

Monitoring Programs by Institution

INSTITUTION [Barrington Land Conservation Trust](#)

PROGRAM Daimondback Terrepian Population Study
PURPOSE Establish population information for the Barrington area, and to preserve breeding habitat for the Diamondback Terrepian
SYSTEM Fauna
INTERVAL spring breeding season
DATES 1990 to present
DATA Digital Spreadsheet
URL
QUALITY
ACCESS Contact Charlotte Sornborger
PARAMETERS MEASURED Diamondback terrepian (mark and recapture)
LOCATION Barrington
NOTES
CONTAC
Charlotte Sornborger
Barrington Land
1 Wildacre Lane

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Fax
c_sornborger@hotmail.com

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
URL
QUALITY automated sampling; std calibration
ACCESS Avai. upon request
PARAMETERS MEASURED salinity, depth, temperature Seabird SeaCat 19s
LOCATION Barr River: North of Rte 114 bridge Palmer River: South of 114 bridge
NOTES Data still being processed as of spring 2001
CONTAC
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Brown University
Depart. Of Geosciences
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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 Analog Report
URL <http://blockisland.com/saltpond>
QUALITY
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)
LOCATION 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
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New Shoreham, RI 02888
Phone (401) 466-5061
Fax

INSTITUTION [Dept of Nat. Resour. Scis, URI AES](#)

PROGRAM Water-table Activity in forested wetlands in sthrn 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 btwn mid-April & mid-December
DATES Apr 1976-Dec 1982
DATA Analog Data Sheet
URL
QUALITY N/A
ACCESS
PARAMETERS MEASURED Pstn of grndwtr tble or sface water level w/ respect to grnd srfce (graduated msring rod insrted into shllw [1.5 m] wells).
LOCATION 12 swamps in Washington Cty; towns included Charlestown, Hopkinton, N. Kingstown, Richmond, & S. Kingstown

NOTES

CONTACT

Dr. Frank Golet
Dept of Nat Resour Scis,
108 Coastal Institute in
1 Greenhouse Rd
Kingston, RI 02881
Phone (401) 874-2916
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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 Analog Report
URL
QUALITY SF QA/QC protocols
ACCESS quarterly reports available to public
PARAMETERS MEASURED groundwater (contaminants), landfill gases.
LOCATION 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.

CONTAC

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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 Digital Database
URL
QUALITY yes
ACCESS data will be accessible to public
PARAMETERS MEASURED solar radiance, and irradiance, chlorophyll-a, suspended solids, temperature, salinity
LOCATION Narragansett Bay and coastal waters
NOTES New AED research program - anticipated start-up: Fall 2001.

CONTAC

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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 Analog Report
URL
QUALITY yes
ACCESS contact PI (Ann Kuhn-Hines)
PARAMETERS MEASURED abundance, length frequency, sex ratio, biomass, and reproductive state.
LOCATION Narrow River
NOTES AED research project.
CONTAC
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kuhn.anne@epa.gov

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
URL
QUALITY
ACCESS Contact Candy Powell
PARAMETERS MEASURED avain species (observation)
LOCATION Jamestown
NOTES This entry is incomplete, and may contain errors. It will be updated as direct contact is made with the program coordinator.
CONTAC
Candy Powell
Jamestown Land Trust
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Jamestown, RI 02832
Phone (401) 423-1492
Fax
.

INSTITUTION [Jamestown Land Trust](#)

PROGRAM Jamestown Land Trust
PURPOSE Inventoring the birds of Jamestown
SYSTEM Fauna
INTERVAL Varies
DATES 1985
DATA
URL
QUALITY
ACCESS Contact Candy Powell
PARAMETERS MEASURED Avian inventory (observation)
LOCATION Jamestown
NOTES This entry is incomplete, and may contain errors. More complete information to follow.
CONTACT
Candy Powell
Jamestown Land Trust
.

