

# Monitoring Programs by Resource

**RESOURCE**      **Air**

**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

**INSTITUTION**      RIDEM

**INTERVAL**      variable; continous to 24 hr comp.

**DATES**      70's to present

**DATA\_FORMAT**      Digital Database

**URL**      [www.epa.gov/aqspubl1/annual\\_summary.html](http://www.epa.gov/aqspubl1/annual_summary.html)

**QUALITY\_CONTROL**

**ACCESS**      available upon request

**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  
RIDEM  
Office of Air Resources  
235 Promenade Street  
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[bmorin@dem.state.ri.us](mailto:bmorin@dem.state.ri.us)

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**RESOURCE**      **Climate**  
**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  
**INSTITUTION**   Ray Vincent  
**INTERVAL**      Daily, year round  
**DATES**          1992 to present  
**DATA\_FORMAT**   Analog Report  
**URL**  
**QUALITY\_CONTROL**   Standard  
**ACCESS**      Membership in network (\$12 fee)  
**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

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**RESOURCE**      **Climate**  
**PROGRAM**      RIBCON - Rhode Island Bristol County Network  
**PURPOSE**      Develop baseline data of local weather patterns in Rhode Island and Bristol County, Massachusetts  
**INSTITUTION**   Ray Vincent  
**INTERVAL**      daily  
**DATES**          ~1990  
**DATA\_FORMAT**   Analog Report  
**URL**  
**QUALITY\_CONTROL**   Standard  
**ACCESS**      Membership in network (\$11 fee)  
**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 dat or not). An annual fee of \$11 covers postage and coping costs.  
**CONTACT**  
Ray Vincent  
RIBCON            Providence, RI 00000  
Phone    (401) 421-8382  
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**RESOURCE** Fauna  
**PROGRAM** Adult American Shad and River Herring Monitoring  
**PURPOSE** to assess the abundance of adult shad and herring in RI  
**INSTITUTION** RIDEM  
**INTERVAL** daily Mar.-July  
**DATES**  
**DATA\_FORMAT** Analog Report  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS** available upon request  
**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**  
Phil Edwards  
RIDEM  
Great Swamp Field Hq  
P.O. Box 218  
W. Kingston, RI 02892  
Phone (401) 789-0281  
Fax (401) 783-7490  
pedwardsdem@mindspring.com

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**RESOURCE** Fauna  
**PROGRAM** Amphipod Population Study  
**PURPOSE** Determine field demographics for the estuarine amphipod *Ampelisca abdita*  
**INSTITUTION** EPA-AED  
**INTERVAL** bi-weekly  
**DATES** 1996-2000  
**DATA\_FORMAT** Analog Report  
**URL**  
**QUALITY\_CONTROL** yes  
**ACCESS** contact PI (Ann Kuhn-Hines)  
**PARAMETERS\_MEASURED** abundance, length frequency, sex ratio, biomass, and reproductive state.  
**LOCATIONS** Narrow River  
**NOTES** AED research project.  
**CONTACT**  
Ann Kuhn-Hines  
EPA-AED  
27 Tarzwell Drive  
  
Narragansett, RI 02882  
Phone (401) 782-3199  
Fax (401) 782-3030  
kuhn.anne@epa.gov

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**RESOURCE**      **Fauna**  
**PROGRAM**      Aquatic Furbearer Survey  
**PURPOSE**      to assess the population of aquatic furbearers  
**INSTITUTION**      RIDEM  
**INTERVAL**      dn  
**DATES**  
**DATA\_FORMAT**  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**  
**PARAMETERS\_MEASURED**      numbers of  
**LOCATIONS**      throughout RI  
**NOTES**  
**CONTACT**  
Lori Suprock  
RIDEM  
Great Swamp Field Hq  
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W. Kingston, RI 02892  
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**RESOURCE**      **Fauna**  
**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  
**INSTITUTION**      RIDEM  
**INTERVAL**      1X year in summer  
**DATES**      1974 to present  
**DATA\_FORMAT**      Analog Data Sheet  
**URL**  
**QUALITY\_CONTROL**      standard methods  
**ACCESS**      available upon request  
**PARAMETERS\_MEASURED**      biological diversity using the Fullner multiple plate artificial  
**LOCATIONS**      7 stations on RI rivers corresponding to USGS chemical sampling  
**NOTES**  
**CONTACT**  
Robert Richardson  
RIDEM  
Office of Water Resources  
235 Promenade St.  
Providence, RI 02908  
Phone      (401) 222-4700  
Fax      (401) 222-3564  
rrichard@dem.ri.state.us

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**RESOURCE** Fauna  
**PROGRAM** Benthic Infauna in Narr Bay  
**PURPOSE** Observe long-term changes in the depositional benthic community of Narragansett Bay  
**INSTITUTION** URI Grad School of Oceanography  
**INTERVAL** every June  
**DATES** 1999-present  
**DATA\_FORMAT** Digital Spreadsheet  
**URL**  
**QUALITY\_CONTROL** See MERL Manual  
**ACCESS**  
**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**  
Dr. Candace Oviatt  
URI Grad School of Oceanography  
South Ferry Rd  
  
Narragansett, RI 02882  
Phone (401) 874-6132  
Fax  
coviatt@gso.uri.edu

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**RESOURCE** Fauna  
**PROGRAM** Bird monitoring @ Galilee Bird Sanctuary  
**PURPOSE** Monitor changes in avian community composition following restoration of a saltmarsh.  
**INSTITUTION** URI  
**INTERVAL** Biweekly all year 1991-1996; point counts 92-99  
**DATES** 1991-1999  
**DATA\_FORMAT** Digital Spreadsheet  
**URL** none  
**QUALITY\_CONTROL** --  
**ACCESS** Available  
**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  
Dept of Nat Resource Scnces,  
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Kingston, RI 02881  
Phone (401) 874-2986  
Fax (401) 874-4561  
ppaton@uri.edu

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**RESOURCE**      **Fauna**  
**PROGRAM**        Bird Source  
**PURPOSE**        To promote conservation and environmental science, and to develop a long-term record of bird populations in North America  
**INSTITUTION**    National Audubon Soc. & Cornell Lab of Ornithology  
**INTERVAL**        varies  
**DATES**  
**DATA\_FORMAT**    Other (Describe in Notes)  
**URL**            <http://birdsource.cornell.edu/index.html>  
**QUALITY\_CONTROL**  
**ACCESS**         <http://birdsource.cornell.edu/index>  
**PARAMETERS\_MEASURED**    avian species (observation)  
**LOCATIONS**     nationwide  
**NOTES**         This information was generated from the Bird Source website, developed and managed by the National Audubon Society and Cornell Lab of Ornithology.  
**CONTACT**

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BirdSource (Audubon and Cornell)  
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Phone    (000) 000-0000

Fax  
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**RESOURCE**      **Fauna**  
**PROGRAM**        Bird Species Breeding Monitoring  
**PURPOSE**        to determine breeding status of colony, nesting , shore and wading birds  
**INSTITUTION**    RIDEM  
**INTERVAL**        don't know  
**DATES**  
**DATA\_FORMAT**    Analog Report  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**         available upon request  
**PARAMETERS\_MEASURED**    breeding status  
**LOCATIONS**     throughout RI  
**NOTES**         data is found in year end reports.  
**CONTACT**

Lori Suprock

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**RESOURCE** Fauna  
**PROGRAM** Cooperative Agricultural Pest Survey (CAPS)  
**PURPOSE** Detect introduced or exotic invasive species-plants,insects,inverts,pathogens,etc.  
**INSTITUTION** USDA/APHIS  
**INTERVAL** Monitoring frequency depends on species of concern  
**DATES** 1982-on-going  
**DATA\_FORMAT** Digital Spreadsheet  
**URL** www.ceris.purdue.edu/napis/  
**QUALITY\_CONTROL** no  
**ACCESS** NAPIS database, public access  
**PARAMETERS\_MEASURED** Exotic species identified via trapping and visual surveys  
**LOCATIONS** Statewide, County basis  
**NOTES** This monitoring program is designed to detect invasive, non-indigenos species throughout the state. Sample design is dependant on specific species of concern and is linked to the national PPQ program that detemines which surveys should be conducted.

