Rhode Island Sea Grant | University of Rhode Island | Narragansett, RI 02882

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National Directory of Volunteer Environmental Monitoring Programs

Fourth Edition

This directory is just one of several essential tools for volunteer monitoring groups provided by the U.S. EPA's Office of Water. Others include:

- **Guidance documents.** EPA has published three guidance manuals: *Volunteer Water Monitoring: A Guide for State Managers; Volunteer Lake Monitoring: A Methods Manual;* and *Volunteer Estuary Monitoring: A Methods Manual.* A manual on river monitoring is under development.
- **Newsletter.** EPA supports *The Volunteer Monitor* newsletter.
- **Electronic bulletin board.** EPA supports a volunteer monitoring special interest group on the nonpoint source (NPS) bulletin board. The bulletin board provides volunteers with a forum for communication as well as access to features such as a calendar of events and a bibliography of volunteer monitoring resources.
- **Conferences.** EPA has sponsored four national volunteer monitoring conferences (in 1988, 1989, 1992, and 1994) and the publication of proceedings for these conferences.

For more information on any of these EPA publications or other resources, contact Alice Mayio, U.S. EPA, Assessment and Watershed Protection Division (4503F), 401 M St., SW, Washington, DC 20460.

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Cover Photo: *A student with the Rivers Curriculum Project tests water quality in the field. Photo by Bill Brinson.*

printed on recycled paper

National Directory of Volunteer Environmental Monitoring Programs

Fourth Edition

Margaret Kerr
Eleanor Ely
Virginia Lee
Alan Desbonnet

March 1994

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NOTICE: This document has been reviewed in accordance with U.S. Environmental Protection Agency policy and approved for publication. Mention of trade names or commercial products does not constitute endorsement or recommendation for use.

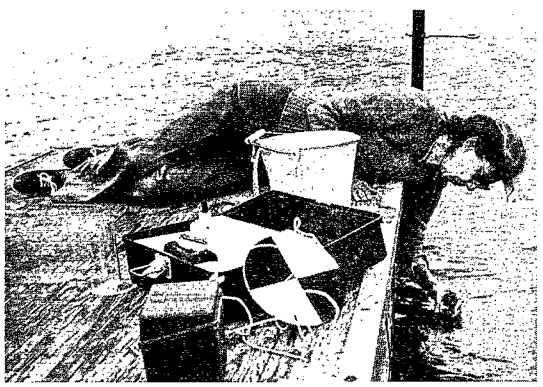
Eleanor Ely

A microscope is used to identify macroinvertebrates at a streamwalk training session near Seattle, Washington.

William Stapp

Michigan high school students participating in the Global Rivers Environmental Education Network (GREEN) analyze a sample in a school laboratory.

Alliance for the Chesapeake Bay



Chesapeake Bay Citizens Monitoring Program volunteer collects a water sample for analysis.

PREFACE

It is with great excitement and pride that we have developed this fourth, greatly expanded edition of the *National Directory of Volunteer Environmental Monitoring Programs*. We hope that this directory will prove to be a valuable resource to a wide variety of people involved in protecting our environment—beginning monitoring groups, established groups expanding to meet new challenges, and water resource professionals. It is thrilling to witness the growth of volunteer monitoring, to dream of the potential and to have a small part in helping it happen.

We would like to thank the many University of Rhode Island staff members and students without whose assistance this directory could not have been produced. Mike Conroy carefully entered initial information from more than 500 questionnaires into the electronic database. Jean Krul, Yaqin Li, and Courtney Stirling entered the corrections and updated information, and we are grateful for their patience and thoroughness. Annette Burgess created the maps used in the introduction. Donna O'Neill designed the layout and the cover.

We would also like to thank the many people whose comments and advice helped us develop the format for the questionnaire and database, as well as those who reviewed the introduction and helped us interpret the statistics.

Funding support was provided by the U.S. Environmental Protection Agency, Rhode Island Sea Grant (NOAA), the University of Rhode Island, and Citizens Bank.

Steven Hubbell

Texas Watch representative observes a student monitor on the Rio Grande.

Bill Brinson

Students with the Rivers Curriculum Project participating in a water quality study.

INTRODUCTION

Since the publication of the first edition in September 1988, the *National Directory of Volunteer Environmental Monitoring Programs* has been a valued resource for networking and information sharing. Established volunteer monitoring groups have turned to the directory to locate other groups facing similar challenges, while those new to monitoring have used it as a source for models of successful programs.

The first edition was a slim pamphlet listing 44 monitoring programs in 24 states. With each successive edition, the directory has grown and become more comprehensive. This fourth edition, which includes 517 groups in 45 states plus the District of Columbia, clearly demonstrates the growth of the volunteer monitoring movement—and not only in terms of numbers. Volunteer environmental monitors are also collecting increasingly sophisticated data and making substantial contributions to scientific research, resource management, and local advocacy.

This fourth edition represents a much more ambitious undertaking than earlier editions, in several ways: A standardized survey questionnaire was developed to gather detailed information on monitoring programs; the survey was mailed to a much larger audience than ever before; and, for the first time, the data were catalogued in an electronic database.

Historically, good quantitative data on the nature and extent of volunteer monitoring activities has been scanty or nonexistent. The directory questionnaire and database were specifically designed to yield statistics to fill that gap. The results portray a diverse, widespread, rapidly growing volunteer monitoring movement that is composed mainly of small grassroots efforts. These programs cite education as the number one use of their monitoring data and report that local and state decision makers increasingly use the information gathered by volunteers.

In interpreting the statistics that follow, bear in mind that undoubtedly there are some programs that are not included in this directory and the data are only as good as the responses given on the survey forms. Some respondents left some questions unanswered or provided a qualitative response when the questionnaire called for quantitative information. Therefore, many of the statistics are not based on the entire database but include only those programs that provided a complete response in a given category.

Growth of the volunteer monitoring movement

New volunteer monitoring programs are forming at an impressive and increasing rate (see Figure 1). Three-hundred-thirty-eight programs, or 65% of those in the directory, were founded between 1988 and 1992, with more than half founded in 1990 or later. There were almost three times more programs formed in 1992 than were founded in 1988. It is impossible to assess whether this trend continued into 1993 since the survey was mailed early in the year.

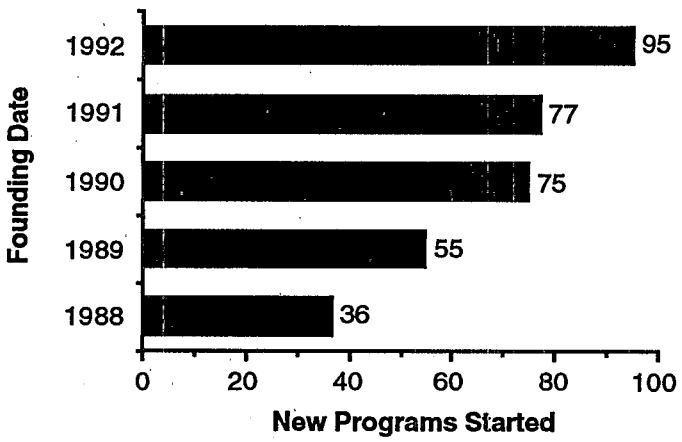


Figure 1. Volunteer monitoring programs founded between 1988 and 1992. *Note that the directory also includes 129 programs founded before 1988, and 36 that started in 1993 (only a partial count since the survey was mailed early in 1993).*

Geographical distribution of volunteer monitoring

The 517 monitoring programs included in this directory are spread throughout 45 of the 50 states, plus the District of Columbia (see Figure 2). There is a wide range in the number of programs per state. Seven states include more than 20 programs, with Virginia and Washington in the lead (39 and 37 programs, respectively), followed by Pennsylvania (34 programs) and New York (33). At the other end of the scale, five states have just one program listed in the directory, and there were another five (Hawaii, Nevada, Utah, Wyoming, and Nebraska) from

