROL No

ACCESS Contact Richard Satchwil

URL www.state.ri.us/dem

PARAMETERS_MEASURED Species composition, size, weight, sex; water temperature, salinity, and dissolved oxygen; otter trawl, fyke net, beach seine, and gill net

LOCATIONS Statewide

NOTES Provided a baseline for finfish occurrence for each salt pond and estuary statewide.

CONTACT

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Jamestown, RI 02835
Phone (401) 423-1930
Fax
rsatchwi@dem.state.ri.us

INSTITUTION **RIDEM/USFWS**

PROGRAM Monitoring of Ichthyoplankton Abundance in Narragansett Bay & Coastal Waters

PURPOSE Monitor seasonal and geographic abundance of fish larvae and eggs.

SYSTEM

INTERVAL Monthly

DATES 2000 - on going

DATA_FORMAT Digital Database

QUALITY_CONTROL No

ACCESS Contact Dennis Erkan

URL www.state.ri.us/dem

PARAMETERS_MEASURED Species abundance & seasonality, abundance by geographic region; water temperature, dissolved oxygen; plankton net survey

LOCATIONS Sixteen (16) fixed stations in Narragansett Bay and RI Sound

NOTES Plankton identification conducted by Dr. Grace Klein-McPhee

CONTACT
Dennis Erkan
DEM Marine Fisheries

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Fax
derkan@dem.state.ri.us

INSTITUTION **RIDEM/USFWS**

PROGRAM Narragansett Bay Juvenile Finfish Survey

PURPOSE Monitor species distribution and size composition of juvenile finfish throughout Narragansett Bay

SYSTEM

INTERVAL Monthly: May-November

DATES 1985 - on going

DATA_FORMAT Digital Database

QUALITY_CONTROL No

ACCESS Contact Chris Powell

URL

PARAMETERS_MEASURED Species and size; water temperature, dissolved oxygen, and salinity - Beach seine survey

LOCATIONS Eighteen (18) fixed stations in Narragansett Bay

NOTES Serves to provide an index of recruitment of regulated species. Winter flounder a high priority.

CONTACT
Chris Powell
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cpowell@dem.state.ri.us

INSTITUTION**RIDEM/USFWS**

PROGRAM Young-of-the-Year Survey of Selected Coastal Salt Ponds & Embayments

PURPOSE Monitor the abundance & distribution of juvenile finfish for the purpose of forecasting recruitment in relation to spawning biomass of winter flounder.

SYSTEM

INTERVAL Monthly: May-November

DATES 1993 - on going

DATA_FORMAT Digital Database

QUALITY_CONTROL No

ACCESS Contact Michelle Burnett

URL www.state.ri.us/dem

PARAMETERS_MEASURED Species composition, size distribution; dissolved oxygen, water temperature, salinity; beach seine survey

LOCATIONS Winnapaug (3); Quonochontaug (3); Ninigret (4); Point Judith (3); Narrow River (3); Great Salt Pond, Block Island (3)

NOTES Provides and index of recruitment.

CONTACT

Michelle Burnett
DEM Marine Fisheries

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Jamestown, RI 02835
Phone (401) 423-1946
Fax
michelle.burnett@dem.ri.gov

INSTITUTION**RIDOH**

PROGRAM Beach Monitoring Program

PURPOSE To monitor beach water quality for the protection of human health

SYSTEM Water

INTERVAL Dependent on location and past history

DATES 1994 to present

DATA_FORMAT Digital Database

QUALITY_CONTROL QA/QC protocol and standard methods

ACCESS Online and raw data available upon request

URL <http://www.health.state.ri.us>

PARAMETERS_MEASURED Fecal coliform and enterococci(A1 method)

LOCATIONS 115 fresh and saltwater beaches in RI

NOTES informal testing began in the late 60's

CONTACT

David Burnett
RIDOH
Office of Food Protection
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Providence, RI 02908
Phone (401) 222-2749
Fax (401) 222-4775
ribeaches@doh.state.ri.us

INSTITUTION **RIDOH**

PROGRAM Drinking Water Monitoring
PURPOSE To assess quality of drinking water for protection of human health
SYSTEM Water
INTERVAL Dependent of requirements from EPA
DATES Early 80's to present
DATA_FORMAT Digital Database
QUALITY_CONTROL
ACCESS Available upon request
URL

PARAMETERS_MEASURED As required by Safe Drinking Water Act - SOCs, VOCs, radionuclides, inorganics, microbes

LOCATIONS All drinking water supplies, variety of finished and raw water

NOTES Larger drinking water systems conduct own monitoring. They send result to DOH only for EPA required parameters. DOH monitors small systems for EPA required parameters and other constituents.