**CONTACT**

Lisa Tewksbury  
URI-Plant Sciences  
6 Greenhouse Road

Kingston, RI 02881  
Phone (401) 874-2750  
Fax (401) 874-2494  
lisat@uri.edu

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**RESOURCE** Fauna  
**PROGRAM** Daimonback Terrepian Population Study  
**PURPOSE** Establish population information for the Barrington area, and to preserve breeding habitat for the Diamondback Terrepian  
**INSTITUTION** Barrington Land Conservation Trust  
**INTERVAL** spring breeding season  
**DATES** 1990 to present  
**DATA\_FORMAT** Digital Spreadsheet  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS** Contact Charlotte Sornborger  
**PARAMETERS\_MEASURED** Diamondback terrepian (mark and recapture)  
**LOCATIONS** Barrington  
**NOTES**

**CONTACT**

Charlotte Sornborger  
Barrington Land  
1 Wildacre Lane

Barrington, RI 02806  
Phone (401) 245-8467  
Fax  
c\_sornborger@hotmail.com

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**RESOURCE**      **Fauna**  
**PROGRAM**      Fin Fish Monitoring Coastal Ponds  
**PURPOSE**      to assess finfish fishery in coastal ponds  
**INSTITUTION**    RIDEM  
**INTERVAL**      2 X mo. May - Oct.  
**DATES**        1993 to present  
**DATA\_FORMAT**    Digital Database  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**        Available upon request  
**PARAMETERS\_MEASURED**    length, weight, frequency  
**LOCATIONS**    16 sites in five coastal ponds and Narrow River  
**NOTES**  
**CONTACT**  
    Jennifer Temple  
    RIDEM  
    Coastal Fisheries Lab  
    1231 Succotash Road  
    Wakefield, RI 02879  
    Phone    (401) 783-2304  
    Fax      (401) 783-2760  
    jtemple@dem.state.ri.us

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**RESOURCE**      **Fauna**  
**PROGRAM**      Gill Net Monitoring Program  
**PURPOSE**      To assess pelagic gamefish for fisheries management  
**INSTITUTION**    RIDEM  
**INTERVAL**      monthly May - Oct.  
**DATES**        2000 to present  
**DATA\_FORMAT**    Digital Database  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**        available upon request  
**PARAMETERS\_MEASURED**    length, frequency, weight, otolith and scales  
**LOCATIONS**    eight stations in Narragansett Bay  
**NOTES**  
**CONTACT**  
    Dick Satchwill  
    RIDEM  
    Coastal Fisheries Lab  
    1231 Succotash Road  
    Wakefields, RI 02879  
    Phone    (401) 783-2304  
    Fax      (401) 783-2760  
    rsatchwi@dem.state.ri.us

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**RESOURCE** Fauna  
**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.  
**INSTITUTION** RI Sea Grant  
**INTERVAL** once per week GSO dock, monthly six other Bay stations  
**DATES** June 1999 to Sept 2002  
**DATA\_FORMAT** Digital Spreadsheet  
**URL**  
**QUALITY\_CONTROL** std protocols for abundance; calibrated temp/sal  
**ACCESS**  
**PARAMETERS\_MEASURED** Abundance (#/m<sup>3</sup>), volume (mls/m<sup>3</sup>) of *m leidyi*; abundance (#/m<sup>3</sup>) 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  
Phone (401) 874-6659  
Fax (401) 874-6160  
bsull@gso.uri.edu

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**RESOURCE** Fauna  
**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*)  
**INSTITUTION** WHOI Sea Grant  
**INTERVAL** Spring (May-June) Fall (Sept-Oct)  
**DATES** Oct 1998 - fall 2001  
**DATA\_FORMAT** Digital Spreadsheet  
**URL** None  
**QUALITY\_CONTROL** No formal techniques; on-site training  
**ACCESS** ?  
**PARAMETERS\_MEASURED** # of crabs/2 m<sup>2</sup> quadrat, 3-5 replicate quadrats sample at each sampling 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**  
Nancy J. O'Connor  
Department of Biology, UMass  
285 Old Westport Rd North Dartmouth, MA 02747  
Phone (508) 999-8217  
Fax (508) 999-8196  
noconnor@umassd.edu

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**RESOURCE** Fauna  
**PROGRAM** Jamestown Bird Survey  
**PURPOSE** Inventory the avian species that breed on and migrate through Jamestown, Rhode Island.  
**INSTITUTION** Jamestown Land Trust  
**INTERVAL** varies  
**DATES** ~ 1985  
**DATA\_FORMAT**  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS** Contact Candy Powell  
**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

Jamestown, RI 02832  
Phone (401) 423-1492  
Fax

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**RESOURCE** Fauna  
**PROGRAM** Jamestown Land Trust  
**PURPOSE** Inventoring the birds of Jamestown  
**INSTITUTION** Jamestown Land Trust  
**INTERVAL** Varies  
**DATES** 1985  
**DATA\_FORMAT**  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS** Contact Candy Powell  
**PARAMETERS\_MEASURED** Avian inventory (observation)  
**LOCATIONS** Jamestown  
**NOTES** This entry is incomplete, and may contain errors. More complete information to  
**CONTACT**  
Candy Powell  
Jamestown Land Trust.  
  
Jamestown, RI 02835  
Phone (401) 423-1492  
Fax

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**RESOURCE** Fauna  
**PROGRAM** Juvenile American Shad And river Herring Monitoring  
**PURPOSE** to assess the juvenile herring and shad population that are migrating downstream  
**INSTITUTION** RIDEM  
**INTERVAL** weekly or bi weekly June - Nov.  
**DATES** 1986 to present  
**DATA\_FORMAT** Analog Report  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS** available upon request  
**PARAMETERS\_MEASURED** frequency, length and weight (seine, cast net, trap net, weir  
**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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**RESOURCE** Fauna  
**PROGRAM** Juvenile Fin Fish Survey  
**PURPOSE** to assess populaion of recreationally and commercially important fin fish  
**INSTITUTION** RIDEM  
**INTERVAL** 1 X mo. June - Oct.  
**DATES** 1986 to present  
**DATA\_FORMAT** Digital Database  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS** available upon request  
**PARAMETERS\_MEASURED** temp, salinity, DO, length, frequency(on target species only)  
**LOCATIONS** 18 stations in Narr. Bay  
**NOTES**

**CONTACT**

Chris Powell  
RIDEM  
DEM Fish and Wildlife  
150 Fowler Street  
Wickford, RI 02852  
Phone (401) 294-4524  
Fax (401) 294-9640  
cpowell@dem.state.ri.us

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**RESOURCE** Fauna  
**PROGRAM** Kingston Wildlife Research Station  
**PURPOSE** Monitor fall migration of migratory birds  
**INSTITUTION** URI & RI Audubon Society  
**INTERVAL** Once every fall (7 Aug - 1 Nov)  
**DATES** 1958-1994; 1998-present  
**DATA\_FORMAT** Digital Spreadsheet  
**URL** None  
**QUALITY\_CONTROL** --  
**ACCESS** Available  
**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**

Dr. Peter Paton  
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Kingston, RI 02881  
Phone (401) 874-2986  
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ppaton@uri.edu

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**RESOURCE** Fauna  
**PROGRAM** Largemouth Bass Monitoring  
**PURPOSE** to determine frequency and growth rates of large mouth bass in RI ponds  
**INSTITUTION** RIDEM  
**INTERVAL** weekly Aug - Oct. (sometimes in spring)  
**DATES**  
**DATA\_FORMAT** Analog Report  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS** available upon request  
**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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**RESOURCE** Fauna  
**PROGRAM** Lobster Fishery Monitoring  
**PURPOSE** to assess the lobster fishery in Narr. Bay  
**INSTITUTION** RIDEM  
**INTERVAL** 2 inshore trips per mo.  
**DATES** 1991 to present  
**DATA\_FORMAT** Digital Database  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS** annual report summary upon request  
**PARAMETERS\_MEASURED** sex, size, cull status, mortality, pathology, shell disease, maturity  
**LOCATIONS** Narr. Bay and RI Sound  
**NOTES**  
**CONTACT**  
Tom Angell/ Scott Olszewski  
RIDEM  
Marine Fisheries  
1231 Succotash Road  
Wakefield, RI 02879  
Phone (401) 783-2304  
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solszews@dem.state.ri.us