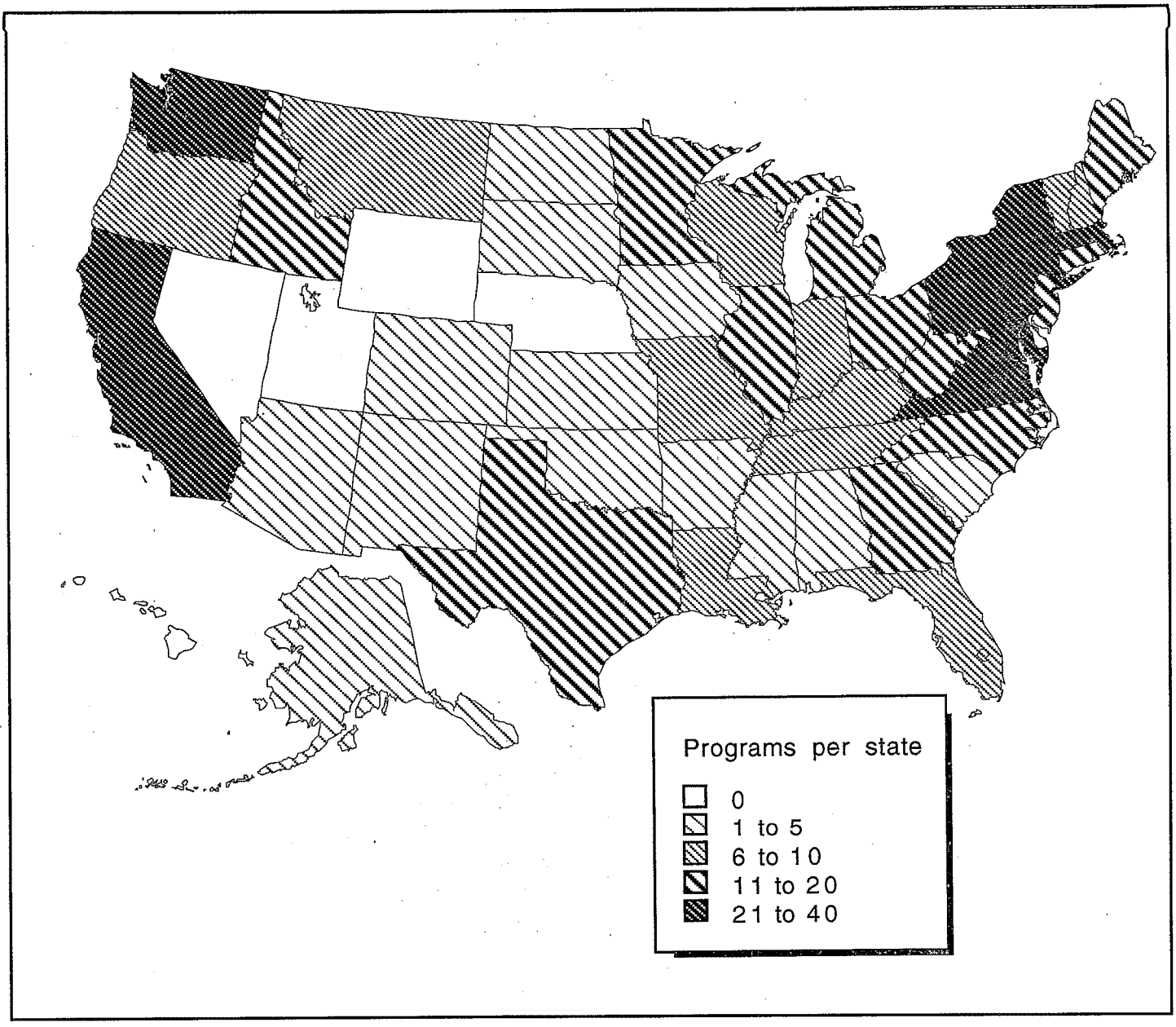


Figure 2. Number of monitoring programs by state.

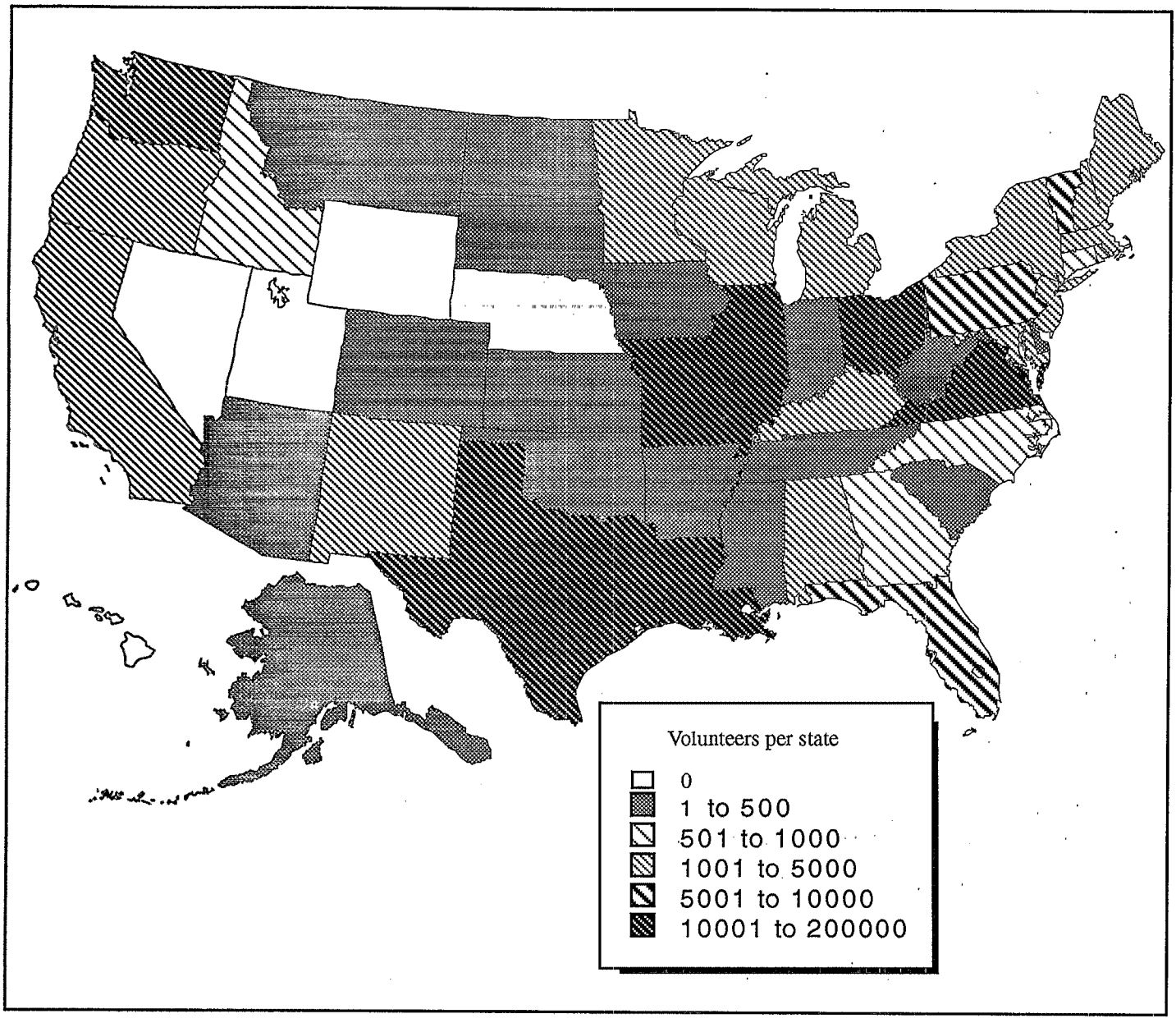


Figure 3. Number of volunteers by state.

which no surveys were returned. Monitoring programs are particularly numerous along the East Coast, around the Great Lakes, and in California, Washington, and Texas.

Another way to analyze the geographical distribution of volunteer monitoring is to look at the number of volunteers in each state. The programs in this directory include a total of 347,313 volunteers, who are distributed among the states as shown in Figure 3. Virginia tops the list with 169,296 volunteers in 37 programs, followed by Texas (33,912 volunteers in 16 programs), Illinois (29,850 volunteers in 12 programs), Louisiana (25,085 volunteers in 6 programs), and Washington (12,763 volunteers in 39 programs).

Because each state's situation is different, only limited generalizations can be made based on these geographical data. For example, Louisiana's annual statewide cleanup (Keep Louisiana Beautiful), which involves 25,000 volunteers, obviously has a major impact on the reported number of volunteers for Louisiana. Similarly, the number of monitoring programs in a state is not always proportional to the amount of monitoring activity in that state. One state may have a large statewide program involving hundreds of volunteers and sites while another may have a large number of small programs representing relatively few volunteers. The surest way to obtain an accurate picture of the amount and type of monitoring activity in any state is to review the individual program descriptions in the directory.

TABLE 1. Program size

Number of volunteers	Number of programs
0 - 5	47 (10%)
6 - 10	73 (15%)
11 - 20	111 (23%)
21 - 50	95 (20%)
51 - 100	54 (11%)
101 - 250	43 (9%)
251 - 500	19 (4%)
501 - 1,000	11 (2%)
> 1,000	25 (5%)

(Based on responses from 478 programs)

Program size

The number of volunteers per program tends to be fairly small—the median program size is 25 volunteers. One-quarter of the programs have 10 or fewer volunteers, and 70% have 100 or fewer (see Table 1). This small size underscores the local, grassroots nature of most volunteer monitoring activities. The few programs with more than 1,000 volunteers are mostly statewide, regional, or national monitoring networks, or programs that organize large cleanup efforts.

Working with schools

A large number of programs in the directory indicated some level of involvement with schools: 67% work with middle and high school students, 41% with elementary students, and 35% with colleges (the percentages add up to more than 100 because many programs work with more than one school category). Moreover, a closer examination of the entries in the directory reveals that a substantial number of monitoring programs are completely school-based, with all the monitoring performed by students and teachers. School-based monitoring appears to be one of the fastest-growing elements of the volunteer monitoring movement—not surprisingly, since monitoring projects offer excellent opportunities for students not only to do hands-on science but also to become involved in community issues.