CONTACT

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RIDOH
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safewater@doh.state.ri.us

INSTITUTION **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.
SYSTEM Water
INTERVAL Biweekly for the summer months
DATES 1985 to present
DATA_FORMAT Digital Spreadsheet
QUALITY_CONTROL Standard methods

ACCESS Contact Executive Director Vic Dvorak 401-322-1105

URL <http://www.saltpondscoalition.org>

PARAMETERS_MEASURED Fecal coliform bacteria (MPN)

LOCATIONS Thirty stations on seven southwestern Rhode Island salt ponds.

NOTES Data is used by state and local agencies to help determine permitted use of the salt ponds by the public.

CONTACT

Ralph Minopoli
Salt Ponds Coalition
P.O. Box 875

Charlestown, RI 02813
Phone (401) 364-7771
Fax (401) 322-8384
Saltpondcoalition@hotmail.com

INSTITUTION **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.

SYSTEM Water, Fauna

INTERVAL Monthly

DATES 1993 to present

DATA_FORMAT

QUALITY_CONTROL Standard methods

ACCESS Contact Wenley Ferguson

URL <http://www.savebay.org/>

PARAMETERS_MEASURED Dissolved Oxygen (LaMotte kits), Water clarity (Secchi disk), and Temperature (thermometers), seal counts (observation), horseshoe crab counts (observation)

LOCATIONS Seekonk River, Providence River, and Wickford Harbor

NOTES Bay Watchers are specifically working with troubled waters that may have hypoxic areas. The seal and horse shoe crab counts have been in conjunction with the Narragansett Bay National Estuary Research Reserve program volunteer monitoring efforts.

CONTACT

Wenley Ferguson
Save The Bay
434 Smith Street

Providence, RI 02908
Phone (401) 273-3540
Fax (401) 273-7153

INSTITUTION **Save The Bay**

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.

SYSTEM Water

INTERVAL Monthly for WQ, seasonal for fauna

DATES 1993 to present

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL Standard method

ACCESS Contact Wenley Ferguson

URL <http://www.savebay.org/>

PARAMETERS_MEASURED Dissolved Oxygen (LaMotte kits), Water clarity (Secchi disk), and Temperature (thermometers), seal counts (observation), horseshoe crab spawning counts (observation), eel grass (observation).

LOCATIONS Seekonk River, Providence River, and Wickford Harbor for water quality; statewide for Horseshoe crabs; baywide for seals

NOTES Water quality sites are in potential hypoxic areas. The seal and horse shoe crab counts have been in conjunction with the Narragansett Bay Nat'l Estuary Research Reserve prog. efforts. Eel grass monitoring is post restoration.

CONTACT

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wferguson@savebay.org

INSTITUTION **Southern RI Conservation District**

PROGRAM Salt Marsh Restoration Monitoring at Duck Cove

PURPOSE Assess the effect of re-establishment of tidal flow on biotic and abiotic componenets of the Duck Cove coastal ecosystem

SYSTEM

INTERVAL Vegetation 1X per year, soil salinity 2X per year, tides every other year

DATES 1998 - on-going

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL No

ACCESS Annual reports available, public access

URL

PARAMETERS_MEASURED Vegetation height and % cover by species (photos, transects), soil salinity (refractometer), spring tide elevations (data loggers)

LOCATIONS Duck Cove, North Kingstown

NOTES Flow was restored in 2001

CONTACT

Kris Stuart
Southern RI Conservation District
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Kris.Stuart@ri.nacdnet.org

INSTITUTION **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

SYSTEM Fauna

INTERVAL Varies

DATES

DATA_FORMAT

QUALITY_CONTROL

ACCESS

URL

PARAMETERS_MEASURED Avian species (observation), conditions at refuges (observation)

LOCATIONS Statewide

NOTES This entry is incomplete, and may contain errors. It will be updated as direct contact is made with the program coordinator.

