

DRAFT

# **Inventory of Environmental Monitoring Programs in the Gulf of Maine and Long Island Sound**



Christy Finlayson  
Gulf of Maine Council on the Marine Environment  
Environmental Quality Monitoring Committee

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### Monitoring Programs

*(individual programs listed alphabetically within each jurisdictional area)*

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## Introduction

This report summarizes the progress to date on inventorying monitoring programs in the Gulf of Maine and Long Island Sound. Christy Finlayson, while under contract with the Gulf of Maine Council's (GOMC) Environmental Monitoring Committee, compiled this information with support from GOMC staff. The inventory has targeted all federal, state/provincial, local, volunteer and private programs that are actively monitoring coastal, marine and freshwater environments in Nova Scotia, New Brunswick, Maine, New Hampshire, Massachusetts, Rhode Island, Connecticut, and New York. The directory serves as an update and more detailed version of relatively recent (Chandler, 2001) and older (GOMCME, 1989) inventories of Gulf of Maine monitoring programs. The information contained within the Monitoring Inventory has also been entered into table format, with monitoring programs grouped by jurisdiction and each program's parameters listed.

The Monitoring Inventory contains 295 coastal and marine monitoring programs occurring in the Gulf of Maine and Long Island Sound. All programs in the inventory have been contacted with requests for information (detailed below). Basic information is listed for each program; programs that have submitted entries of extensive information are included with complete entries and listed as "complete" (the programs with a detailed program entry outline are listed in a supplement to this document). Progress, communications, and the collection of information from each monitoring program are detailed by date under each program's listing. Programs are numbered 1 to 295; these numbers correspond with information contained within hardcopy files for each program. These files are organized by jurisdiction; in addition to containing additional information for each program currently listed in the Monitoring Inventory, these hardcopy files contain additional marine and coastal programs to be added, information regarding other databases useful to this effort, and freshwater monitoring programs/links to these programs.

This Monitoring Inventory currently exists as a list and a chart. To be easily accessed and to increase the ability to pull information regarding the geographic coverage, parameters, methods, etc., it was determined in December of 2002 during the Northeast Atlantic Coastal Monitoring Summit (NACMS) that the inventory should exist in a database format. At the time of the NACMS, a time schedule for the Monitoring Inventory was designated: it would require 12 – 18 months for completion of the list of programs; the GOMC would then decide if, how, and by what means the list would be formatted and entered into a database. The spreadsheet matrix of all of the coastal and marine monitoring programs completed along with the inventory will soon be available on the GOMC web site, and will serve as the basis for the construction of a searchable database. Construction of a searchable and updateable database on the Gulf of Maine Council web site (<http://www.gulfofmaine.org/>) should be complete by early 2004. In its final form, it will provide the capability for analysis of the scope and coverage of existing monitoring programs, identification of information gaps and research needs, aid in the identification of high priority environmental indicators, and identify opportunities for communication and collaboration among related monitoring programs.

## Monitoring Inventory Information

The information for each program in the inventory comes directly from each monitoring program. All pertinent information has not yet been collected from all programs at this time, so the level of detail available and included for each program varies. As soon as it is converted into a searchable database, programs can be queried by keyword, location, parameter, etc., and updated as necessary. This document is a work in progress, and because monitoring programs continually change, even when "finished" this document will need to be maintained and updated.

### Program Entry Outline

As of December 2003, a program entry outline was completed for 21 of the 295 monitoring programs. These full entries are provided in a supplement to this document. Each entry was formatted for entry into the inventory database and includes the following information:

1. Country
2. State/Province
3. Marine/Coastal/Freshwater/Terrestrial
4. Watershed/Water Body/Feature (Estuary/Bay/Basin/River/Lake/Bog/Heath/Mountain/etc.)
5. Title
6. Sponsor
7. Program



8. Website/Information Links
9. Contact
10. Goals
11. Purpose
12. Summary/Conclusions
13. Future
14. Needs
15. Sample Collection Collaboration
16. Resource/Parameters
17. Materials and Methods
18. Sample Locations
19. Sample Numbers
20. Sampling Frequency
21. Years Monitored
22. Program Status
23. Species/Common Names
24. References
25. Additional Information/Comments

## Monitoring Matrix

The monitoring programs have been organized in the matrix to provide a better view of all monitored parameters en masse. The programs are grouped by region or state/province to assess the range of geographic coverage. The monitored parameters are organized according to general types of monitoring, as follows:

- Air Quality
- Atmospheric Deposition
- Aquaculture
- Biota
- Debris
- Geology/Soils
- Groundwater
- Habitat
- Nutrients
- Land Use
- Physical Characteristics
- Sediment Quality
- Water Conditions
- Water Quality
- Weather

## References

Chandler, H. 2001. Marine monitoring programs in the Gulf of Maine. Maine State Planning Office/Gulf of Maine Council, Augusta, ME. 115 pp.

GOMCME, 1989. Marine environmental quality monitoring programs in the Gulf of Maine: An Inventory. Gulf of Maine Council on the Marine Environment, Augusta, ME.



## International Monitoring Programs

### 1. CHRISTMAS BIRD COUNT

**Sponsor:** National Audubon Society

**Resource/Parameters:**

BIOTA/Birds: survey (Each bird count occurs in a 24-km diameter circle; working in groups, participants try to cover as much of a circle as possible, counting each individual bird and species they see.)

**Contact:**

Christmas Bird Count  
National Audubon Society  
700 Broadway Avenue  
New York, New York 10003

**Purpose:** To obtain data on birds, providing valuable insights into the long-term health of avian populations and the environment

**Location:** Throughout Canada, the United States, Central and South America, the Caribbean, and some Pacific Islands

**Period:** Approximately 10 days, from midnight to midnight

### 2. GLOBAL SEAGRASS MONITORING

**Program:** SeagrassNet

**Sponsor:** University of New Hampshire, Packard Foundation

**Website:** <http://www.seagrassnet.org>

Data: <http://www.seagrassnet.org/data-test/index.php>

**Resource/Parameters:**

BIOTA/eelgrass

**Contact:**

Fred Short  
University of New Hampshire  
fred.short@unh.edu

**Program Entry Outline:** see supplement.

### 3. NORTH AMERICAN BAT HOUSE RESEARCH PROJECT

**Sponsor:** Bat Conservation International

**Website:** <http://batinfo@batcon.org>

**Resource/Parameters:**

BIOTA/Bats: survey

**Contact:**

Robert Benson  
Bat Conservation International  
P.O. Box 162603  
Austin, Texas 78716-2603  
(512) 327-9721

**Purpose:** To place and monitor artificial bat-roosting structures; collect data on bat inhabitants; increase the overall occupancy rate

**Location:** All across North America

**Period:** Summer; weekly observations

### 4. PROJECT FEEDERWATCH

**Sponsor:** Bird Studies Canada

**Website:** <http://www.bsc-eoc.org/national/pfw.html>

**Resource/Parameters:**

BIOTA/Birds: survey (participants keep a record of birds appearing at their feeder)

**Contact:**

Project FeederWatch  
Bird Studies Canada  
P.O. Box 160  
Port Rowan, Ontario N0E 1M0  
(519) 586-3531, (888) 448-BIRD

**Purpose:** To monitor changes in bird populations and variations in their geographic distributions

**Period:** November to March

**Location:** Across America

## Canada: National Programs

### 5. AQUACULTURE PRODUCTION STATISTICS

**Program:** Fisheries and Oceans Statistical Services

**Sponsor:** Department of Fisheries and Oceans

**Website:** [http://www.dfo-mpo.gc.ca/communic/statistics/aquacult/Aqua\\_E.htm](http://www.dfo-mpo.gc.ca/communic/statistics/aquacult/Aqua_E.htm)

**Resource/Parameters:**

BIOTA/volume and value of aquaculture production by species and by province/territory

**Contact:**

Kieth W. Brickley  
Statistical Services  
200 Kent Street  
Ottawa, Ontario K1A 0E6  
(800) 298-9935  
(613) 993 - 2264  
infostat@dfo-mpo.gc.ca

**Period:** 1986 to 2001

### 6. CAP MONITORING REPORT FOR INSHORE SCALLOPS

### 7. ATLANTIC BEACH GUARDIAN PROGRAM

### 8. BIT CHALLENGE (BIRD IDENTIFICATION AND TALLY)

**Sponsor:** SEEDS Foundation

**Resource/Parameter:**

BIOTA/Birds: surveys (Students record birds sighted during the last weekend in May and combine their results in



whole school tallies, which are compared to results across Canada)

**Contact:**

SEEDS Foundation  
Suite 440, 10169-104 St.  
Edmonton, Alta. T5J 1A5  
(403) 424-0971

**Purpose:** To introduce elementary students to bird identification and monitoring

**Location:** Across Canada

**Period:** Last weekend in May

## 9. BIOTOXIN MONITORING PROGRAM

**Sponsor:** Canadian Food Inspection Agency

**Website:** <http://www.cfia-acia.agr.ca/>

**Resource/Parameters:**

BIOTA/Phytoplankton: paralytic shellfish poisoning, amnesic shellfish poisoning, diarrhetic shellfish poisoning  
BIOTA/Mollusk: soft shell clam (tissue): paralytic shellfish poisoning, amnesic shellfish poisoning, diarrhetic shellfish poisoning; blue mussel (tissue): paralytic shellfish poisoning, amnesic shellfish poisoning, diarrhetic shellfish poisoning

**Contacts:**

Karen White  
Canadian Food Inspection Agency  
215 Main Street  
Yarmouth, Nova Scotia B5A 1C6  
(902) 742-0864  
and  
Canadian Food Inspection Agency  
61 Wallace Cove Road  
Blacks Harbor, New Brunswick E5H 1G9  
(506) 456-4062  
eddysb@em.agr.ca

Request for information 010703

Request for information 032603

Request for information 080503

## 10. BREEDING BIRD SURVEY

**Sponsor:** Canadian Wildlife Service

**Resource/Parameters:**

BIOTA/Birds: survey (Participants are assigned a 40-km route along secondary roads, which they drive once each spring, stopping every 0.8 km (50 stops in total) for 3 minutes to record all birds seen and heard)

**Contact:**

Connie Downes  
National Wildlife Research Centre  
Canadian Wildlife Service  
Hull, Quebec K1A 0H3  
(819) 953-6612

**Purpose:** To examine breeding bird population changes and establish priorities for managing songbirds

**Location:** Throughout Canada

**Period:** June (during peak breeding period)

## 11. CANADIAN ATLANTIC QUOTA REPORT

## 12. CANADIAN CLIMATE AND WATER INFORMATION

## 13. CANADIAN LAKES LOON SURVEY

**Sponsor:** Bird Studies Canada

**Resource/Parameters:**

BIOTA/Birds: survey (Make a minimum of 3 checks: 1 in each June, July, and August, of an entire lake or section of a lake to look for adult common loons and assess chick survival)

**Contact:**

Aquatic Surveys Officer  
Canadian Lakes Loon Survey  
Bird Studies Canada  
P.O. Box 160  
Port Rowan, Ontario N0E 1M0  
(888) 448-BIRD  
(519) 586-3531

**Purpose:** To record information about the distribution and breeding success of loons.

**Location:** Throughout Canada

**Period:** June, July, August

## 14. CANADIAN LANDINGS INFORMATION

**Program:** Fisheries and Oceans Statistical Services

**Sponsor:** Department of Fisheries and Oceans

**Website:** [http://www.dfo-mpo.gc.ca/communic/statistics/landings/land\\_e.htm](http://www.dfo-mpo.gc.ca/communic/statistics/landings/land_e.htm)

**Resource/Parameters:**

BIOTA/seafisheries: volume and value of landings by species-groups, by main species, by province and, for Atlantic Canada by DFO regions

**Contact:**

Kieth W. Brickley  
Statistical Services  
200 Kent Street  
Ottawa, Ontario K1A 0E6  
(800) 298-9935  
(613) 993 - 2264  
infostat@dfo-mpo.gc.ca

**Period:** Data tables: 1990 to one year before the current fishing season. Summary tables: 1976 to 2000



## 15. CANADIAN MIGRATION MONITORING NETWORK

**Sponsor:** Bird Studies Canada

**Website:** <http://www.bsc-eoc.org/national/cmmn.html>

**Resource/Parameters:**

BIOTA/Birds: surveys, banding

**Contact:**

Bird Studies Canada  
P.O. Box 160  
Port Rowan, ON  
Canada N0E 1M0  
1-888-448-BIRD

**Purpose:** Developing standards for data collection, preparing computer software to aid with data entry for migration counts, and developing analysis programs to calculate trends automatically using the data from each station; counting and banding birds across the country

**Location:** Canada-wide, including: Fundy Bird Observatory, Point Lepreau, Brier Island Migration Research Station, Atlantic Bird Observatory

## 16. CANADIAN SHELLFISH SANITATION PROGRAM

**Sponsor:** Canadian Food Inspection Agency

**Website:** <http://www.inspection.gc.ca/english/anima/fispoi/csspccsme.shtml>

<http://www.ns.ec.gc.ca/epb/sfish/sfish.html>

**Resource/Parameters:**

BIOTA/Phytoplankton: paralytic shellfish poisoning, amnesic shellfish poisoning, diarrhetic shellfish poisoning  
BIOTA/Mollusk: soft shell clam (tissue): paralytic shellfish poisoning, amnesic shellfish poisoning, diarrhetic shellfish poisoning; blue mussel (tissue): paralytic shellfish poisoning, amnesic shellfish poisoning, diarrhetic shellfish poisoning

**Contacts:**

Amar Menon  
Environment Protection Branch  
Environment Canada  
45 Alderney Drive 16th Floor  
Tel: (902) 426-9003 Fax: (902) 426-3897  
email: amar.menon@ec.gc.ca  
[www.ns.ec.gc.ca/epb/sfish/sfish.html](http://www.ns.ec.gc.ca/epb/sfish/sfish.html)

**More program details and Program Entry Outline:** See supplement

## 17. CEMAR ROUTING MONITORING

## 18. COAST-TO-COAST MOTH AND BUTTERFLY SURVEY

**Sponsor:** Canadian Wildlife Foundation

**Website:** <http://www.cwf-fcf.org>

**Resource/Parameter:**

BIOTA/Invertebrates/moths, butterflies (Participants keep watch in their backyards, schoolyards, parks, or by the porch light at night and report sightings of the white admiral, red admiral, painted lady, mourning cloak, monarch, tiger swallowtail, black swallowtail, luna moth, and polyphemus moth)

**Contact:**

Canadian Wildlife Federation  
2740 Queensview Drive  
Ottawa, Ontario K2B 1A2  
(800) 565-6305

**Purpose:** To keep track of moth and butterfly populations in order to investigate habitat loss and ecosystem health; to learn more about which plants are most attractive to which moths and butterflies; to assess the merits of butterfly gardening

**Location:** Across Canada

**Period:** Spring and Summer

## 19. COOPERATIVE BACTERIAL MONITORING

**Sponsor:** Eastern Charlotte Waterways Inc.

**Website:** <http://www.ecwinc.org>

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform  
WATER QUALITY/fecal coliform bacteria

**Contact:**

Susan A. Farquharson, Executive Director  
17 Main Street  
St. George, New Brunswick E5C 3H9  
(506) 755-6001  
ecwinc@nbnet.nb.ca

**Locations:** L'Etang, Digdeguash, Woodwards Cove and Grand Harbour

Request for information 010703

Response 010903 Susan Farquharson ecwinc@nbnet.nb.ca

Promised by 022003

Request for information 032703

Request for information 080503

## 20. DREDGED MATERIAL OCEAN DISPOSAL SITE MONITORING PROGRAM

**Sponsor:** Environment Canada

**Program:** Disposal at Sea Program

**Resource/Parameters:**

CONTAMINANTS/metals (Cd, Hg, Cu, Pb, Zn), total PAHs, total PCBs

SEDIMENT QUALITY/grain size, total organic carbon, metals (Cd, Hg, Cu, Pb, Zn), total PAHs, total PCBs

**Contact:**

Dr. K.- L. Tay  
Environment Canada



45 Alderney Drive  
 Dartmouth, Nova Scotia B2W 2E1  
 (902) 426-8304  
 kok-leng.tay@ec.gc.ca  
 Request for information 010903  
 Response 010903 K.L. Tay Kok-leng.Tay@EC.GA.CA  
 Promised 022003  
 Request for information 032603  
 Request for information 080503

## 21. ENVIRODAT DATA ARCHIVE

## 22. ENVIRONMENTAL QUALITY DATA BANK (ENVIRODAT)

**Sponsor:** Environment Canada - Atlantic Region

**Website:** <http://www.atl.ec.gc.ca/>

**Resource/Parameters:**

BIOTA/tissue: pesticides, PAHs, PCBs, metals (As, Cd, Hg, Pb)

CONTAMINANTS/pesticides, PAHs, PCBs, metals (As, Cd, Hg, Pb)

NUTRIENTS/Water: nitrates, nitrites, phosphorus

WATER QUALITY/

**Contact:**

Tom Pollack  
 Environment Canada  
 P.O. Box 23005  
 Moncton, New Brunswick E1A 6S8  
 (506) 851-3836  
 tom.pollack@ec.gc.ca  
 Request for information 010903 – email name not recognized

## 23. HABITAT STEWARDSHIP PROGRAM

## 24. HISTORICAL STATISTICS

**Program:** Fisheries and Oceans Statistical Services

**Sponsor:** Department of Fisheries and Oceans

**Website:** [http://www.dfo-mpo.gc.ca/communic/statistics/Historic/main\\_e.htm](http://www.dfo-mpo.gc.ca/communic/statistics/Historic/main_e.htm)

**Resource/Parameters:**

BIOTA/recreational fishing summary tables: angler populations, angler effort, harvest, major purchases and direct expenditures; historical landings – seafisheries: landed quantities and values by species group, species and province; historical landings – freshwater: total landed quantities and values by province and principle species or species; historical landings – world harvests; imports: volumes and values of fisheries imports, by product group and by producing countries; exports: volumes and values of

fisheries exports, by product group and by countries importing Canadian fisheries products

**Contact:**

Kieth W. Brickley  
 Statistical Services  
 200 Kent Street  
 Ottawa, Ontario K1A 0E6  
 (800) 298-9935  
 (613) 993 - 2264  
 infostat@dfo-mpo.gc.ca

**Period:** 1970s and 1980s

recreational fishing summary tables (1975, 1980, 1985)

historical landings – seafisheries (1972 to 1989)

historical landings – freshwater (1970 to 1999)

historical landings – world harvests (1974 to 1995)

imports (1976 to 1995)

exports (1976 to 1995)

## 25. MARINE MAMMAL AND SEA TURTLE CENSUS

**Sponsor:**

**Resource/Parameter:**

BIOTA/Marine Mammals (whales, dolphins, porpoises, seals, sea turtles): numbers, habitat

**Contact:**

Jerry Conway  
 Marine Mammal Advisor  
 Resource Management Branch  
 Scotia-Fundy Region  
 P.O. Box 550  
 Halifax, Nova Scotia B3J 2S7  
 (902) 426-9609

**Purpose:** To gather information on whales, dolphins, porpoises, seals, and sea turtles plus their numbers and habitat in order to better understand the marine environment

**Location:** The waters and shores of Atlantic Canada

**Period:** Year-round

## 26. MARINE WEATHER DATA

## 27. MARITIME NEST RECORD SCHEME

**Sponsor:**

**Resource/Parameters:**

BIOTA/Birds: survey (participants search for occupied nests and record data on their location, habitat, contents, construction, and placement)

**Contact:**

Maritime Nest Record Scheme  
 P.O. Box 1590  
 Sackville, New Brunswick E0A 3L0





**Purpose:** To provide information on breeding birds for research and conservation purposes.

**Location:** Throughout the Maritimes.

**Period:** Mainly late spring to early summer

## 28. MARITIME SHELLFISH SANITATION PROGRAM

**Sponsor:** Environment Canada

**Program:** Environmental Protection Branch

**Website:** <http://www.ns.ec.gc.ca/epb/sfish/sfish.html>  
<http://www.inspection.gc.ca/english/anim/fispoi/manman/cssppccsm/toctdme.shtml>

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform

WATER QUALITY/fecal coliform bacteria

**Contact:**

Amar Menon

Environment Protection Branch

Environment Canada

45 Alderney Drive 16th Floor

Dartmouth, Nova Scotia B2Y 2N6

(902) 426-9003

amar.menon@ec.gc.ca

Request for information 010903

Program entry received 011503 Amar Menon

amar.menon@ec.gc.ca

## 29. MARITIMES SHOREBIRD SURVEY

**Sponsor:** Canadian Wildlife Survey

**Resource/Parameter:**

BIOTA/Birds: surveys (Participants select a freshwater or brackish marsh, identifying and counting all the shorebirds present each spring and fall on preselected dates)