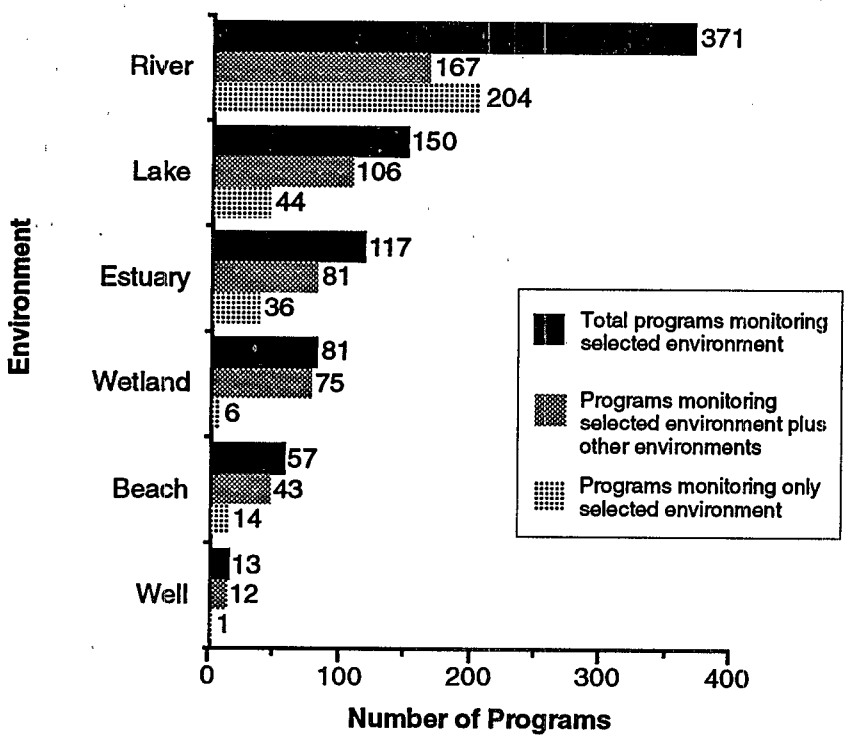


Figure 4. Number of programs sampling each environment. *The numbers add up to more than 517 because many programs monitor more than one environment.*

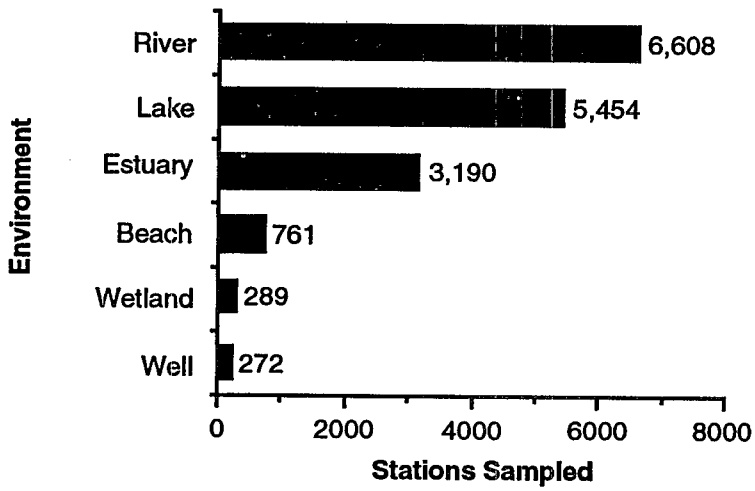
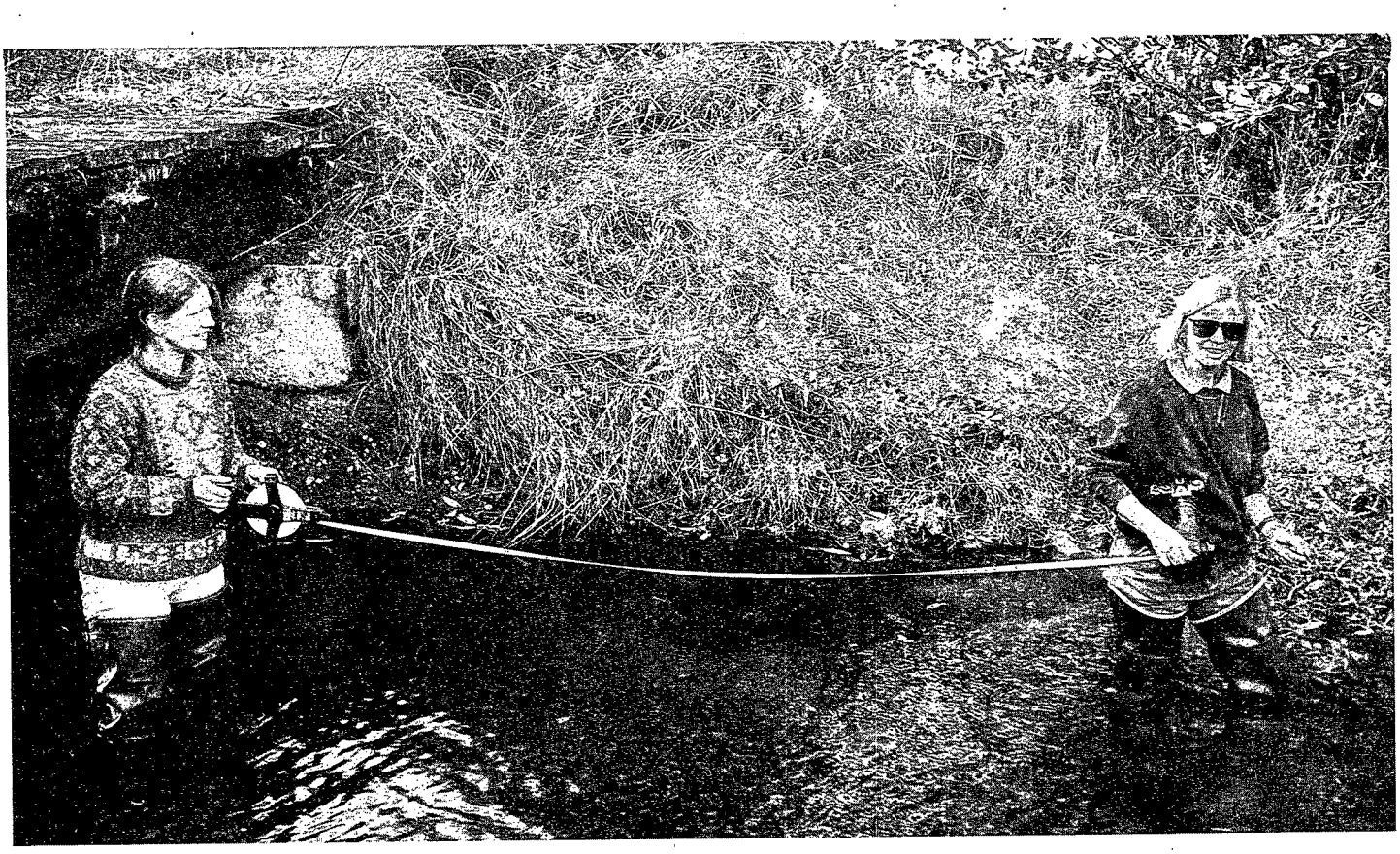


Figure 5. Number of stations sampled for each environment. *Based on responses from 317 programs.*

Eleanor Ely



Streamwalk volunteers in Washington State measure the distance between riffles.

Environments monitored

In the past, volunteer monitoring programs tended to specialize in monitoring one specific type of water body. This pattern is changing as more and more volunteer programs are taking a whole-watershed approach to monitoring—for example, evaluating a lake in conjunction with its tributaries, outlet streams, and associated wetlands. Of the 517 programs in the database, 195, or 38%, monitor more than one water body type.

Rivers are monitored by the largest number of programs—nearly three-quarters of all programs in the directory include river monitoring among their activities (see Figure 4). Lakes follow (monitored by 29% of programs), with estuaries close behind (23%). Relatively few programs monitor wetlands, beaches, or wells. This emphasis on rivers, lakes, and, to a lesser extent, estuaries is also characteristic of nonvolunteer surface water monitoring nationwide. Monitoring of wetlands and wells may increase in the future, as states and localities concentrate on nonpoint source pollution control.

Programs were also asked to report the number of stations sampled for each environment. Programs that do not have established monitoring stations were not able to furnish this information; however, the 317 programs that did answer this question monitor approximately 16,000 stations nationwide (see Figure 5). The data on stations monitored provide some interesting insights on the distribution of volunteer

TABLE 2. Parameter ranking

Parameter	Number of programs
1. Water temperature	377
2. pH	313
3. Dissolved oxygen	296
4. Macroinvertebrates	259
5. Debris cleanup	218
6. Habitat assessments	211
7. Nitrogen	205
8. Phosphorus	202
9. Turbidity	192
10. Coliform bacteria	184
11. Secchi depth	177
12. Aquatic vegetation	173
13. Flow	157
14. Birds/wildlife	152
15. Fish	150
16. Watershed mapping	138
17. Rainfall	131
18. Photographic surveys	129
19. Salinity	101
20. Sediment assessments	100
21. Alkalinity	98
22. Pipe surveys	96
23. TSS/TDS	91
24. Construction site inspections	81
25. BOD	75
26. Hardness	71
27. Chlorides	62
28. Chlorophyll *a*	60
29. Metals	56
30. Pesticides	24 (tie)
31. Other bacteria	24 (tie)
32. Hydrocarbons	14

monitoring activity. Even though there are more than twice as many programs monitoring rivers as lakes (as shown in Figure 4), the number of stations monitored for lakes is only slightly less than the number for rivers. The most likely explanation for this finding is that many lake programs are statewide or regionwide efforts (often run by state water quality agencies) that sample a large number of lakes per program.