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**RESOURCE** Fauna  
**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  
**INSTITUTION** RI Sea Grant, RI DEM  
**INTERVAL** Each site sampled annually end of settlement season  
**DATES** 1990-present  
**DATA\_FORMAT** Digital Spreadsheet  
**URL** None  
**QUALITY\_CONTROL**  
**ACCESS** Avai  
**PARAMETERS\_MEASURED** At each site, 12 half-meter squared quadrats suctioned sampled destructively rmving interstitial fauna; suction samples collected in 1.5 mm mesh bags. Orgs too large for suction sampler cght by hand & are msred 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**  
Dr. Richard Wahle  
Bigelow Lab  
Bigelow Laboratory for Ocean West Boothbay Harbor, ME 04575  
Phone (206) 633-9659  
Fax (206) 633-9641  
rwhale@bigelow.org

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**RESOURCE** Fauna  
**PROGRAM** Lobster shell disease program  
**PURPOSE** Monitor shell condition of lobsters in Dutch Harbor, Narr Bay as part of ongoing artificial reef project.  
**INSTITUTION** RI Sea Grant/CMER  
**INTERVAL** Weekly frm May to Oct  
**DATES** Mar 1997-Oct 2001  
**DATA\_FORMAT** Digital Spreadsheet  
**URL** None  
**QUALITY\_CONTROL** Training & methodology  
**ACCESS** Available  
**PARAMETERS\_MEASURED** Traps to capture lobsters. Shell disease index used to eval shell cndtn. Tag & recapture to frthr assess shell cndtn  
**LOCATIONS** Dutch Harbor, Narr Bay  
**NOTES** Project coordinated w/ RI DEM & similar data compiled at other sites thro sea sampling. Joint publication available.

**CONTACT**

Kathleen Castro  
Fisheries Center, URI  
East Farm Kingstons, RI 02881  
Phone (401) 874-5063  
Fax (401) 789-8930  
kcastro@uri.edu

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**RESOURCE** Fauna  
**PROGRAM** Lobster Tagging Program  
**PURPOSE** Acquire information on growth, egg extrusion, shell disease, migration & survival for American lobster.  
**INSTITUTION** NMFS S/K; CMER; RI Sea Grant  
**INTERVAL** Daily, as encountered  
**DATES** 1994-2003  
**DATA\_FORMAT** Digital GIS Coverage  
**URL** None  
**QUALITY\_CONTROL** Training wkshops,  
**ACCESS** Available  
**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

**CONTACT**

Kathleen Castro  
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**RESOURCE** Fauna  
**PROGRAM** Monitoring avian productivity & survivorship  
**PURPOSE** Monitor species composition & population dynamics of breeding birds  
**INSTITUTION** US Fish & Wildlife, URI  
**INTERVAL** 7 banding sessions/yr during (Jun-Aug)  
**DATES** 1991-2000  
**DATA\_FORMAT** Digital Spreadsheet  
**URL** None  
**QUALITY\_CONTROL** --  
**ACCESS** Available  
**PARAMETERS\_MEASURED** Age/Sex ratios, species composition, morphological characters; used mist nets  
**LOCATIONS** Trustum Pond NWR, Ninigret NWR  
**NOTES** Eddleman started program. Paton took over. 2000 1st yr of data. Prob not to be  
**CONTACT**  
Dr. Peter Paton  
Dept of Nat Resources Sciences,  
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Kingston, RI 02881  
Phone (401) 874-2986  
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ppaton@uri.edu

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**RESOURCE** Fauna  
**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.  
**INSTITUTION** URI  
**INTERVAL** 70s: Mar-Nov; 90s: daily Mar-May, Aug-Nov  
**DATES** 1970-1978, 1990-2000  
**DATA\_FORMAT** Analog Data Sheet  
**URL** None  
**QUALITY\_CONTROL** --  
**ACCESS** Available  
**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 drift fence 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**  
Dr. Peter Paton  
Department of Nat Rscs, URI  
--  
Kingston, RI 02881  
Phone (401) 874-2986  
Fax (401) 874-4561  
ppaton@uri.edu

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**RESOURCE** Fauna  
**PROGRAM** Narr Bay Rapid Assess. Survey fr Mrne bioinvasive spp  
**PURPOSE** Catalogue mrne bioinvasive spp in RI coastal waters  
**INSTITUTION** RI Sea Grant; RI CRMC; RI DEM; RI Nat History svry  
**INTERVAL** every five years; frst yr: Aug 2000  
**DATES** 2000-present  
**DATA\_FORMAT** Digital Spreadsheet  
**URL**  
**QUALITY\_CONTROL** Bst Prof Jdgmnts of team of taxonomic experts  
**ACCESS**  
**PARAMETERS\_MEASURED** invert orgs & algae sampling of encrusting & epiphytic communs on floating docks. Field & lap verfcath of smpled orgs. Sme smpling of adjacent shrline habitats  
**LOCATIONS** Stn 1: Narr Boat Club, Seekon 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  
**NOTES** Conducted in conjunction with similar study sponsored by MIT Sea Grant same year in Massachusetts. Taxonomonic experts team assembled and supervised by Dr. James Carlton of Mystic Seaport/Williams College Marine Studies Program.

**CONTACT**

Kevin R. Cute  
RI CRMC  
4808 Tower Hill Rd Wakefield, RI 02879  
Phone (401) 783-3370  
Fax (401) 874-3767  
k\_cute@crmc.state.ri.us

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**RESOURCE** Fauna  
**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)  
**INSTITUTION** NOAA/NMFS  
**INTERVAL** variable  
**DATES** 2000-2004  
**DATA\_FORMAT** Analog Report  
**URL** [www.nmfs.noaa.gov/habitat/restoration](http://www.nmfs.noaa.gov/habitat/restoration)  
**QUALITY\_CONTROL** unknown  
**ACCESS** limited  
**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  
NOAA/NMFS  
Tarzwell Drive Narragansett, RI 02881  
Phone (401) 782-3338  
[james.g.turek.noaa.gov](mailto:james.g.turek.noaa.gov)

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**RESOURCE** Fauna  
**PROGRAM** Norman Bird Sanctuary  
**PURPOSE** Educational - Amphibian monitoring; for management purposes - grassland avian nesting species; for marshland restoration - marshland survey,  
**INSTITUTION** Norman Bird Sanctuary  
**INTERVAL** Varies with program  
**DATES** 1995 to present for grassland study  
**DATA\_FORMAT** Digital Spreadsheet  
**URL** <http://www.normanbirdsanctuary.org/home.shtml>  
**QUALITY\_CONTROL** Varies with program  
**ACCESS** Contact sanctuary  
**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.

**CONTACT**

Veronica Hinds  
Norman Bird Sanctuary  
583 Third Beach Rd

Middletown, RI 02842  
Phone (401) 846-2577  
Fax (401) 846-2772  
[vhinds@normanbirdsanctuary.org](mailto:vhinds@normanbirdsanctuary.org)

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**RESOURCE** Fauna  
**PROGRAM** Quonochontaug Pond Filwshp/Salt Pond Rsch Filwshp  
**PURPOSE** Conduct baseline & monitoring studies of habitat in Ninigret, Quonochontaug, & Winnapaug Ponds  
**INSTITUTION** URI Grad School of Oceanography  
**INTERVAL** O2 in summ. Shllfish evry 1-2 yrs. WF evry yr.  
**DATES** 1999-2003 definitely  
**DATA\_FORMAT** Digital Spreadsheet  
**URL** <http://espo.gso.uri.edu/~kford/sp>  
**QUALITY\_CONTROL**  
**ACCESS** Avai on Web  
**PARAMETERS\_MEASURED** oxygen; shellfish (quadrats); winter flounder  
**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**

Kathryn Ford  
Grad School of Oceanography,  
S Ferry Rd

Narragansett, RI 02882  
Phone (401) 874-6182  
Fax (401) 874-6811  
[khford@gso.uri.edu](mailto:khford@gso.uri.edu)

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**RESOURCE** Fauna  
**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  
**INSTITUTION** RIDEM  
**INTERVAL** 1X yr in spring/summer season  
**DATES** 1992 to present  
**DATA\_FORMAT** Digital Spreadsheet  
**URL**  
**QUALITY\_CONTROL** standard methods  
**ACCESS** available upon request  
**PARAMETERS\_MEASURED** macroinvertebrates using RBP  
**LOCATIONS** 45 stream riffle areas in RI  
**NOTES**  
**CONTACT**  
Robert Richardson  
RIDEM  
Office of Water Resources  
235 Promenade St.  
Providence, RI 02908  
Phone (401) 222-4700  
Fax (401) 222-3564  
rrichard@dem.ri.state.us

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**RESOURCE** Fauna  
**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.  
**INSTITUTION** Raytheon Corporation  
**INTERVAL** Year round  
**DATES** October 1999 to present  
**DATA\_FORMAT** Other (Describe in Notes)  
**URL** <http://rewhc.org/home.shtml>  
**QUALITY\_CONTROL** In consultation with a variety of professional  
**ACCESS** Available on the website  
**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  
Rte 138 Portsmouth, RI 02871  
Phone (401) 842-2350  
Fax  
director@rewhc.org.