**Contact:**

Peter Hicklin

Canadian Wildlife Service – Atlantic Region

Sackville, New Brunswick E0A 3C0

(506) 364-5044

(506) 364-5042

**Purpose:** To identify and document wetlands of importance to migratory shorebirds in the Maritime provinces and determine shorebird population trends over time

**Location:** Atlantic Canada

**Period:** Selected dates during spring (May to June) and fall (July to October) shorebird migrations

## 30. MOOSEHEAD MARITIMES BEACH SWEEP AND LITTER SURVEY

**Sponsor:**

**Resource/Parameter:**

DEBRIS/collection, survey (Volunteers collect litter and fill out data collection cards)

**Contact:**

Sharon Labchuk

Environmental Coalition of P.E.I

126 Richmond Street

Charlottetown, P.E.I. C0A 1E0

(902) 566-4696

peien@peinet.pe.ca

**Purpose:** To obtain data that assists researchers in pinpointing sources of beach litter and developing ways to control it

**Location:** Throughout Prince Edward Island, New Brunswick, and Nova Scotia

**Period:** June, during Canadian Environment Week

## 31. NATIONAL CLIMATE DATA ARCHIVE

## 32. NATIONAL WATER DATA ARCHIVE

## 33. NEST RECORD SCHEME

**Sponsor:**

**Resource/Parameters:**

BIOTA/Birds: breeding success, distribution, nesting habitat

**Contact:**

Tony Erskine

Canadian Wildlife Service

Box 1590

Sackville, New Brunswick E0A 3C0

**Purpose:** To determine breeding success, distribution, and habitat of nesting birds

**Location:** Canada: British Columbia, the Prairies, Ontario, Quebec, Maritimes

**Period:** Mainly the breeding season

## 34. PURPLE LOOSESTRIFE SURVEY

**Sponsor:** Canadian Wildlife Federation

**Website:** <http://www.cwf-fcf.org>

**Resource/Parameters:**

BIOTA/Plants/Invasive/Alien Species: sightings of purple loosestrife

**Contact:**

Canadian Wildlife Federation

2740 Queensview Drive

Ottawa, Ontario K2B 1A2

(800) 565-6305

info@cwf-fcf.org

**Purpose:** To monitor the spread of this exotic plant, with the ultimate objective of bringing it under control

Locations: Across Canada

**Period:** Mid-July to late August (blooming time varies across the country)



### 35. QUOTA MONITORING REPORT FOR FIXED GEAR <45' GROUND FISH FLEET

### 36. QUOTA MONITORING REPORT FOR INSHORE SNOW CRAB

### 37. SEABIRD MONITORING PROGRAM

**Sponsor:** Grand Manan Whale and Seabird Research Station

**Website:** <http://personal.nbnet.nb.ca/gmwhale/seabirds.htm#GMBO/>

**Resource/Parameters:**

BIOTA/Birds: counts

**Contact:**

Grand Manan Whale and Seabird Research Station  
24 Route 776

Grand Manan, New Brunswick, Canada, E5G 1A1

### 38. TIDES, CURRENTS, AND WATER LEVELS DATA

### 39. TOXIC CHEMICALS IN CANADIAN SEABIRDS

**Sponsor:** Canadian Wildlife Service, Environment Canada

**Resource/Parameters:**

BIOTA/Birds

CONTAMINANTS/organochlorine residues (12), metals  
(Hg)

**Contact:**

Neil Burgess  
Canadian Wildlife Service

Environment Canada

6 Bruce Street

Mt. Pearl, Newfoundland A1N 4T3

(709) 772-4143

neil.burgess@ec.gc.ca

Request for information 011403

Request for information 032603

Request for information 080503

## Canada: New Brunswick Programs

### 40. AIR QUALITY MONITORING IN NEW BRUNSWICK

### 41. COMMUNITY ENVIRONMENTAL MONITORING PROGRAM

**Sponsor:** Numerous government and private sponsors

**Program:** Atlantic Coastal Action Program (ACAP) Saint  
John

**Website:** <http://user.fundy.net/acapsj>

**Resource/Parameters:**

AIR QUALITY/

BIOTA/Birds: counts

BIOTA/Bacteria: fecal coliform

BIOTA/Benthos: benthic macroinvertebrates

BIOTA/Fish: abundance

BIOTA/intertidal surveys, community assemblages, activity

CONTAMINANTS/

DEBRIS/marine, coastal

HABITAT/

NUTRIENTS/Water: total nitrogen, total phosphate

WATER QUALITY/dissolved oxygen, pH, salinity,

temperature, turbidity

WEATHER/air temperature, sky/clouds, precipitation,

winds, wind direction

**Contact:**

Allison Lowe, Communications and Environmental  
Operations

Atlantic Coastal Action Program (ACAP) Saint John

76 Germain Street

P.O. Box 6878, Station A

Saint John, New Brunswick E2L 4S3

(506) 652-2227

acapsj@fundy.net

acapsj@omi.oet

**Purpose:** To establish baseline environmental quality data on  
the Saint John Harbour Watershed area

**Period:** Weekly, June to August (tide dependent)

**Location:** Saint John, New Brunswick

### 42. CUMULATIVE COUNTS OF LARGE SALMON AND GRILSE

### 43. ENTEROMORPHA MONITORING

**Sponsor:** St. Croix Estuary Project

**Website:** <http://www.scep.org>

**Resource/Parameters:**

BIOTA/Algae: Enteromorpha: phosphorus, nitrogen

NUTRIENTS/phosphorus, nitrogen

**Contact:**

Mark Bader  
 St. Croix Estuary Project  
 178 Milltown Boulevard  
 St. Stephen, New Brunswick E3L 1G8  
 (506) 467-9905  
 scepnet@nbnet.nb.ca

#### 44. NEW BRUNSWICK ESTUARY CLASSIFICATION PROGRAM

**Sponsor:** St. Croix Estuary Project, Maine Department of Marine Resources, Shellfish Harvest Area Bacterial Monitoring Program

**Website:** <http://www.scep.org>

**Resource/Parameters:**

WATER QUALITY/chemistry

**Contact:**

Mark Bader  
 St. Croix Estuary Project  
 178 Milltown Boulevard  
 St. Stephen, New Brunswick E3L 1G8  
 (506) 467-9905  
 scepnet@nbnet.nb.ca

#### 45. NEW BRUNSWICK FINFISH AQUACULTURE MONITORING PROGRAM

**Sponsors:** New Brunswick Department of the Environment, Local Government, New Brunswick Department of Agriculture, Fisheries, and Aquaculture

**Resource/Parameters:**

HABITAT/  
 SEDIMENT QUALITY/redox, sulfide

**Contact:**

Darrell Welles  
 Aquaculture Approvals Officer  
 P.O. Box 6000  
 Fredericton, New Brunswick E3B 5H1  
 (506) 453-6633  
 Darrell.welles@gnb.ca

**Program Entry Outline:** See supplement

#### 46. PHYTOPLANKTON MONITORING

**Sponsor:** Fisheries and Oceans Canada

**Resource/Parameters:**

BIOTA/Phytoplankton  
 NUTRIENTS/Water: ammonia, nitrate, nitrite, phosphorus, silicate  
 WATER QUALITY/oxygen, temperature, salinity, fluorescence

**Contact:**

Jennifer Martin  
 Fisheries and Oceans Canada  
 Biological Station  
 531 Brandy Cove Road  
 St. Andrews, New Brunswick E5B 2L9  
 (506) 529-5921  
 martinjl@mar.dfo-mpo.gc.ca

#### 47. NEW BRUNSWICK ROCKWEED STUDY

**Sponsor:** St. Croix Estuary Project

**Website:** <http://www.scep.org>

**Resource/Parameters:**

BIOTA/seaweed: rockweed presence  
 HABITAT/destruction, available food sources

**Contact:**

Mark Bader  
 St. Croix Estuary Project  
 178 Milltown Boulevard  
 St. Stephen, New Brunswick E3L 1G8  
 (506) 467-9905  
 scepnet@nbnet.nb.ca

#### 48. SHELLFISH FISHERY MANAGEMENT PLAN FOR OAK BAY

**Sponsors:**

St. Croix Estuaries Project  
 Fisheries and Oceans Canada  
 Environment Canada  
 Canadian Food Inspection Agency  
 New Brunswick Department of Agriculture, Fisheries, and Aquaculture  
 East Charlotte Waterway Inc.  
 Lepreau Clam Diggers Association  
 West Charlotte Clam Diggers Association  
 New Brunswick Research and Productivity Council

**Website:** <http://www.scep.org>

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform  
 BIOTA/soft shell clam: fecal coliform bacteria  
 WATER QUALITY/fecal coliform bacteria

**Contact:**

Mark Bader  
 St. Croix Estuary Project  
 178 Milltown Boulevard  
 St. Stephen, New Brunswick E3L 1G8  
 (506) 467-9905  
 scepnet@nbnet.nb.ca



#### 49. NEW BRUNSWICK WATER QUALITY (QUALITE DE L'EAU)

**Sponsor:** Management Society of the Madawaska River and Temiscouata Lake

**Resource/Parameters:**  
WATER QUALITY/

**Contact:**

Martin Dumesmil  
Societe d'amenagement de la riviere Madawaska et du lac Temiscouata  
C.P. 1070  
Saint-Jacques, New Brunswick E0L 1K0  
(506) 739-1992  
sarmlt@nbnet.nb.ca

**Purpose:** To obtain information about the quality of water in the Madawaska River, thereby identifying potential sources of pollution, raising public awareness about the environment, and promoting respectful use of the river.

**Location:** Madawaska River in northwestern New Brunswick, along the Quebec border

**Period:** Mainly summer months, although sampling can be done throughout the year

**Time:** One to 1 ½ hours a week during the sampling period

### Canada: Nova Scotia Programs

#### 50. ANNAPOLIS RIVER GUARDIANS

#### 51. ANNAPOLIS VALLEY CLIMATE CHANGE POLICY RESPONSE PILOT PROJECT

#### 52. BIRD STRIKE SURVEY

#### 53. BROTHERS ISLAND TERN MONITORING REPORTS

#### 54. COME FROM AWAY'S – AIR QUALITY IN THE ANNAPOLIS VALLEY

#### 55. CUMULATIVE COUNTS OF LARGE SALMON AND GRILSE

#### 56. HALIFAX FIELD NATURALIST CANADA DAY BUTTERFLY COUNT

**Sponsor:**

**Resource/Parameter:**

BIOTA/Invertebrates/Butterflies (Participants assigned to portions of the study area, including private gardens, count the number of individuals of each species sighted)

**Contact:**

Peter Payzant  
Halifax Field Naturalists  
c/o Nova Scotia Museum of Natural History  
1747 Summer Street  
Halifax, Nova Scotia B3H 3A6  
(902) 861-1607  
aa095@ccn.cs.dal.ca

**Purpose:** To conduct a one-day census of all butterflies sighted within a 24-km diameter circle

**Location:** Near the Halifax-Dartmouth metropolitan area

**Period:** Early July

#### 57. INTERNATIONAL BIODIVERSITY MONITORING

**Sponsor:** Biodiversity Research Associates

**Resource/Parameters:**

BIOTA/(to identify and monitor various species at specific sites)

**Contacts:**

Mary Williams  
Biodiversity Research Associates  
R.R. #1, Site 9  
Port Morien, Nova Scotia B0A 1T0  
and  
Dr. Donald Arseneau  
Biodiversity Research Associates  
10 Xavier Drive  
Sydney, Nova Scotia B1S 2R8

**Purpose:** To complete inventories and set International Biodiversity Monitoring systems in place in a few locations in Cape Breton, Nova Scotia

**Location:** Cape Breton Island, Nova Scotia

**Period:** Periodically throughout the summer, or a portion thereof

#### 58. SABLE ISLAND WEATHER

#### 59. SUB-WATERSHED INVESTIGATIVE MONITORING



## United States: National Programs

### 60. AMBIENT AIR MONITORING PROGRAM

**Website:** <http://www.epa.gov/air/oaqps/qa/monprog.html>

**Resource/Parameters:**

AIR QUALITY/  
CONTAMINANTS/  
WEATHER/

### 61. BEACH WATCH PROGRAM

**Sponsor:** Environmental Protection Agency

**Website:** <http://www.epa.gov/ost/beaches>

**Resource/Parameters:**

WATER QUALITY/

### 62. BIOEFFECTS STUDIES PROJECT

**Sponsor:** National Oceanic and Atmospheric Administration

**Program:** National Status and Trends Program

**Website:** <http://ccmaserver.nos.noaa.gov/NSandT/NSandTBS.html>

<http://ccmaserver.nos.noaa.gov/NSandT/NS%26TBS.html>

**Resource/Parameters:**

BIOTA/Benthos  
CONTAMINANTS/inorganics, organics  
SEDIMENT QUALITY/

**Contact:**

Dr. Jawed Hameedi  
NOAA, N/SCI  
1305 East West Highway  
Silver Spring, Maryland 20910  
(301) 713-3034 x170  
jawed.hameedi@noaa.gov  
Request for information 012303  
Contact changed to Gunnar Lauenstein  
(Gunnar.Lauenstein@noaa.gov) 012703  
Request for information 032603

### 63. BIOGEOGRAPHY PROGRAM

**Sponsor:** National Oceanic and Atmospheric Administration

**Program:** National Status and Trends Program

**Website:** <http://biogeo.nos.noaa.gov/>

**Resource/Parameters:**

BIOTA/Fish: abundance, distribution, ecology, natural history  
HABITAT/mapping

**Contact:**

Mark E. Monaco, Ph.D.

1305 East-West Highway

SSMC-IV, 9th Floor

Silver Spring, MD 20910

301-713-3028, Ext. 160

[mark.monaco@noaa.gov](mailto:mark.monaco@noaa.gov)

Response 012003 No current activities in region Mark Monaco

### 64. BIRD SOURCE

**Sponsor:** National Audubon Society, Cornell Laboratory of Ornithology

**Website:** <http://birdsource.cornell.edu/index.html>

**Resource/Parameters:**

FAUNA/Birds: observations, counts

**Contact:**

BirdSource  
National Audubon Society/Cornell Laboratory of Ornithology

### 65. CHRISTMAS BIRD COUNT

**Sponsor:** National Audubon Society

**Website:** <http://www.audubon.org/bird/cbc/index.html>

**Resource/Parameters:**

BIOTA/Birds

### 66. COASTAL PROGRAM

**Sponsor:** United States Fish and Wildlife Service, Division of Fish and Wildlife Management and Habitat Restoration

**Website:** <http://www.fws.gov/cep/coastweb.html>

**Resource/Parameters:**

HABITAT/protection, restoration

**Contact:**

Martha Naley  
U.S. Fish and Wildlife Service  
Branch of Habitat Restoration, Room 400  
4401 N. Fairfax Blvd  
Arlington VA 22203  
(703)358-2201

### 67. COASTAL NONPOINT POLLUTION CONTROL PROGRAM

**Sponsor:** National Oceanic and Atmospheric Administration, Office of Ocean and Coastal Resource Management (OCRM) Coastal Programs Division (CPD)

**Program:** Coastal Zone Management Program

**Website:** <http://www.ocrm.nos.noaa.gov/czm/6217/>

**Contact:**

John Kuriawa (John.Kuriawa@noaa.gov)  
Request for information 012503  
Response 012803 Coordinate with Bill O'Beirne



## 68. COASTAL ZONE ENHANCEMENT PROGRAM

**Sponsor:** National Oceanic and Atmospheric Administration, Office of Ocean and Coastal Resource Management (OCRM) Coastal Programs Division (CPD)

**Program:** Coastal Zone Management Program

**Website:** <http://www.ocrm.nos.noaa.gov/czm/czmenhancement.html>

**Resource/Parameters:**

DEBRIS/  
HABITAT/wetlands

**Contact:**

John King  
Office of Ocean and Coastal Resource Management, N ORM3  
1305 East-West Highway  
Silver Spring, Maryland 20910  
301-713-3121 Ext. 188  
[john.king@noaa.gov](mailto:john.king@noaa.gov)

Request for information 012603

Request for information 032603

## 69. COASTAL ZONE MANAGEMENT PROGRAM

**Sponsor:** National Oceanic and Atmospheric Administration, Office of Ocean and Coastal Resource Management (OCRM), Coastal Programs Division (CPD)

**Website:** <http://www.ocrm.nos.noaa.gov/czm>

**Contact:**

NOAA, Office of Ocean and Coastal Resource Management  
Coastal Programs Division, N/ORM3  
1305 East-West Highway, SSMC4  
Silver Spring, Maryland 20910  
(301) 713-3155

## 70. DISPOSAL AREA MONITORING SYSTEM (DAMOS)

**Sponsor:** United States Army Corps of Engineers – New England District

**Website:** [http://www.nae.usace.army.mil/enviro/m/damos/splash\\_page.htm](http://www.nae.usace.army.mil/enviro/m/damos/splash_page.htm)

**Resource/Parameters:**

BIOTA/Benthos, tissue  
CONTAMINANTS/Cu, Hg, Pb, Zn, PAHs, PCBs, dioxins/furans  
SEDIMENT QUALITY/chemistry  
SEDIMENT QUALITY/toxicity  
Bathymetric surveys, physical oceanography, fishery surveys

**Contact:**

Thomas J. Fredette, Ph.D.  
United States Army Corps of Engineers  
New England District  
696 Virginia Road  
Concord, MA 01742-2751

Tel: 978.318.8291

Email: [thomas.j.fredette@usace.army.mil](mailto:thomas.j.fredette@usace.army.mil)  
and

Gail French  
(978) 318-8077

[gail.t.french@usace.army.mil](mailto:gail.t.french@usace.army.mil)

**Program Entry Outline:** See supplement

## 71. ENVIRONMENTAL MONITORING AND ASSESSMENT PROGRAM (EMAP)

**Sponsor:** United States Environmental Protection Agency

**Website:** <http://www.epa.gov/emap>

**Resources/Parameters:**

BIOTA/Fish, Benthos, Invertebrates  
SEDIMENT QUALITY/chemistry  
CONTAMINANTS/  
SEDIMENT QUALITY/toxicity  
WATER QUALITY/

**Contact:**

Dr. Michael McDonald, Director  
[mcdonald.michael@epa.gov](mailto:mcdonald.michael@epa.gov)  
Request for information 012603  
Request for information 032603

## 72. GREAT WATERS PROGRAM

**Sponsor:** Environmental Protection Agency

**Website:** <http://www.epa.gov/oar/oaqps/gr8water>

## 73. GULF OF MAINE OCEAN OBSERVING SYSTEM (GOMOOS)

**Website:** <http://www.gomoos.org>

**Resource/Parameters:**

BIOTA/phytoplankton, zooplankton (future)  
NUTRIENTS/chlorophyll  
WATER CONDITIONS/Currents: surface, depth, waves  
WATER QUALITY/dissolved oxygen, temperature  
WEATHER/winds

**Contact:**

Philip Bogden, CEO  
Gulf of Maine Ocean Observing System  
One Canal Plaza, 7th Floor  
P.O. Box 4919  
Portland, Maine 04112-4919  
(207) 773-0423  
[bogden@gomoos.org](mailto:bogden@gomoos.org)  
Request for information 012603  
Request for information 032603





#### 74. GULFWATCH PROGRAM

**Sponsor:** Gulf of Maine Council on the Marine Environment

**Program:** Environmental Quality Monitoring

**Website:** <http://www.gulfofmaine.org/library/gulfwatch/index.html>

**Resource/Parameters:**

BIOTA/Mollusks (tissue): 17 chlorinated pesticides, 10 metals, 24 PAHs, 24 PCB congeners, % dry weight, condition index

CONTAMINANTS/10 metals (Ag, Al, Cd, Cr, Cu, Fe, Hg, Ni, Pb, Zn), 24 PAHs, 24 PCBs, chlorinated pesticides

**Contact:**

Steve Jones  
Jackson Estuarine Laboratory  
University of New Hampshire  
85 Adams Point Road  
Durham, NH 03824  
(603) 862-2175  
shj@cisunix.unh.edu  
Request for information 020103  
Request for information 032703 (with ME/NH programs)

#### 75. INVASIVE PLANT ATLAS OF NEW ENGLAND

**Organization:** New England Wild Flower Society

**Website:** <http://www.ecb.uconn.edu/invasives/ipane>

**Resource/Parameters:**

BIOTA/flora: (invasive) distribution, abundance

**Contact:**

Bryan Connolly  
New England Wildflower Society  
180 Hemenway Rd.  
Framingham, MA 01701  
(508) 877-7630 X3208  
bconnolly@newfs.org  
Request for information 012603  
Request for information 032603