It would be interesting to compare the number of volunteers monitoring each environment. Unfortunately this cannot be done using the survey data, since the reported numbers of volunteers are for the program as a whole yet many programs monitor two or more different environments. Any attempt to calculate the total number of volunteers monitoring a single water body type would double-count the volunteers from those programs.

Parameters monitored

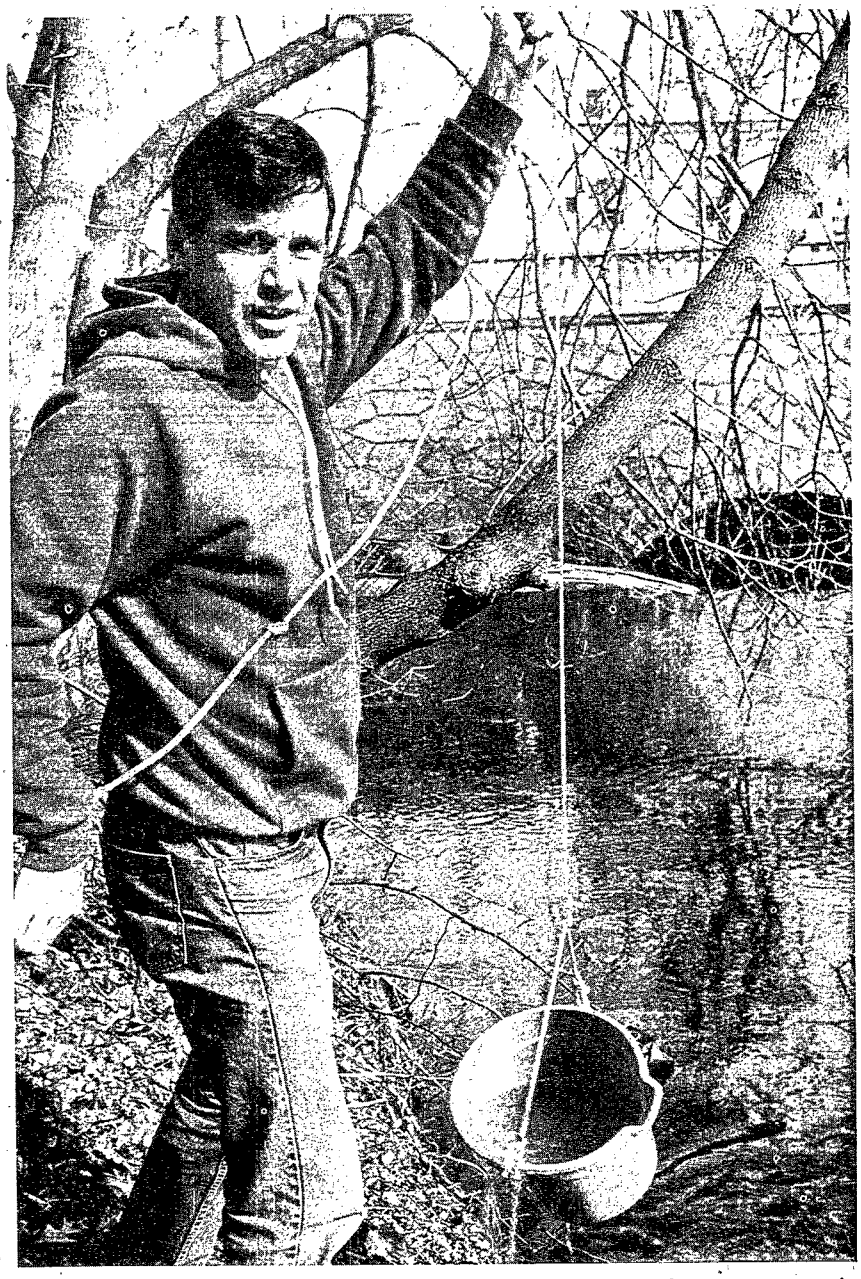
Table 2 shows the total number of programs that monitor each of the 32 specific parameters listed on the survey form. In order to characterize and compare the types of monitoring performed on different types of water bodies, we also separated out and examined specifically those programs that monitor just a single water body type—either rivers only (204 programs), lakes only (44 programs), or estuaries only (36 programs). The top eight parameters tested for each of these three water body types are shown in Table 3.

In view of the large number of programs that monitor rivers (72%; see Figure 4), it is not surprising that the overall parameter rankings shown in Table 2 tend to mirror the parameters tested most often in rivers. Thus, the top four parameters listed in Table 2—temperature, pH, dissolved oxygen, and macroinvertebrates—are the same as the top four monitored by the rivers-only programs.

In general, the parameter rankings for the different water body types (Table 3) follow logically from the most common water quality concerns associated with each system. Rivers have historically been affected by, and regulated for, point sources of organic, oxygen-consuming waste. Dissolved oxygen, BOD, temperature, flow, and nitrogen are typically included in monitoring studies designed to assess these problems. All of these parameters, except BOD, are among the top eight tested by the rivers-only monitoring programs.

The most common concern in lakes is nutrient overenrichment, which results in accelerated eutrophication. Secchi depth, temperature, chlorophyll *a*, dissolved oxygen, and phosphorus are the parameters most widely used to characterize trophic status in lakes; these are also the parameters most frequently tested by volunteer programs monitoring lakes. Two other common lake problems are acidification,

TABLE 3. Top eight parameters monitored for specific environments
Rivers only (204 programs)
1. Temperature (169)
2. Macroinvertebrates (151)
3. pH (141)
4. Dissolved oxygen (118)
5. Debris cleanup (95)
6. Flow (91)
7. Habitat assessments (90)
8. Nitrogen (89)
Lakes only (44 programs)
1. Secch depth (39)
2. Temperature (26)
3. Phosphorus (23) (tie)
4. Chlorophyll *a* (23) (tie)
5. Dissolved oxygen (17)
6. pH (15)
7. Turbidity (13)
8. Coliform bacteria (12)
Estuaries only (36 programs)
1. Temperature (33)
2. Dissolved oxygen (30) (tie)
3. Salinity (30) (tie)
4. pH (23)
5. Secchi depth (22)
6. Rainfall (14)
7. Nitrogen (13) (tie)
8. Coliform bacteria (13) (tie)



Meg Kerr

Rhode Island River Rescue volunteer prepares to collect a surface water sample.

which can be caused by acid precipitation or mine drainage, and bacterial contamination of swimming beaches, which leads to public health concerns. Volunteer programs assess these problems by monitoring, respectively, pH and coliform bacteria.

Estuaries are commonly monitored by measuring salinity, temperature, dissolved oxygen, and nitrogen. Whereas phosphorus is generally the limiting nutrient in fresh water, nitrogen is usually limiting in salt water. These same four parameters rank high for volunteer estuary monitoring programs. Coliform bacteria are of particular importance in estuaries because coliform levels determine which areas are safe for shellfishing.

Izaak Walton League of America

Demonstrating the use of a kick net to collect macroinvertebrates at an Izaak Walton League Save Our Streams training session.

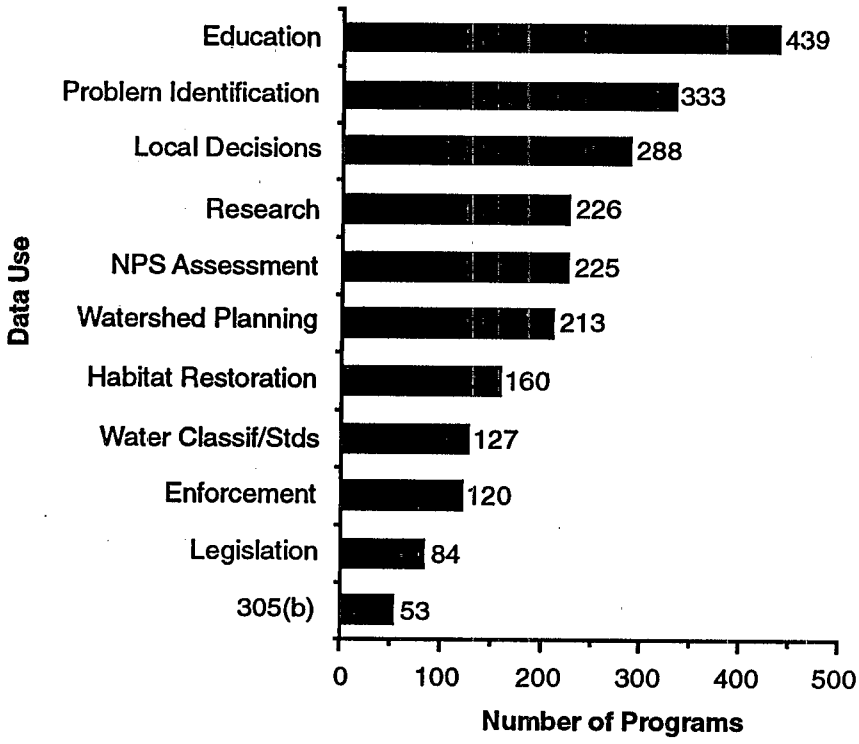


Figure 6. Data uses.