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**RESOURCE**      **Fauna**  
**PROGRAM**        Rhode Island Odonata Atlas  
**PURPOSE**        To identify and record the Odonata species found in Rhode Island  
**INSTITUTION**    The Nature Conservancy - RI Chapter  
**INTERVAL**        Spring until fall  
**DATES**            1998 to 2003  
**DATA\_FORMAT**    Digital Database  
**URL**              <http://nature.org/states/rhodeisland/>  
**QUALITY\_CONTROL**    Standard methods  
**ACCESS**          Contact Ginger Carpenter  
**PARAMETERS\_MEASURED**    Odonata species collected  
**LOCATIONS**      wetland complexes statewide

**NOTES**

**CONTACT**

Ginger Carpenter  
The Nature Conservancy - Rhode  
159 Waterman Street

Providence, RI 02906  
Phone (401) 331-7110  
Fax (401) 273-4902

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**RESOURCE**      **Fauna**  
**PROGRAM**        RI Audubon Bird a Thon  
**PURPOSE**        To inventory the avian species that breed in, and migrate through RI, to promote conservation of habitat  
**INSTITUTION**    The Audubon Society of Rhode Island  
**INTERVAL**        varies  
**DATES**  
**DATA\_FORMAT**  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**  
**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](mailto:dmathurin@asri.org)

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**RESOURCE** Fauna  
**PROGRAM** Shellfish disease survey, state of RI  
**PURPOSE** Survey presence of diseases in wild & cultured oysters & quohogs in RI waters.  
**INSTITUTION** RI DEM, Fish & Wildlife  
**INTERVAL** twice yrly: Aug/Nov. Temp: evry 10 mins  
**DATES** May 1998-Nov 2001 (at least)  
**DATA\_FORMAT** Digital Spreadsheet  
**URL** None  
**QUALITY\_CONTROL** histology slides read by 2 diff individuals  
**ACCESS** Not Avai  
**PARAMETERS\_MEASURED** dermo p. marinus (RFTM culture mthd/PCR); MSX h. nelsoni (histology/PCR); SSO h. costale (histology/PCR); othr disease cdtns like bacteria, inflammation, neoplasia (histology); water temp. (data loggers)  
**LOCATIONS** Barrington Riv; Kickemuit Riv; Spectacle Cove; Prudence Island; Greene's Riv; Greenwich Bay; Wickford Cove; Pt Judith Pnd (wild/farmed); Charlestown Pnd; Winnapaug Pnd (frmd); Pawcatuck Riv; Block Islnd (wild/farmed).

#### NOTES

#### CONTACT

Dr. Marta Gomez-Chiarri  
Depart fisheries, animal, & vet  
127 Woodward Hall Kingston, RI 02881  
Phone (401) 874-2917  
Fax (401) 874-4017  
gomezchi@uri.edu

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**RESOURCE** Fauna  
**PROGRAM** Shellfish Monitoring Program Shoreline Surveys  
**PURPOSE** To locate actual and potential bacterial sources to shellfish growing areas  
**INSTITUTION** RIDEM  
**INTERVAL** once/3 years with spot checking every year  
**DATES** 1979 to present  
**DATA\_FORMAT** Analog Report  
**URL** N/A  
**QUALITY\_CONTROL** standard methods and NSSP requirements  
**ACCESS** available upon request  
**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

Joe Migliore  
RIDEM  
Office of Water Resources  
235 Promenade St.  
Providence, RI 02908  
Phone (401) 222-4700  
Fax (401) 222-3564  
jmiglior@dem.state.ri.us

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**RESOURCE** Fauna  
**PROGRAM** Summer Inland Breeding Survey of Canadian Geese  
**PURPOSE** to assess population of breeding canadian geese  
**INSTITUTION** RIDEM  
**INTERVAL** dn  
**DATES**  
**DATA\_FORMAT**  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**  
**PARAMETERS\_MEASURED** number of breeding canadian geese  
**LOCATIONS** throughout RI  
**NOTES**  
**CONTACT**  
Lori Suprock  
RIDEM  
Great Swamp Field Hq  
P.O. Box 218  
W. Kingston, RI 02892  
Phone (401) 789-0281  
Fax (401) 783-7490  
Lsuprock@mindspring.com

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**RESOURCE** Fauna  
**PROGRAM** Upland Game Species Monitoring  
**PURPOSE** to assess population of upland game species  
**INSTITUTION** RIDEM  
**INTERVAL** dn  
**DATES**  
**DATA\_FORMAT**  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**  
**PARAMETERS\_MEASURED** deer ?????  
**LOCATIONS** throughout RI  
**NOTES**  
**CONTACT**  
Lori Suprock  
RIDEM  
Great Swamp Field Hq  
P.O. Box 218  
W. Kingston, RI 02892  
Phone (401) 789-0281  
Fax (401) 783-7490  
Lsuprock@mindspring.com

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**RESOURCE** Fauna  
**PROGRAM** Waterfowl Survey  
**PURPOSE** to count waterfowl  
**INSTITUTION** RIDEM  
**INTERVAL** don't know  
**DATES**  
**DATA\_FORMAT**  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**  
**PARAMETERS\_MEASURED** numbers of ducks, geese and swans  
**LOCATIONS** throughout RI  
**NOTES**  
**CONTACT**  
Lori Suprock  
RIDEM  
Great Swamp Field Hq  
P.O. Box 218  
W. Kingston, RI 02892  
Phone (401) 789-0281  
Fax (401) 783-7490  
Lsuprock@mindspring.com

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**RESOURCE** Fauna, Flora  
**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.  
**INSTITUTION** URI Depart of Nat Rsce Scnce, RI DEM  
**INTERVAL** Contact F. Golet for details  
**DATES** 1992-1997  
**DATA\_FORMAT** Digital Spreadsheet  
**URL**  
**QUALITY\_CONTROL** Pilot studies to insure min nece sample size  
**ACCESS**  
**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  
**LOCATIONS** Galilee Bird Sanctuary & Bluff Hill Cove  
**NOTES**  
**CONTACT**  
Dr. Frank Golet  
URI Depart. Of Nat Rsce Scne  
108 Coastal Institute at Kingston  
1 Greenhouse Rd  
Kingston, RI 02881  
Phone (401) 874-2916  
Fax (401) 874-4561  
fgswamps@uri.edu

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**RESOURCE** **Flora**  
**PROGRAM** Assessing Status of Narr Bay Saltmarsh Plant Communities  
**PURPOSE** Develop 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.  
**INSTITUTION** RI Sea Grant, Brown Univ.  
**INTERVAL** Contact Dr. Bertness for details  
**DATES** 1997-2002  
**DATA\_FORMAT** Digital Spreadsheet  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**  
**PARAMETERS\_MEASURED** Tidal heights of plant zonal borders w/ std survey equip. Primary production of all zoanl dominant marsh plants at each site using end of season biomass. Secondary production 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., Department of Ecology  
Department of Evolutionary Ecology  
Providence, RI 02912  
Phone (401) 863-2280  
Fax (401) 863-2166  
mark\_bertness@brown.edu