#### 76. INVENTORY AND MONITORING PROGRAM

#### 77. MARINE RESOURCES MONITORING, ASSESSMENT AND PREDICTION (MARMAP)

**Sponsor:** United States Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northeast Fisheries Science Center

**Resource/Parameters:**

BIOTA/ Phytoplankton, Zooplankton: abundance, composition  
NUTRIENTS/chlorophyll

WATER CONDITIONS/color

WATER QUALITY/temperature, salinity

WEATHER/wind velocity

**Contact:**

Sharon MacLean  
National Oceanic and Atmospheric Administration  
Narragansett Laboratory  
28 Tarzwell Drive  
Narragansett, Rhode Island 02882  
(401) 782-3258  
sharon.maclean@noaa.gov  
Request for information 012603  
Change contact information/request forwarded to Carolyn Griswold

#### 78. MERCURY DEPOSITION NETWORK

**Program:** National Atmospheric Deposition Program (NADP/MDN)

**Website:** <http://nadp.sws.uiuc.edu/mdn/>

**Resource/Parameters:**

CONTAMINANTS/  
WEATHER/

**Contacts:**

Clyde Sweet  
NADP Associate Coordinator for Toxics  
csweet@sws.uiuc.edu  
(217) 333-7191  
and  
Bob Brunette  
Frontier Geosciences, Inc.  
info@frontier.wa.com  
bobb@frontier.wa.com  
(206) 622-6960  
Request for information 012603; frontier.wa.com not found; phone message left

#### 79. MUSSEL WATCH PROJECT

**Sponsor:** National Oceanic and Atmospheric Administration

**Program:** National Status and Trends Program

**Website:** <http://ccmaserver.nos.noaa.gov/NSandT/NSandTMW.html>

**Resource/Parameters:**

BIOTA/Bacteria: Clostridium perfringens  
BIOTA/Mollusks (Mytilus edulis): PAHs, chlorinated pesticides, PCBs, chlorinated dibenzofurans, chlorinated dioxins, metals, organotins, %lipid  
CONTAMINANTS/PAHs, chlorinated pesticides, PCBs, chlorinated dibenzofurans, chlorinated dioxins, metals, organotins  
SEDIMENT QUALITY/contaminants: PAHs, chlorinated pesticides, PCBs, chlorinated dibenzofurans,



chlorinated dioxins, metals, organotins, %TOC, grain size

**Contact:**

Dr. Jawed Hameedi  
NOAA, N/SCI  
1305 East West Highway  
Silver Spring, Maryland 20910  
(301) 713-3034 x170  
jawed.hameedi@noaa.gov  
Request for information 012303  
Contact changed to Gunnar Lauenstein  
(Gunnar.Lauenstein@noaa.gov) 012703  
Request for information 032603

**80. NATIONAL ATMOSPHERIC DEPOSITION PROGRAM (NADP/NTN)**

**Program:** National Trends Network

**Website:** <http://nadp.sws.uiuc.edu/nadpoverview.asp>

**Resource/Parameters:**

ATMOSPHERIC DEPOSITION/  
CONTAMINANTS/  
WEATHER/

**81. NATIONAL BENTHIC SURVEILLANCE PROJECT**

**Sponsor:** National Oceanic and Atmospheric Administration

**Program:** National Status and Trends Program

**Website:** <http://ccmaserver.nos.noaa.gov/NSandT/NSandTBS.html>

<http://ccmaserver.nos.noaa.gov/NSandT/NS%26TBS.html>

**Resource/Parameters:**

BIOTA/Fish, Invertebrates  
CONTAMINANTS/pesticides, industrial chemicals, PAHs, metals

**Contact:**

Dr. Jawed Hameedi  
NOAA, N/SCI  
1305 East West Highway  
Silver Spring, Maryland 20910  
(301) 713-3034 x170  
jawed.hameedi@noaa.gov  
Request for information 012303  
Contact changed to Gunnar Lauenstein  
(Gunnar.Lauenstein@noaa.gov) 012703  
Request for information 032603

**82. NATIONAL COASTAL ASSESSMENT/COASTAL 2000**

**Sponsor:** United States Environmental Protection Agency in partnership with the coastal states

**Program:** Environmental Monitoring and Assessment Program (EMAP)

**Website:** <http://www.epa.gov/emap/>

<http://www.epa.gov/emfjulte/nca>

**Resource/Parameters:**

WATER QUALITY/dissolved oxygen, salinity, temperature, depth, water clarity (CTD)  
SEDIMENT QUALITY/chemistry  
SEDIMENT QUALITY/toxicity  
SEDIMENT QUALITY/total organic carbon, pH, TSS, % slit/clay  
BIOTA/Benthos  
BIOTA/Fish: community composition, pathology

**Contact:**

Jerry Pesch  
USEPPA, Atlantic Ecology Division  
27 Tarzwell Drive Narragansett, Rhode Island 02882  
(401) 782-3007  
pesch.gerald@epa.gov

**83. NATIONAL ESTUARINE RESEARCH RESERVE SYSTEM-WIDE MONITORING PROGRAM**

**Sponsor:** United States Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service

**Website:** <http://www.inlet.geol.sc.edu/cdmohome.html>

**Resource/Parameters:**

BIOTA/biodiversity (planned)  
HABITAT/land use (planned)  
NUTRIENTS/chlorophyll (ongoing)  
WATER CONDITIONS/depth (ongoing)  
WATER QUALITY/salinity, dissolved oxygen, turbidity, pH (ongoing)  
WEATHER/ (ongoing)

**Contact:**

Maurice Crawford, Science Coordinator  
Estuarine Reserves Division, N/ORM5  
NOS, National Oceanic and Atmospheric Administration  
1305 East-West Highway, SSMC4, Room 11616  
Silver Spring, MD 20910  
(301) 713-3155 x165  
maurice.crawford@noaa.gov

**Program Entry Outline:** See Supplement

**84. NATIONAL ESTUARY PROGRAM**

**Sponsor:** United States Environmental Protection Agency

**Website:** <http://www.epa.gov/owow/estuaries>





### 85. NATIONAL HABITAT PROGRAM

**Sponsor:** National Oceanic and Atmospheric Administration, Office of Habitat Conservation, National Marine Fisheries Service

**Website:** <http://www.nmfs.noaa.gov/habitat/index.html>

**Resource/Parameters:**

BIOTA/Fish, Shellfish  
HABITAT/

### 86. NATIONAL MARINE DEBRIS MONITORING PROGRAM

**Sponsor:** Center for Marine Conservation

**Website:** <http://www.cmc-ocean.org>

**Resource/Parameters:**

DEBRIS/characterization, inventory

**Contact:**

Center for Marine Conservation Atlantic Regional Office  
(757) 496-0920  
and  
Theresa Torrent-Ellis  
State Planning Office  
Augusta, Maine 04333  
(207) 287-2351  
theresa.torrent-ellis@state.me.us

Request for information 012603

Request for information 032603

### 87. NATIONAL MARINE SANTUARY PROGRAM

**Sponsor:** National Oceanic and Atmospheric Administration

**Website:** <http://www.sanctuaries.nos.noaa.gov>

### 88. NATIONAL STATUS AND TRENDS PROGRAM

**Sponsor:** National Oceanic and Atmospheric Administration

**Website:** [http://ccmaserver.nos.noaa.gov/NSandT/New\\_NSandT.html](http://ccmaserver.nos.noaa.gov/NSandT/New_NSandT.html)

**Resource/Parameters:**

BIOTA/Fish (tissue): (liver) PCBs, pesticides, metals, bile-fluorescent aromatic compounds (stomach) PCBs, pesticides, toxic elements, PAHs, age, length, gross pathology, liver and kidney lesions, stomach content taxonomy.

SEDIMENT QUALITY/Contaminants: PAHs, PCBs, pesticides, toxic elements

SEDIMENT QUALITY/Clostridium perfringens spores, total organic carbon, grain size

**Contact:**

Tom O'Connor  
National Oceanic and Atmospheric Administration  
1305 East West Hwy

Silver Springs,, MD 20910  
(301) 713-3028

Tom.Occonor@Noaa.gov

Request for information 012603

Request for information 032603

### 89. NATIONAL WATER QUALITY ASSESSMENT PROGRAM (NAWQA)

**Sponsor:** USGS

**Website:** <http://www.water.usgs.gov/nawqa/>

**Resource/Parameters:**

BIOTA/Fish (tissue): Contaminants: metals, organics  
NUTRIENTS

SEDIMENT QUALITY/Contaminants: metals, organics

WATER QUALITY/Contaminants: metals, major ions, pesticides, VOCs

**Contact:**

Keith Robinson (NH)

361 Commerce Way

Pembroke, NH 03275

(603) 226-7809

[kwrobins@usgs.gov](mailto:kwrobins@usgs.gov)

and

Steve Grady (CT) ([sgrady@usgs.gov](mailto:sgrady@usgs.gov))

### 90. NEW ENGLAND PLANT CONSERVATION PROGRAM

**Website:** <http://www.newfs.org>

**Resource/Parameters:**

BIOTA/Flora: rare plant population trends

**Contact:**

William Brumback

New England Wildflower Society

180 Hemenway Rd.

Framingham, MA 01701

508-877-7630 x3201

[bbrumback@newfs.org](mailto:bbrumback@newfs.org)

Request for information 012603

Request for information 032603

### 91. SPECIMEN BANKING PROJECT

**Sponsor:** National Oceanic and Atmospheric Administration

**Program:** National Status and Trends Program

**Website:** <http://ccmaserver.nos.noaa.gov/NSandT/NS%26TBank.html>

**Resource/Parameters:**

BIOTA/tissue

CONTAMINANTS/

**Contact:**

Dr. Jawed Hameedi

NOAA, N/SCI



1305 East West Highway  
 Silver Spring, Maryland 20910  
 (301) 713-3034 x170  
 jawed.hameedi@noaa.gov  
 Request for information 012303  
 Contact changed to Gunnar Lauenstein  
 (Gunnar.Lauenstein@noaa.gov) 012703  
 Request for information 032603

## United States: Maine Programs

### 92. AIR TOXICS MONITORING PROGRAM

**Sponsor:** Maine Department of Environmental Protection,  
 United States Environmental Protection Agency

**Website:** <http://www.state.me.us/dep/home.htm>

**Resource/Parameters:**

AIR QUALITY/36 compounds

**Contact:**

Jeff Emery  
 Maine Department of Environmental Protection  
 Bureau of Air Quality  
 106 Hogan Road  
 Bangor, Maine 04401  
 (207) 941-4583  
 jeff.emery@state.me.us  
 Request for information 012703  
 Request for information 032803

### 93. ATMOSPHERIC DEPOSITION MONITORING PROGRAM

**Sponsors:** Maine Department of Environmental Protection;  
 State Agricultural Experiment Stations - University of  
 Maine and University of Southern Maine; United States  
 Environmental Protection Agency; National Oceanic and  
 Atmospheric Administration – Air Resources Lab; United  
 States Geological Survey; National Park Service – Air  
 Resources Division

**Website:** <http://www.state.me.us/dep/home.htm>

**Resource/Parameters:**

ATMOSPHERIC DEPOSITION/  
 CONTAMINANTS/hydrogen (acidity as pH), sulfate,  
 nitrate, phosphate, ammonium, chloride, base cations  
 (Ca, Mg, K, Na)

**Contact:**

Andrew Johnson  
 Maine Department of Environmental Protection  
 Bureau of Air Quality  
 17 State House Station

Augusta, Maine 04333-0017  
 (207) 287-2437  
 andy.johnson@state.me.us  
 Request for information 012703  
 Request for information 032803

### 94. BEACH PROFILING PROJECT

**Sponsor:** University of Maine Department of Geological  
 Sciences

**Website:** <http://www.geology.um.maine.edu/beach/>

**Resource/Parameters:**

HABITAT/Beach

**Contact:**

Joe Kelley  
 Dept. of Geological Sciences  
 Bryand Global Sciences Center  
 Orono, Maine 04469  
 (207)581-2162  
 jtkelley@maine.edu  
 and  
 Dan Belknap  
 Dept. of Geology, Bryand Science Center, U Maine  
 Orono, Maine 04469  
 (207) 581-2159  
 belknap@maine.edu  
 Request for information 012703  
 Entry received 021803 Kristen Whiting-Grant  
 (Kristen.whitin-grant@maine.edu)  
 COMPLETE

### 95. MAINE BREEDING BIRD SURVEY

**Sponsor:** United States Geological Survey – Biological  
 Resources Division

**Website:** <http://www.maineaudubon.org>

**Resource/Parameters:**

BIOTA/Birds

**Contact:**

Judy Walker  
 20 Gilslan Farm Rd.  
 Falmouth, Maine 04105  
 (207) 781-2330  
 jwalker@maineaudubon.org  
 Request for information 012703  
 Request for information 032803

### 96. CAMDEN PARTNERS IN MONITORING

**Sponsor:** Camden Partners in Monitoring

**Website:** <http://www.fivetowns.net:591/watermonitor.org>

**Resource/Parameters:**

WATER QUALITY/

**Contact:**

Sue Klemmer, Rob Lovell  
 Camden Hills Regional HS  
 25 Keelson Drive  
 Rockport, Maine 04856  
 (207) 236-7800 ext. 317  
 sue\_klemmer@fivetowns.net  
 Request for information 012703  
 Forward to Rob Lovell (Sue Klemmer's replacement)

### 97. CASCO BAY AIR DEPOSITION MONITORING PROJECT

**Sponsor:** Casco Bay Estuary Project

**Website:** <http://www.cascobay.usm.maine.edu>

**Resource/Parameters:**

ATMOSPHERIC DEPOSITION/Hg, As, Se, V, Ni, V,  
 Cr, N, particulate matter

**Contact:**

Karen Young, Director  
 Casco Bay Estuary project  
 University of Southern Maine  
 49 Exeter Street  
 Portland, Maine 04104  
 207/780-4820  
 kyoung@usm.maine.edu

**Program Entry Outline:** See Supplement

### 98. CASCO BAY CHANGES IN EELGRASS

**Sponsor:** Maine Department of Marine Resources

**Program:** Casco Bay Estuary Project

**Website:** <http://www.cascobay.usm.maine.edu>

**Resource/Parameters:**

HABITAT/quality

**Contact:**

Karen Young, Director  
 Casco Bay Estuary project  
 University of Southern Maine  
 49 Exeter Street  
 Portland, Maine 04104  
 207/780-4820  
 kyoung@usm.maine.edu

Note: While the Casco Bay Estuary Project worked with Seth Barker of the Maine Department of Marine Resources to get the beds in Casco Bay mapped in 1993-94, the ongoing effort to create and update GIS maps of the eelgrass beds of coastal Maine is a Maine Department of Marine Resources program. The intention is to update the maps every 5 years. This ongoing program is run by Seth, who is the appropriate contact for the eelgrass bed monitoring data and information in Maine. Seth suggested that you contact him directly via e-mail at [seth.barker@maine.gov](mailto:seth.barker@maine.gov) or by phone at 207/633-9507. He said he's also in the GOM People Finder.

### 99. CASCO BAY ESTUARY PROJECT

**Sponsor:** Casco Bay Estuary Project

**Website:** <http://www.muskie.usm.maine.edu/cascobay>

**Resource/Parameters:**

WATER QUALITY/

**Contact:**

Beverly Bayley-Smith  
 bbsmith@usm.maine.edu  
 (207) 780-4820

**Goal:** Contribution of atmospheric deposition to contaminant load of Casco Bay

**Conclusions:** Atmosphere is a significant source of nitrogen and mercury to the Bay. Coastal deposition rates are higher than inland rates.

**Future:** The Maine Department of Environmental Protection will continue funding in the foreseeable future. CBEP is funding data analysis.

### 100. CASCO BAY LOBSTER TISSUE ANALYSIS

**Program:** Casco Bay Estuary Project

**Website:** <http://www.cascobay.usm.maine.edu>

**Resource/Parameters:**

BIOTA/Lobster (muscle tissue): butyltins, dioxins, furans, metals, PAHs, PCBs, pesticides

BIOTA/Lobster (tomalley): butyltins, dioxins, furans, metals, PAHs, PCBs, pesticides

CONTAMINANTS/

**Contact:**

Karen Young, Director  
 Casco Bay Estuary project  
 University of Southern Maine  
 49 Exeter Street  
 Portland, Maine 04104  
 207/780-4820  
 kyoung@usm.maine.edu

**Program Entry Outline:** See Supplement

### 101. CASCO BAY MUSSEL TISSUE ANALYSIS

**Program:** Casco Bay Estuary Project

**Website:** <http://www.cascobay.usm.maine.edu>

**Resource/Parameters:**

BIOTA/Mollusks (tissue): butyltins, dioxins, furans, metals, PAHs, PCBs, pesticides

CONTAMINANTS/

**Contact:**

Karen Young, Director  
 Casco Bay Estuary project  
 University of Southern Maine  
 49 Exeter Street  
 Portland, Maine 04104  
 207/780-4820  
 kyoung@usm.maine.edu



**Program Entry Outline:** See Supplement

### 102. CASCO BAY SEDIMENT SAMPLING

**Program:** Casco Bay Estuary Project

**Website:** <http://www.cascobay.usm.maine.edu>

**Resource/Parameters:**

SEDIMENT QUALITY/contaminants: butyltins, dioxins, furans, metals, PAHs, PCBs, pesticides

**Contact:**

Karen Young, Director  
Casco Bay Estuary project  
University of Southern Maine  
49 Exeter Street  
Portland, Maine 04104  
207/780-4820  
kyoung@usm.maine.edu

**Program Entry Outline:** See Supplement

### 103. CASCO BAY WATERBIRD SURVEY

**Sponsor:** United States Fish and Wildlife Service, Maine Department of Inland Fisheries and Wildlife

**Program:** Casco Bay Estuary Project

**Website:** <http://www.cascobay.usm.maine.edu>

**Resource/Parameters:**

BIOTA/Birds: population assessments  
HABITAT/

**Contact:**

Karen Young, Director  
Casco Bay Estuary project  
University of Southern Maine  
49 Exeter Street  
Portland, Maine 04104  
207/780-4820  
kyoung@usm.maine.edu

Note: While this survey was funded by the Casco Bay Estuary Project, it was conducted in spring/summer 2000 by the United States Fish and Wildlife Service and the Maine Department of Inland Fisheries and Wildlife. USFW GOM Project is the primary contact for detailed information. Please contact Stewart Fefer at the USFW GOM office at 207/781-8364 for the requested detailed information. His e-mail address is [stewart\\_fefer@fws.gov](mailto:stewart_fefer@fws.gov)

### 104. CASCO BAY WILDLIFE AREAS AND PROTECTED LANDS MAPPING

**Sponsor:** United States Fish and Wildlife Service

**Program:** Casco Bay Estuary Project

**Website:** <http://www.gulfofmaine.fws.gov>

<http://www.cascobay.usm.maine.edu>

**Resource/Parameters:**

BIOTA/mapping: species' ranges

HABITAT/type, protected areas

**Contact:**

Karen Young, Director  
Casco Bay Estuary project  
University of Southern Maine  
49 Exeter Street  
Portland, Maine 04104  
207/780-4820  
kyoung@usm.maine.edu

Note: With funding from the Casco Bay Project, the GOM Project has mapped Casco Bay valuable habitats. The maps and data report Identification of Important Habitats for the Lower Casco Bay Watershed can be accessed at the GOM Project website <http://gulfofmaine.fws.gov/cascobay.html>. In addition, the Casco Bay Estuary Project paid a contractor to refine the baseline GIS coverage of federal/state/town/non-profit conservation lands for 15 towns that were assessed by the USFWS GOM Project in their Identification of Important Habitats for the Lower Casco Bay Watershed. The GOM Project continues to work with local officials and land trusts to utilize these maps to protect additional land. In both cases, Stewart Fefer at the USFW GOM office is the primary contact for detailed information. He can be reached at 207/781-8364. His e-mail address is [stewart\\_fefer@fws.gov](mailto:stewart_fefer@fws.gov)

### 105. COASTAL MAINE HARLEQUIN DUCK SURVEY

**Sponsor:** Coastal Maine Biological Research Station

**Resource/Parameters:**

BIOTA/Birds: counts

**Contact:**

Glen Mittlehauser  
Coastal Maine Biological Research Station  
RR 1, Box 750  
Gouldsboro, Maine 04607  
glenm@acadia.net  
(207) 963-4130