CONTACT

Dot Mathurin
Audubon Society of Rhode Island
12 Sanderstown Rd.

Smithfield, RI 02917
Phone (401) 949-5454
Fax
dmathurin@asri.org

INSTITUTION **U.S. EPA in partnership with the coastal states**

PROGRAM National Coastal Assessment/EMAP

PURPOSE To assess the ecological condition of coastal resources using a probability based monitoring design. Conducted in partnership with the 24 coastal states.

SYSTEM Water, Fauna

INTERVAL Annual- summer index period

DATES 2000-2003

DATA_FORMAT Digital Database

QUALITY_CONTROL EMAP QA/QC protocols

ACCESS Public Access - World Wide Web

URL <http://www.epa.gov/emap/>

PARAMETERS_MEASURED DO, salinity, temperature, water depth, water clarity (CTD), sediment toxicity, sediment chemistry, TOC, pH, TSS, %silt/clay, Light extinction, Benthic condition index (infaunal community analysis), fish community composition, fish pathology

LOCATIONS Narragansett Bay and coastal waters

NOTES The National Coastal Assessment (NCA) is the coastal assessment component of the Environmental Monitoring and Assessment Program (EMAP). There are approximately 56 sampling stations located in Narragansett Bay and an additional 20 stations along the southern coast.

CONTACT

Henry Walker
USEPPA, Atlantic Ecology Division
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Narragansett, RI 02882
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Fax (401) 782-3030
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INSTITUTION **URI**

PROGRAM Bird monitoring @ Galilee Bird Sanctuary

PURPOSE Monitor changes in avian community composition following restoration of a saltmarsh.

SYSTEM Fauna

INTERVAL Biweekly all year 1991-1996; point counts 92-99

DATES 1991-1999

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL --

ACCESS Available

URL None

PARAMETERS_MEASURED Species composition, relative abundance, habitat associations, censused w/ point cts & spot mapping.

LOCATIONS Galilee Bird Sanctuary

NOTES Golet, Eddleman initiated monitoring. Surveys stopped in 99. Data from 91-97 prior to installation of tide gates. Post-restoration data available.

CONTACT
Frank Golet, Peter Paton
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Sciences, URI
Coastal Institute
--
Kingston, RI 02881
Phone (401) 874-2986
Fax (401) 874-4561
ppaton@uri.edu

INSTITUTION **URI**

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.

SYSTEM Fauna

INTERVAL 70s: Mar-Nov; 90s: daily Mar-May, Aug-Nov

DATES 1970-1978, 1990-2000

DATA_FORMAT Analog Data Sheet

QUALITY_CONTROL --

ACCESS Available

URL None

PARAMETERS_MEASURED Age/Sex ratios, species composition, morphological characteristics; drift fence arrays w/ pitfall traps

LOCATIONS Alton Jones Campus

NOTES Shoop (URI) & Doty (R Williams U.) ran drft fce array at 1 pond during 1970s & 1990s. Capture data not fully entered. Paton seeking funding to continue array. 2nd longest running monitoring site of this type in N. America.

CONTACT
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--
Kingston, RI 02881
Phone (401) 874-2986
Fax (401) 874-4561
ppaton@uri.edu

INSTITUTION [URI & RI Audubon Society](#)

PROGRAM Kingston Wildlife Research Station

PURPOSE Monitor fall migration of migratory birds

SYSTEM Fauna

INTERVAL Once every fall (7 Aug - 1 Nov)

DATES 1958-1994; 1998-present

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL --

ACCESS Available

URL None

PARAMETERS_MEASURED Age/Sex ratios, species composition, morphological characs, 4-10 mist nets annually

LOCATIONS Kingston Wildlife Rsch Station near junction of Rt 138 & Rt 108

NOTES Banding program first run by Doug Kraus from 1958 to 1994. Passed on research/monitoring program to P. Paton. Kraus originally used 4 mist nets. Paton expanded program to 10 mist nets annually. Capture data still expressed as birds/100 net hours.