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**RESOURCE** **Flora**  
**PROGRAM** Water-table Activity in forested wetlands in southern 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.  
**INSTITUTION** Department of Nat. Resources Science, URI AES  
**INTERVAL** Every 3 weeks between mid-April & mid-December  
**DATES** April 1976-December 1982  
**DATA\_FORMAT** Analog Data Sheet  
**URL**  
**QUALITY\_CONTROL** N/A  
**ACCESS**  
**PARAMETERS\_MEASURED** Position of groundwater table or surface water level w/ 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  
Department of Nat Resources Science, URI  
108 Coastal Institute in Kingston  
1 Greenhouse Rd  
Kingston, RI 02881  
Phone (401) 874-2916  
Fax (401) 874-4561  
fgswamps@uri.edu

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**RESOURCE**      **Land**  
**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.  
**INSTITUTION**    URI Depart of Geoscnces, RI Sea Grant, RI CRMC  
**INTERVAL**      Weekly & bfre & afr mjr storms  
**DATES**          1977 to present  
**DATA\_FORMAT**    Digital Spreadsheet  
**URL**  
**QUALITY\_CONTROL**    Extensive: Contact J. Boothroyd  
**ACCESS**  
**PARAMETERS\_MEASURED**      Bch prfiles msred perpend to shreline & 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

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**RESOURCE**      **Land**  
**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.  
**INSTITUTION**    RI Ag. Exp. Station  
**INTERVAL**      10-15 yrs; 30 m spatial resolution;  
**DATES**          2000-2003  
**DATA\_FORMAT**    Digital GIS Coverage  
**URL**      forthcoming  
**QUALITY\_CONTROL**    Groundtruthing & thematic accuracy assessment  
**ACCESS**  
**PARAMETERS\_MEASURED**      Land cover types following USGS clssfication system; visible light to thermal portion of electromag spectrum

**LOCATIONS**    Statewide

**NOTES**

**CONTACT**

Dr. Y. Q. Wang  
Depart of Nat Rsrces; URI  
1 Greenhouse Rd  
Kingston, RI 02881  
Phone (401) 874-4345  
Fax (401) 874-4561  
yqwang@uri.edu

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**RESOURCE**      **Land**  
**PROGRAM**      Superfund  
**PURPOSE**      Hazardous waste site clean-up and remediation  
**INSTITUTION**    Dept. of Defense, U.S. Navy  
**INTERVAL**      quarterly sampling  
**DATES**          on going  
**DATA\_FORMAT**    Analog Report  
**URL**  
**QUALITY\_CONTROL**    SF QA/QC protocols  
**ACCESS**          quarterly reports available to public  
**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**

Kymerlee Keckler  
US EPA, Region 1  
1 Congress Street

Boston, MA 02114  
Phone (617) 918-1385  
Fax  
keckler.kymerlee@epa.gov

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**RESOURCE**      **Misc**  
**PROGRAM**      Blackstone Valley National Heritage Corridor  
**PURPOSE**      Educational  
**INSTITUTION**    National Park Service  
**INTERVAL**      varies  
**DATES**  
**DATA\_FORMAT**  
**URL**      <http://www.nps.gov/blac/home.htm>  
**QUALITY\_CONTROL**  
**ACCESS**          Contact program coordinator  
**PARAMETERS\_MEASURED**    Vary according to project  
**LOCATIONS**      Blackstone River Valley sites  
**NOTES**

**CONTACT**

Dan Meharg  
Blackstone Valley National  
One Depot Square

Woonsocket, RI 02895  
Phone (401) 762-0250  
Fax  
Dan\_Meharg@nps.gov

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**RESOURCE**      **Water**  
**PROGRAM**      Beach Monitoring Program  
**PURPOSE**      To monitor beach water quality for the protection of human health  
**INSTITUTION**      RIDOH  
**INTERVAL**      dependent on location and past history  
**DATES**      1994 to present  
**DATA\_FORMAT**      Digital Database  
**URL**      www.health.state.ri.us  
**QUALITY\_CONTROL**      QA/QC protocol and standard methods  
**ACCESS**      online and raw data available upon request  
**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  
3 Capitol Hill  
Providence, RI 02908  
Phone      (401) 222-2749  
Fax      (401) 222-4775  
ribeaches@doh.state.ri.us

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**RESOURCE**      **Water**  
**PROGRAM**      Biotxin Shellfish Poisoning Sampling  
**PURPOSE**      To assure shellfish in shellfish growing areas are free of biotoxins  
**INSTITUTION**      RIDEM  
**INTERVAL**      1X week  
**DATES**      2001  
**DATA\_FORMAT**      Analog Data Sheet  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**      available upon request  
**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**  
Joe Migliore  
RIDEM  
Office of Water Resources  
235 Promenade St.  
Providence, RI 02908  
Phone      (401) 222-4700  
Fax      (401) 222-3564  
jmiglior@dem.state.ri.us

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**RESOURCE**      **Water**  
**PROGRAM**      Blackstone Valley National Heritage Corridor  
**PURPOSE**      Primarily educational, operated through Woonsocket High School  
**INSTITUTION**      National Park Service  
**INTERVAL**      3 days weekly during school year  
**DATES**      ~1998

**DATA\_FORMAT**

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

**QUALITY\_CONTROL**

**ACCESS**      Contact Dan Meharg

**PARAMETERS\_MEASURED**      water quality

**LOCATIONS**      3 Blackstone River Valley sites

**NOTES**

**CONTACT**

Dan Meharg  
Blackstone Valley National  
One Depot Square

Woonsocket, RI 02895  
Phone (401) 762-0250  
Fax  
Dan\_Meharg@nps.gov

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**RESOURCE**      **Water**  
**PROGRAM**      Blue Water Task Force Beachscape  
**PURPOSE**      To assess water quality along Rhode Island's coastal beaches and surfing sites  
**INSTITUTION**      Rhode Island Surfrider Foundation  
**INTERVAL**      monthly in summer  
**DATES**      2000 to present

**DATA\_FORMAT**      Digital Spreadsheet

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

**QUALITY\_CONTROL**      Standard methods, published protocols

**ACCESS**      Website, or from URI Watershed Watch

**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](mailto:uriww@etal.uri.edu))

**CONTACT**

Jill Bodnar  
Rhode Island Surfrider Foundation

Kingston, RI 02881  
Phone (401) 874-5054  
Fax  
[jill@edc.uri.edu](mailto:jill@edc.uri.edu)

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**RESOURCE**      **Water**  
**PROGRAM**      Chemical Baseline Monitoring  
**PURPOSE**      To develop a baseline profile of water quality in the state  
**INSTITUTION**      RIDEM  
**INTERVAL**      1X quarter  
**DATES**      1991 to present  
**DATA\_FORMAT**      Digital Database  
**URL**  
**QUALITY\_CONTROL**      QA/QC plan approved by EPA  
**ACCESS**      available upon request  
**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**

**CONTACT**

Connie Carey  
RIDEM  
Office of Water Resources  
235 Promenade St.  
Providence, RI 02908  
Phone (401) 222-4700  
Fax (401) 222-3564  
ccarey@dem.state.ri.us

**RESOURCE**      **Water**  
**PROGRAM**      Drinking Water Monitoring  
**PURPOSE**      To assess quality of drinking water for protection of human health  
**INSTITUTION**      RIDOH  
**INTERVAL**      dependent of requirements from EPA  
**DATES**      early 80's to present  
**DATA\_FORMAT**      Digital Database  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**      available upon request  
**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**

Clay Commons  
RIDOH  
Rm 209 Drinking Water Quality  
3 Capitol Hill  
Providence, RI 02908  
Phone (401) 222-6867  
Fax (401) 222-6953  
safewater@doh.state.ri.us



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**RESOURCE**      **Water**  
**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  
**INSTITUTION**    NOAA/RIDEM  
**INTERVAL**      continuous at 30 minute intervals.  
**DATES**          1980- on-going  
**DATA\_FORMAT**    Digital Database  
**URL**            www.ocrm.nos.noaa.gov/nerr/reserves/nernarraganset  
**QUALITY\_CONTROL**    QA/QC protocols in place  
**ACCESS**        public access -world wide web  
**PARAMETERS\_MEASURED**      Water quality measurements include: temperature, salinity, dissolved oxygen, depth, turbidity, and chlorophyl.  
**LOCATIONS**    Potters Cove, T-Warf (Prudence Island)  
**NOTES**        DO surveys for Narragansett Bay are also conducted under this program.