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Fax

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 Digital Spreadsheet
URL
QUALITY
ACCESS Contact Donna Williams
PARAMETERS MEASURED Water Temperature (thermometer), DO (Hach Kit) pH (Hach Kits), BOD (Hach kit), Turbidity, Nitrogen Phosphorus
LOCATION 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

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
URL
QUALITY
ACCESS Contact Rob Brown
PARAMETERS MEASURED Temperature, pH, Dissolved Oxygen, BOD, Nitrogen, Phosphorus, and
LOCATION Mosshasuck River
NOTES
CONTAC
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Wheeler School
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RBrownCHOP@aol.com

INSTITUTION [Multi Agency/Institution Effort Coord. by](#)

PROGRAM Volunteer DO Night Survey
PURPOSE To measure overnight decreases in DO across upper half of Narr. Bay during neap tides
SYSTEM Water
INTERVAL 2 X yr.
DATES 1999 to present
DATA Digital Database
URL
QUALITY 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
LOCATION 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 copy.
CONTAC
Christopher Deacutis
RIDEM
RI Narr. Bay Estuary Program
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INSTITUTION National Audubon Soc. & Cornell Lab of

PROGRAM Bird Source
PURPOSE To promote conservation and environmental science, and to develop a long-term record of bird populations in North America
SYSTEM Fauna
INTERVAL varies
DATES
DATA Other (Describe in Notes)
URL <http://birdsource.cornell.edu/index.html>
QUALITY
ACCESS <http://birdsource.cornell.edu/index>
PARAMETERS MEASURED avian species (observation)
LOCATION 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
. .
. . 00000
Phone (000) 000-0000
Fax
.

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
URL <http://www.nps.gov/blac/home.htm>
QUALITY
ACCESS Contact Dan Meharg
PARAMETERS MEASURED water quality
LOCATION 3 Blackstone River Valley sites
NOTES
CONTACT

Dan Meharg
Blackstone Valley National
One Depot Square

Woonsocket, RI 02895
Phone (401) 762-0250
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Dan_Meharg@nps.gov

INSTITUTION National Park Service

PROGRAM Blackstone Valley National Heritage Corridor
PURPOSE Educational
SYSTEM Misc
INTERVAL varies

DATES

DATA

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

QUALITY

ACCESS Contact program coordinator

PARAMETERS MEASURED Vary according to project

LOCATION Blackstone River Valley sites

NOTES

CONTAC

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INSTITUTION NBC

PROGRAM Providence River Sampling
PURPOSE to assess the water quality of the Providence River
SYSTEM Water
INTERVAL weekly

DATES 2000 to present

DATA Digital Database

URL narrabay.com

QUALITY QA/QC protocol and standard methods

ACCESS available upon request

PARAMETERS MEASURED fecal coliform, total/diss. Metals, TSS, TKN, TP, NH3, pH, temp., DO,

LOCATION 11 sites on river

NOTES Data will be available on web site end of summer 2001

CONTAC

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spavignano@narrabay.com

INSTITUTION NBC

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
SYSTEM Water
INTERVAL weekly
DATES 1998 to present
DATA Digital Database
URL narrabay.com
QUALITY QA/QC protocol and standard methods
ACCESS available upon request
PARAMETERS MEASURED fecal coliform
LOCATION 21 stations on the Moshassuck, Blackstone, Woonasquatucket, West and Providence
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.

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INSTITUTION NBC

PROGRAM Seekonk River Monitoring
PURPOSE To assess water quality of the Seekonk River
SYSTEM Water
INTERVAL weekly
DATES 2000 to present
DATA Digital Database
URL narabay.com
QUALITY QA/QC protocol and standard methods
ACCESS available upon request
PARAMETERS MEASURED fecal coliform, total/diss metals, TSS, TKN, TP, NH3, pH, temp, DO,
LOCATION 9 sites on river
NOTES data will be available on web site by end of summer 2001