Request for information 012703

Request for information 032803

### 106. COASTAL WATERSHED LAND-USE SURVEY

**Sponsor:** Wells National Estuarine Research Reserve

**Resource/Parameters:**

LAND USE/type, location

**Contact:**

Scott Orringer  
Wells National Research Reserve  
RR2 Box 806  
Wells, Maine 04090  
(207) 646-1555 x 112  
sorringer@wellsnerrcec.lib.me.us

Request for information 012903

Request for information 032803



### 107. DAMARISCOTTA RIVER ASSOCIATION

**Sponsor:** Damariscotta River Association

**Resource/Parameters:**

WATER QUALITY/

**Contact:**

Peter Knauss/Tom Arter  
110 Belvedere Rd.  
Box 333  
Damariscotta, Maine 04543  
(207) 563-1393  
dra@maine.edu

### 108. DEER ISLE PARTNERS IN MONITORING

**Sponsor:** Deer Isle Partners in Monitoring

**Website:** <http://www.home.midmaine.com/~waitinis/pim%20title%20page.htm>

**Resource/Parameters:**

BIOTA/Bacteria, Phytoplankton  
WATER QUALITY/fecal coliform bacteria, phytoplankton

**Contact:**

Dud Hendrick  
P.O. Box 10  
Deer Isle, Maine 04627  
(207) 348-2511  
dudhe@ctel.net

### 109. FINFISH AQUACULTURE MONITORING PROGRAM

**Sponsor:** Maine Department of Marine Resources

**Website:** <http://www.state.me.us/dmr>

**Resource/Parameters:**

BIOTA/Benthos  
WATER QUALITY/

**Contact:**

Jon Lewis  
Maine Department of Marine Resources  
McKown Point Road  
P.O. Box 8  
West Boothbay Harbor, Maine 04575  
(207) 633-9594  
jon.lewis@state.me.us  
Request for information 012903  
Request for information 032803

### 110. FRENCHMAN'S BAY CONSERVANCY WATER QUALITY MONITORING

**Sponsor:** Frenchman Bay Conservancy

**Resource/Parameters:**

WATER QUALITY/

**Contact:**

Barbara Welch

P.O. Box 606  
Ellsworth, Maine 04605  
(207) 422-2328  
fbc@acadia

Request for information 012903

Request for information 032803

### 111. FRIENDS OF CASCO BAY CITIZEN STEWARD WATER QUALITY MONITORING

**Sponsor:** Friends of Casco Bay

**Website:** <http://www.cascobay.org>

**Resource/Parameters:**

WATER QUALITY/

**Contact:**

Peter Milholland  
Friends of Casco Bay  
2 Fort Rd.  
South Portland, Maine 04106  
(207) 799-8574  
pmlholland@cascobay.org  
Request for information 012903  
Request for information 032803

### 112. FRIENDS OF MEDOMAK WATERSHED WATER QUALITY MONITORING

**Sponsor:** Friends of Medomak Watershed

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform  
NUTRIENTS/Water: chlorophyll a  
WATER QUALITY/clarity, dissolved oxygen, salinity,  
temperature, fecal coliform bacteria

**Contacts:**

Olivia Atherton  
Friends of Medomak Watershed  
961 Waldoboro Rd.  
Bremen, Maine 04551  
(207) 529-4359  
and  
Ted Wooster  
(207) 832-7764  
twooster@midcoast.com  
Request for information 012903  
Request for information 032803

### 113. GEORGES RIVER TIDEWATER ASSOCIATION

**Sponsor:** Georges River Tidewater Association

**Contact:**

George Emery  
(207) 372-8868  
Request for information 032803 (phone)



#### 114. GULF OF MAINE WATERSHED INFORMATION AND CHARACTERISTICS SYSTEM

**Sponsor:** Friends of Merrymeeting Bay

**Website:** <http://www.gm-wicss.unh.edu>

**Resource/Parameters:**

NUTRIENTS/water, snow  
WATER QUALITY/  
WEATHER/precipitation

**Contact:**

Ed Benedikt  
45 Harding Rd.  
Brunswick, Maine 04011  
(207) 442-0445

#### 115. GULF OF MAINE WATERSHED INFORMATION AND CHARACTERIZATION SYSTEM (GM-WICS) - GREAT BAY WATERSHEDS

**Sponsor:** University of New Hampshire

**Resource/Parameters:**

NUTRIENTS/  
WATER QUALITY/  
WEATHER/precipitation

#### 116. HERRICK BAY STREAM STUDY

**Sponsor:** Marine Environmental Research Institute - Coastal Monitoring Programs; Maine State Planning Office; Maine Department of Marine Resources; Clean Water/Partners in Monitoring Program

**Website:** <http://meriresearch.org/research/monitoring.html>

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform, pathogenic  
WATER QUALITY/fecal coliform bacteria, pathogenic bacteria

**Contact:**

Susan D. Shaw, Director  
MERI Center for Marine Studies  
55 Main Street  
PO Box 1652  
Blue Hill, Maine 04614  
Tel: 207-374-2135  
Email: [meri@downeast.net](mailto:meri@downeast.net)

Request for information 012903

Request for information 032803

#### 117. HORSESHOE CRAB SURVEY

**Sponsor:** Maine Department of Marine Resources

**Resource/Parameters:**

BIOTA/horseshoe crab: counts

**Contact:**

Sherry Hanson  
Department of Marine Resources

P.O. Box 8

West Boothbay, Maine 04575

(207) 633-9401

sherry.hanson@state.me.us

Request for information 012903

Request for information 032803

#### 118. JUVENILE LOBSTER MONITORING PROGRAM

**Sponsor:** The Lobster Conservancy

**Website:** <http://www.lobsters.org>

**Resource/Parameters:**

BIOTA/Benthos, Lobster, Green Crabs, Asian Shore Crabs,  
invasive species other interstitial species: counts  
WATER CONDITIONS/  
WATER QUALITY/temperature, salinity

**Contact:**

Sara Ellis  
The Lobster Conservancy  
P.O. Box 235  
Friendship, Maine 04547  
(207) 832-8224  
sellis@lobsters.org  
Request for information 012903  
Request for information 032803

#### 119. KENNEBUNK WATER QUALITY & PHYTOPLANKTON MONITORING PROGRAM

**Sponsor:** Kennebunk Conservation Commission

**Resource/Parameters:**

BIOTA/Phytoplankton  
WATER QUALITY/

**Contact:**

Chris Feurt  
Town Hall  
Kennebunk, Maine 04043  
(207) 985-4686  
cfeurt@une.edu  
osprey47@hotmail.com  
Request for information 012903  
Request for information 032803  
(cfeurt@wellsnerrcec.lib.me.us)

#### 120. LOBSTER POSTLARVAL SETTLEMENT AND JUVENILE SURVEYS

**Sponsor:** Bigelow Laboratory

**Website:** <http://www.bigelow.org>

**Resource/Parameters:**

BIOTA/Lobster, Shellfish: crab

**Contact:**

Rick Wahle  
Bigelow Laboratory





McKown Pt. Rd.  
West Boothboay Harbor, Maine 04574  
(207) 633-9659  
rwahle@bigelow.org

**Program Entry Outline:** See Supplement

#### 121. MAINE COASTAL 2000 – GULF OF MAINE ASSESSMENT

**Sponsor:** United States Environmental Protection Agency,  
Maine Department of Environmental Protection

**Website:** <http://www.epa.gov/emap/>

**Resource/Parameters:**

BIOTA/Benthos: community structure  
BIOTA/Fish: community structure, external pathology,  
tissue analysis  
NUTRIENTS/chlorophyll  
SEDIMENT QUALITY/chemistry, toxicity  
SEDIMENT QUALITY/grain size, total organic carbon  
WATER CONDITIONS/depth  
WATER QUALITY/dissolved oxygen, pH, salinity,  
temperature

**Contact:**

Jerry Pesch/Walter Galloway  
National Health and Environmental Effects Laboratory  
Atlantic Ecology Division EPA/NHEERL/ORD  
27 Tarzwell Drive  
Narragansett, Rhode Island 02882  
(401) 782-3096  
pesch.gerald@epa.gov/galloway.walt@epa.gov  
and

Lee Doggett  
Maine Department of Environmental Protection  
17 State House Station  
Augusta, Maine 04333  
(207) 287-7666

lee.doggett@state.me.us

Request for information 012903

Request for information 032803

#### 122. MAINE COASTAL SWIM BEACH MONITORING PROGRAM

**Resource/Parameters:**

enterococcus, temperature, salinity

**Contact:**

Esperanza Stancioff  
UMCE/Sea Grant  
esp@umext.maine.edu  
(207) 832-0343

Request for information 012903

Request for information 032803

#### 123. MAINE LOON SURVEY

**Organization:** Maine Audubon Society

**Website:** <http://www.maineaudubon.org>

**Resource/Parameters:**

BIOTA/Birds: counts

**Contact:**

Susan Gallo  
Maine Audubon Society  
20 Gilsland Farm Rd.  
Falmouth, Maine 04105  
(207) 781-6180 ext. 216  
sgallo@maineaudubon.org

**Program Entry Outline:** See Supplement

#### 124. MAINE PHYTOPLANKTON MONITORING PROGRAM

**Sponsor:** University of Maine Cooperative Extension; Maine  
Sea Grant Program; United States Food and Drug  
Administration; Maine Department of Marine Resources;  
National Oceanographic and Atmospheric Administration

**Website:** <http://www.seagrant.umaine.edu>

**Resource/Parameters:**

BIOTA/Phytoplankton: Alexandrium tamerense,  
Pseudonitzschia lima, Dinophysis norvegica

**Contact:**

Sarah Gladu  
Phytoplankton/Water Quality Coordinator  
University of Maine Cooperative Extension  
235 Jefferson Street  
P.O. Box 309  
Waldoboro, Maine 04572  
(207) 832-0343  
sgladu@umext.maine.edu

Request for information 012903

Promise by 033103 (Sarah Gladu)

Request for information 032803

#### 125. MAINE SHELLFISH SANITATION PROGRAM

**Sponsor:** Maine Department of Marine Resources

**Website:** <http://www.state.me.us/dmr>

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform  
WATER QUALITY/fecal coliform bacteria

**Contact:**

Amy M. Fitzpatrick  
Director, Public Health Division  
Maine Department of Marine Resources  
McKown Point Road  
P.O. Box 8  
West Boothbay Harbor, Maine 04575  
(207) 633-9554  
amy.fitzpatrick@state.me.us



Request for information 012903  
Request for information 032803

## 126. MAINE VOLUNTARY ANGLERS

**Sponsor:** Maine Department of Inland Fish and Wildlife

**Resource/Parameters:**

BIOTA/Fish

**Contact:**

Forrest Bonney  
Dept. Inland Fisheries & Wildlife  
689 Farmington Rd  
Strong, Maine 04983  
(207) 778-3322  
forrest.bonney@state.me.us

**Program Entry Outline:** See Supplement

## 127. MARINE DEBRIS CLEAN UP & DATA COLLECTION

**Sponsor:** Marine Environmental Research Institute - Coastal Monitoring Programs; Center for Marine Conservation - National Marine Debris Monitoring Program

**Website:** <http://meriresearch.org/research/monitoring.html>

**Resource/Parameters:**

DEBRIS/identification, counting, categorization

**Contact:**

Susan D. Shaw, Director  
MERI Center for Marine Studies  
55 Main Street  
PO Box 1652  
Blue Hill, Maine 04614  
Tel: 207-374-2135  
Email: [meri@downeast.net](mailto:meri@downeast.net)

Request for information 012903

Request for information 032803

## 128. MARINE ENVIRONMENTAL MONITORING

**Sponsor:** Maine Department of Marine Resources, Maine Department of Environmental Protection

**Website:** <http://www.state.me.us/dmr>

**Resource/Parameters:**

BIOTA/Mollusks (blue mussel/soft shell clam tissue):  
contaminants  
BIOTA/Birds (cormorant tissue): contaminants  
BIOTA/Lobster tissue: contaminants  
HABITAT/  
NUTRIENTS/  
SEDIMENT QUALITY/Contaminants

**Contact:**

John Sowles  
Maine Department of Marine Resources  
McKown Point Road  
P.O. Box 8

West Boothbay Harbor, Maine 04575

(207) 633-9518

john.sowles@state.me.us

Request for information 012903

Request for information 032803

## 129. MARINE INVASIVE SPECIES MONITORING

**Sponsor:** Quoddy Spill Prevention Group

**Resource/Parameters:**

BIOTA/Invasive Species

DEBRIS/oil spills

**Contact:**

Steve Crawford  
130 Water St.  
Eastport, Maine 04631  
(207) 853-0982

## 130. MARSHWOOD HIGH SCHOOL WATER QUALITY MONITORS

**Sponsor:** SAD 35 - Marshwood High School

**Website:** <http://www.fc.mhs.sad35.k12.me.us/~jtugel/home.htm>

**Resource/Parameters:**

BIOTA/Bacteria

WATER QUALITY/

## 131. MDI WATER QUALITY MONITORING

**Sponsor:** Mount Desert Island Water Quality Coalition

**Website:** <http://www.mdiwqc.org>

**Resource/Parameters:**

BIOTA/Phytoplankton

HABITAT/intertidal, shoreline, watershed

WATER QUALITY/

**Contact:**

Jane Disney  
jane@mdiwqc.org

Request for information 012903

Request for information 032803

## 132. MERCURY DEPOSITION MONITORING PROGRAM

**Sponsor:** Maine Department of Environmental Protection;

University of Southern Maine; United States

Environmental Protection Agency; National Park Service – Air Resources Division

**Website:** <http://www.state.me.us/dep/home.htm>

**Resource/Parameters:**

ATMOSPHERIC DEPOSITION/wet deposition

CONTAMINANTS/ total mercury, methyl mercury



**Contact:**

Andrew Johnson  
 Maine Department of Environmental Protection  
 Bureau of Air Quality  
 17 State House Station  
 Augusta, Maine 04333-0017  
 (207) 287-2437  
 andy.johnson@state.me.us  
 Request for information 012903  
 Request for information 032803

**133. MIGRATORY FISH AND FISH LARVAL SURVEY**

**Sponsor:** Wells National Estuarine Research Reserve

**Website:** <http://www.wellsreserve.org>

**Resource/Parameters:**

BIOTA/Fish: population assessment

**Contact:**

Scott Orringer  
 Wells National Research Reserve  
 RR2 Box 806  
 Wells, Maine 04090  
 (207) 646-1555 x 112  
 sorringer@wellsnerrcec.lib.me.us  
 Request for information 012903  
 Request for information 032803

**134. MOONSNAIL DISTRIBUTION MONITORING**

**Sponsor:** University of Maine at Machias

**Resource/Parameters:**

BIOTA/Mollusks: moonsnail distribution, frequency, size

**Contact:**

Gayle Krauss  
 University of Maine Machias  
 15 Science Bldg.  
 Machias, Maine 04654  
 (207) 255-1261  
 gkraus@maine.edu  
 and  
 Brian Beal  
 Associate Professor of Marine Ecology  
 2 Science Building  
 (207) 255-1314  
 bbeal@maine.edu  
 Request for information 012903  
 Request for information 032803

**135. NESTING SEABIRD SURVEY**

**Sponsor:** The Nature Conservancy – Maine Chapter

**Website:** <http://www.nature.org>

**Resource/Parameters:**

BIOTA/Birds: counts

**Contact:**

Nancy Sferra  
 Dir. Science and Stewardship  
 14 Maine St.  
 Brunswick, Maine 04011  
 (207) 729-5181  
 nsferra@tnc.org  
 Request for information 012903  
 Busy response 022403 (Nancy Sferra)  
 Request for information 032803

**136. OZONE MONITORING PROGRAM**

**Sponsor:** Maine Department of Environmental Protection;  
 United States Environmental Protection Agency; National  
 Park Service – Air Resources Division

**Website:** <http://www.state.me.us/dep/home.htm>

**Resource/Parameters:**

AIR QUALITY/ozone

**Contact:**

Jeff Emery  
 Maine Department of Environmental Protection  
 Bureau of Air Quality  
 106 Hogan Road  
 Bangor, Maine 04401  
 (207) 941-4583  
 jeff.emery@state.me.us  
 Request for information 012703  
 Request for information 032803

**137. PARALYTIC SHELLFISH POISONING (PSP) MONITORING PROGRAM**

**Sponsor:** Maine Department of Marine Resources

**Website:** <http://www.state.me.us/dmr>

**Resource/Parameters:**

BIOTA/Mollusk (tissue): saxatoin, other toxins  
 BIOTA/(Other) Shellfish: saxatoin, other toxins

**Contact:**

John Hurst  
 Maine Department of Marine Resources  
 McKown Point Road  
 P.O. Box 8  
 Boothbay Harbor, Maine 04575  
 (207) 633-9570  
 john.hurst@state.me.us  
 Request for information 012903  
 Request for information 032803

**138. PENOBSCOT BAY WATER QUALITY MONITORING**

**Sponsor:** Maine Maritime Academy, Corning School of  
 Ocean Studies

**Program:** Ocean Studies Penobscot Estuary



**Website:** <http://www.supersloop.mma.edu/os/>

**Resource/Parameters:**

NUTRIENTS/N, P, Si  
WATER QUALITY/ dissolved oxygen, pH, salinity,  
temperature, turbidity

**Contact:**

Barry Kilch  
Head, Corning School of Ocean Studies  
103 Andrews Hall  
Castine, Maine 04420-3200  
(207) 326-2395  
bkilch@mma.edu  
User unknown 012903  
Request for information 012903 (Dr. Joceline Boucher  
jbouch@mms.edu)  
Request for information 032803

### 139. PHYTOPLANKTON STUDIES

**Sponsor:** Marine Environmental Research Institute - Coastal  
Monitoring Programs; Maine Department of Marine  
Resources; University of Maine Cooperative Extension –  
Phytoplankton Monitoring Program

**Website:** <http://meriresearch.org/research/monitoring.html>

**Resource/Parameters:**

BIOTA/Phytoplankton: Alexandrium spp., Dinophysis  
spp., Pseudo-Nitzschia spp., Prorocentrum spp.,  
Navicula sp., Pleurosigma sp., and Nitzschia sp.