CONTACT

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INSTITUTION **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.

SYSTEM Water

INTERVAL Weekly, Biweekly, and Monthly in the spring/summer

DATES 1988 to present

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL Standard Methods, approved QAPP

ACCESS Report published biannually

URL <http://www.edc.uri.edu/uriww>

PARAMETERS_MEASURED Water temperature (thermometers), DO (La Motte Kits), pH (benchtop meter), Alkalinity (titration, meter), Water clarity (Secchi), Nitrogen (colorimetric), Phosphorus (colorimetric), Conductivity (meter), Chloride (colorimetric), Salinity (La Motte kits), Flow/water level (gauges, pygmy flow meter), Fecal coliform and E. coli Bacteria (direct enumeration, mTEC)

LOCATIONS About 110 sites through Rhode Island

NOTES This program works with a number of local organizations including the Wood Pawcatuck Watershed Assoc., the Narrow River Preservation Assoc., RI Surfrider Foundation, Narra. Chapt.Trout Unlimited, RI Audubon, RI TNC, RI DEM, Salt Ponds Coalition, etc.

CONTACT

Linda Green and Elizabeth Herron

URI Cooperative Extension
University of Rhode Island

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uriww@etal.uri.edu

INSTITUTION **URI Depart of Geosciences, 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.

SYSTEM Land

INTERVAL Weekly & before/after mjr storms

DATES 1977 to present

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL Extensive: Contact J. Boothroyd

ACCESS

URL

PARAMETERS_MEASURED Bch prfiles msred perpend to shrelne & shw cross-sectional vw of beach. Profiles obtained via modified Emery technique.

LOCATIONS Charlestown beach CHA-EZ & CHA-05; Andrea Hotel Misquamicut MSQ-AN; Fire Dstrct Beach Misquamicut MSQ-FD; S. Kingstown Town Beach SK-TB

NOTES**CONTACT**

Dr. Jon C. Boothroyd
URI Depart of Geosciences
314 Woodward Hall

Kingston, RI 02881
Phone (401) 874-2191
Fax (401) 874-2190
jon_boothroyd@uri.edu

INSTITUTION **URI Depart of Nat Resources Science, RIDEM**

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.

SYSTEM Fauna, Flora

INTERVAL Contact F. Golet for details

DATES 1992-1997

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL Pilot studies to insure min nece sample size

ACCESS**URL**

PARAMETERS_MEASURED Tide levels, groundwater levels, soil-water salinity, emergent & woody vegetation, percentage cover of submerged aquatic vegetation, fish, salmarsh snail, breeding songbirds, waterbirds, saltmarsh sharp-tailed sparrow (Contact F. Golet for add'tl details)

LOCATIONS Galilee Bird Sanctuary & Bluff Hill Cove

NOTES

CONTACT

Dr. Frank Golet
Department of Nat Resources Science, URI
108 Coastal Institute at Kingston
1 Greenhouse Rd
Kingston, RI 02881
Phone (401) 874-2916
Fax (401) 874-4561
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INSTITUTION **URI Grad School of Oceanography**

PROGRAM Benthic Infauna in Narragansett Bay

PURPOSE Observe long-term changes in the depositional benthic community of Narragansett Bay

SYSTEM Fauna

INTERVAL Every June

DATES 1999-present

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL See MERL Manual

ACCESS

URL

PARAMETERS_MEASURED 15 cores collected, 0-2 cm and 2-10 cm horizons on 300 micron & 500 micron mesh; nematodes msred on 0-2 cm horizon w/ 38 micron mesh; See MERL manua

LOCATIONS MERL Station 1 north of Jamestown

NOTES Program to be continued for indefinite future with state support.

CONTACT

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URI Grad School of
Oceanography
South Ferry Rd

Narragansett, RI 02882
Phone (401) 874-6132
Fax
coviatt@gso.uri.edu

INSTITUTION **URI Grad School of Oceanography**

PROGRAM Quonochontaug Pond Fellowship/Salt Pond Rsch Fllwshp

PURPOSE Conduct baseline & monitoring studies of circulation in Ninigret, Quonochontaug, & Winnapaug Ponds

SYSTEM Water

INTERVAL Twice per yr; more often if dredging occurs

DATES 1999-2003 definitely

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL

ACCESS Avail on Web

URL <http://espo.gso.uri.edu/~kford/sp>

PARAMETERS_MEASURED Salinity changes; possibly bathymetric surveys

LOCATIONS Quonochontaug mainly; expand to Winnapaug/Ninigret if funding avai

NOTES Sediment cores are being examined for changes associated w/ major storm events (hurricanes).