CONTAC

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INSTITUTION NBC

PROGRAM Ten Mile River Sampling
PURPOSE To assess the water quality status of the Ten Mile River
SYSTEM Water
INTERVAL monthly
DATES 2000 to present
DATA Digital Database
URL narrabay.com
QUALITY QA/QC protocol and standard methods
ACCESS available upon request
PARAMETERS MEASURED Fecal coliform, total/ diss. metals, TSS, TKN, TP, NH₃, pH, temp
LOCATION 8 stations on the river
NOTES All stations are downstream of NBC facilities. Data will be on website by end of summer 2001.
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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 Digital GIS Coverage
URL None
QUALITY Training workshops,
ACCESS Available
PARAMETERS MEASURED Tag/recapture using number floy anchor tags. Condition & carapace size recorded.
LOCATION 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 available in Excel spreadsheets. Commercial lobstermen responsible for sampling
CONTACT
Kathleen Castro
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East Farm

Kingston, RI 02874
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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 Digital Database
URL <http://ccmaserver.nos.noaa.gov/NSandT>
QUALITY 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.
LOCATION 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.
CONTAC
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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 Analog Report
URL www.nmfs.noaa.gov/habitat/restoration
QUALITY unknown
ACCESS limited
PARAMETERS MEASURED Population dynamics for commercial marine resources (lobsters,bay csallops,oysters,finfish)
LOCATION RI coastal waters (offshore and salt ponds)
NOTES Cuurently 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
CONTAC
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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 Digital Database
URL
QUALITY 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.
LOCATION 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.

CONTAC

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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 continous at 30 minute intervals.
DATES 1980- on-going
DATA Digital Database
URL www.ocrm.nos.noaa.gov/nerr/reserves/nernarraganset
QUALITY 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.
LOCATION Potters Cove, T-Warf (Prudence Island)
NOTES DO surveys for Narragansett Bay are also conducted under this program.

CONTAC

Roger Greene
RIDEM
55 South Reserve Drive

Prudence Island, RI 02872
Phone (401) 683-6780
Fax (401) 682-1936

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 Digital Spreadsheet
URL <http://www.normanbirdsanctuary.org/home.shtml>
QUALITY Varies with program
ACCESS Contact sanctuary
PARAMETERS MEASURED Vary with types of monitoring efforts
LOCATION 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

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Fax (401) 846-2772
vhinds@normanbirdsanctuary

INSTITUTION [Pawtuxet River Authority](#)

PROGRAM Pawtuxet River Authority
PURPOSE Environmental education, and to measure water quality for watershed management and
SYSTEM Water
INTERVAL Monthly-year round
DATES 1994 to present
DATA Digital Spreadsheet
URL www.pawtuxet.org
QUALITY
ACCESS Contact Guy Lefebvre
PARAMETERS MEASURED Temperature, pH, DO, flow/water level, hardness.
LOCATION 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

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 Digital Spreadsheet
URL n/a
QUALITY
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
LOCATION Pawcatuck Estuary; Little Narragansett Bay; Mystic Estuary
NOTES
CONTACT
Alan Banister
Pine Point School
89 Barnes Road

Stonington, CT 06378
Phone (860) 535-0881
Fax (869) 535-8033
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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 Digital Spreadsheet
URL 0
QUALITY 0
ACCESS DEM TMDL program has this data - Heidi Travers
PARAMETERS MEASURED Bacteria; pH (lab analysis), clarity(Secchi disk); temperature
LOCATION 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

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
URL
QUALITY
ACCESS
PARAMETERS MEASURED Fecal coliform
LOCATION Multiple sites on the Runnins River
NOTES
CONTAC
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Pokanoket Watershed
1 Craig Drive

Barrington, RI 02806
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Fax
.

INSTITUTION Providence Plan

PROGRAM Woonasquatucket River Greenway
PURPOSE Environmental education
SYSTEM Water, Fauna
INTERVAL .
DATES anticipated start was 1998
DATA
URL
QUALITY
ACCESS
PARAMETERS MEASURED DO, Salinity, habitat assessments
LOCATION Woonasquatucket River
NOTES
CONTAC
Jane Sherman
Providence Plan
56 Pine Street

Providence, RI 02903
Phone (401) 455-8880
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jsherman@providenceplan.or

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 Digital Spreadsheet
URL not available
QUALITY 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).