**Contact:**

Susan D. Shaw, Director  
MERI Center for Marine Studies  
55 Main Street  
PO Box 1652  
Blue Hill, Maine 04614  
Tel: 207-374-2135  
Email: [meri@downeast.net](mailto:meri@downeast.net)  
Request for information 012903  
Request for information 032803

### 140. PIPING PLOVERS AND LEAST TERNS

**Sponsor:** Maine Audubon Society

**Website:** <http://www.maineaudubon.org>

**Resource/Parameters:**

BIOTA/Birds: counts

**Contact:**

Jody Jones  
20 Gilslan Farm Rd.  
Falmouth, Maine 04105  
(207) 781-2330  
jjones@maineaudubon.org  
Request for information 012903  
Request for information 032803

### 141. PLANT VOLUNTEER CONSERVATION PROGRAM

**Sponsor:** Maine Natural Areas Program

**Website:** <http://www.state.me.us/doc/nrimc/mnap/home/htm>

**Resource/Parameters:**

BIOTA/flora: rare plant populations

**Contact:**

Don Cameron, Botanist  
Maine Natural Areas Program  
State House Station # 93  
Augusta, Maine 04333-0093  
(207) 287-8041  
don.s.cameron@state.me.us  
Request for information 012903  
Request for information 032803

### 142. RARE FLORA

**Sponsor:** The Nature Conservancy – Maine Chapter

**Website:** <http://www.nature.org>

**Resource/Parameters:**

BIOTA/flora: rare species populations

**Contact:**

Nancy Sferra  
Dir. Science and Stewardship  
14 Maine St.  
Brunswick, Maine 04011  
(207) 729-5181  
nsferra@tnc.org  
Request for information 012903  
Busy response 022403 (Nancy Sferra)  
Request for information 032803

### 143. SALT-MARSH RESTORATION LONG-TERM MONITORING

**Sponsor:** Wells National Estuarine Research Reserve

**Website:** <http://www.wellsreserve.org>

**Resource/Parameters:**

BIOTA/flora: marsh plant communities

**Contact:**

Scott Orringer  
Wells National Research Reserve  
RR2 Box 806  
Wells, Maine 04090  
(207) 646-1555 x 112  
sorringer@wellsnerrcec.lib.me.us  
Request for information 012903  
Request for information 032803



#### 144. SEA-LEVEL, TIDES, AND CURRENT MONITORING STATIONS

**Sponsor:** National Oceanic and Atmospheric Administration

**Website:** [http://www.co-ops.nos.noaa.gov/data\\_res.html](http://www.co-ops.nos.noaa.gov/data_res.html)

**Resource/Parameters:**  
WATER CONDITIONS/  
WEATHER/

#### 145. SCARBOROUGH COASTAL POLLUTION COMMITTEE

**Sponsor:** Scarborough Coastal Pollution Committee

#### 146. SHEAD HIGH SCHOOL WATER QUALITY MONITORING

**Sponsor:** School Union 104

**Website:** <http://www.shead.org/marineresources>

**Resource/Parameters:**  
BIOTA/Phytoplankton  
WATER QUALITY/

**Contact:**

Stephanie Allard  
Shed High School  
Eastport, Maine 04631  
(207) 853-4800  
sallard@shead.org

Request for information 012903

Request for information 032803

#### 147. SHELLFISH SANITATION WATER QUALITY MONITORING

**Sponsor:** Maine Department of Marine Resources

**Website:** <http://www.state.me.us/dmr>

**Resource/Parameters:**  
BIOTA/Bacteria: fecal coliform  
WATER QUALITY/salinity, temperature, fecal coliform  
bacteria  
WEATHER/precipitation

**Contact:**

Sherry Hanson  
Dept. Marine Resources  
P.O. Box 8  
West Boothbay, Maine 04575  
(207) 633-9401  
sherry.hanson@state.me.us

Request for information 012903

Request for information 032803

#### 148. SHORE STEWARDS CLEAN WATER PARTNERS IN MONITORING

**Website:** <http://www.ume.maine.edu/ssteward/>

**Resource/Parameters:**  
WATER QUALITY/

**Contact:**

Sarah Gladu  
Knox-Lincoln Co. Cooperative Extension  
235 Jefferson St.  
Waldoboro, Maine 04572  
(800) 244-2104  
sgladu@umext.maine.edu  
and  
Esperanza Stancioff  
Knox-Lincoln Co. Cooperative Extension  
235 Jefferson St.  
Waldoboro, Maine 04572  
(800) 244-2104  
esp@umext.maine.edu

**Program Entry Outline:** See Supplement

#### 149. SURFACE WATER AMBIENT TOXICS MONITORING PROGRAM (SWAT)

**Sponsor:** Maine Department of Environmental Protection

**Website:** <http://www.state.me.us/dep/blwq/monitoring.htm>

**Resource/Parameters:**  
BIOTA/Shellfish  
CONTAMINANTS/  
WATER QUALITY/Contaminants  
WATER QUALITY/

**Contact:**

Barry Mower  
Maine Department of Environmental Protection  
17 State House Station  
Augusta, Maine 04333  
(207) 287-7777

barry.f.mower@state.me.us

Request for information 012903

Request for information 032803

#### 150. SYSTEM-WIDE MONITORING PROGRAM (SWMP)

**Sponsor:** Wells National Estuarine Research Reserve

**Website:** <http://www.wellsreserve.org>

**Resource/Parameters:**  
WATER QUALITY/

**Contact:**

Scott Orringer  
Wells National Research Reserve  
RR2 Box 806  
Wells, Maine 04090  
(207) 646-1555 x 112  
sorringer@wellsnerrcec.lib.me.us



Request for information 012903  
Request for information 032803

#### 151. TOXIC CHEMICALS IN GULF OF MAINE SEALS

**Sponsor:** Marine Environmental Research Institute (MERI)

**Website:** <http://www.meriresearch.org>

**Resource/Parameters:**

BIOTA/Marine Mammals/harbor seals and gray seals: (seal blubber) contaminants: PBDEs-brominated flame retardants, organochloride pesticides, PCBs, PCDD/Fs; (seal liver) mercury, (seal hair) metals, Pb; (seal plasma) TEQ dioxin assay, thyroid hormones, retinol (vitamin A), sex hormones, cortisol; (seal blood) immune (lymphocyte) responses to mitogens, NK cell cytotoxicity

**Contact:**

Susan D. Shaw, Director  
MERI Center for Marine Sciences  
Maine Street  
P.O. Box 1652  
Blue Hill, Maine 04614  
(207) 359-2135  
sshaw@downeast.net

Request for information 012903  
Request for information 032803

#### 152. WADING BIRD SURVEY

**Sponsor:** Wells National Estuarine Research Reserve

**Website:** <http://www.wellsreserve.org>

**Resource/Parameters:**

BIOTA/Birds: counts

**Contact:**

Scott Orringer  
Wells National Research Reserve  
RR2 Box 806  
Wells, Maine 04090  
(207) 646-1555 x 112  
sorringer@wellsnerrcec.lib.me.us

Request for information 012903  
Request for information 032803

#### 153. WATERSHED EVALUATION TEAM (WET)

**Sponsor:** Wells National Estuarine Research Reserve

**Website:** <http://www.wellsreserve.org>

**Resource/Parameters:**

WATER QUALITY/

**Contact:**

Scott Orringer  
Wells National Research Reserve  
RR2 Box 806  
Wells, Maine 04090  
(207) 646-1555 x 112

sorringer@wellsnerrcec.lib.me.us

Request for information 012903  
Request for information 032803

#### 154. WEATHER AND SEA TEMPERATURE MONITORING

**Sponsor:** Maine Department of Marine Resources

**Website:** <http://www.state.me.us/dmr>

**Resource/Parameters:**

WATER CONDITIONS/  
WATER QUALITY/temperature  
WEATHER/

**Contact:**

Mark Lazzari  
Department Marine Resources  
P. O. Box 8  
West Boothbay, Maine 04575  
(207) 633-9569  
mark.lazzari@state.me.us

**Program Entry Outline:** See Supplement

#### 155. WINTERING PURPLE SANDPIPER MONITORING PROJECT

**Sponsor:** Coastal Maine Biological Research Station

**Resource/Parameters:**

BIOTA/Birds: counts

**Contact:**

Glen Mittlehauser  
Coastal Maine Biological Research Station  
RR 1, Box 750  
Gouldsboro, Maine 04607  
(207) 963-4130  
glenm@acadia.net

Request for information 012703  
Request for information 032803



## United States: Massachusetts Programs

### 156. ADOPT-A-TIDE POOL

**Sponsor:** Massachusetts Audubon Society

**Resource/Parameters:**

BIOTA/microalgae, macroinvertebrates  
WATER QUALITY/salinity, temperature

**Contact:**

Robert Buchsbaum  
Massachusetts Audubon Society  
346 Grapevine Road  
Wenham, Massachusetts 01984  
(978) 927-1122  
rbuchsbaum@massaudubon.org  
Request for information 012903  
Request for information 032703

### 157. AMPHIBIANS AND REPTILES AT CAPE COD NATIONAL SEASHORE

### 158. BAYWATCHERS

**Sponsor:** The Coalition for Buzzards Bay

**Program:** Buzzards Bay Citizen's Water Quality Monitoring Program

**Website:** <http://www.savebuzzardsbay.org/>

**Resource/Parameters:**

NUTRIENTS/nitrogen, phosphorous, carbon/nitrogen ratios, pheophytin, chlorophyll a  
WATER QUALITY/dissolved oxygen, temperature, salinity, clarity

**Contact:**

Tony Williams  
17 Hamilton Street  
Waterfront Historic District  
New Bedford, Massachusetts 02740  
(508)999-6363  
[cbb@savebuzzardsbay.org](mailto:cbb@savebuzzardsbay.org)

Request for information 013003

Dialog with Tony Williams regarding redundancy of effort with MA CZM/Christian Krahforst; CK will forward entries for MA programs

### 159. BUZZARDS BAY PROJECT

**Sponsor:** Commonwealth of Massachusetts, United States Environmental Protection Agency

**Program:** National Estuary Program

**Website:** <http://www.buzzardsbay.org/>

**Contact:**

Dr. Joe Costa  
Buzzards Bay Project National Estuary Program

2870 Cranberry Highway  
East Wareham, MA 02538  
(508) 291-3625 x19

### 160. BUZZARDS BAY TERN RESTORATION PROJECT

### 161. CAPE COD BAY MARINE MONITORING

**Sponsor:** Center for Coastal Studies

**Website:** <http://www.coastalstudies.org>

**Resource/Parameters:**

BIOTA/Phytoplankton  
BIOTA/Marine Mammals  
BIOTA/Zooplankton  
NUTRIENTS/nitrogen isotopic ratio  
WATER CONDITIONS/  
WATER QUALITY/light penetration, salinity, temperature  
WEATHER/

**Contact:**

Charles Mayo  
Center for Coastal Studies  
P.O. Box 1036  
Provincetown, Massachusetts 02657  
(508) 487-3622  
stormym33@pobox.com  
Request for information 032703

### 162. CIRCULATION AND CONTAMINANT TRANSPORT IN MASSACHUSETTS COASTAL WATERS

**Sponsor:** United States Geological Survey

**Program:** Coastal and Marine Geology Program

**Website:** <http://www.woodshole.er.usgs.gov/project-pages/bostonharbor>

**Resource/Parameters:**

BIOTA/Bacteria: Clostridium perfringens  
SEDIMENT QUALITY/Contaminants: metals (Ag, Al, Ba, Cr, Cu, Fe, Hg, Ni, Pb, V, Zn) SEDIMENT QUALITY/organic carbon, texture, Clostridium perfringens

**Contact:**

Michael H. Bothner  
Woods Hole Field Center  
United States Geological Survey  
384 Woods Hole Road  
Woods Hole, Massachusetts 02543-1598  
(508) 457-2240  
mbothner@usgs.gov  
Request for information 032703



### 163. CLEAN BEACHES AND STREAMS PROGRAM

**Sponsor:** Salem Sound 2000

**Website:** <http://www.salemsound.org>

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform, enterococci  
WATER QUALITY/fecal coliform bacteria, enterococci

**Contact:**

Karen Young, Program Director  
Salem Sound 2000  
201 Washington Street, Suite 9  
Salem, Massachusetts 01970  
(978) 741-7900  
karen.young@salemsound.org  
Request for information 020503  
Request for information 032703

### 164. COASTAL WATERBIRD PROGRAM

**Sponsor:** Massachusetts Audubon Society

**Website:** <http://www.massaudubon.org>

**Resource/Parameters:**

BIOTA/Birds: counts, reproductive success

**Contact:**

Scott Hecker, Director  
Coastal Waterbird Program  
Massachusetts Audubon Society

### 165. GLOUCESTER 301(H) MONITORING PROGRAM

**Resource/Parameters:**

BIOTA/Benthos  
NUTRIENTS/chlorophyll  
SEDIMENT QUALITY/contaminants: priority  
pollutants, pesticides, oil/grease  
SEDIMENT QUALITY/grain size  
WATER QUALITY/dissolved oxygen, total suspended  
solids

**Contact:**

Allan D. Michael & Associates  
5 Field Road  
Magnolia, Massachusetts 01930  
(978) 525-2195  
michael@cove.com  
Request for information 013103  
Request for information 032703

### 166. LOCAL AND REGIONAL BEACH MONITORING

**Sponsor:** Local Boards of Health, Metropolitan District  
Commission

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform, E.coli, enterococci  
WATER QUALITY/fecal coliform bacteria, E. coli,  
enterococci

**Contact:**

Christian Krahforst  
Massachusetts CZM Marine Monitoring and Research  
Program  
251 Causeway Street, Suite 900  
Boston, Massachusetts 02114  
(617) 626-1216  
christian.krahfrost@state.ma.us  
Request for information 013103  
Request for information 032703

### 167. LOCAL WATER QUALITY MONITORING INITIATIVES, CAPE COD

**Sponsor:** Town Governments on Cape Cod

**Website:** <http://www.capecod.net/waquoit>

**Resource/Parameters:**

BIOTA/  
WATER QUALITY/

**Contact:**

Kimberly Damon-Randall  
Citizen Water Quality Monitoring Coordinator  
Waquoit Bay National Estuarine Research Reserve  
P.O. Box 3092  
Waquoit, Massachusetts 02536  
(508) 457-0495 ex125  
kdrandall@onemain.com

### 168. MASSACHUSETTS ECOSYSTEM ASSESSMENT PROGRAM, ESTUARIES

**Sponsor:** Environmental Protection Agency Coastal 2000,  
Massachusetts Coastal Zone Management Program

**Website:** <http://www.state.ma.us/czm/coastal2k.htm>

**Resource/Parameters:**

BIOTA/Benthos: community structure  
BIOTA/Fish: community composition, pathology,  
parasites, inorganic and organic contaminants  
BIOTA/flora: submerged aquatic vegetation, macroalgae  
NUTRIENTS/chlorophyll a, phaeopigment, dissolved  
inorganic nutrients  
SEDIMENT QUALITY/Contaminants: organic, metals  
(Cd, Cu, Fe, Ni, Pb, Ni)  
SEDIMENT QUALITY/grain size, total organic carbon,  
amphipod bioassay  
WATER CONDITIONS/tidal stage  
WATER QUALITY/clarity, conductivity, fluorescence,  
light attenuation, oxygen, pH, temperature, total  
suspended matter, particulate organic nitrogen and  
carbon  
WEATHER/

**Contact:**

Christian Krahforst  
Massachusetts CZM Marine Monitoring and Research  
Program





251 Causeway Street, Suite 900  
 Boston, Massachusetts 02114  
 (617) 626-1216  
 christian.krahfrost@state.ma.us  
 Request for information 013103  
 Request for information 032703

#### 169. MASSACHUSETTS SHELLFISH SANITATION PROGRAM

**Sponsor:** Massachusetts Department of Fisheries, Wildlife, and Environmental Law Enforcement; Division of Marine Fisheries

**Website:** <http://www.state.ma.us/dfwele/dmf>

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform  
 BIOTA/Phytoplankton  
 CONTAMINANTS/metals  
 WATER QUALITY/fecal coliform bacteria, marine biotoxins, metals

**Contact:**

J. Michael Hickey  
 Division of Marine Sciences  
 50-A Portside Drive  
 Pocasset, Massachusetts 02559  
 (508) 563-1779  
 michael.hickey@state.ma.us  
 Request for information 013103  
 Request for information 032703

#### 170. MONITORING ALEWIFE RUNS IN NORTHEASTERN MASSACHUSETTS

**Sponsor:** Massachusetts Audubon Society; Parker River Clean Water Association; Ipswich River Watershed Association; Eight Towns and the Bay Committee

**Website:** <http://www.massaudubon.org>

**Resource/Parameters:**

BIOTA/Fish: population monitoring of migrating alewives

**Contact:**

Tim Purinton  
 Massachusetts Audubon Society  
 346 Grapevine Road  
 Wenham, Massachusetts 01984  
 (978) 927-1122  
 tpurinton@massaudubon.org

**Program Entry Outline:** See Supplement

#### 171. OUTFALL AND HARBOR MONITORING PROGRAM

**Sponsor:** Massachusetts Water Resources Authority

**Resource/Parameters:**

BIOTA/Benthos

BIOTA/Phytoplankton, Zooplankton, Bacteria, viruses  
 BIOTA/Fish (flounder tissue): metals, organic contaminants

BIOTA/Lobster (tissue): metals, organic contaminants

BIOTA/Mollusk (mussel tissue): metals, organic contaminants

CONTAMINANTS/effluent: several 100, PCBs, PAHs,  
 NUTRIENTS/chlorophyll

SEDIMENT QUALITY/

WATER QUALITY/dissolved oxygen, salinity, temperature

**Contact:**

Andrea Rex  
 Massachusetts Water Resources Authority  
 Charleton Navy Yard  
 100 First Avenue  
 Boston, Massachusetts 02129  
 (617) 788-4700  
 andrea.rex@mwra.state.ma.us  
 Request for information 013103  
 Reply with promise 013103 and link (<http://www.mwra.state.ma.us/harbor/enquad/pdf/ms-044.pdf>)

#### 172. SALT MARSH MONITORING

**Sponsor:** Massachusetts Audubon Society

**Website:** <http://www.massaudubon.org>

**Resource/Parameters:**

BIOTA/flora: salt marsh vegetation surveys

**Contact:**

Robert Buchsbaum  
 Massachusetts Audubon Society  
 346 Grapevine Road  
 Wenham, Massachusetts 01984  
 (978) 927-1122  
 rbuchsbaum@massaudubon.org  
 Request for information 012903  
 Request for information 032703

#### 173. SHELLFISH CLEAN WATERS INITIATIVE

**Sponsor:** Massachusetts Office of Coastal Zone Management

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform  
 WATER QUALITY/fecal coliform bacteria

**Contact:**

Paul Somerville, Program Coordinator  
 Environmental Office of Environmental Affairs/CZM  
 251 Causeway Street, Suite 900  
 Boston, Massachusetts 02114  
 (617) 626-1203  
 paul.somerville@state.ma.us  
 Request for information 020103  
 Request for information 032703



#### 174. SMALL MAMMAL MONITORING AT CAPE COD NATIONAL SEASHORE

#### 175. WETLAND ASSESSMENT PROGRAM

**Sponsor:** Massachusetts Coastal Zone Management Program

**Website:** <http://www.state.ma.us/czm/wastart.htm>

**Resource/Parameters:**

BIOTA/Birds: counts  
 BIOTA/Fish, Shellfish (shrimp, crabs): surveys  
 BIOTA/flora: wetland vegetation  
 BIOTA/Invertebrates: macroinvertebrates

**Contact:**

Bruce K. Carlisle  
 Coastal Wetlands and NPS Coordinator  
 Massachusetts Coastal Zone Management  
 251 Causeway Street, Suite 900  
 Boston, Massachusetts 02114  
 (617) 626-1200  
 bruce.carlisle@state.ma.us  
 Request for information 020103  
 Request for information 032703

### United States: New Hampshire Programs

#### 176. NEW HAMPSHIRE ANNUAL EELGRASS DISTRIBUTION

**Sponsor:** Jackson Estuarine Laboratory/NHEP

**Resource/Parameters:**

BIOTA/eelgrass survey

**Contact:**

Fred Short  
 University of New Hampshire  
 fred.short@uhn.edu

**Program Entry Outline:** See Supplement

#### 177. ANNUAL WATERFOWL AERIAL SURVEY

**Sponsor:** New Hampshire Fish and Game Department

**Program:** Annual Waterfowl Aerial Survey

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Birds: species, abundance

**Contact:**

Ed Robinson  
 New Hampshire Fish & Game  
 (603) 271-2461  
 erobinson@wildlife.state.nh.us  
 Request for information 020103  
 Request for information 032503  
 Request for information 080403

#### 178. ATLANTIC SALMON RESTORATION PROGRAM

**Sponsor:** New Hampshire Fish and Game Department

**Program:** Anadromous Fish Investigations (F-61R Reporting)

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Fish: abundance

**Contact:**

Brian Smith  
 New Hampshire Fish & Game  
 Marine Fisheries Division  
 (603) 868-1095  
 bmsmith@starband.net  
 Request for information 020103  
 Contact for information (from B. Smith): Cheri Patterson  
 (cpatterson@starband.net) 022103  
 Forward Request for information (from B. Smith) to C.  
 Patterson 022103  
 Request for information 032503  
 Request for information 080403

#### 179. BACTERIA MONITORING PROGRAM

**Sponsor:** New Hampshire Department of Environmental Services

**Program:** National Coastal Assessment

**Website:** <http://www.des.state.nh.us>

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

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform, E. coli, enterococci, C. perfringens

**Contact:**

Steve Jones  
 UNH Jackson Estuarine  
 (603) 862-2175  
 shj@cisunix.unh.edu  
 Request for information 020103  
 Request for information 032503  
 Request for information 080403

#### 180. BEACH PROGRAM

**Sponsor:** New Hampshire Department of Environmental Services

**Program:** Beach Program

**Website:** <http://www.des.state.nh.us>

<http://www.des.state.nh.us/factsheets/bb/bb->

**Resource/Parameters:**

BIOTA/Bacteria: enterococci

**Contact:**

Jody Connor  
 DES Watershed Management Bureau  
 6 Hazen Drive  
 Concord, New Hampshire 03301





(603) 271-3414  
 jconnor@des.state.nh.us  
 Request for information 020103  
 Request for information 032503  
 Request for information 080403

#### 181. COASTAL NETTERS LOGBOOK PROGRAM

**Sponsor:** New Hampshire Fish and Game Department  
**Program:** Anadromous Fish Investigations (F-61R Reporting)

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Fish

**Contact:**

Brian Smith  
 New Hampshire Fish & Game  
 Marine Fisheries Division  
 (603) 868-1095  
 bmsmith@starband.net  
 Request for information 020103  
 Contact for information (from B. Smith): Cheri Patterson  
 (cpatterson@starband.net) 022103  
 Forward Request for information (from B. Smith) to C.  
 Patterson 022103  
 Request for information 032503  
 Request for information 080403