CONTACT

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khford@gso.uri.edu

INSTITUTION **URI Grad School of Oceanography**

PROGRAM Quonochontaug Pond Fllwshp/Salt Pond Rsch Fllwshp
PURPOSE Conduct baseline & monitoring studies of habitat in Ninigret, Quonochontaug, & Winnapaug Ponds
SYSTEM Fauna
INTERVAL O2 in summ. Shllfsh evry 1-2 yrs. WF evry yr.
DATES 1999-2003 definitely
DATA_FORMAT Digital Spreadsheet
QUALITY_CONTROL
ACCESS Avail on Web
URL <http://espo.gso.uri.edu/~kford/sp>
PARAMETERS_MEASURED Oxygen; shellfish (quadrats); winter flounder
LOCATIONS Quonochontaug mainly; expand to Winnapaug/Ninigret if funding is available
NOTES Sediment cores are being examined for changes associated w/ major storm events (hurricanes).

CONTACT

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INSTITUTION **URI Grad School of Oceanography**

PROGRAM Water Column Nutrients
PURPOSE Observe long-term changes in chlorophyll, ammonia, nitrite, nitrate, phosphate, & silicate.
SYSTEM Water
INTERVAL Weekly
DATES Fall 1976 to present
DATA_FORMAT Digital Database
QUALITY_CONTROL See MERL Manual 3rd edition, 1994
ACCESS Available
URL None
PARAMETERS_MEASURED All methods, precision, accuracy, & quality control summarized in MERL Manual, 3rd edition, 1994
LOCATIONS GSO dock
NOTES

CONTACT

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INSTITUTION **URI-GSO**

PROGRAM Narragansett Bay Phytoplankton
PURPOSE Weekly monitoring of phytoplankton diversity in Narra. Bay at 1 station near Fox Island
SYSTEM Water, Flora
INTERVAL Weekly
DATES 1950s; few gaps; continuous
DATA_FORMAT Digital Spreadsheet
QUALITY_CONTROL Faculty supervision of Graduate Research Assistant
ACCESS Prior to 1999 not yet freely available
URL <http://www.gso.uri.edu/phytoplankton>
PARAMETERS_MEASURED >20 micrometer phytoplankton species; size-fractionated chlorophyll
LOCATIONS Coastal Institute, URI-GSO
NOTES data prior to 1999 partially available in publications by T.J. Smayda & students or P.E. Hargraves & students. Supported by state assistantship to URI/GSO

CONTACT

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GSO/URI
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INSTITUTION **US Fish & Wildlife, URI**

PROGRAM Monitoring Avian Productivity & Survivorship
PURPOSE Monitor species composition & population dynamics of breeding birds
SYSTEM Fauna
INTERVAL 7 banding sessions/yr drng (Jun-Aug)
DATES 1991-2000
DATA_FORMAT Digital Spreadsheet
QUALITY_CONTROL --
ACCESS Available
URL None
PARAMETERS_MEASURED Age/Sex ratios, species composition, morphological characs; used mist nets
LOCATIONS Trustum Pond NWR, Ninigret NWR
NOTES Eddleman started prgm. Paton took over. 2000 1st yr of data. Prob not to be restarted.

CONTACT

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--
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INSTITUTION **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.
SYSTEM Water, Fauna
INTERVAL Site specific
DATES 1977-on-going
DATA_FORMAT Analog Report
QUALITY_CONTROL QA/QC Protocols in place

CONTACT

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Concord, MA 01742
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Fax
thomas.j.fredette@usace.army
.mil

ACCESS Reports available from COE, NED

URL <http://www.nae.usace.army.mil/environm/damos.html>

PARAMETERS_MEASURED Variables measured are site specific but typically include sediment chemistry, sediment toxicity, benthic community structure and function, and tissue analysis for bioaccumulative chemicals of concern.