**CONTACT**

Roger Greene  
RIDEM  
55 South Reserve Drive  
Prudence Island, RI 02872  
Phone (401) 683-6780  
Fax (401) 682-1936

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**RESOURCE**      **Water**  
**PROGRAM**      Pawcatuck Watershed Monitoring  
**PURPOSE**      To track water quality changes and educate the public.  
**INSTITUTION**    Wood Pawcatuck Watershed Association  
**INTERVAL**      Weekly, Biweekly, and Monthly in Spring and Summer  
**DATES**          Began in 1998, still underway  
**DATA\_FORMAT**    Digital Spreadsheet  
**URL**            www.watershed.envstudies@Brown.edu  
**QUALITY\_CONTROL**    Standard procedures ...  
**ACCESS**        Report is published annually  
**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**

Denise Burgess  
Wood Pawcatuck Watershed  
Wood Pawcatuck Watershed  
203B Arcadia Road  
Hope Valley, RI 02832  
Phone (401) 539-9017  
Fax (401) 539-7450  
WPWA@mindspring.com

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**RESOURCE**      **Water**  
**PROGRAM**      Pawtuxet River Authority  
**PURPOSE**      Environmental education, and to measure water quality for watershed management and health.  
**INSTITUTION**   Pawtuxet River Authority  
**INTERVAL**      Monthly-year round  
**DATES**          1994 to present  
**DATA\_FORMAT**   Digital Spreadsheet  
**URL**            www.pawtuxet.org  
**QUALITY\_CONTROL**  
**ACCESS**        Contact Guy Lefebvre  
**PARAMETERS\_MEASURED**    Temperature, pH, DO, flow/water level, hardness.  
**LOCATIONS**    12 Stations along the Pawtuxet River  
**NOTES**  
**CONTACT**  
    Guy Lefebvre  
    Pawtuxet River Authority  
    Box 336  
  
    West Warwick, RI 02893  
    Phone    (401) 739-7635  
    Fax      (401) 736-7635  
    guylefebvre@pawtuxet.org

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**RESOURCE**      **Water**  
**PROGRAM**      Providence River Sampling  
**PURPOSE**      to assess the water quality of the Providence River  
**INSTITUTION**   NBC  
**INTERVAL**      weekly  
**DATES**          2000 to present  
**DATA\_FORMAT**   Digital Database  
**URL**            narrabay.com  
**QUALITY\_CONTROL**    QA/QC protocol and standard methods  
**ACCESS**        available upon request  
**PARAMETERS\_MEASURED**    fecal coliform, total/diss. Metals, TSS, TKN, TP, NH3, pH, temp., DO, salinity  
**LOCATIONS**    11 sites on river  
**NOTES**        Data will be available on web site end of summer 2001  
**CONTACT**  
    Sharon Pavignano  
    NBC  
    Bucklin Point Facility  
    102 Campbell Avenue  
    Rumford, RI 02916  
    Phone    (401) 222-4068  
    Fax      (401) 222-2807  
    spavignano@narrabay.com

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**RESOURCE** **Water**  
**PROGRAM** Prudence Island Conservancy Citizens Monitoring Program  
**PURPOSE** Develop baseline data and water quality trends on Prudence Island.  
**INSTITUTION** Prudence Island Conservancy and NBNERR  
**INTERVAL** Weekly, Year round  
**DATES** 1989 to present  
**DATA\_FORMAT** Digital Spreadsheet  
**URL** not available  
**QUALITY\_CONTROL** Standard Methods  
**ACCESS** Contact Dr. Kenny Rapoza  
**PARAMETERS\_MEASURED** Air Temperature (weather station), Wind (weather station), Water Temperature (Hyrdolab meter), Rainfall (chart recorder), pH (benchtop meters), Dissolved Oxygen (Hyrdolab 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**

Dr. Kenny Rapoza  
NBNERR  
Prudence Conservancy  
0113 Mount Pleasant Ave.  
Prudence Island, RI 02872  
Phone (401) 683-6780  
Fax (401) 682-1936  
Kenny@gso.uri.edu

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**RESOURCE** **Water**  
**PROGRAM** Quonochontaug Pond Fllwshp/Salt Pond Rsch Fllwshp  
**PURPOSE** Conduct baseline & monitoring studies of pollution in Ninigret, Quonochontaug, & Winnapaug Ponds  
**INSTITUTION** URI Grad School of Oceanography  
**INTERVAL** Shellfish annually; Seds evry 5 to 10 yrs if poss  
**DATES** 1999-2003 definitely  
**DATA\_FORMAT** Digital Spreadsheet  
**URL** <http://espo.gso.uri.edu/~kford/sp>  
**QUALITY\_CONTROL** Duplicates, spikes, blanks, low RPDs  
**ACCESS** Avai on Web  
**PARAMETERS\_MEASURED** Annually: Shllfish tissue loads of metals (GFAA); organics (GC-MS); Cr, Zn, Cu, Pb, As, Ag, Cd, PCBs, PAHs, OCPs. Seds msred periodically (grain size/TOC)  
**LOCATIONS** Quonochontaug mainly; expand to Winnapaug/Ninigret if funding avai  
**NOTES** Sediment cores are being examined for changes associated w/ major storm events (hurricances).

**CONTACT**

Kathryn Ford  
Grad School of Oceanography,  
S Ferry Rd  
Narragansett, RI 02882  
Phone (401) 874-6182  
Fax (401) 874-6811  
khford@gso.uri.edu

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**RESOURCE**      **Water**  
**PROGRAM**      Quonochontaug Pond Fllwshp/Salt Pond Rsch Fllwshp  
**PURPOSE**      Conduct baseline & monitoring studies of circulation in Ninigret, Quonochontaug, & Winnapaug Ponds  
**INSTITUTION**      URI Grad School of Oceanography  
**INTERVAL**      Twice per yr; more often if dredging occurs  
**DATES**      1999-2003 definitely  
**DATA\_FORMAT**      Digital Spreadsheet  
**URL**      <http://espo.gso.uri.edu/~kford/sp>  
**QUALITY\_CONTROL**  
**ACCESS**      Avai on Web  
**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**  
Kathryn Ford  
Grad School of Oceanography,  
S Ferry Rd  
Narragansett, RI 02882  
Phone (401) 874-6182  
Fax (401) 874-6811  
[khford@gso.uri.edu](mailto:khford@gso.uri.edu)

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**RESOURCE**      **Water**  
**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  
**INSTITUTION**      NBC  
**INTERVAL**      weekly  
**DATES**      1998 to present  
**DATA\_FORMAT**      Digital Database  
**URL**      [narrabay.com](http://narrabay.com)  
**QUALITY\_CONTROL**      QA/QC protocol and standard methods  
**ACCESS**      available upon request  
**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. Data will be available on web site by end of summer 2001.  
**CONTACT**  
Sharon Pavignano  
NBC  
Bucklin Point Faciltiy  
102 Campbell Avenue  
Rumford, RI 02916  
Phone (401) 222-4068  
Fax (401) 222-2807  
[spavignano@narrabay.com](mailto:spavignano@narrabay.com)

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**RESOURCE**      **Water**  
**PROGRAM**      RI Pollution Discharge Elimination System Monitoring  
**PURPOSE**      to monitor point sources of wastewater into RI surface waters  
**INSTITUTION**      RIDEM  
**INTERVAL**      dependent on nature of discharge  
**DATES**      1983 to present  
**DATA\_FORMAT**      Digital Database  
**URL**  
**QUALITY\_CONTROL**      standard methods  
**ACCESS**      available upon request  
**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  
235 Promenade Street  
Providence, RI 02908  
Phone      (401) 222-4700  
Fax      (401) 222-3564  
ebeck@dem.state.ri.us