LOCATION Potter Cove and South Prudence T-Warf

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

CONTAC

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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 Analog Report
URL
QUALITY 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?)

LOCATION 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.

CONTAC

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RIBCON
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Providence, RI 02930
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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 Analog Report
URL
QUALITY Standard
ACCESS Membership in network (\$11 fee)
PARAMETERS MEASURED Air temperature (thermometer), wind speed/direction, precipitation (rain gauge, ruler for snow?)
LOCATION 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
Ray Vincent
RIBCON
.

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.

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
SYSTEM Fauna
INTERVAL Year round
DATES October 1999 to present
DATA Other (Describe in Notes)
URL <http://rewhc.org/home.shtml>
QUALITY In consultation with a variety of professional
ACCESS Available on the website
PARAMETERS MEASURED Fauna and flora inventories (surveys)
LOCATION 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

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 Digital Spreadsheet
URL <http://www.edc.uri.edu/surfrider/>
QUALITY 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)
LOCATION 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)

CONTAC

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INSTITUTION [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 rsces. Multiple model validated & employed to reveal sprawl pattsns. Produce land cover maps for 1972, 1985, & 2002 frm landsat data. Identify change patterns and maps of land use and
SYSTEM Land
INTERVAL 10-15 yrs; 30 m spatial resolution;
DATES 2000-2003
DATA Digital GIS Coverage
URL forthcoming
QUALITY Groundtruthing & thematic accuracy assessment
ACCESS
PARAMETERS MEASURED Land cover types following USGS clssfication system; visible light to thermal portion of electromag spectrum
LOCATION Statewide
NOTES

CONTAC

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INSTITUTION RI DEM, Fish & Wildlife

PROGRAM Shellfish disease survey, state of RI
PURPOSE Survey presence of diseases in wild & cultured oysters & quohogs in RI waters.
SYSTEM Fauna
INTERVAL twice yrly: Aug/Nov. Temp: evry 10 mins
DATES May 1998-Nov 2001 (at least)
DATA Digital Spreadsheet
URL None
QUALITY 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)
LOCATION 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**CONTAC**

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INSTITUTION RI Sea Grant

PROGRAM Impacts of Ctenophore M leidyi on ichthyoplkn
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 othr Bay stns
DATES June 1999 to Sept 2002
DATA Digital Spreadsheet
URL
QUALITY std protocols fr abundance; calibrated temp/sal
ACCESS
PARAMETERS MEASURED Abundance (#/m**3), volume (mls/m**3) of m leidyi; abundance (#m**3) of othr zooplkn categories (copepods, etc.), water temp, salinity
LOCATION GSO Dock; Prov Riv; Ohio ledge; Greenwich Bay; wst side of Prudence Island; Wickford Cove; sth side of Jamestown bridge

NOTES**CONTAC**

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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 fr details
DATES 1997-2002
DATA Digital Spreadsheet
URL
QUALITY
ACCESS
PARAMETERS MEASURED Tidal heights of plant zonal borders w/ std survey equip. Primary prdctn of all zoanl dominant mrsh plnts at ech site using end of season biomass. Secondary prdctn estimates using fiddler crab, killifish, & marsh snail densities. Contact Dr. Bertness fr additional details
LOCATION 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.

CONTAC

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Depart of Evolutionary

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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 Digital Spreadsheet
URL None
QUALITY
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.
LOCATION 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.

CONTAC

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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 Digital Spreadsheet
URL None
QUALITY 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
LOCATION Dutch Harbor, Narr Bay
NOTES Project coordinated w/ RI DEM & similar data compiled at other sites thro sea sampling. Joint publication available.

CONTAC

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

PROGRAM Narr Bay Rapid Assess. Survey fr Mrne bioinvasive spp
PURPOSE Catalogue mrne bioinvasive spp in RI coastal waters
SYSTEM Fauna
INTERVAL every five years; frst yr: Aug 2000
DATES 2000-present
DATA Digital Spreadsheet
URL
QUALITY Bst Prof Jdgmnts of team of taxonomic experts
ACCESS
PARAMETERS MEASURED invert orgs & algae sampling of encrusting & epiphytic communs on floating docks. Field & lap verfcattn of smpled orgs. Sme smping of adjacent shrlne habitats
LOCATION 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 Potters Cve
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.