LOCATIONS Coastal sites from Maine to LI Sound

NOTES Damos sites are located at Rockland, Portland, and Cape Arundel Maine; Mass Bay, Cape Cod Bay, Buzzards Bay Mass. New London, Central and Western LI Sound. A new proposed site is located off the RI coast east of Block Island.

INSTITUTION **USDA/APHIS**

PROGRAM Cooperative Agricultural Pest Survey (CAPS)
PURPOSE Detect introduced or exotic invasive species-plants, insects, inverts, pathogens, etc.
SYSTEM Fauna
INTERVAL Monitoring frequency depends on species of concern
DATES 1982-on-going
DATA_FORMAT Digital Spreadsheet
QUALITY_CONTROL no
ACCESS NAPIS database, public access
URL <http://www.ceris.purdue.edu/napis/>
PARAMETERS_MEASURED Exotic species identified via trapping and visual surveys
LOCATIONS Statewide, County basis

CONTACT

Lisa Tewksbury
URI-Plant Sciences
6 Greenhouse Road

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NOTES This monitoring program is designed to detect invasive, non-indigenous species throughout the state. Sample design is dependant on specific species of concern and is linked to the national PPQ program that determines which surveys should be conducted.

INSTITUTION **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.

SYSTEM Water, Fauna

INTERVAL Periodic

DATES 1998-2000

DATA_FORMAT Digital Database

QUALITY_CONTROL QA/QC protocols in place

ACCESS Public Access- WWW

URL <http://www.water.usgs.gov/nawqa/>

PARAMETERS_MEASURED Surface Water: bed sediment and fish tissue contaminants (metals, organics)
Ground water: nutrients, metals, major ions, pesticides, VOC.

LOCATIONS Blackstone River at Manville, Moshassuck at Providence, Woonasquatucket at Centerdale, Big Roundtop Pond.. Grnd water sites at Scituate, South Kingston

NOTES No current monitoring activities in RI.

CONTACT

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INSTITUTION **USGS**

PROGRAM Streamflow Gaging Network

PURPOSE Measure flow in rivers and water streams System:

SYSTEM Water

INTERVAL Varies; many are long-term data sets (decades)

DATES

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL

ACCESS

URL

PARAMETERS_MEASURED ****

LOCATIONS 20 locations across the state

NOTES The stations are maintained by USGS with funding provided by DEM and WRB as well as other sponsors of individual gages.

CONTACT

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Fax
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INSTITUTION **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*)

SYSTEM Fauna

INTERVAL Spring (May-June) Fall (Sept-Oct)

DATES Oct 1998 - fall 2001

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL No formal techniques; on-site training

ACCESS ?

URL None

PARAMETERS_MEASURED # of crabs/2 m2 quadrat, 3-5 replicate quadrats sample at each smpling interval

LOCATIONS Bristol RI by Mt. Hope Bridge

NOTES Data will be assembled in a final project report to be submitted to WHOI Sea Grant after the funding ends in 2002. Article manuscript will also be prepared.

CONTACT

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INSTITUTION **Wood Pawcatuck Watershed Association**

PROGRAM Pawcatuck Watershed Monitoring

PURPOSE To track water quality changes and educate the public.

SYSTEM Water

INTERVAL Weekly, Biweekly, and Monthly in Spring and Summer

DATES Began in 1998, still underway

DATA_FORMAT Digital Spreadsheet

QUALITY_CONTROL Standard procedures ...

ACCESS Report is published annually

URL <http://www.watershed.envstudies@Brown.edu>

PARAMETERS_MEASURED Dissolved Oxygen (LaMotte Kit), Temperature (thermometer), Stream Flow (pygmy flow meter), Nutrients (colorimetric), pH (electrometic), and Bacteria (direct enumeration mTEC).

LOCATIONS 3 sites Meadow Brook, 5 sites Beaver River, 3 sites Green Falls River, 5 sites Queen River

NOTES The Wood Pawcatuck Watershed Association has also been monitoring the lakes and streams in the Wood Pawcatuck Watershed since 1988 as part of the URI Watershed Watch program (uriww@etal.uri.edu).

CONTACT

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