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**RESOURCE**      **Water**  
**PROGRAM**      Runnins River Monitoring  
**PURPOSE**      To assess conditions in the lower Runnins River and Hundred Acre Cove  
**INSTITUTION**      Pokanoket Watershed Alliance  
**INTERVAL**      monthly  
**DATES**      1991 - ongoing  
**DATA\_FORMAT**      Digital Spreadsheet  
**URL**      0  
**QUALITY\_CONTROL**      0  
**ACCESS**      DEM TMDL program has this data - Heidi Travers  
**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  
0  
0  
0  
0, RI 00000  
Phone      (401) 433-2908  
Fax  
0

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**RESOURCE**      **Water**  
**PROGRAM**        Runnins River Task Force  
**PURPOSE**        To identify and mitigate sources of bacterial contamination to the Runnins River  
**INSTITUTION**    Pokanoket Watershed Alliance  
**INTERVAL**        .  
**DATES**            ~1994  
**DATA\_FORMAT**  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**  
**PARAMETERS\_MEASURED**      Fecal coliform  
**LOCATIONS**      Multiple sites on the Runnins River  
**NOTES**  
**CONTACT**  
    Carolyn Faulhaber  
    Pokanoket Watershed Alliance  
    1 Craig Drive  
  
    Barrington, RI 02806  
    Phone    (401) 245-3036  
    Fax  
    .

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**RESOURCE**      **Water**  
**PROGRAM**        Salt Pond Watchers  
**PURPOSE**        Develop a data base of surface water quality in the seven coastal lagoons in the Salt Ponds Watershed.  
**INSTITUTION**    Salt Ponds Coalition  
**INTERVAL**        Biweekly for the summer months  
**DATES**            1985 to present  
**DATA\_FORMAT**    Digital Spreadsheet  
**URL**              www.saltpondscoalition.org  
**QUALITY\_CONTROL**      Standard methods  
**ACCESS**        Contact Executive Director Vic Dvorak 401-322-1105  
**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

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**RESOURCE**      **Water**  
**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.  
**INSTITUTION**    Save The Bay  
**INTERVAL**        monthly for WQ, seasonal for fauna  
**DATES**            1993 to present  
**DATA\_FORMAT**    Digital Spreadsheet  
**URL**              <http://www.savebay.org/>  
**QUALITY\_CONTROL**    Standard method  
**ACCESS**         Contact Wenley Ferguson  
**PARAMETERS\_MEASURED**    Dissolved Oxygen (LaMotte kits), Water clarity (Secchi disk), and Temperature (thermometers), seal counts (observation), horseshoe crab spawning counts (observation), eel grass  
**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**

Wenley Ferguson  
Save The Bay  
434 Smith Street

Providence, RI 02908  
Phone (401) 273-3540  
Fax (401) 273-7153  
wferguson@savebay.org

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**RESOURCE**      **Water**  
**PROGRAM**        Seekonk River Monitoring  
**PURPOSE**        To assess water quality of the Seekonk River  
**INSTITUTION**    NBC  
**INTERVAL**        weekly  
**DATES**            2000 to present  
**DATA\_FORMAT**    Digital Database  
**URL**              [narabay.com](http://narabay.com)  
**QUALITY\_CONTROL**    QA/QC protocol and standard methods  
**ACCESS**         available upon request  
**PARAMETERS\_MEASURED**    fecal coliform, total/diss metals, TSS, TKN, TP, NH3, pH, temp, DO, salinity  
**LOCATIONS**      9 sites on river  
**NOTES**          data will be available on web site by end of summer 2001  
**CONTACT**

Sharon Pavignano  
NBC  
Bucklin Point Facility  
102 Campbell Avenue  
Rumford, RI 01916  
Phone (401) 222-4068  
Fax (401) 222-2807  
spavignano@narabay.com

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**RESOURCE**      **Water**  
**PROGRAM**      Smithfield HS/Blackstone Rv Watershed Education Project  
**PURPOSE**      To conduct biological tests on the Blackstone and Woonasquatucket Rivers.  
**INSTITUTION**    Massachusetts Audubon Society  
**INTERVAL**      At least 3 times during the academic year  
**DATES**          1992 to present  
**DATA\_FORMAT**    Digital Spreadsheet  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**          Contact Donna Williams  
**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**

Donna Williams  
Massachusetts Audubon  
314 Massasoit Rd.

Worcester, MA 01604  
Phone (508) 753-6087  
Fax  
dwilliams@massaudubon.org

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**RESOURCE**      **Water**  
**PROGRAM**      Ten Mile River Sampling  
**PURPOSE**      To asses the water quality status of the Ten Mile River  
**INSTITUTION**    NBC  
**INTERVAL**      monthly  
**DATES**          2000 to present  
**DATA\_FORMAT**    Digital Database  
**URL**            narrabay.com  
**QUALITY\_CONTROL**    QA/QC protocol and standard methods  
**ACCESS**          available upon request  
**PARAMETERS\_MEASURED**    Fecal coliform, total/ diss. metals, TSS, TKN, TP, NH3, pH, temp  
**LOCATIONS**    8 stations on the river  
**NOTES**          All station are downstream of NBC facilities. Data will be on website by end of summer 2001.

**CONTACT**

Sharon Pavignano  
NBC  
Bucklin Point Facility  
102 Campbell Avenue  
Rumford, RI 02916  
Phone (401) 222-4068  
Fax (401) 222-2807  
spavignano@narrabay.com

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**RESOURCE**      **Water**

**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

**INSTITUTION**    URI Cooperative Extension

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

**DATES**          1988 to present

**DATA\_FORMAT**    Digital Spreadsheet

**URL**            [www.edc.uri.edu/uriww](http://www.edc.uri.edu/uriww)

**QUALITY\_CONTROL**    Standard Methods, approved QAPP

**ACCESS**        Report published biannually

**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  
105 Coastal Institute Building  
Kingston, RI 02881  
Phone    (401) 874-2095  
Fax      (401) 874-4561  
[uriww@etal.uri.edu](mailto:uriww@etal.uri.edu)

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**RESOURCE**      **Water**  
**PROGRAM**        Volunteer DO Night Survey  
**PURPOSE**        To measure overnight decreases in DO across upper half of Narr. Bay during neap tides  
**INSTITUTION**    Multi Agency/Institution Effort Coord. by NBEP  
**INTERVAL**        2 X yr.  
**DATES**            1999 to present  
**DATA\_FORMAT**    Digital Database  
**URL**  
**QUALITY\_CONTROL**    YSI recommended QA/QC data is reviewed by 3 people  
**ACCESS**          not currently available  
**PARAMETERS\_MEASURED**    DO, depth,temperature, salinity by meter and location by GPS  
**LOCATIONS**      110 sites first sampling event in 1999, 95 sites second sampling event in 1999 and 80 sites in 2000  
**NOTES**          Data is still being analyzed. Half of it is in digital format and the other half is hard  
**CONTACT**  
Christopher Deacutis  
RIDEM  
RI Narr. Bay Estuary Program  
235 Promenade Street  
Providence, RI 02908  
Phone (401) 222-4700  
Fax (401) 222-3564  
deacutis@etal.uri.edu

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**RESOURCE**      **Water**  
**PROGRAM**        Water Column Nutrients  
**PURPOSE**        Observe long-term changes in chlorophyll, ammonia, nitrite, nitrate, phosphate, & silicate.  
**INSTITUTION**    URI Grad School of Oceanography  
**INTERVAL**        Weekly  
**DATES**            Fall 1976 to present  
**DATA\_FORMAT**    Digital Database  
**URL**            none  
**QUALITY\_CONTROL**    see MERL Manual 3rd edition, 1994  
**ACCESS**          Available  
**PARAMETERS\_MEASURED**    All methods, precision, accuracy, & quality control summarized in MERL Manual, 3rd edition, 1994  
**LOCATIONS**      GSO dock  
**NOTES**  
**CONTACT**  
Dr. Candace Oviatt  
URI Grad School of Oceanography  
South Ferry Rd  
  