CONTAC

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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 Analog Report
URL
QUALITY
ACCESS available upon request
PARAMETERS MEASURED frequency by manual fish counts at ladders or by counters
LOCATION 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.

CONTAC

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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; continuous to 24 hr comp.
DATES 70's to present
DATA Digital Database
URL www.epa.gov/aqspubl1/annual_summary.html
QUALITY
ACCESS available upon request
PARAMETERS MEASURED fine particulates (PM2.5 and PM 10), ozone, nitrogen oxide, sulphur dioxide, carbon monoxide, VOCs, carbonyls, metals
LOCATION approx. 15 sites throughout RI
NOTES not all sites are monitored for all pollutants

CONTAC

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INSTITUTION RIDEM

PROGRAM Aquatic Furbearer Survey
PURPOSE to assess the population of aquatic furbearers
SYSTEM Fauna
INTERVAL dn
DATES
DATA
URL
QUALITY
ACCESS
PARAMETERS MEASURED numbers of
LOCATION throughout RI
NOTES
CONTAC

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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 present
DATA Analog Data Sheet
URL
QUALITY standard methods
ACCESS available upon request
PARAMETERS MEASURED biological diversity using the Fullner multiple plate artificial substrate
LOCATION 7 stations on RI rivers corresponding to USGS chemical sampling
NOTES
CONTAC

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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 Analog Data Sheet
URL
QUALITY
ACCESS available upon request
PARAMETERS MEASURED phytoplankton seine pull
LOCATION 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.

CONTAC

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INSTITUTION RIDEM

PROGRAM Bird Species Breeding Monitoring
PURPOSE to determine breeding status of colony, nesting , shore and wading birds
SYSTEM Fauna
INTERVAL don't know
DATES
DATA Analog Report
URL
QUALITY
ACCESS available upon request
PARAMETERS MEASURED breeding status
LOCATION throughout RI
NOTES data is found in year end reports.

CONTAC

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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 present
DATA Digital Database
URL
QUALITY 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)

LOCATION 25 stations on RI rivers and streams

NOTES

CONTAC

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INSTITUTION RIDEM

PROGRAM Fin Fish Monitoring Coastal Ponds
PURPOSE to assess finfish fishery in coastal ponds
SYSTEM Fauna
INTERVAL 2 X mo. May - Oct.
DATES 1993 to present
DATA Digital Database
URL
QUALITY
ACCESS Available upon request
PARAMETERS MEASURED length, weight, frequency
LOCATION 16 sites in five coastal ponds and Narrow River

NOTES

CONTAC

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INSTITUTION RIDEM

PROGRAM Gill Net Monitoring Program
PURPOSE To assess pelagic gamefish for fisheries management
SYSTEM Fauna
INTERVAL monthly May - Oct.
DATES 2000 to present
DATA Digital Database
URL
QUALITY
ACCESS available upon request
PARAMETERS MEASURED length, frequency, weight, otolith and scales
LOCATION eight stations in Narragansett Bay
NOTES
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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 Analog Report
URL
QUALITY
ACCESS available upon request
PARAMETERS MEASURED frequency, length and weight (seine, cast net, trap net, weir devices)
LOCATION Pawcatuck R., Gilbert Stuart, Nonquit, Annaquatucket, Potowomut
NOTES Use seine on Pawcatuck weekly mid Aug. - Nov 1. Other sites are weekly or biweekly June -
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INSTITUTION RIDEM

PROGRAM Juvenile Fin Fish Survey
PURPOSE to assess populaion of recreationally and commercially important fin fish
SYSTEM Fauna
INTERVAL 1 X mo. June - Oct.
DATES 1986 to present
DATA Digital Database
URL
QUALITY
ACCESS available upon request
PARAMETERS MEASURED temp, salinity, DO, length, frequency(on target species only)
LOCATION 18 stations in Narr. Bay
NOTES
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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 Analog Report
URL
QUALITY
ACCESS available upon request
PARAMETERS MEASURED frequency, catch rates, length, weight, scales
LOCATION 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
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INSTITUTION RIDEM