#### 182. COASTAL SHAD RESTORATION PROGRAM

**Sponsor:** New Hampshire Fish and Game Department  
**Program:** Anadromous Fish Investigations (F-61R Reporting)

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Fish: counts, sex, size/age, distribution

**Contact:**

Brian Smith  
 New Hampshire Fish & Game  
 Marine Fisheries Division  
 (603) 868-1095  
 bmsmith@starband.net  
 Request for information 020103  
 Contact for information (from B. Smith): Cheri Patterson  
 (cpatterson@starband.net) 022103  
 Forward Request for information (from B. Smith) to C.  
 Patterson 022103  
 Request for information 032503  
 Request for information 080403

#### 183. COMMERCIAL FISHERY LANDING MONITORING PROGRAM

**Sponsor:** National Oceanic and Atmospheric Administration

**Program:** National Marine Fisheries Service

**Website:** <http://www.st.nmfs.gov/commercial/index.htm>  
<http://www.noaa.gov>

**Resource/Parameters:**

BIOTA/Fish: species, counts

BIOTA/Invertebrates: species, counts

**Contact:**

NMFS  
 (301) 713-2328  
 st1comm@http://www.st.nmfs.gov  
 Request for information 032503  
 Request for information 080403

#### 184. CRUSTACEAN MONITORING PROGRAM

**Sponsor:** Seabrook Station

**Program:** Seabrook Station Environmental Monitoring Program

**Website:** <http://www.seabrookstation.com>

**Resource/Parameters:**

BIOTA/Lobster: abundance

BIOTA/Shellfish (jonah crab, rock crab) abundance

**Contact:**

Ron Sher  
 Seabrook Station  
 (603) 773-7729  
 sherra@naesco.com  
 Request for information 020103  
 Request for information 032503  
 Request for information 080403

#### 185. DATA SONDE PROGRAM

**Sponsor:** Great Bay National Estuarine Research Reserve

**Program:** System Wide Monitoring Program

**Website:** <http://www.greatbay.org>  
<http://www.cdm0.baruch.sc.edu>

**Resource/Parameters:**

WATER CONDITIONS/water level

WATER QUALITY/salinity, conductivity, temperature, pH, turbidity, dissolved oxygen

**Contact:**

John Pennock  
 University of New Hampshire Jackson Estuarine  
 (603) 862-2921  
 jonathan.pennock@unh.edu  
 Request for information 020103  
 Request for information 032503  
 Request for information 080403



#### 186. ENHANCED AMBIENT RIVERS MONITORING PROGRAM (E-ARMP)

**Sponsor:** New Hampshire Department of Environmental Services

**Program:** Ambient Rivers Monitoring Program

**Website:** <http://www.des.state.nh.us>

**Resource/Parameters:**

BIOTA/Bacteria: E. coli

NUTRIENTS/total Kjeldahl Nitrogen, ammonia, sum of nitrate and nitrite, total phosphorous, chlorophyll a

WATER QUALITY/dissolved oxygen, temperature, conductivity, pH, turbidity, BOD

**Contact:**

Natalie Landry

DES Watershed Management

(603) 430-0877

nlandry@des.state.nh.us

Request for information 020103

Request for information 032503

Request for information 080403

#### 187. ESTUARINE JUVENILE FINFISH SEINE SURVEYS

**Sponsor:** New Hampshire Fish and Game Department

**Program:** ASMFC-Managed Species Monitoring Programs

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Fish: abundance

BIOTA/Shellfish: green crab abundance

**Contact:**

Brian Smith

New Hampshire Fish & Game

Marine Fisheries Division

(603) 868-1095

bmsmith@starband.net

Request for information 020103

Contact for information (from B. Smith): Doug Grout  
(dgrout@starband.net) 022103

Forward Request for information (from B. Smith) to D.  
Grout 022103

Request for information 032503

Request for information 080403

#### 188. FINFISH MONITORING PROGRAM

**Sponsor:** Seabrook Station

**Program:** Seabrook Station Environmental Monitoring Program

**Website:** <http://www.seabrookstation.com>

**Resource/Parameters:**

BIOTA/Fish (demersal and estuarine): ichthyoplankton, species

**Contact:**

Ron Sher

Seabrook Station

(603) 773-7729

sherra@naesco.com

Request for information 020103

Request for information 032503

Request for information 080403

#### 189. NEW HAMPSHIRE GULFWATCH PROGRAM

**Sponsor:** New Hampshire Department of Environmental Services

**Program:** Gulfwatch Program

**Website:** <http://www.des.state.nh.us>

**Resource/Parameters:**

BIOTA/Bacteria, Mollusk (mussel tissue): metals, organics

CONTAMINANTS/inorganics, organics

WATER QUALITY/

**Contact:**

Natalie Landry

DES Watershed Management

(603) 430-0877

nlandry@des.state.nh.us

Request for information 020103

Request for information 032503

Request for information 080403

#### 190. HABITAT INDICATORS MONITORING PROGRAM

**Sponsor:** New Hampshire Department of Environmental Services

**Program:** National Coastal Assessment

**Website:** <http://www.des.state.nh.us>

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

**Resource/Parameters:**

BIOTA/SAV, macroalgae

HABITAT/type

**Contact:**

Steve Jones

University of New Hampshire

Jackson Estuarine Laboratory

(603) 862-2175

shj@cisunix.unh.edu

Request for information 020103

Request for information 032503

Request for information 080403

#### 191. HARMFUL ALGAL BLOOM MONITORING PROGRAM

**Sponsor:** University of New Hampshire Cooperative Extension; Sea Grant Program



**Program:** Great Bay Coast Watch Water Quality Monitoring Program

**Website:** <http://www.gbcw.unh.edu>

**Resource/Parameters:**

BIOTA/Phytoplakton: species  
WATER QUALITY/clarity, temperature, salinity, dissolved oxygen

**Contact:**

Ann Reid, Watch Coordinator  
Sea Grant, Kingman Farm/University of New Hampshire  
Durham, New Hampshire 03824-3512  
Great Bay Coast Watch  
(603) 749-1565  
ann.reid@unh.edu

Request for information 020103

Request for information 032503

Request for information 080403

### 192. HORSESHOE CRAB SURVEYS

**Sponsor:** New Hampshire Fish and Game Department

**Program:** ASMFC-Managed Species Monitoring Programs

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Horseshoe Crab: abundance, size of mating pairs

**Contact:**

Brian Smith  
New Hampshire Fish & Game  
Marine Fisheries Division  
(603) 868-1095  
bmsmith@starband.net

Request for information 020103

Contact for information (from B. Smith): Clare Mcbane  
(cmcbane@starband.net) 022103

Forward Request for information (from B. Smith) to C.  
Mcbane 022103

Request for information 032503

Request for information 080403

### 193. INTERIM OFFSHORE MONITORING PROGRAM

**Sponsor:** United States Department of the Navy

**Program:** Offshore Monitoring Program

**Website:** <http://www.navfac.navy.mil>

**Resource/Parameters:**

BIOTA/Lobster: metals, PAHs, PCBs, dioxin, pesticides  
BIOTA/Mollusk (mussel tissue): metals, PAHs, PCBs,  
dioxin, pesticides  
SEDIMENT QUALITY/contaminants: metals, PAHs,  
PCBs, dioxin, pesticides

**Contact:**

Fred Evans  
Naval Facilities Engineering Command (NAVFAC)  
(610) 595-0567 ext. 159

evansfj@efane.navfac.navy.mil

Request for information 020103

“In progress” – from F.Evans 030203

“Thank you!” sent 032503

Entry received 041003 – from Diane Kunis

(Kunisdl@efane.navfac.navy.mil)

“Thank you” sent 041003

COMPLETE

### 194. JUVENILE LOBSTER SURVEYS

**Sponsor:** New Hampshire Fish and Game Department

**Program:** ASMFC-Managed Species Monitoring Programs

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Lobster: counts

**Contact:**

Cheri Patterson  
New Hampshire Fish & Game Marine Fisheries Division  
(603) 868-1095  
bmsmith@starband.net

Request for information 020103

Contact for information (from B. Smith): Clare Mcbane  
(cmcbane@starband.net) 022103

Forward Request for information (from B. Smith) to C.  
Mcbane 022103

Request for information 032503

Request for information 080403

### 195. LIVING RESOURCES MONITORING PROGRAM

**Sponsor:** New Hampshire Department of Environmental Services

**Program:** National Coastal Assessment

**Website:** <http://www.des.state.nh.us>

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

**Resource/Parameters:**

BIOTA/Fish: community composition, pathologies,  
parasites, tissue residue, exotic species

**Contact:**

Steve Jones  
University of New Hampshire  
Jackson Estuarine Laboratory  
(603) 862-2175

shj@cisunix.unh.edu

Request for information 020103

Request for information 032503

Request for information 080403

### 196. LOBSTER LOGBOOK PROGRAM

**Sponsor:** New Hampshire Fish and Game Department

**Program:** ASMFC-Managed Species Monitoring Programs

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Lobster: abundance

**Contact:**

Cheri Patterson  
New Hampshire Fish & Game  
Marine Fisheries Division  
(603) 868-1095  
bmsmith@starband.net

Request for information 020103

Contact for information (from B. Smith): Cheri Patterson  
(cpatterson@starband.net) 022103

Forward Request for information (from B. Smith) to C.  
Patterson 022103

Request for information 032503

Request for information 080403

**197. LOBSTER SEA SAMPLING PROGRAM**

**Sponsor:** New Hampshire Fish and Game Department

**Program:** ASMFC-Managed Species Monitoring Programs

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Lobster: abundance, size class

**Contact:**

Cheri Patterson  
New Hampshire Fish & Game  
Marine Fisheries Division  
(603) 868-1095  
bmsmith@starband.net

Request for information 020103

Contact for information (from B. Smith): Clare Mcbane  
(cmcbane@starband.net) 022103

Forward Request for information (from B. Smith) to C.  
Mcbane 022103

Request for information 032503

Request for information 080403

**198. MACROBENTHOS MONITORING PROGRAM**

**Sponsor:** Seabrook Station

**Program:** Seabrook Station Environmental Monitoring Program

**Website:** <http://www.seabrookstation.com>

**Resource/Parameters:**

BIOTA/epifauna, epiflora: attached

**Contact:**

Ron Sher  
Seabrook Station  
(603) 773-7729  
sherra@naesco.com

Request for information 020103

Request for information 032503

Request for information 080403

**199. MARINE DEBRIS PROGRAM**

**Sponsor:** New Hampshire Office of State Planning, Coastal Program

**Program:** Marine Debris Program

**Website:** <http://www.state.nh.us/coastal>

**Resource/Parameters:**

DEBRIS/type, tonnage

**Contact:**

Sally Soule  
New Hampshire Coastal Program  
(603) 271-2155  
sally.soule@rscs.net

Request for information 020103

Request for information 032503

Request for information 080403

**200. MARINE RECREATIONAL FISHING STATISTICAL SURVEYS**

**Sponsor:** New Hampshire Fish and Game Department

**Program:** ASMFC-Managed Species Monitoring Programs

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Fish: species, counts

**Contact:**

Brian Smith  
New Hampshire Fish & Game  
Marine Fisheries Division  
(603) 868-1095  
bmsmith@starband.net

Request for information 020103

Request for information 032503

Request for information 080403

**201. MONTHLY NUTRIENT MONITORING PROGRAM**

**Sponsor:** Great Bay National Estuarine Research Reserve

**Program:** System Wide Monitoring Program

**Website:** <http://www.greatbay.org>

**Resource/Parameters:**

NUTRIENTS/chlorophyll a, phaeopigments, ammonia,  
sum of nitrate and nitrite, orthophosphate  
WATER QUALITY/salinity, temperature, pH, dissolved  
oxygen

**Contact:**

John Pennock  
UNH Jackson Estuarine  
(603) 862-2921  
jonathan.pennock@unh.edu

Request for information 020103

Request for information 032503

Request for information 080403



## 202. NEW HAMPSHIRE COASTAL 2000 - 2002 GULF OF MAINE ASSESSMENT

**Sponsor:** United States Environmental Protection Agency;  
New Hampshire Department of Environmental Services

**Website:** <http://www.epa.gov/emap/>

**Resource/Parameters:**

BIOTA/Benthos: community structure  
BIOTA/Fish: community structure, external pathology, tissue analysis  
CONTAMINANTS/inorganics, organics  
NUTRIENTS/chlorophyll  
SEDIMENT QUALITY/chemistry  
SEDIMENT QUALITY/toxicity  
SEDIMENT QUALITY/grain size  
WATER CONDITIONS/depth  
WATER QUALITY/dissolved oxygen, pH, salinity, temperature, total organic carbon

**Contact:**

Jerry Pesch/Walter Galloway  
National Health and Environmental Effects Laboratory  
Atlantic Ecology Division EPA/NHEERL/ORD  
27 Tarzwell Drive  
Narragansett, Rhode Island 02882  
(401) 782-3096  
[pesch.gerald@epa.gov](mailto:pesch.gerald@epa.gov)/[galloway.walt@epa.gov](mailto:galloway.walt@epa.gov)  
and  
Natalie Landry  
New Hampshire Department of Environmental Services -  
Watershed Management  
360 Corporate Avenue  
Portsmouth, New Hampshire 03801  
(603) 430-0877  
[nlandry@des.state.nh.us](mailto:nlandry@des.state.nh.us)  
and  
Steve Jones  
University of New Hampshire  
Jackson Estuarine Laboratory  
(603) 862-2175  
[shj@cisunix.unh.edu](mailto:shj@cisunix.unh.edu)

Request for information 020103 to Landry and Jones

Request for information 032503 to Landry and Jones

Request for information 080403 to Landry and Jones

## 203. NPDES PERMIT MONITORING

**Sponsor:** New Hampshire Department of Environmental Services

**Program:** NPDES Permit Monitoring

**Website:** <http://www.des.state.nh.us>

**Resource/Parameters:**

BIOTA/Bacteria  
WATER QUALITY/BOD5, total suspended solids, chlorine, pH

WATER QUALITY/toxicity: whole effluent toxicity (WET)

WATER QUALITY/contaminants: metals

**Contact:**

George Berlandi  
DES Wastewater Engineering Bureau  
(603) 271-2458  
[gberlandi@des.state.nh.us](mailto:gberlandi@des.state.nh.us)  
Request for information 020103  
Request for information 032503  
Request for information 080403

## 204. OPEN OCEAN AQUACULTURE DEMONSTRATION PROJECT MONITORING PROGRAM

**Sponsor:** University of New Hampshire; National Oceanic and Atmospheric Administration OAR; Cooperative Institute for New England Mariculture and Fisheries (CINEMar)

**Resource/Parameters:**

NUTRIENTS/dissolved organic nitrogen (nitrate + nitrite, ammonium), orthophosphate, photosynthetic pigments  
SEDIMENT QUALITY/grain size, organic content  
WATER QUALITY/total suspended sediments

**Contact:**

Larry G. Ward  
Jackson Estuarine Laboratory  
University of New Hampshire  
85 Adams Point Road  
Durham, New Hampshire 03824  
(603) 862-2175  
[lgward@cisunix.unh.edu](mailto:lgward@cisunix.unh.edu)

Request for information 020103

Entry received from Larry Ward

COMPLETE

**Program Entry Outline:** See Supplement

## 205. OYSTER RECREATIONAL HARVEST SURVEY

**Sponsor:** New Hampshire Fish and Game Department

**Program:** Oyster Resource Monitoring Programs

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Shellfish (oysters): annual recreational harvest

**Contact:**

Brian Smith  
New Hampshire Fish & Game  
Marine Fisheries Division  
(603) 868-1095  
[bmsmith@starband.net](mailto:bmsmith@starband.net)

Request for information 020103

Request for information 032503

Request for information 080403



## 206. PARALYTIC SHELLFISH POISONING/RED TIDE MONITORING PROGRAM

**Sponsor:** New Hampshire Department of Environmental Services

**Program:** Shellfish Program

**Website:** <http://www.des.state.nh.us>  
<http://www.des.state.nh.us/wmb/shellfish>

**Resource/Parameters:**

BIOTA/Mollusk (mussel tissue): phytoplankton (Alexandrium spp.)

BIOTA/Phytoplankton: Alexandrium spp.

**Contact:**

Chris Nash  
 DES Watershed Management Bureau  
 360 Corporate Drive, Suite 2  
 Pease Tradeport  
 Portsmouth, New Hampshire 03801  
 (603) 430-7900  
 cnash@des.state.nh.us

Request for information 020103

Request for information 032503

Request for information 080403

## 207. RAINBOW SMELT PROGRAM

**Sponsor:** New Hampshire Fish and Game Department

**Program:** Anadromous Fish Investigations (F-61R Reporting)

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Fish: abundance (adults), abundance (eggs)

**Contact:**

Brian Smith  
 New Hampshire Fish & Game  
 Marine Fisheries Division  
 (603) 868-1095  
 bmsmith@starband.net

Request for information 020103

Request for information 032503

Request for information 080403

## 208. RIVER HERRING RESTORATION PROGRAM

**Sponsor:** New Hampshire Fish and Game Department

**Program:** Anadromous Fish Investigations (F-61R Reporting)

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Fish: counts, sex, size/age, distribution

**Contact:**

Brian Smith  
 New Hampshire Fish & Game  
 Marine Fisheries Division  
 (603) 868-1095

bmsmith@starband.net

Request for information 020103

Contact for information (from B. Smith): Cheri Patterson (cpatterson@starband.net) 022103

Forward Request for information (from B. Smith) to C. Patterson 022103

Request for information 032503

Request for information 080403

## 209. ROUTINE MONITORING PROGRAM

**Sponsor:** New Hampshire Department of Environmental Services

**Program:** Shellfish Program

**Website:** <http://www.des.state.nh.us>  
<http://www.des.state.nh.us/wmb/shellfish>

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform

WATER CONDITIONS/tidal conditions

WATER QUALITY/fecal coliform bacteria, temperature, salinity, pH

WEATHER/precipitation, tidal conditions

**Contact:**

Chris Nash  
 DES Watershed Management Bureau  
 360 Corporate Drive, Suite 2  
 Pease Tradeport  
 Portsmouth, New Hampshire 03801  
 (603) 430-7900  
 cnash@des.state.nh.us

Request for information 020103

Request for information 032503

Request for information 080403

## 210. SEA RUN TROUT CREEL SURVEYS

**Sponsor:** New Hampshire Fish and Game Department

**Program:** Anadromous Fish Investigations (F-61R Reporting)

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Fish: catch per unit effort

**Contact:**

Brian Smith  
 New Hampshire Fish & Game  
 Marine Fisheries Division  
 (603) 868-1095  
 bmsmith@starband.net

Request for information 020103

Contact for information (from B. Smith): Clare Mcbane (cmcbane@starband.net) 022103

Forward Request for information (from B. Smith) to C. Mcbane 022103

Request for information 032503





Request for information 080403

## 211. SEDIMENT QUALITY INDICATORS MONITORING PROGRAM

**Sponsor:** New Hampshire Department of Environmental Services

**Program:** National Coastal Assessment

**Website:** <http://www.des.state.nh.us>

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

**Resource/Parameters:**

BIOTA/Benthos: community composition, abundance  
CONTAMINANTS/metals, PAH's, PCB's, pesticides,  
SEDIMENT QUALITY/toxicity  
SEDIMENT QUALITY/total organic carbon, grain size

**Contact:**

Steve Jones  
University of New Hampshire  
Jackson Estuarine Laboratory  
(603) 862-2175  
shj@cisunix.unh.edu

Request for information 020103

Request for information 032503

Request for information 080403

## 212. SOFT SHELL CLAM MONITORING PROGRAM

**Sponsor:** Seabrook Station

**Program:** Seabrook Station Environmental Monitoring Program

**Website:** <http://www.seabrookstation.com>

**Resource/Parameters:**

BIOTA/Mollusk (soft shell clam): larvae, density, harvest  
pressure, flat size, sarcomatous neoplasia in clams  
BIOTA/Shellfish (green crab):

**Contact:**

Ron Sher  
Seabrook Station  
(603) 773-7729  
sherra@naesco.com

Request for information 020103

Request for information 032503

Request for information 080403

## 213. STRIPED BASS CREEL SURVEYS

**Sponsor:** New Hampshire Fish and Game Department

**Program:** Anadromous Fish Investigations (F-61R Reporting)

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Fish: catch per unit effort, harvest

**Contact:**

Brian Smith  
New Hampshire Fish & Game  
Marine Fisheries Division  
(603) 868-1095  
bmsmith@starband.net