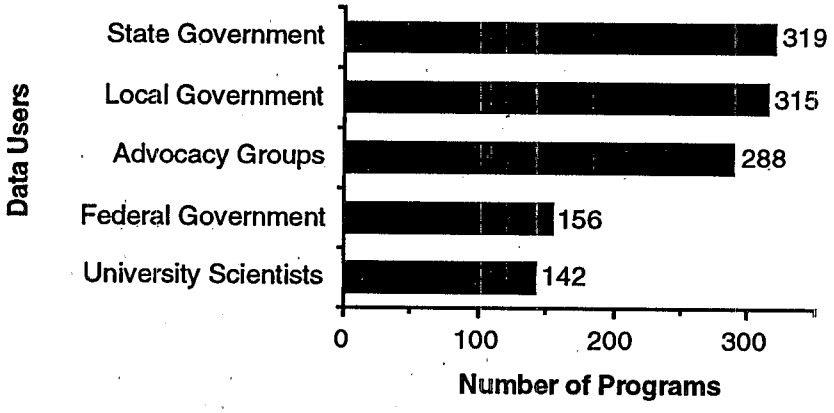


Figure 7. Data users.

The parameter rankings reveal that a large number of volunteer monitoring programs are using biological assessment methods. Half the total programs in the directory (and three-quarters of the programs that monitor rivers only) monitor macroinvertebrates. Aquatic vegetation is monitored by 33% of total programs, fish by 29%, and birds and wildlife by 29% (Table 2). It is likely that in the future volunteer monitoring programs will incorporate biological assessments to an even greater extent as they address diffuse nonpoint source pollution problems. The current emphasis at the federal and state levels on development of biological criteria will also encourage volunteers to learn and practice biological methods of monitoring.

Metals, pesticides, and hydrocarbons are expensive to test and accordingly are among the least frequently monitored parameters. However, volunteer activities such as watershed surveys and fish and macroinvertebrate monitoring provide screening tools that can indicate the presence and impacts of toxic discharges.

Uses of volunteer monitoring data

Responses to the survey question about data use confirm that volunteer monitoring has a major impact at the local level (see Figure 6). The most common use of monitoring data (selected by 85% of programs) is education—building public awareness about natural resources and the threats they face. Two other local activities, problem identification (watchdogging problems in the water and watershed) and local decision making, are the next most frequent uses, followed by research, nonpoint source assessments, watershed planning, and habitat restoration.

Many of the data uses indicated by respondents are state-level uses—for example, development of water quality standards (127 programs in 35 states), passage of environmental legislation (84 programs in 30 states), and enforcement (120 programs in 34 states). Fifty-three programs from 27 states provide data to their state for use in the state's biennial 305(b) report ("the state of the state's waters") to EPA and Congress. These statistics demonstrate government agencies' growing recognition of the value of volunteer monitoring data.

Who uses the data

In order to determine who (besides the volunteer programs themselves) uses volunteer monitoring data, the survey asked respondents to identify which of five categories of groups used their data. State and local government virtually tied as leading users of volunteer data, with advocacy groups a close third (see Figure 7).

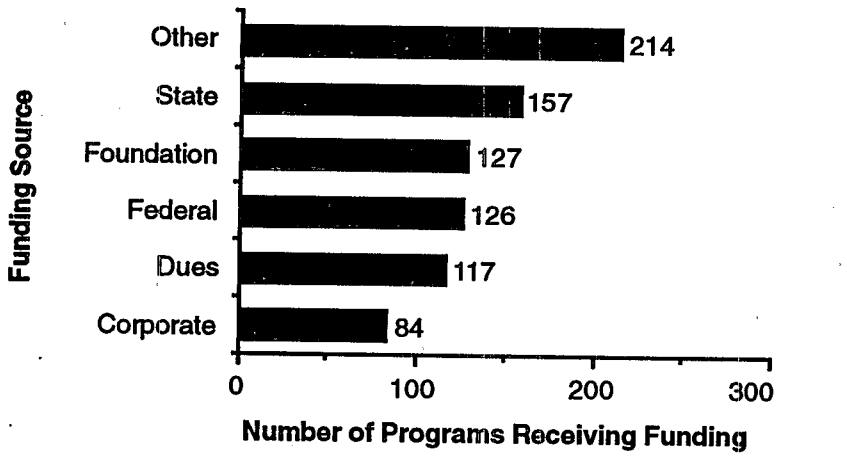


Figure 8. Funding by source. *Based on responses from 500 programs.*

Funding

Annual budgets range from zero to $500,000. On the whole, volunteer monitoring lives up to its reputation as a low-cost proposition; the median annual budget is $4,000, and 63% of the programs report budgets of $10,000 or less (see Table 4). In fact, the reported figures may overestimate the actual cost of monitoring, since a number of respondents noted that they had difficulty separating out monitoring costs from other organizational costs.

TABLE 4. Annual budget

Annual budget	Number (%) of programs
$0	61 (13%)
$1 - 1,000	118 (26%)
$1,001 - 10,000	113 (24%)
$10,001 - 50,000	107 (23%)
>$50,000	64 (14%)

(Based on responses from 463 programs)

The survey listed six choices for funding sources—state, federal, corporate, foundation, dues, and other. Figure 8 shows the total number of programs receiving funding from each source.

The category "other" was selected most often—214 programs, or 43%, receive funding from "other" sources. A number of respondents noted specific sources for this category; these included local governments (i.e., town, city, or county), school districts, local businesses, service clubs, community groups, member contributions, in-kind donations, and fundraising events. This reliance on local community sources reflects the grassroots nature of most volunteer monitoring projects.

Government at all levels emerges as a significant source of funding for volunteer monitoring, especially considering that the category "other" includes local government. Some specifically named sources of federal funding were: U.S. Environmental Protection Agency via Clean Water Act and Environmental Education grants; U.S. Department of Agriculture (USDA); National Oceanic and Atmospheric Administration (NOAA) via Sea Grant and National Estuarine Research Reserves; and the National Park Service.

It is interesting that state government ranks high both as a user of volunteer data and as a funding source for volunteer programs. These results suggest that one reason states are willing to support volunteer monitoring is that they find volunteer data useful in watershed planning and assessment of pollution sources.

Eleanor Ely

Fifth-graders on board research vessel Crago *test San Francisco Bay Delta sediments.*

Conclusion

Volunteer monitoring has become a groundswell of creative activity that is adding a powerful dimension to environmental protection. It is an opportunity for individuals to take personal responsibility for their local environment, to take informed action to make a difference in their community. We expect that the role for volunteers monitoring the health of our nation's aquatic habitats will continue to expand over the next several years as water resource managers increasingly focus on nonpoint source pollution, integrated watershed management, and public involvement.

How the directory survey was conducted

A draft of the survey questionnaire was test-mailed to 10 monitoring program coordinators in December 1992 and revised in response to their comments. In January 1993, the final questionnaire (reproduced below) was mailed to everyone on the mailing list for *The Volunteer Monitor* newsletter (nearly 8,000 names).

Over 700 questionnaires were returned. Duplicate surveys were eliminated, as were those from groups not engaged in monitoring and those that represented individual volunteers rather than organized groups. Respondents were contacted by

Name of person completing questionnaire: _____

Program name: _____ Founding year: _____

Program coordinator: _____

Affiliation (if you are part of a larger monitoring network): _____

Mailing address:

_____ Phone: (_____)_____

_____ FAX: (_____)_____

_____Zip _____ Inter Net :_____

In answering the following questions, please refer only to the portion of your program devoted to volunteer environmental monitoring

Staff _____ # Active Volunteers _____ Approx. annual budget $ _____

Funding breakdown (list percentages). Please list names of specific funding sources (e.g. CWA Sec. 314 grant, Jones Foundation).

____% state ____% federal ____% corporate ____% foundation(s) ___% dues ____% other

Uses of collected data (please check where applicable)

___ 305(b)
___ Watershed planning
___ Local decision making
___ Research
___ Nonpoint assessment
___ Watchdogging
___ Education
___ Habitat restoration
___ Water classification/Standards
___ Enforcement
___ Legislation

Other (please specify): _____

What types of organizations are using your data? (please check)

___ Local government
___ Advocacy groups
___ State government
___ University scientists
___ Federal government

Other (please specify): _____

Does your program work with schools? Y N

Please check the applicable levels: ____ Elem. ___ Middle/High ____ College

phone to clarify information on the survey forms. Initial printouts of groups in each of the 10 EPA regions were sent to EPA regional volunteer monitoring coordinators and reviewed by them for completeness.

More than 500 questionnaires were entered into the database. A report format was designed for summarizing the information for each program, and in July 1993 printed reports were mailed back to program coordinators for review, updating, and corrections. Over 225 were returned with changes, and the new information was entered into the database.

Please list the **number of stations** monitored in each of the following environments. If your program does not have monitoring stations, simply check the types of environments covered by your program.