PROGRAM Lobster Fishery Monitoring
PURPOSE to assess the lobster fishery in Narr. Bay
SYSTEM Fauna
INTERVAL 2 inshore trips per mo.
DATES 1991 to present
DATA Digital Database
URL
QUALITY
ACCESS annual report summary upon request
PARAMETERS MEASURED sex, size, cull status, mortality, pathology, shell disease, maturity
LOCATION Narr. Bay and RI Sound
NOTES
CONTAC
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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
SYSTEM Fauna
INTERVAL 1X yr in spring/summer season
DATES 1992 to present
DATA Digital Spreadsheet
URL
QUALITY standard methods
ACCESS available upon request
PARAMETERS MEASURED macroinvertebrates using RBP
LOCATION 45 stream riffle areas in RI
NOTES
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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 Digital Database
URL
QUALITY standard methods
ACCESS available upon request
PARAMETERS MEASURED dependent on nature of discharge
LOCATION 25 major, 110 minor and >200 stormwater discharges throughout RI
NOTES prior to 1983 program was run by EPA
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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 Digital Spreadsheet
URL dem.state.ri.us
QUALITY Standard Methods and NSSP requirements
ACCESS available upon request
PARAMETERS MEASURED fecal coliform(MPN method), temperature(twice per run)
LOCATION 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.
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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 Analog Report
URL N/A
QUALITY standard methods and NSSP requirements
ACCESS available upon request
PARAMETERS MEASURED sources and bacteria using MPN method, estimated flow rates in pipes
LOCATION 410 miles of RI coastline
NOTES surveys are incorporated into annual reports to FDA
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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 dn
DATES
DATA
URL
QUALITY
ACCESS
PARAMETERS MEASURED number of breeding canadian geese
LOCATION throughout RI
NOTES
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INSTITUTION RIDEM

PROGRAM Upland Game Species Monitoring
PURPOSE to assess population of upland game species
SYSTEM Fauna
INTERVAL dn
DATES
DATA
URL
QUALITY
ACCESS
PARAMETERS MEASURED deer ?????
LOCATION throughout RI
NOTES
CONTAC

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INSTITUTION RIDEM

PROGRAM Waterfowl Survey
PURPOSE to count waterfowl
SYSTEM Fauna
INTERVAL don't know
DATES
DATA
URL
QUALITY
ACCESS
PARAMETERS MEASURED numbers of ducks, geese and swans
LOCATION throughout RI
NOTES
CONTAC

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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 Digital Database
URL www.health.state.ri.us
QUALITY QA/QC protocol and standard methods
ACCESS online and raw data available upon request
PARAMETERS MEASURED fecal coliform and enterococci(A1 method)
LOCATION 115 fresh and saltwater beaches in RI
NOTES informal testing began in the late 60's
CONTAC
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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 Digital Database
URL
QUALITY
ACCESS available upon request
PARAMETERS MEASURED as required by Safe Drinking Water Act - SOCs, VOCs, radionuclides,inorganics, microbes
LOCATION 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.
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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 Digital Spreadsheet
URL www.saltpondscoalition.org
QUALITY Standard methods
ACCESS Contact Executive Director Vic Dvorak 401-322-1105
PARAMETERS MEASURED Fecal coliform bacteria (MPN)
LOCATION 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.

CONTAC

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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
URL <http://www.savebay.org/>
QUALITY 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)
LOCATION 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.