Narragansett, RI 02882  
Phone (401) 874-6132  
Fax  
coviatt@gso.uri.edu

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**RESOURCE** [Water, Fauna](#)  
**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.  
**INSTITUTION** Save The Bay  
**INTERVAL** monthly  
**DATES** 1993 to present  
**DATA\_FORMAT**  
**URL** <http://www.savebay.org/>  
**QUALITY\_CONTROL** Standard methods  
**ACCESS** Contact Wenley Ferguson  
**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

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**RESOURCE** [Water, Fauna](#)  
**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 states.  
**INSTITUTION** U.S. EPA in partnership with the coastal states  
**INTERVAL** annual- summer index period  
**DATES** 2000-2003  
**DATA\_FORMAT** Digital Database  
**URL** [www.epa.gov/emap/](http://www.epa.gov/emap/)  
**QUALITY\_CONTROL** EMAP QA/QC protocols  
**ACCESS** Public Access - World Wide Web  
**PARAMETERS\_MEASURED** DO, salinity, temperature, water depth, water clarity (CTD), sediment toxicity, sediment chemistry, TOC, pH, TSS, %slit/clay, Light extinction, Benthic condition index (infaunal community analysis), fish community composition, fish pathology  
**LOCATIONS** Narragansett Bay and coastal waters  
**NOTES** Coastal 2000 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**  
Jerry Pesch  
USEPPA, Atlantic Ecology Division  
27 Tarzwell Drive Narragansett, RI 02882  
Phone (401) 782-3007  
Fax (401) 782-3030  
[pesch.gerald@epa.gov](mailto:pesch.gerald@epa.gov)

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**RESOURCE**      **Water, Fauna**  
**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  
**INSTITUTION**    USACE, New England District  
**INTERVAL**        site specific  
**DATES**            1977-on-going  
**DATA\_FORMAT**    Analog Report  
**URL**                [www.nae.usace.army.mil/environm/damos.html](http://www.nae.usace.army.mil/environm/damos.html)  
**QUALITY\_CONTROL**    QA/QC Protocols in place  
**ACCESS**          Reports available from COE, NED  
**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.  
**CONTACT**  
Tom Fredette  
U.S. COE, NED  
696 Virginia Road  
Concord, MA 01742  
Phone (978) 318-8291  
Fax  
[thomas.j.fredette@usace.army.mil](mailto:thomas.j.fredette@usace.army.mil)

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**RESOURCE**      **Water, Fauna**  
**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  
**INSTITUTION**    USGS  
**INTERVAL**        periodic  
**DATES**            1998-2000  
**DATA\_FORMAT**    Digital Database  
**URL**                [www.water.usgs.gov/nawqa/](http://www.water.usgs.gov/nawqa/)  
**QUALITY\_CONTROL**    QA/QC protocols in place  
**ACCESS**          Public Access- WWW  
**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**  
Keith Robinson USGS  
361 Commerce Way  
Pembroke, NH 03275  
Phone (603) 226-7809  
[kwrobins@usgs.gov](mailto:kwrobins@usgs.gov)

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**RESOURCE**      **Water, Fauna**  
**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  
**INSTITUTION**    RIDEM  
**INTERVAL**        approved areas 6X yr; cond. approved areas 1X mo.  
**DATES**            1946 to present  
**DATA\_FORMAT**    Digital Spreadsheet  
**URL**                dem.state.ri.us  
**QUALITY\_CONTROL**    Standard Methods and NSSP requirements  
**ACCESS**            available upon request  
**PARAMETERS\_MEASURED**    fecal coliform(MPN method), temperature(twice per run)  
**LOCATIONS**        305 stations in shellfish growing areas in salt ponds, bay and open ocean  
**NOTES**            data is not available on web site but the shellfish closure maps are available and they are based on the data.

**CONTACT**

Joe Migliore  
RIDEM  
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**RESOURCE**      **Water, Fauna**  
**PROGRAM**        Summer on the Water Program  
**PURPOSE**        Primarily education, with some identification of "hot spots"  
**INSTITUTION**    Committee For the Great Salt Pond  
**INTERVAL**        3 times weekly during summer months  
**DATES**            1991 to present  
**DATA\_FORMAT**    Analog Report  
**URL**                <http://blockisland.com/saltpond>  
**QUALITY\_CONTROL**  
**ACCESS**            Contact Henry duPont  
**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 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**

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Committee for the Great Salt Pond  
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Phone    (401) 466-5061  
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**RESOURCE**      **Water, Fauna**  
**PROGRAM**        The National Status and Trends Program  
**PURPOSE**        Determine the status and trends in environmental quality of the Nations estuarine and coastal waters.  
**INSTITUTION**    NOAA  
**INTERVAL**        bi-annual  
**DATES**            1984- on-going  
**DATA\_FORMAT**    Digital Database  
**URL**              <http://ccmaserver.nos.noaa.gov/NSandT>  
**QUALITY\_CONTROL**    QA/QC protocols in place  
**ACCESS**          public access- world wide web  
**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, Historical Trends, Coastal Contamination Assessment, Quality Assurance, and Specimen Banking.  
**CONTACT**  
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**RESOURCE**      **Water, Fauna**  
**PROGRAM**        Woonasquatucket River Greenway  
**PURPOSE**        Environmental education  
**INSTITUTION**    Providence Plan  
**INTERVAL**        .  
**DATES**            anticipated start was 1998  
**DATA\_FORMAT**  
**URL**  
**QUALITY\_CONTROL**  
**ACCESS**  
**PARAMETERS\_MEASURED**    DO, Salinity, habitat assessments  
**LOCATIONS**      Woonasquatucket River  
**NOTES**  
**CONTACT**  
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Providence Plan  
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**RESOURCE**      **Water, Fauna, Flora**  
**PROGRAM**        Narragansett Bay Window  
**PURPOSE**        Monitoring in support of coastal resource management- enhance fish stock assessment, recreational use of Bay, improve commercial fish catch.  
**INSTITUTION**    NOAA/NMFS , EPA, RIDEM, URI  
**INTERVAL**        Monthly - Trawled array; Continuous-fixed array  
**DATES**            1998- on-going  
**DATA\_FORMAT**    Digital Database  
**URL**  
**QUALITY\_CONTROL**    QA/QC protocols in place  
**ACCESS**          Public Acces-World Wide Web  
**PARAMETERS\_MEASURED**      CTD, FI urometer, DO, PAR,optical plankton counter,continous 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 Estuaries Program,National Estuarine Research Reserve, Roger Williams College, and Brown University.

**CONTACT**

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**RESOURCE**      **Water, Flora**  
**PROGRAM**        Aircraft remote sensing for Chlorophyll-a  
**PURPOSE**        Develop indicators for nutrient loading for northeast coastal systems.  
**INSTITUTION**    EPA-AED  
**INTERVAL**        Bi-weekly  
**DATES**            2000-2005  
**DATA\_FORMAT**    Digital Database  
**URL**  
**QUALITY\_CONTROL**    yes  
**ACCESS**          data will be accessable to public  
**PARAMETERS\_MEASURED**      solar radiance, and irradiance,chlorophyll-a, suspended solids, temperature, salinity  
**LOCATIONS**      Narragansett Bay and coastl waters  
**NOTES**            New AED research program - anticipated start-up: Fall 2001.

**CONTACT**

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**RESOURCE**      **Water, Flora**  
**PROGRAM**        Narragansett Bay Phytoplankton  
**PURPOSE**        Weekly monitoring of phytoplankton diversity in Narra. Bay at 1 station near Fox Island  
**INSTITUTION**    URI-GSO  
**INTERVAL**        Weekly  
**DATES**            1950s; few gaps; continuous  
**DATA\_FORMAT**    Digital Spreadsheet  
**URL**                www.gso.uri.edu/phytoplankton  
**QUALITY\_CONTROL**    faculty supervision of Graduate Research Assistant  
**ACCESS**          prior to 1999 not yet freely available  
**PARAMETERS\_MEASURED**    >20 micrometer phytoplankton species; size-fractionated  
**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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**RESOURCE**      **Water, Flora, Fauna**  
**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  
**INSTITUTION**    Pine Point School  
**INTERVAL**        annual  
**DATES**            Fall 1988 - on-going  
**DATA\_FORMAT**    Digital Spreadsheet  
**URL**                n/a  
**QUALITY\_CONTROL**  
**ACCESS**          yes  
**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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