____ Estuary/Marine ____ Beaches _____ Wells ___ Wetland

____ Lake/Pond/Reservoir (Total number of lake/pond/reservoirs in program _____)

____ River/Stream (Total number of river/streams in program _____)

Other (please specify): _____

Number of months in your program's regular sampling season: _____

Please provide the following information on monitoring frequency and parameters sampled during the sampling season by a **typical** volunteer in your program. Place the frequency code by as many parameters as apply. If this frequency is irregular or variable within your program, simply check those parameters that are monitored. Use the following frequency codes:

D	Daily	**Q**	Quarterly
W	Weekly	**S**	Semiannually (twice a year)
BW	Biweekly (every other week)	**A**	Annually
M	Monthly	**x**	irregular schedule
BM	Bimonthly (every other month)		

Physical/Chemical Parameters

___ Water temp.	___ Nitrogen	___ Dissolved oxygen	___ Salinity
___ pH	___ Phosphorus	___ Secchi transparency	___ Metals
___ Hardness	___ TSS/TDS	___ Alkalinity	___ Hydrocarbons
___ Turbidity	___ BOD	___ Flow	___ Pesticides
___ Chlorides			

Biological Parameters

___ Chlorophyll	___ Invertebrates	___ Coliform bacteria	___ Other bacteria
___ Aquatic vegetation	___ Fish	___ Birds/Wildlife	

Other Parameters

___ Debris cleanup	___ Pipe surveys	___ Construction site inspections
___ Rainfall	___ Watershed mapping	___ Habitat assessment/survey
___ Photographic survey	___ Sediment assessment	

Others_____

Optional: Please write a brief narrative description of your program on a separate page.

Mary K. Talbot

Two Rhode Island River Rescue volunteers remove debris from an urban river in Providence.

Mary K. Talbot

ALABAMA

Alabama Coastal Cleanup

Phillip Hinesley/Coastal Programs
10936-B U.S. Highway 98
Fairhope, AL 36532

Phone: 205-928-3625
FAX: 205-928-9792

Program Administration

Program Coordinator(s): Phillip Hinesley
Program Affiliate(s): International Beach Cleanup
Year Founded: 1988 Staff: 1.5 Active Volunteers: 3,500

Total Funding

Approx. Annual Budget: $ 26,500

Percent Funding By Source

State: 15 Foundation: 10 Dues: 0
Federal: 15 Corporate: 60 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	NA	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

During the 5th annual Alabama Coastal Cleanup on September 19, 1992, 3,432 volunteers cleaned 87 miles of beach, picking up 43,091 pounds of debris. The success of the cleanup can be attributed to the dedication of the volunteers, zone captains, businesses, corporations, government agencies, and the Center for Marine Conservation. The cleanup is jointly coordinated by the Alabama Department of Economic and Community Affairs Coastal Program Office and the Alabama Department of Environmental Management.

The majority of the funding comes from offshore operators such as Shell, Mobil, Exxon, BP, and others.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable. √ - Applicable, but number not given

Alabama Water Watch

ADEM / Water Division
1751 Dickinson Drive
Montgomery, AL 36130

Phone: 205-271-7938
FAX: 205-271-7950

Program Administration

Program Coordinator(s): Patricia Hurley
Program Affiliate(s): Auburn University / Alabama DEM / Troy State University
Year Founded: 1993 Staff: 1.5 Active Volunteers: 70

Total Funding

Approx. Annual Budget: $ 100,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 60 Corporate: 0 Other: 40

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	62	
■ Lake/Pond/Reservoir	15	3
■ River/Stream	35	10
□ Beaches		
□ Wells		
■ Wetlands		

Notes

Alabama Water Watch is the tentative name of a statewide water quality monitoring network that is being developed by the Alabama Department of Environmental Management, U.S. EPA, Troy State University, and Auburn University. Funding for this network comes primarily from an NPS (Section 319) grant.

A formal association is being formed this year. Bylaws, officers, etc. will be finalized by November 1993.

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	M
Hardness	M	Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	M
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M [2]
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity	M	Pipe Surveys	M
Flow		Watershed Mapping	M
Salinity	M	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	M

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Baywatch

Baywatch MESC
P.O. Box 369-70
Dauphin Island, AL 36528

Phone: 205-861-7522
FAX: 205-861-4646

Program Administration

Program Coordinator(s): George Crozier
Program Affiliate(s):
Year Founded: 1991 Staff: .8 Active Volunteers: 40

Total Funding

Approx. Annual Budget: $ 43,000

Percent Funding By Source

State: 5 Foundation: 0 Dues: 0
Federal: 93 Corporate: 2 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	30	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	W	Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Cahaba River Society's Riverwatch

Cahaba River Society
2717 7th Ave. South, Suite 205
Birmingham, AL 35233

Phone: 205-322-5326
FAX: 205-324-8346

Program Administration

Program Coordinator(s): Randall C. Haddock
Program Affiliate(s):
Year Founded: 1992 Staff: 1.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 50 Dues: 25
Federal: 0 Corporate: 0 Other: 25

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	12	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides	X	Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lake Watch of Lake Martin

Lake Watch of Lake Martin
P.O. Box 72
Alexander City, AL 35010

Phone: 205-825-9353
FAX:

Program Administration

Program Coordinator(s): Richard M. Bronson
Program Affiliate(s): Auburn University/Alabama Dept. of Env. Mgmt. (ADEM)
Year Founded: 1992 Staff: 4.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 75
Federal: 0 Corporate: 0 Other: 25

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	10	1
■ River/Stream	5	5
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness	M	Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD	M	Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity	M	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

4-H Water Watch

4-H Water Watch
9411 Long Run Dr.
Juneau, AK 99801

Phone: 907-789-5796
FAX:

Program Administration

Program Coordinator(s): Jim Leet
Program Affiliate(s): Alaska Water Watch
Year Founded: 1992 Staff: 0.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Alaska Department of Environmental Conservation provides test kits. No other aspects of the program require funds.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	6	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Center for AK Coastal Studies, Coastwalk Program

Center for Alaskan Coastal Studies
P.O. Box 2225
Homer, AK 99603

Phone: 907-235-6667
FAX:

Program Administration

Program Coordinator(s): Penny Hodges
Program Affiliate(s):
Year Founded: 1981 Staff: 1.0 Active Volunteers: 250

Total Funding

Approx. Annual Budget: $ 2,500

Percent Funding By Source

State:	0	Foundation:	0	Dues:	50
Federal:	0	Corporate:	0	Other:	50

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	6	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	30	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	A
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	A
BOD		Debris Cleanup	A
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

Notes

The Center for Alaskan Coastal Studies sponsors an annual Coastwalk in which 200 to 300 volunteers from Homer and other Alaskan communities walk 135 miles of coastline around Kachemak Bay, observing the condition of the beaches. Data on land and sea mammals, birds, and intertidal life are noted, as well as signs of human use, including type and quantity of litter, historic landmarks and prehistoric archeological sites. Data are tabulated on a computer database and are available for public use.

In addition to recording useful data, participants actively contribute to the quality of the beaches by picking up plastic debris and other types of litter. The Center's office in Homer has educational materials available on the marine debris problem, including activities suitable for the classroom. These materials are made available to the schools and the public through the Center's lending library.

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NA - Not Available or Not Applicable √ - Applicable, but number not given

Citizens for Clean Water

Dept. of Environmental Conservation
410 Willoughby Ave.
Juneau, AK 99801-1795

Phone: 907-465-5307
FAX: 907-465-5274

Program Administration

Program Coordinator(s): Bill Janes
Program Affiliate(s): Alaska Water Watch
Year Founded: 1991 Staff: 1.3 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ 85,000

Percent Funding By Source

State: 10 Foundation: 0 Dues: 0
Federal: 90 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- □ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	6	6
■ River/Stream	50	11
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	X
Hardness	X	Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

Alaska Water Watch is a statewide umbrella organization for "hands-on" aquatic stewardship activities. Compatible programs across the state are joined in a partnership. An Interagency Memorandum of Understanding (MOU) formalizes the partnership between three state resource agencies: The Alaska Departments of Environmental Conservation (ADEC), Natural Resources (ADNR), and Fish and Game (ADFG). Citizens for Clean Water is the name of the ADEC volunteer program affiliated with Alaska Water Watch. Monitoring is the principal activity of the program volunteers. In addition to monitoring, other themes include education, maintenance and restoration, and pollution prevention. These themes provide an "awareness to action" philosphy which leads to comprehensive environmental stewardship.
Federal funding is through a Clean Water Act Section 314 grant (20%) and a Section 319 grant (80%).