CONTAC

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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 Digital Spreadsheet
URL <http://www.savebay.org/>
QUALITY 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 (observation).
LOCATION 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.
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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
URL
QUALITY
ACCESS
PARAMETERS MEASURED avian species (observation), conditions at refuges (observation)
LOCATION statewide
NOTES This entry is incomplete, and may contain errors. It will be updated as direct contact is made with the program coordinator.
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INSTITUTION [The Nature Conservancy - RI Chapter](#)

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 Digital Database
URL <http://nature.org/states/rhodeisland/>
QUALITY Standard methods
ACCESS Contact Ginger Carpenter
PARAMETERS MEASURED Odonata species collected
LOCATION wetland complexes statewide
NOTES
CONTAC
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The Nature Conservancy -
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INSTITUTION [U.S. EPA in partnership with the coastal](#)

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.
SYSTEM Water, Fauna
INTERVAL annual- summer index period
DATES 2000-2003
DATA Digital Database
URL www.epa.gov/emap/
QUALITY 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, %silt/clay, Light extinction, Benthic condition index (infaunal community analysis), fish community composition, fish pathology
LOCATION 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.
CONTAC
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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 Digital Spreadsheet
URL none
QUALITY --
ACCESS Available
PARAMETERS MEASURED Species composition, relative abundance, habitat associations, censused w/ point cts & spot mapping.

LOCATION 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.

CONTAC

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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 Analog Data Sheet
URL None
QUALITY --
ACCESS Available
PARAMETERS MEASURED Age/Sex ratios, species composition, morphological characteristics; drift fence arrays w/ pitfall traps

LOCATION 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.

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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 Digital Spreadsheet
URL None
QUALITY --
ACCESS Available
PARAMETERS MEASURED Age/Sex ratios, species composition, morphological characs, 4-10 mist nets annually
LOCATION 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.

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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 Digital Spreadsheet
URL www.edc.uri.edu/uriww
QUALITY 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,
LOCATION 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.

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INSTITUTION URI Dept of Geoscnces, RI Sea Grant, RI

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 & bfre & aftr mjr storms
DATES 1977 to present
DATA Digital Spreadsheet
URL
QUALITY 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.
LOCATION Charlestown beach CHA-EZ & CHA-05; Andrea Hotel Misquamicut MSQ-AN; Fire Dstrct Beach Misquamicut MSQ-FD; S. Kingstown Town Beach SK-TB

NOTES

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INSTITUTION URI Dept of Nat Rsce Scnce, RI DEM

PROGRAM Salt marsh restoration monitoring at Galilee Bird Sanct
PURPOSE Assess the effect of re-establishment of full tidal flow on biotic & abiotic components of the GBS coastal ecosystem & to gauge restoration success.
SYSTEM Fauna, Flora
INTERVAL Contact F. Golet for details
DATES 1992-1997
DATA Digital Spreadsheet
URL
QUALITY 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 details)
LOCATION Galilee Bird Sanctuary & Bluff Hill Cove

NOTES

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INSTITUTION URI Grad Schl of Oceanography, NOAA, Narr

PROGRAM A Monitoring Network for Narr Bay Waters
PURPOSE Provide water quality time series for research and management
SYSTEM Water
INTERVAL every 15 mins.
DATES 1999present
DATA Digital Spreadsheet
URL www.gso.uri.edu/~dkester/nbay/index.htm
QUALITY periodic sensor calibrations
ACCESS
PARAMETERS MEASURED oxygen, chlorophyll, temp, pH, salinity, water level
LOCATION Seekonk River, Pomham Rock Prov River, Bullock Beach lower Prov River, Nrth of Prudence Isle, Sth of Prudence, GSO Dock

NOTES

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INSTITUTION URI Grad School of Oceanography

PROGRAM Benthic Infauna in Narr Bay
PURPOSE Observe long-term changes in the depositional benthic community of Narragansett Bay
SYSTEM Fauna
INTERVAL every June
DATES 1999-present
DATA Digital Spreadsheet
URL
QUALITY 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

LOCATION MERL Station 1 north of Jamestown

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

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INSTITUTION URI Grad School of Oceanography

PROGRAM Quonochontaug Pond Fllwshp/Salt Pond Rsch Fllwshp
PURPOSE Conduct baseline & monitoring studies of pollution in Ninigret, Quonochontaug, & Winnapaug Ponds
SYSTEM Water
INTERVAL Shellfish annually; Seds evry 5 to 10 yrs if poss
DATES 1999-2003 definitely
DATA Digital Spreadsheet
URL <http://espo.gso.uri.edu/~kford/sp>
QUALITY 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)