Request for information 020103

Contact for information (from B. Smith): Doug Grout  
(dgrout@starband.net) 022103

Forward Request for information (from B. Smith) to D.  
Grout 022103

Request for information 032503

Request for information 080403

## 214. VOLUNTEER ANGLER CREEL SURVEYS

**Sponsor:** New Hampshire Fish and Game Department

**Program:** Anadromous Fish Investigations (F-61R Reporting)

**Website:** <http://www.wildlife.state.nh.us>

**Resource/Parameters:**

BIOTA/Fish: size/age, species

**Contact:**

Brian Smith  
NHF&G Marine Fisheries Division  
(603) 868-1095  
bmsmith@starband.net

Request for information 020103

Contact for information (from B. Smith): Doug Grout  
(dgrout@starband.net) 022103

Forward Request for information (from B. Smith) to D.  
Grout 022103

Request for information 032503

Request for information 080403

## 215. WATER QUALITY AND PHYSIOCHEMICAL INDICATORS MONITORING PROGRAM

**Sponsor:** New Hampshire Department of Environmental Services

**Program:** National Coastal Assessment

**Website:** <http://www.des.state.nh.us>

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

**Resource/Parameters:**

NUTRIENTS/NO<sub>2</sub>+NO<sub>3</sub>, NH<sub>4</sub>, PO<sub>4</sub>, chlorophyll a, silica  
WATER QUALITY/temperature, salinity, pH, clarity, total  
suspended solids, dissolved oxygen, transmissometry

**Contact:**

Steve Jones  
University of New Hampshire  
Jackson Estuarine Laboratory  
(603) 862-2175  
shj@cisunix.unh.edu

Request for information 020103



Request for information 032503  
Request for information 080403

#### 216. WATER QUALITY MONITORING PROGRAM

**Program:** Great Bay Coast Watch

**Website:** <http://www.gbcw.unh.edu>

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform  
WATER QUALITY/clarity, temperature, salinity, pH,  
dissolved oxygen

**Contact:**

Ann Reid, Watch Coordinator  
Sea Grant, Kingman Farm/University of New Hampshire  
Durham, New Hampshire 03824-3512  
Great Bay Coast Watch  
(603) 749-1565  
ann.reid@unh.edu

Request for information 020103

Request for information 032503

Request for information 080403

#### 217. WINTER WATERFOWL SURVEYS

**Sponsor:** Great Bay National Estuarine Research Reserve

**Program:** System Wide Monitoring Program

**Website:** <http://www.greatbay.org>

**Resource/Parameters:**

BIOTA/Birds: species, abundance

**Contact:**

Brian Smith  
Great Bay National Estuarine Research Reserve  
(603) 868-1095  
bmsmith@starband.net

Request for information 020103

Request for information 032503

Request for information 080403

#### 218. ZOOPLANKTON MONITORING PROGRAM

**Sponsor:** Seabrook Station

**Program:** Seabrook Station Environmental Monitoring  
Program

**Website:** <http://www.seabrookstation.com>

**Resource/Parameters:**

BIOTA/Mollusks (bivalve): larval density  
BIOTA/Zooplankton (macrozooplankton): density

**Contact:**

Ron Sher  
Seabrook Station  
(603) 773-7729  
sherra@naesco.com

Request for information 032503

Request for information 080403

### United States: New York/Connecticut Programs

#### 219. 2001 LONG ISLAND SOUND STUDY AMBIENT WATER QUALITY AND MONITORING PROGRAM

**Sponsor:** Interstate Environmental Commission (IEC)

**Resource/Parameters:**

BIOTA/Pfiesteria  
BIOTA/Phytoplankton  
NUTRIENTS/chlorophyll a  
WATER QUALITY/temperature, dissolved oxygen,  
salinity

**Contact:**

Peter L. Sattler  
(212) 582-0380

#### 220. AMBIENT AIR QUALITY MONITORING NETWORK

**Sponsor:** New York State Department of Environmental  
Conservation, Division of Air Resources

**Resource/Parameters:**

AIR QUALITY/SO<sub>2</sub>, CO, NO, ozone, particulates, lead,  
metals, toxics  
CONTAMINANTS/  
WEATHER/wind speed, wind direction, precipitation,  
temperature, dew point, humidity, barometric pressure,  
total radiation

**Contact:**

Robert Warland  
(518) 402-8452  
Neil Isabelle  
(518) 402-8508

#### 221. AMERICAN LOBSTER MONITORING IN NEW YORK WATERS WITH EMPHASIS ON LONG ISLAND SOUND (LOBSTER POT CATCH)

**Sponsor:** New York State Environmental Conservation  
Division of Fish, Wildlife and Marine Resources

**Resource/Parameters:**

BIOTA/Lobster: size composition, total mortality rates, sex  
ratios, cull rates, time of molting

**Contact:**

Carl Loue  
(631) 444-0444

#### 222. BATHING BEACH SAMPLING PROGRAM

**Sponsor:** Westchester County Department of Health

**Authority:** NYS Sanitary Code Part 6, Westchester County  
Sanitary Code Article 12



**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform, total coliform  
 WATER QUALITY/fecal coliform bacteria, total coliform bacteria

**Contact:**

Gabriel Sganga  
 (914) 637-4853

**223. BATHING BEACHES MONITORING NETWORK**

**Sponsor:** Connecticut Department of Environmental Protection and Department of Health Services

**Resource/Parameters:**

BIOTA/Bacteria: Enterococcus  
 WATER QUALITY/Enterococcus

**Contact:**

Ernest Pizzuto  
 (860) 424-3715

**224. BATHING WATER QUALITY MONITORING PROGRAM**

**Sponsor:** New York State Office of Parks, Recreation and Historic Preservation; Nassau County Department of Health

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform, total coliform  
 WATER QUALITY/fecal coliform bacterial, total coliform bacteria

**Contact:**

John Jacobs  
 (516) 571-3686

**225. ESTUARINE SEINE SURVEY (EXCLUDING BIVALVES)**

**Sponsor:** Connecticut Department of Environmental Protection

**Resource/Parameters:**

BIOTA/Fish: abundance, diversity, length

**Contact:**

David Molnar  
 (860) 434-6043

**226. LONG ISLAND SOUND TRAWL SURVEY**

**Sponsor:** Connecticut Department of Environmental Protection

**Resource/Parameters:**

BIOTA/Fish: abundance, distribution, growth, mortality, biomass  
 BIOTA/Lobster: abundance, distribution, growth, mortality, biomass

**Contact:**

David G. Simpson  
 (203) 434-6043

**227. MYSOUND PROJECT**

**Sponsor:** University of Connecticut, Department of Marine Sciences

**Project:** United States Environmental Protection Agency Long Island Sound Project

**Website:** <http://www.mysound.uconn.edu>

**Resource/Parameters:**

WATER CONDITIONS/current speed, current direction  
 WATER QUALITY/ temperature, salinity, dissolved oxygen, suspended material concentration  
 WEATHER/wind speed, wind direction, air temperature, barometric pressure, humidity

**228. NATIONAL COASTAL ASSESSMENT (COASTAL 2000), LONG ISLAND SOUND COMPONENT**

**Sponsor:** United States Environmental Protection Agency; Connecticut Department of Environmental Protection

**Resource/Parameters:**

BIOTA/Fish: community structure, species abundance, external pathology, contaminant analysis  
 BIOTA/Benthos: community structure  
 NUTRIENTS/chlorophyll  
 SEDIMENT QUALITY/chemistry  
 SEDIMENT QUALITY/contaminants: metals, PCBs, pesticides  
 SEDIMENT QUALITY/toxicity  
 SEDIMENT QUALITY/grain size, total organic carbon  
 WATER CONDITIONS/depth  
 WATER QUALITY/dissolved oxygen, salinity, temperature, pH

**Contact:**

Christine Olsen  
 (860) 424-3727

**229. NEW YORK BIGHT BEACH MONITORING**

**Sponsor:** United States Environmental Protection Agency

**Resource/Parameters:**

BIOTA/pathogens, phytoplankton, chlorophyll a  
 WATER QUALITY/pathogens

**Contact:**

Robert Nyman  
 Environmental Protection Agency – Region 2



### 230. NEW YORK HARBOR WATER QUALITY SURVEY

**Sponsor:** New York City Department of Environmental Protection

**Resource/Parameters:**

BACTERIA/fecal coliform, enterococcus  
 BIOTA/Plankton: abundance, diversity, chlorophyll a  
 NUTRIENTS/NO<sub>2</sub>+NO<sub>3</sub>, NH<sub>3</sub>, DOC, ortho-P, total P, SiO<sub>2</sub>, chlorophyll a, TKN  
 SEDIMENT QUALITY/Contaminants: metals, organic priority pollutants, PCBs: done as a part of National Coastal Assessment Program  
 WATER QUALITY/dissolved oxygen, total suspended solids, pH, CTD Cast B salinity, conductivity, temperature, light transmission, fluorescence, secchi depth  
 WEATHER/wind speed, wind direction, precipitation

**Contact:**

Beau Ranheim  
 (212) 860-9378

### 231. NEW YORK STATE SHELLFISH LAND CERTIFICATION PROGRAM

**Sponsor:** New York State Department of Environmental Conservation Bureau of Marine Resources

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform, total coliform  
 BIOTA/Shellfish: fecal coliform bacterial, total coliform bacteria, contaminants  
 CONTAMINANTS/metals (As, Cd, Cr, Cu, Hg, Ni, Pb, Zn), chlorinated hydrocarbons, PAHs, PCBs

**Contact:**

William Hastback  
 (631) 444-0475

### 232. NYPA ICHTHYOPLANKTON AND JUVENILE FINFISH SAMPLING

**Sponsor:** New York Power Authority

**Resource/Parameters:**

BIOTA/Fish: distribution, abundance  
 WATER QUALITY/hydrodynamic particle tracking

**Contact:**

Dennis J. Dunning, Ph.D.  
 (914) 681-6401  
 dennis.dunning@nypa.gov

Entry received 022103 (Dennis Dunning)  
 COMPLETE

**Program Entry Outline:** See Supplement

### 233. ROTATING INTENSIVE BASIN STUDIES

**Program:** Statewide Waters Monitoring Program

**Sponsor:** New York State Department of Environmental Conservation Division of Water

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform, total coliform  
 BIOTA/Fish: community structure, metals, organic contaminants  
 BIOTA/Invertebrates: community structure, abundance, diversity, metals, organic contaminants  
 NUTRIENTS/nitrogen series, orthophosphate, total phosphate  
 WATER QUALITY/toxicity: Ceriodaphnia  
 WATER QUALITY/contaminants  
 WATER QUALITY/alkalinity, hardness, turbidity

**Contact:**

Roseann Garry  
 (518) 402-8159

### 234. SHELLFISH AND AQUACULTURE PROGRAM

**Sponsor:** State of Connecticut Department of Agriculture - Bureau of Aquaculture

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform, total coliform  
 BIOTA/Shellfish (clams, oysters, mussels): fecal coliform bacteria, Alexandrium spp., PAHs, PCBs, metals, diseases, spawning condition, recruitment  
 BIOTA/Invertebrates: community structure, abundance, diversity, metals, organic contaminants  
 WATER QUALITY/temperature, salinity

**Contact:**

John H. Volk, Director

### 235. TOXIC SUBSTANCE MONITORING PROGRAM-MARINE WATERS STRIPED BASS PROJECT

**Sponsor:** New York State Department of Environmental Conservation Division of Fish and Wildlife

**Resource/Parameters:**

BIOTA/Fish (tissue): contaminants  
 CONTAMINANTS/PCBs and organochlorines

**Contact:**

Ronald Slogan  
 (518) 402-8974

### 236. VOLUNTEER SECCHI DISC MONITORING

**Sponsor:** Connecticut Department of Environmental Protection - OLISP

**Contact:** Ron Rozsa

**Goal:** Use secchi as a surrogate to light availability as it may identify when water quality has been restored to a level that would allow eelgrass restoration to proceed



### 237. VOLUNTEER WATER QUALITY MONITORING PROGRAM

**Sponsor:** Friends of the Bay (Non-Profit)

**Resource/Parameters:**

BIOTA/Plankton: S  
 WATER QUALITY/temperature, dissolved oxygen, salinity, fecal coliform bacteria, E. coli, S  
 WEATHER/air temperature

**Contact:**

Polly Weigland  
 (516) 922-6666

### 238. WATER QUALITY MONITORING PROGRAM

**Sponsor:** Save the Sound

**Resource/Parameters:**

BIOTA/Plankton: chlorophyll a  
 NUTRIENTS/chlorophyll a (water)  
 WATER QUALITY/dissolved oxygen, temperature, turbidity, salinity  
 WEATHER/air temperature, wind speed, wind direction

**Contact:**

William Shadel

### 239. WESTERN LONG ISLAND STRIPED BASS SURVEY

**Sponsor:** New York State Department of Environmental Conservation

**Resource/Parameters:**

BIOTA/Fish: relative abundance, size, growth, mortality rates

**Contact:**

Kim A. McKown  
 (613) 494-0454

## United States: Rhode Island Programs

### 240. ADULT AMERICAN SHAD AND RIVER HERRING MONITORING

**Sponsor:** RIDEM

**Resource/Parameters:**

BIOTA/Fish: (shad, herring) counts

**Contact:**

Phil Edwards  
 RIDEM  
 Great Swamp Field Headquarters  
 P.O. Box 218  
 West Kingston, Rhode Island 02892  
 (401) 789-0281  
 pedwardsdem@mindspring.com

Requested information 020103

Entry received (Phil Edwards)

**Program Entry Outline:** See Supplement

### 241. AIRCRAFT REMOTE SENSING FOR CHLOROPHYLL-A

**Sponsor:** EPA-AED

**Resource/Parameters:**

NUTRIENTS/chlorophyll a  
 WATER QUALITY/salinity, suspended solids, temperature  
 WEATHER/solar radiance, solar irradiance

**Contact:**

Darryl Keith  
 EPA-AED  
 27 Tarzwell Drive  
 Narragansett, Rhode Island 02882  
 (401) 782-3135  
 keith.darryl@epa.gov

Requested information 021203

### 242. AIR QUALITY MONITORING

**Sponsor:** RIDEM

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

**Resource/Parameters:**

AIR QUALITY/fine particulates (PM2.5 and PM 10), ozone, nitrogen oxide, sulphur dioxide, carbon monoxide, VOCs, carbonyls, metals

**Contact:**

Barbara Morin  
 RIDEM, Office of Air Resources  
 235 Promenade Street  
 Providence, Rhode Island 02908  
 (401) 222-4700  
 bmorin@dem.state.ri.us



Requested information 021203

#### 243. AMPHIPOD POPULATION STUDY

**Sponsor:** EPA-AED

**Resource/Parameters:**

BIOTA/Invertebrates: *Ampelisca abdita*: abundance, length frequency, sex ratio, biomass, reproductive state

**Contact:**

Ann Kuhn-Hines  
EPA-AED  
27 Tarzwell Drive  
Narragansett, Rhode Island 02882  
(401) 782-3199  
kuhn.anne@epa.gov

Requested information 021203

#### 244. AQUATIC FURBEARER SURVEY

**Sponsor:** RIDEM

**Resource/Parameters:**

BIOTA/numbers

**Contact:**

Lori Suprock  
RIDEM  
Great Swamp Field Headquarters  
P.O. Box 218  
West Kingston, Rhode Island 02892  
(401) 789-0281  
Lsuprock@mindspring.com

Requested information 021203

#### 245. ARTIFICIAL SUBSTRATE MONITORING

**Sponsor:** RIDEM

**Resource/Parameters:**

BIOTA/biological diversity

**Contact:**

Robert Richardson  
RIDEM  
Office of Water Resources  
235 Promenade St  
Providence, Rhode Island 02908  
(401) 222-4700  
rrichard@dem.state.ri.us

Requested information 021203

#### 246. ASSESSING STATUS OF NARRAGANSETT BAY SALTMARSH PLANT COMMUNITIES

**Sponsor:** Rhode Island Sea Grant; Brown University

**Resource/Parameters:**

BIOTA/Fish (killifish), Mollusks (marsh snail), Shellfish (fiddler crab)  
BIOTA/flora: marsh plants

WATER CONDITIONS/tidal heights

**Contact:**

Dr. Mark Bertness  
Brown University Department of  
Department of Evolutionary Ecology  
Providence, Rhode Island 02912  
(401) 863-2280  
mark\_bertness@brown.edu  
Requested information 021203

#### 247. BARRINGTON & PALMER RIVERS MONITORING

**Sponsor:** Brown University

**Resource/Parameters:**

WATER CONDITIONS/depth  
WATER QUALITY/salinity, temperature

**Contact:**

Dr. Warren Prell  
Brown University  
Department of Geosciences  
P.O. Box 1846  
Providence, Rhode Island 02912  
(401) 863-3221  
warren\_prell@brown.edu  
Requested information 021203

#### 248. BAY WATCHERS

**Sponsor:** Save The Bay

**Program:** Narragansett Bay National Estuary Research Reserve program

**Website:** <http://www.savebay.org/>

**Resource/Parameters:**

BIOTA/Horseshoe Crab: counts  
BIOTA/Marine Mammals: seal counts  
WATER QUALITY/dissolved oxygen, clarity, temperature

**Contact:**

Wenley Ferguson  
Save The Bay  
434 Smith Street  
Providence, Rhode Island 02908  
(401) 273-3540  
wferguson@savebay.org  
Requested information 021203

#### 249. BEACH MONITORING PROGRAM

**Sponsor:** RIDOH

**Website:** <http://www.health.state.ri.us>

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform, enterococci

**Contact:**

David Burnett  
RIDOH



Office of Food Protection  
3 Capitol Hill  
Providence, Rhode Island 02908  
(401) 222-2749  
ribeaches@doh.state.ri.us  
**Program Entry Outline:** See Supplement

**250. BENTHIC INFAUNA IN NARRAGANSETT BAY**  
**Sponsor:** University of Rhode Island - Graduate School of Oceanography

**Resource/Parameters:**  
BIOTA/Benthos: nematodes

**Contact:**  
Dr. Candace Oviatt  
University of Rhode Island Grad School of Oceanography  
South Ferry Rd  
Narragansett, Rhode Island 02882  
(401) 874-6132  
coviatt@gso.uri.edu  
Requested information 021203

**251. BIOTOXIN SHELLFISH POISONING SAMPLING**

**Sponsor:** RIDEM  
**Resource/Parameters:**  
BIOTA/Phytoplankton

**Contact:**  
Joe Migliore  
RIDEM  
Office of Water Resources  
235 Promenade St.  
Providence, Rhode Island 02908  
(401) 222-4700  
jmiglior@dem.state.ri.us  
Requested information 021203

**252. BIRD MONITORING AT GALILEE BIRD SANCTUARY**

**Sponsor:** University of Rhode Island  
**Resource/Parameters:**  
BIOTA/Birds: species composition, relative abundance, habitat associations

**Contact:**  
Frank Golet/Peter Paton  
Department of Natural Resource Sciences  
Kingston, Rhode Island 02881  
(401) 874-2986  
ppaton@uri.edu

Requested information 021203  
**253. BIRD SPECIES BREEDING MONITORING**

**Sponsor:** RIDEM  
**Resource/Parameters:**  
BIOTA/Birds: breeding status

**Contact:**  
Lori Suprock  
RIDEM  
Great Swamp Field Headquarters  
P.O. Box 218  
West Kingston, Rhode Island 02892  
(401) 789-0281  
Lsuprock@mindspring.com  
Requested information 021203

**254. BLUE WATER TASK FORCE BEACHSCAPE**

**Sponsor:** Rhode Island Surfrider Foundation  
**Website:** <http://www.edc.uri.edu/surfrider/>

**Resource/Parameters:**  
BIOTA/Bacteria: fecal coliform, E. coli, enterococci

**Contact:**  
Jill Bodnar  
Rhode Island Surfrider Foundation  
Kingston, Rhode Island 02881  
(401) 874-5054  
jill@edc.uri.edu  
Requested information 021203

**255. EMAP ESTUARIES VIRGINIAN PROVINCE**

**Sponsor:** United States Environmental Protection Agency  
**Website:** <http://www.epa.gov/emap>

**Resource/Parameters:**  
BIOTA/Benthos  
SEDIMENT QUALITY/contaminants  
SEDIMENT QUALITY/toxicity  
WATER QUALITY/dissolved oxygen

**Contact:**  
John Paul  
US EPA, AED  
27 Tarzwell Drive  
Narragansett, Rhode Island 02882  
(401) 782-3000  
paul.john@epa.gov  
Requested information 021203