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NA - Not Available or Not Applicable √ - Applicable, but number not given

Hassayampa River Preserve

Hassayampa River Preserve
P.O. Box 1162
Wickenburg, AZ 85358

Phone: 602-684-2772
FAX:

Program Administration

Program Coordinator(s): Val Little
Program Affiliate(s): The Nature Conservancy
Year Founded: 1987 Staff: 4.0 Active Volunteers: 3

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 10 Dues: 50
Federal: 0 Corporate: 10 Other: 30

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Hassayampa River Preserve protects a number of endangered species of fishes and other wildlife. Its monitoring program is directed toward preservation of these populations and control of exotic species.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	1	1
□ Beaches		
□ Wells		
■ Wetlands	1	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	Q
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

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NA - Not Available or Not Applicable √ - Applicable, but number not given

S. M. C. C. - Students Monitoring Cave Creek

16837 N. Sourdough Pl.
Fountain Hills, AZ 85268

Phone: 602-837-1563
FAX:

Program Administration

Program Coordinator(s): Janet Eubanks/Jeff Griswold
Program Affiliate(s):
Year Founded: 1992 Staff: 2.0 Active Volunteers: 160

Total Funding

Approx. Annual Budget: $ 600

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Students from two high schools—Fountain Hills and North Canyon—are involved in this project. Data are used by Tonto National Forest.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	6	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness	M	Aquatic Vegetation	M
Turbidity		Macroinvertebrates	Q
Chlorides	A	Fish	
Nitrogen	M	Coliform Bacteria	A
Phosphorus	A	Other Bacteria	
TSS/TDS	A	Birds/Wildlife	
BOD		Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	A
Alkalinity	A	Pipe Surveys	
Flow	M	Watershed Mapping	
Salinity	A	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Santa Cruz River Intensive Study

AZ Dept. Environmental Quality
400 W. Congress, Suite 433
Tucson, AZ 85701

Phone: 602-628-6739
FAX: 602-628-6745

Program Administration

Program Coordinator(s): Lin Lawson/Melinda Longsworth/Sherry Sass
Program Affiliate(s): Arizona Department of Environmental Quality
Year Founded: 1992 Staff: 2.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 34,000

Percent Funding By Source

State: 95 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 5

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	4	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness	M	Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	M
Chlorides	M	Fish	M
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	M
TSS/TDS	M	Birds/Wildlife	
BOD	M	Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	M
Alkalinity	M	Pipe Surveys	
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	
Metals	M	Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Santa Cruz River Intensive Study is a yearlong study to assess the status and the changes in water quality and biotic communities over distance and time of an effluent-dominated water. Data will be used to (1) determine if current designated uses are correct, (2) determine more accurately the length of the effluent-dominated water reach, (3) delineate zones of pollution, and (4) provide information to local citizens and government agencies concerned about the safety of recreational water use. The study will help to fill an information gap related to effluent-dominated waters in arid environments and provide data for calculating future physical, chemical, and biological water quality standards.

The volunteers who are collecting the data are members of the Friends of the Santa Cruz River.

Funding is provided by the ADEQ, Arizona State Parks, and Santa Cruz County Health Department, with non-monetary assistance from Arizona Game and Fish and the International Boundary and Water Commission.

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NA - Not Available or Not Applicable √ - Applicable, but number not given

Arkansas Water Education Team (WET)

Arkansas Water Education Team
P.O. Box 8913
Little Rock, AR 72219-8913

Phone: 501-562-7444
FAX: 501-562-4632

Program Administration

Program Coordinator(s): Gregg Patterson
Program Affiliate(s):
Year Founded: 1991 Staff: 1.0 Active Volunteers: 120

Total Funding

Approx. Annual Budget: $ 100,000

Percent Funding By Source

State: 10 Foundation: 80 Dues: 0
Federal: 10 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

Over the next five years, Arkansas WET plans to bring 100 schools into the program. Schools can choose to monitor rivers, wetlands, or lakes. WET also plans to work with citizen groups. The program's primary goal is education.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	1	1
■ River/Stream	16	15
□ Beaches		
□ Wells		
■ Wetlands	1	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	M
Turbidity	M	Macroinvertebrates	M
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	M	Pipe Surveys	
Flow	M	Watershed Mapping	A
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	M

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Ozark Society Adopt-A-River Program

Ozark Society
P.O. Box 2914
Little Rock, AR 72203

Phone: 501-377-3577
FAX: 501-377-3599

Program Administration

Program Coordinator(s): Paul Means
Program Affiliate(s):
Year Founded: 1992 Staff: 0.0 Active Volunteers: 52

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Ozark Society Adopt-A-River program is a volunteer program for monitoring the condition of streams and lakes in the Arkansas, Louisiana, Missouri, and Oklahoma region. The primary duty of a volunteer is to keep an eye on his or her adopted river. Volunteers are asked to float or walk their stream at least twice a year to look for signs of pollution or environmental degradation. When problems are identified, the Ozark Society will contact the appropriate regulatory agency and push for agency action. Volunteers can be individuals, organizations, or school classes.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	1	1
■ River/Stream	12	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	S
Turbidity	S	Macroinvertebrates	S
Chlorides		Fish	S
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	S
BOD		Debris Cleanup	S
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	S	Watershed Mapping	
Salinity		Sediment Assessments	S
Metals		Site Inspections	S
Hydrocarbons		Habitat Assessments	S

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

SCOPE Water Monitoring

Scott Cnty. Org. to Protect the Env.
P.O. Box 88
Parks, AR 72950

Phone: 501-637-4471
FAX:

Program Administration

Program Coordinator(s): Al Brooks
Program Affiliate(s):
Year Founded: 1992 Staff: 0.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 50
Federal: 50 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	6	6
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	A
Turbidity		Macroinvertebrates	M
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	A
Salinity		Sediment Assessments	M
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

Notes

The Scott County Organization to Protect the Environment (SCOPE) was founded to promote conservation and recycling. It then joined the Ouachita Watch League (OWL), a coalition dedicated to reform of management practices on our national forest. Some members took part in the OWL "Eyes on the Forest" program which monitors logging and related activities in the forest.

The group realized that these activities had an impact on the rivers and streams and that no baseline data existed for the watersheds in Scott County. In May 1992, SCOPE organized a water monitoring conference and started actual monitoring.

SCOPE reports to and has received support from the following agencies: USDA Forest Service, Ouachita Forest Service, Arkansas Department of Pollution Control and Ecology, Oklahoma Water Resources Board, and the Eco-Law Institute. A U.S. Forest Service cost-share grant was used to purchase equipment.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

4-H Watershed Project

4-H Watershed Project, UCCE
2156 Sierra Way, Suite C
San Luis Obispo, CA 93401

Phone: 805-781-5940
FAX: 805-781-4316

Program Administration

Program Coordinator(s): Judy Neuhauser
Program Affiliate(s):
Year Founded: 1992 Staff: 1.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 50

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	10	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	A
Chlorides		Fish	W
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	W
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	W	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The watershed project was initiated in response to questions concerning the flow in Chorro Creek. Flow measurement devices were installed along the length of the creek and in the lower reaches of its major tributaries.

This has been a tremendous cooperative effort. The 4-H Watershed Education Project Coordinator recruited, trained and coordinated all volunteer monitors. The California Conservation Corps installed the weirs for flow monitoring. The California Department of Fish and Game built the V-notch weirs and provided technical assistance in monitoring techniques.

Two local 4-H clubs, local middle school students, and a low-income housing project youth group helped install the weirs, sampled for aquatic insects, and formed teams that collected weekly readings.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Blue Water Task Force - Monterey County

Surfrider Foundation, Monterey Co. Chapter
P.O. Box 1410
Carmel Valley, CA 93924

Phone: 408-655-1833
FAX:

Program Administration

Program Coordinator(s): Aaspet Jordan
Program Affiliate(s): Blue Water Task Force - Monterey County
Year Founded: 1993 Staff: 0.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Monterey County Chapter of the Blue Water Task Force raises 100% of its money by fundraising activities such as dances.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	8	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Blue Water Task Force - Santa Cruz

Surfrider Foundation, Santa Cruz Chapter
P.O. Box 3203
Santa Cruz, CA 95063

Phone: 408-438-8882
FAX:

Program Administration

Program Coordinator(s): Neil McQueen
Program Affiliate(s): Surfrider Foundation
Year Founded: 1991 Staff: 15.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 6,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 50 Other: 50

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Volunteers are surfers who surf in the waters they are testing. Fecal coliform contamination is their largest concern.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	15	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	W
Phosphorus		Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD	X	Debris Cleanup	A
Dissolved Oxygen	X	Rainfall	D
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons	X	Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Blue Water Task Force -Ventura County

Surfrider Foundation-Ventura County Chapter
6108 Telegraph Rd., #326
Ventura, CA 93003

Phone: 805-646-6541
FAX: 805-987-0019

Program Administration

Program Coordinator(s): Richard A. Sweet
Program Affiliate(s): Surfrider Foundation
Year Founded: 1991 Staff: 8.0 Active Volunteers: 8

Total Funding

Approx. Annual Budget: $ 3,000

Percent Funding By Source

State: 0 Foundation: 15 Dues: 0
Federal: 0 Corporate: 75 Other: 10

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Collected data are used to notify surfers, the public, and local government of coliform bacteria counts at surfing locations. Attempts are made to identify the sources of the pollution. Weekly FAX releases of bacteria counts from organizations and cities tests.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine		
☐ Lake/Pond/Reservoir	1	
☐ River/Stream		
■ Beaches	5	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	M
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	A
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

California Trout - Streamkeeper Program

California Trout
926 J St. #617
Sacramento, CA 95814

Phone: 916-557-1670
FAX: 916-448-1789

Program Administration

Program Coordinator(s): Tom Hesseldenz
Program Affiliate(s):
Year Founded: 1971 Staff: 6.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 400,000

Percent Funding By Source

State: 0 Foundation: 35 Dues: 55
Federal: 0 Corporate: 10 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	100
□ Beaches		
□ Wells		
□ Wetlands		

Notes

California Trout is dedicated to the protection, preservation, and enhancement of wild trout, native steelhead and their waters in California, and to the provision of high quality angling opportunities for the public's enjoyment. California Trout Streamkeepers are local volunteers who watch over the health of a particular stream close to them. California Trout regularly retains professional biological, and sometimes physical, scientific consultants to examine problems brought to its attention by local streamkeepers.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	W
Turbidity	X	Macroinvertebrates	M
Chlorides		Fish	W
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	W	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Citizens Committee to Complete the Refuge