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

NOTES Sediment cores are being examined for changes associated w/ major storm events

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INSTITUTION URI Grad School of Oceanography

PROGRAM Quonochontaug Pond Fllwshp/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 Digital Spreadsheet
URL <http://espo.gso.uri.edu/~kford/sp>
QUALITY
ACCESS Avai on Web

PARAMETERS MEASURED Salinity changes; possibly bathymetric surveys

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

NOTES Sediment cores are being examined for changes associated w/ major storm events

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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 Digital Spreadsheet
URL <http://espo.gso.uri.edu/~kford/sp>
QUALITY
ACCESS Avai on Web
PARAMETERS MEASURED oxygen; shellfish (quadrats); winter flounder
LOCATION Quonochontaug mainly; expand to Winnapaug/Ninigret if funding avai
NOTES Sediment cores are being examined for changes associated w/ major storm events
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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 Digital Database
URL none
QUALITY see MERL Manual 3rd edition, 1994
ACCESS Available
PARAMETERS MEASURED All methods, precision, accuracy, & quality control summarized in MERL Manual, 3rd edition, 1994
LOCATION GSO dock
NOTES
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INSTITUTION [URI-GSO](#)

PROGRAM Narragansett Bay Phytoplankton
PURPOSE Weekly monitoring of phytoplankton diversity in Narragansett Bay at 1 station near Fox Island
SYSTEM Water, Flora
INTERVAL Weekly
DATES 1950s; few gaps; continuous
DATA Digital Spreadsheet
URL www.gso.uri.edu/phytoplankton
QUALITY faculty supervision of Graduate Research Assistant
ACCESS prior to 1999 not yet freely available
PARAMETERS MEASURED >20 micrometer phytoplankton species; size-fractionated chlorophyll
LOCATION 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

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INSTITUTION [US EPA](#)

PROGRAM EMAP Estuaries Virginian Province
PURPOSE Monitor the status and trends of nations ecological resources on a regional basis. Seek associations among selected indicators of stress and indicators of ecological condition. Provide periodic assessments of nations ecological resources.
SYSTEM Water
INTERVAL Annual- Summer index period
DATES 1990-1993
DATA Digital Database
URL www.epa.gov/emap
QUALITY EMAP QA/QC Protocols
ACCESS Public access via www
PARAMETERS MEASURED Benthic condition, DO, sediment toxicity, sediment contamination, water quality,

LOCATION Narragansett Bay

NOTES**CONTACT**

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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 during (Jun-Aug)
DATES 1991-2000
DATA Digital Spreadsheet
URL None
QUALITY --
ACCESS Available
PARAMETERS MEASURED Age/Sex ratios, species composition, morphological characters; used mist
LOCATION Truston Pond NWR, Ninigret NWR
NOTES Eddleman started program. Paton took over. 2000 1st yr of data. Prob not to be restarted.
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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 Analog Report
URL www.nae.usace.army.mil/environm/damos.html
QUALITY 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.
LOCATION 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.
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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 Digital Spreadsheet
URL www.ceris.purdue.edu/napis/
QUALITY no
ACCESS NAPIS database, public access
PARAMETERS MEASURED Exotic species identified via trapping and visual surveys
LOCATION 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.

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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 Digital Database
URL www.water.usgs.gov/nawqa/
QUALITY 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.
LOCATION 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.

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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 Digital Spreadsheet
URL None
QUALITY No formal techniques; on-site training
ACCESS ?
PARAMETERS MEASURED # of crabs/2 m2 quadrat, 3-5 replicate quadrats sample at each smpling interval
LOCATION 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.

CONTAC

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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 Digital Spreadsheet
URL www.watershed.envstudies@Brown.edu
QUALITY 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).
LOCATION 3 sites Meadow Brook, 5 sites Beaver River, 3 sites Green Falls River, 5 sites Queen
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).

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