**256. FIN FISH MONITORING COASTAL PONDS**

**Sponsor:** RIDEM  
**Resource/Parameters:**  
BIOTA/Fish: length, weight, frequency

**Contact:**  
Jennifer Temple



RIDEM  
Coastal Fisheries Lab  
1231 Succotash Road  
Wakefield, Rhode Island 02879  
(401) 783-2304  
jtemple@dem.state.ri.us  
Requested information 021203

#### 257. GILL NET MONITORING PROGRAM

**Sponsor:** RIDEM  
**Resource/Parameters:**  
BIOTA/Fish: length, frequency, weight, otolith, scales  
**Contact:**  
Dick Satchwill  
RIDEM  
Coastal Fisheries Lab  
1231 Succotash Road  
Wakefield, Rhode Island 02879  
(401) 783-2304  
rsatchwi@dem.state.ri.us  
Requested information 021203

#### 258. IMPACTS OF CTENOPHORE M. LEIDYI ICTHYOPLANKTON

**Sponsor:** Rhode Island Sea Grant  
**Resource/Parameters:**  
BIOTA/Fish-Zooplankton, Ctenophore m. leidy:  
abundance  
WATER QUALITY/salinity, temperature  
**Contact:**  
Barbara Sullivan  
GSO, University of Rhode  
South Ferry Rd  
Narragansett, Rhode Island 02882  
(401) 874-6659  
bsull@gso.uri.edu  
Requested information 021203

#### 259. INTERTIDAL CRABS ON ROCKY SHORES

**Sponsor:** WHOI Sea Grant  
**Resource/Parameters:**  
BIOTA/Shellfish (crabs): abundance  
**Contact:**  
Nancy J. O'Connor  
Department of Biology, University of Massachusetts  
285 Old Westport Rd  
North Dartmouth, MA 02747  
(508) 999-8217  
noconnor@umassd.edu  
Requested information 021203

#### 260. JAMESTOWN BIRD SURVEY

**Sponsor:** Jamestown Land Trust  
**Resource/Parameters:**  
BIOTA/Birds: species inventory  
**Contact:**  
Candy Powell  
Jamestown Land Trust  
Jamestown, Rhode Island 02832  
(401) 423-1492  
Requested information 021203

#### 261. JUVENILE AMERICAN SHAD AND RIVER HERRING MONITORING

**Sponsor:** RIDEM  
**Resource/Parameters:**  
FAUNA/Fish: (shad, herring) frequency, length, weight  
**Contact:**  
Phil Edwards  
RIDEM  
Great Swamp Field Headquarters  
P.O. Box 218  
West Kingston, Rhode Island 02892  
(401) 789-0281  
pedwardsdem@mindspring.com  
**Program Entry Outline:** See Supplement

#### 262. JUVENILE FIN FISH SURVEY

**Sponsor:** RIDEM  
**Resource/Parameters:**  
BIOTA/Fish: length, frequency  
WATER QUALITY/dissolved oxygen, salinity, temperature  
**Contact:**  
Chris Powell  
RIDEM  
DEM Fish and Wildlife  
150 Fowler Street  
Wickford, Rhode Island 02852  
(401) 294-4524  
cpowell@dem.state.ri.us  
Requested information 021203

#### 263. KINGSTON WILDLIFE RESEARCH STATION

**Sponsor:** University of Rhode Island; Rhode Island  
Audubon Society  
**Resource/Parameters:**  
BIOTA/Birds: age/sex ratios, species composition,  
morphological characteristics  
**Contact:**  
Dr. Peter Paton  
Dept of Nat. Resource Sciences





Kingston, Rhode Island 02881  
 (401) 874-2986  
 ppaton@uri.edu  
 Requested information 021203

#### 264. LOBSTER FISHERY MONITORING

**Sponsor:** RIDEM

**Resource/Parameters:**

BIOTA/Lobster: sex, size, cull status, mortality, pathology,  
 shell disease, maturity

**Contact:**

Tom Angell/ Scott Olszewski  
 RIDEM  
 Marine Fisheries  
 1231 Succotash Road  
 Wakefield, Rhode Island 02879  
 (401) 783-2304  
 solszews@dem.state.ri.us  
 Requested information 021203

#### 265. LOBSTER LARVAL SETTLEMENT INDEX

**Sponsor:** Rhode Island Sea Grant; Rhode Island DEM

**Resource/Parameters:**

BIOTA/Lobster and interstitial fauna

**Contact:**

Dr. Richard Wahle  
 Bigelow Lab  
 Bigelow Laboratory for Ocean West Boothbay Harbor,  
 Maine 04575  
 (206) 633-9659  
 rwhale@bigelow.org  
 Requested information 021203

#### 266. LOBSTER SHELL DISEASE PROGRAM

**Sponsor:** Rhode Island Sea Grant/CMER

**Resource/Parameters:**

BIOTA/Lobster: shell condition

**Contact:**

Kathleen Castro  
 Fisheries Center, University of Rhode  
 East Farm Kingston, Rhode Island 02881  
 (401) 874-5063  
 kcastro@uri.edu  
 Requested information 021203

#### 267. LOBSTER TAGGING PROGRAM

**Sponsor:** NMFS S/K; CMER; Rhode Island Sea Grant

**Resource/Parameters:**

BIOTA/Lobster: condition, carapace size

**Contact:**

Kathleen Castro  
 Fisheries Center, University of Rhode Island  
 East Farm Kingston, Rhode Island 02874  
 (401) 874-5063  
 kcastro@uri.edu  
 Requested information 021203

#### 268. LONG-TERM BEACH PROFILE MONITORING

**Sponsor:** University of Rhode Island Department of  
 Geosciences; Rhode Island Sea Grant; Rhode Island CRMC

**Resource/Parameters:**

HABITAT/beach profiles

**Contact:**

Dr. Jon C. Boothroyd  
 University of Rhode Island Department of Geosciences  
 314 Woodward Hall  
 Kingston, Rhode Island 02881  
 (401) 874-2191  
 jon\_boothroyd@uri.edu  
 Requested information 021203

#### 269. MCALISTER POINT LANDFILL AND DAVISVILLE LANDFILL

**Sponsor:** United States Environmental Protection Agency –  
 Superfund Division; Department of Defense; United States  
 Navy

**Resource/Parameters:**

CONTAMINANTS/ landfill gases  
 WATER QUALITY/groundwater, contaminants

**Contact:**

Kymerlee Keckler  
 US EPA, Region 1  
 1 Congress Street  
 Boston, Massachusetts 02114  
 (617) 918-1385  
 keckler.kymerlee@epa.gov  
 Requested information 021203

#### 270. MONITORING AVIAN PRODUCTIVITY AND SURVIVORSHIP

**Sponsor:** United States Fish & Wildlife; University of  
 Rhode Island

**Resource/Parameters:**

BIOTA/Birds: age/sex ratios, species composition,  
 morphological characteristics

**Contact:**

Dr. Peter Paton  
 Department of Natural Resources  
 Kingston, Rhode Island 02881  
 (401) 874-2986  
 ppaton@uri.edu



Requested information 021203

#### 271. A MONITORING NETWORK FOR NARR BAY WATERS

**Sponsor:** University of Rhode Island - Graduate School of Oceanography; National Oceanic and Atmospheric Administration; Narragansett Bay Commission

**Website:** <http://www.gso.uri.edu/~dkester/nbay/index.htm>

**Resource/Parameters:**

NUTRIENTS/chlorophyll  
WATER CONDITIONS/water level  
WATER QUALITY/oxygen, temperature, pH, salinity

**Contact:**

Dr. Dana Kester  
University of Rhode Island - Graduate School of Oceanography  
South Ferry Road  
Kingston, Rhode Island 02882  
(401) 874-6527  
dkester@gso.uri.edu

Requested information 021203

#### 272. NARRAGANSETT BAY PHYTOPLANKTON

**Sponsor:** University of Rhode Island – GSO

**Website:** <http://www.gso.uri.edu/phytoplankton>

**Resource/Parameters:**

BIOTA/Phytoplankton

**Contact:**

Dr. Paul E. Hargraves  
GSO/University of Rhode Island  
South Ferry Road  
Narragansett, Rhode Island 02882  
(401) 874-6240  
pharg@gso.uri.edu

Requested information 021203

#### 273. NARRAGANSETT BAY RAPID ASSESSMENT SURVEY FOR MARINE BIOINVASIVE SPECIES

**Sponsor:** Rhode Island Sea Grant; RI CRMC; RI DEM; RI Nat History Survey

**Resource/Parameters:**

BIOTA/Invasive fauna and flora: surveys

**Contact:**

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

Requested information 021203

#### 274. NARRAGANSETT BAY WINDOW

**Sponsors:**

National Oceanic and Atmospheric Administration  
NMFS  
United States Environmental Protection Agency  
RIDEM  
University of Rhode Island  
Sea Grant  
Narragansett Bay Estuaries Program  
Estuarine Research Reserve  
Roger Williams College  
Brown University

**Resource/Parameters:**

BIOTA/Plankton, Benthos  
SEDIMENT QUALITY/chemistry  
WATER QUALITY/conductivity|temperate at depth, fluorometer, dissolved oxygen, primary productivity

**Contact:**

Mark Berman  
Tarzwell Drive  
Narragansett, Rhode Island 02882  
(401) 782-3100  
mberman@mola.na.nmfs.gov  
Requested information 021203

#### 275. NATIONAL ESTUARINE RESERVE SYSTEM: NARRAGANSETT BAY

**Sponsor:** National Oceanic and Atmospheric Administration; RIDEM

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

**Resource/Parameters:**

NUTRIENTS/chlorophyll  
WATER CONDITIONS/depth  
WATER QUALITY/temperature, salinity, dissolved oxygen, turbidity

**Contact:**

Roger Greene  
RIDEM  
55 South Reserve Drive  
Prudence Island, Rhode Island 02872  
(401) 683-6780

Requested information 021203

#### 276. OCEANOLOGY PROGRAM

**Sponsor:** Pine Point School

**Resource/Parameters:**

BIOTA/Plankton, Benthos  
NUTRIENTS/phosphates, nitrates  
SEDIMENT QUALITY/type  
WATER CONDITIONS/speed, direction



WATER QUALITY/coliform bacteria  
 WATER QUALITY/salinity, temperature, dissolved  
 oxygen, visibility, color

**Contact:**

Alan Banister  
 Pine Point School  
 89 Barnes Road  
 Stonington, CT 06378  
 (860) 535-0881  
 pbanister@snet.net  
 Requested information 021203

### 277. PRUDENCE ISLAND CONSERVANCY CITIZENS MONITORING PROGRAM

**Sponsor:** Prudence Island Conservancy; NBNERR

**Resource/Parameters:**

WATER QUALITY/clarity, dissolved oxygen, pH, salinity,  
 temperature  
 WEATHER/air temperature, rainfall, wind

**Contact:**

Dr. Kenny Rapoza  
 NBNERR  
 Prudence Conservancy  
 0113 Mount Pleasant Ave.  
 Prudence Island, Rhode Island 02872  
 (401) 683-6780  
 Kenny@gsosun1.gso.uri.edu  
 Requested information 021203

### 278. QUONOCHONTAUG POND FELLOWSHIP/SALT POND RESEARCH FELLOWSHIP

**Sponsor:** University of Rhode Island - Graduate School of  
 Oceanography

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

**Resource/Parameters:**

WATER QUALITY/salinity

**Contact:**

Kathryn Ford  
 Graduate School of Oceanography  
 South Ferry Road  
 Narragansett, Rhode Island 02882  
 (401) 874-6182  
 khford@gso.uri.edu  
 Requested information 021203

### 279. QUONOCHONTAUG POND FELLOWSHIP/SALT POND RESEARCH FELLOWSHIP

**Sponsor:** University of Rhode Island - Graduate School of  
 Oceanography

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

**Resource/Parameters:**

BIOTA/Shellfish (Tissue): metals (Cr, Zn, Cu, Pb, As, Ag,  
 Cd), organics, PCBs, PAHs, OCPs  
 CONTAMINANTS/metals (Cr, Zn, Cu, Pb, As, Ag, Cd),  
 organics, PCBs, PAHs, OCPs  
 SEDIMENT QUALITY/grain size, total organic carbon

**Contact:**

Kathryn Ford  
 Graduate School of Oceanography  
 South Ferry Road  
 Narragansett, Rhode Island 02882  
 (401) 874-6182  
 khford@gso.uri.edu  
 Requested information 021203

### 280. QUONOCHONTAUG POND FELLOWSHIP/SALT POND RESEARCH FELLOWSHIP

**Sponsor:** University of Rhode Island - Graduate School of  
 Oceanography

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

**Resource/Parameters:**

BIOTA/Fish  
 BIOTA/Shellfish  
 WATER QUALITY/oxygen

**Contact:**

Kathryn Ford  
 Graduate School of Oceanography  
 South Ferry Rd  
 Narragansett, Rhode Island 02882  
 (401) 874-6182  
 khford@gso.uri.edu  
 Requested information 021203

### 281. RESTORATION CENTER PROGRAMS

**Sponsor:** National Oceanic and Atmospheric  
 Administration/NMFS

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

**Resource/Parameters:**

BIOTA/Fish: population dynamics  
 BIOTA/Lobster, Shellfish: bay scallops, oysters

**Contact:**

Jim Turek  
 National Oceanic and Atmospheric Administration/NMFS  
 Tarzwell Drive  
 Narragansett, Rhode Island 02881  
 (401) 782-3338  
 james.g.turek.noaa.gov



Requested information 021203

### 282. RHODE ISLAND AUDUBON BIRD A THON

**Sponsor:** The Audubon Society of Rhode Island

**Resource/Parameters:**

BIOTA/Birds: species, condition

**Contact:**

Dot Mathurin  
Audubon Society of Rhode Island  
12 Sanderstown Rd  
Smithfield, Rhode Island 02917  
(401) 949-5454

[dmathurin@asri.org](mailto:dmathurin@asri.org)

Requested information 021203

### 283. RHODE ISLAND BRISTOL COUNTY OBSERVER NETWORK (RI and MA)

**Sponsor:** Ray Vincent

**Resource/Parameters:**

WEATHER/air temperature, wind speed/direction, precipitation

**Contact:**

Ray Vincent  
Rhode Island Bristol County Observer Network (RIBCON)/RI and MA  
13 Kenyon Street  
Providence, Rhode Island 02930  
(401) 421-8382

Requested information 021203

### 284. RHODE ISLAND POLLUTION DISCHARGE ELIMINATION SYSTEM MONITORING

**Sponsor:** RIDEM

**Resource/Parameters:**

WATER QUALITY/

**Contact:**

Eric Beck  
RIDEM  
Office of Water Resources  
235 Promenade Street  
Providence, Rhode Island 02908  
(401) 222-4700  
[ebeck@dem.state.ri.us](mailto:ebeck@dem.state.ri.us)

Requested information 021203

### 285. SALT MARSH RESTORATION MONITORING AT GALILEE BIRD SANCT

**Sponsor:** University of Rhode Island; RIDEM

**Resource/Parameters:**

BIOTA/Birds, Fish, Mollusks  
BIOTA/flora: emergent vegetation, submerged aquatic vegetation, woody vegetation

WATER CONDITIONS/tide levels

**Contact:**

Dr. Frank Golet  
University of Rhode Island Dept. Of Nat Rscce Scne  
108 Coastal Institute at Kingston  
1 Greenhouse Rd  
Kingston, Rhode Island 02881  
(401) 874-2916  
[fgswamps@uri.edu](mailto:fgswamps@uri.edu)

Requested information 021203

### 286. SALT POND WATCHERS

**Sponsor:** Salt Ponds Coalition

**Website:** <http://www.saltpondscoalition.org>

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform  
WATER QUALITY/fecal coliform bacteria

**Contact:**

Ralph Minopoli  
Salt Ponds Coalition  
P.O. Box 875  
Charlestown, Rhode Island 02813  
(401) 364-7771  
[Saltpondcoalition@hotmail.com](mailto:Saltpondcoalition@hotmail.com)

Requested information 021203

### 287. SAVE THE BAY'S MONITORING

**Sponsor:** Save The Bay

**Website:** <http://www.savebay.org/>

**Resource/Parameters:**

BIOTA/eelgrass Monitoring  
BIOTA/horseshoe crab: spawning counts  
BIOTA/Marine Mammals: seal counts  
WATER QUALITY/clarity, dissolved oxygen, temperature

**Contact:**

Wenley Ferguson  
Save The Bay  
434 Smith Street  
Providence, Rhode Island 02908  
(401) 273-3540  
[wferguson@savebay.org](mailto:wferguson@savebay.org)

Requested information 021203

### 288. SHELLFISH DISEASE SURVEY

**Sponsor:** RI DEM, Fish & Wildlife

**Resource/Parameters:**

BIOTA/Shellfish (oysters, quahogs): Bacteria, disease, neoplasia  
WATER QUALITY/temperature

**Contact:**

Dr. Marta Gomez-Chiarri



Depart fisheries, animal, & vet  
127 Woodward Hall  
Kingston, Rhode Island 02881  
(401) 874-2917  
gomezchi@uri.edu  
Requested information 021203

### 289. SHELLFISH GROWING AREA MONITORING

**Sponsor:** RIDEM

**Website:** <http://www.dem.state.ri.us>

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform  
WATER QUALITY/fecal coliform bacteria  
WATER QUALITY/temperature

**Contact:**

Joe Migliore  
RIDEM, Office of Water Resources  
235 Promenade St.  
Providence, Rhode Island 02908  
(401) 222-4700  
jmiglior@dem.state.ri.us  
Requested information 021203

### 290. SHELLFISH MONITORING PROGRAM SHORELINE SURVEYS

**Sponsor:** RIDEM

**Resource/Parameters:**

BIOTA/Bacteria

**Contact:**

Joe Migliore  
RIDEM  
Office of Water Resources  
235 Promenade St.  
Providence, Rhode Island 02908  
(401) 222-4700  
jmiglior@dem.state.ri.us  
Requested information 021203

### 291. SUMMER ON THE WATER PROGRAM

**Sponsor:** Committee For The Great Salt Pond

**Website:** <http://blockisland.com/saltpond>

**Resource/Parameters:**

BIOTA/Birds: counts  
BIOTA/Benthos: fauna  
WATER QUALITY/clarity, dissolved oxygen

**Contact:**

Henry duPont  
Committee for the Great Salt Pond  
283 Ocean Avenue  
New Shoreham, Rhode Island 02888  
(401) 466-5061

Requested information 021203

### 292. VOLUNTEER DISSOLVED OXYGEN NIGHT SURVEY

**Resource/Parameters:**

WATER CONDITIONS/depth  
WATER QUALITY/dissolved oxygen, salinity, temperature

**Contact:**

Christopher Deacutis  
RIDEM  
Rhode Island Narragansett Bay Estuary Program  
235 Promenade Street  
Providence, Rhode Island 02908  
(401) 222-4700  
deacutis@etal.uri.edu  
Requested information 021203

### 293. WATER COLUMN NUTRIENTS

**Sponsor:** University of Rhode Island - Graduate School of  
Oceanography

**Resource/Parameters:**

NUTRIENTS/ammonia, chlorophyll, nitrite, nitrate,  
phosphate, silicate

**Contact:**

Dr. Candace Oviatt  
University of Rhode Island  
Graduate School of Oceanography  
South Ferry Road  
Narragansett, Rhode Island 02882  
(401) 874-6132  
coviatt@gso.uri.edu  
Requested information 021203

### 294. WATERFOWL SURVEY

**Sponsor:** RIDEM

**Resource/Parameters:**

BIOTA/Birds: counts

**Contact:**

Lori Suprock  
RIDEM  
Great Swamp Field Hq  
P.O. Box 218  
West Kingston, Rhode Island 02892  
(401) 789-0281  
Lsuprock@mindspring.com



Requested information 021203

**295. WATERSHED WATCH**

**Sponsor:** University of Rhode Island Cooperative Extension

**Website:** <http://www.edc.uri.edu/uriww>

**Resource/Parameters:**

BIOTA/Bacteria: fecal coliform, E. coli

NUTRIENTS/nitrogen, phosphorus

WATER CONDITIONS/flow/water level

WATER QUALITY/fecal coliform bacteria, E. coli

WATER QUALITY/temperature, dissolved oxygen, pH,  
alkalinity, clarity, conductivity, chloride, salinity

**Contact:**

Linda Green/Elizabeth Herron

University of Rhode Island Cooperative Extension

University of Rhode Island

105 Coastal Institute Building

Kingston, Rhode Island 02881

(401) 874-2095

uriww@etal.uri.edu

Requested information 021203