453 Tennessee Lane
Palo Alto, CA 94306

Phone: 415-493-5540
FAX: 415-494-7640

Program Administration

Program Coordinator(s): Florence M. LaRiviere
Program Affiliate(s):
Year Founded: 1985 Staff: 0.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 8,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

The primary goal of the Citizens Committee to Complete the Refuge is to acquire remaining wetlands in the San Fransisco Bay area for the public. The group also engages in constant monitoring of all wetlands to prevent their degradation.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
■ Wetlands	25	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	W
BOD		Debris Cleanup	Q
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	S
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	W

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

CLEAN South Bay

CLEAN South Bay
527 Rhodes Drive
Palo Alto, CA 94303

Phone: 415-326-0252
FAX: 415-326-8919

Program Administration

Program Coordinator(s): Trish Mulvey / Greg Karras
Program Affiliate(s): Citizens For a Better Environment, Save San Fran. Bay
Year Founded: 1988 Staff: 0.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
□ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
□ Beaches		
□ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	D
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

CLEAN South Bay (Coalition for Effluent Action Now in South Bay) is a coalition of sport and commercial fishing groups, recreational users of the bay, and environmental organizations. The group works to protect San Francisco Bay - especially south of the Dumbarton Bridge - from toxic pollution in sewage discharge and stormwater runoff from Silicon Valley. The group endorses pollution prevention, source control, and watershed protection.

CLEAN South Bay serves as an umbrella organization. Supported by its member groups, volunteers write letters, organize other volunteers, give testimony, assist with public education, and work on media outreach.

Today CLEAN South Bay is expanding its "Watershed Watchdog" role to build on successful 1993 negotiations of source control agreements with the three local sewage treatment plants. Coalition members are exploring urban runoff pollution prevention opportunities for the Santa Clara Valley municipal separate storm sewer systems. Special emphasis is being given to stormwater pollution caused by automobiles and provision of alternative, convenient, and affordable transportation alternatives.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Coyote Creek Riparian Station

Coyote Creek Riparian Station
P.O. Box 1027
Alviso, CA 95002

Phone: 408-262-9204
FAX: 408-263-3528

Program Administration

Program Coordinator(s): Michael Rigney
Program Affiliate(s):
Year Founded: 1992 Staff: 2.0 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ 85,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 51 Corporate: 0 Other: 49

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	6	6
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	A
Turbidity	W	Macroinvertebrates	X
Chlorides		Fish	A
Nitrogen	W	Coliform Bacteria	
Phosphorus	W	Other Bacteria	
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	X
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

This is a citizen-based monitoring and inventory program to gather basic information on the biological components of San Francisquito Creek's ecosystem and supply this information in a usable form to the 16 different public entities responsible for the creek and its environs.

Volunteers gather data on stream ecology and stream bank characteristics and conduct water quality tests. These data will then be assembled into a detailed report and computerized "habitat" maps will be drawn.

This inventory program is being led by the Santa Clara County Creeks Coalition and Coyote Creek Riparian Station, with funding from the U.S. Environmental Protection Agency and the Santa Clara Valley Water District.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Dipping into Creeks Educational Program

Bonnie Ross c/o Effie Yeaw Nature Center
P.O. Box 579
Carmichael, CA 95609

Phone: 916-489-4918
FAX:

Program Administration

Program Coordinator(s): Frank Cruzen
Program Affiliate(s): Urban Creeks Council, Sacramento Chapter
Year Founded: 1983 Staff: 12.0 Active Volunteers: 250

Total Funding

Approx. Annual Budget: $ 4,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 75
Federal: 0 Corporate: 0 Other: 25

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Our goal is to educate the public concerning the values of urban creeks. We developed an education packet called "Dipping into Creeks," and we present teacher workshops. Monitoring is not a focus.

The program does not have regular monitoring stations. Elementary school groups are taken to local creeks and ponds to learn about biological monitoring techniques.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Elkhorn Slough Monitor

Elkhorn Slough Foundation
P.O. Box 267
Moss Landing, CA 95039

Phone: 408-728-5939
FAX: 408-728-1056

Program Administration

Program Coordinator(s): M. Silberstein/A. Devogelatre
Program Affiliate(s): National Estuarine Research Reserves
Year Founded: 1988 Staff: 2.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 20,000

Percent Funding By Source

State: 25 Foundation: 25 Dues: 0
Federal: 50 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	25	
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	X
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	M	Macroinvertebrates	S
Chlorides		Fish	X
Nitrogen	M	Coliform Bacteria	Q
Phosphorus	M	Other Bacteria	X
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	X
Dissolved Oxygen	M	Rainfall	D
Secchi Transparency		Photographic Surveys	M
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity	M	Sediment Assessments	X
Metals	X	Site Inspections	
Hydrocarbons	X	Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Friends of the Garcia

Friends of the Garcia
201 Buena Vista Ave. East
San Francisco, CA 94117

Phone: 415-626-8880
FAX: 415-921-3760

Program Administration

Program Coordinator(s): Eric Dahlhoff
Program Affiliate(s):
Year Founded: 1985 Staff: 0.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 7,500

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The program uses Campbell Data Loggers, which store a continuous flow of information.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	D	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	D	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	D	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Inventory and Monitoring

Golden Gate NRA
Ft. Mason Bldg. 201
San Francisco, CA 94123

Phone: 415-556-9506
FAX: 415-556-1399

Program Administration

Program Coordinator(s): Judd A. Howell, Ph.D.
Program Affiliate(s): National Park Service
Year Founded: 1990 Staff: 3.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 53,000

Percent Funding By Source

State: 0 Foundation: 50 Dues: 0
Federal: 50 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

In 1990 the National Park Service began a wildlife and vegetation inventory of the Golden Gate National Recreation Area. Earthwatch volunteers have sampled over 270 terrestrial, riparian, and lagoon habitats.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine	10	
☐ Lake/Pond/Reservoir		
☐ River/Stream	20	
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	D
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

LA WILD

LA WILD
3800 Solstice Cyn. Road
Malibu, CA 90265

Phone: 310-456-7154
FAX: 310-456-8381

Program Administration

Program Coordinator(s): Garrie Mar
Program Affiliate(s): Mountains Conservancy Foundation
Year Founded: 1992 Staff: 3.0 Active Volunteers: 400

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 0 Foundation: 5 Dues: 95
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lindsay Museum's "Watershed Watchers"

The Lindsay Museum
1901 First Ave.
Walnut Creek, CA 94596

Phone: 510-938-3134
FAX: 510-935-8015

Program Administration

Program Coordinator(s): Tina Batt
Program Affiliate(s): Bay Area, EPA Region 9
Year Founded: 1993 Staff: 1.0 Active Volunteers: 40

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

The Lindsay Museum Watershed Watchers program is in the developmental stages. Specific budget and monitoring information is not available at this time.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Monitoring Program, Wildcat-San Pablo Creeks

California Natural Resources Foundation
1250 Addison #107
Berkeley, CA 94702

Phone: 510-848-2211
FAX:

Program Administration

Program Coordinator(s): Ann L. Riley
Program Affiliate(s): Coalition to Restore Urban Waters
Year Founded: NA Staff: .2 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 15 Foundation: 70 Dues: 0
Federal: 15 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
□ Beaches		
□ Wells		
■ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

Citizen volunteers have formed the Wildcat-San Pablo Creeks Watershed Council, which monitors land use proposals, changes in riparian habitat, visible water quality problems, sediment transport, fill, dumping, obstructions to fish, fish kills, etc.

The citizens have produced a broad inventory of watershed issues and problems associated with distinct subbasins located in the more natural upper watershed; the urbanized central portion; and the lower watershed, which is in a poverty area, with flood problems, toxic and pollution problems, and existing community involvement.

The Council solicits funding from a variety of sources to sponsor stream restoration projects; reports visible pollution problems to state authorities; and sponsors public education projects, including tours of the watershed for government agencies and consultants to educate them on restoration opportunities and constraints.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Monterey Bay Salmon and Trout Project

Monterey Bay Salmon and Trout Project
P.O. Box 417
Davenport, CA 95017

Phone: 408-458-3095
FAX:

Program Administration

Program Coordinator(s): Morrow Whitcomb
Program Affiliate(s):
Year Founded: 1976 Staff: 2.0 Active Volunteers: 400

Total Funding

Approx. Annual Budget: $ 65,000

Percent Funding By Source

State:	60	Foundation:	10	Dues:	10
Federal:	0	Corporate:	10	Other:	10

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	4	
☐ Lake/Pond/Reservoir		
■ River/Stream	9	9
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	D	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	D	Rainfall	D
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

The Monterey Bay Salmon and Trout Project (MBS&TP) is a nonprofit organization dedicated to the preservation of native silver salmon and steelhead trout populations and the water and riparian habitats that support them. MBS&TP is primarily concerned with the dwindling wild species of fish in coastal streams and rivers from San Mateo County to Santa Cruz and Monterey as well as Santa Clara and San Benito counties. The purpose of the hatchery is to supplement natural production, which has been severely reduced due to environmental degradation. Over 1,150,000 juvenile silver salmon and steelhead have been reared and released in local streams since 1976 when the program was founded. Over 100 teachers and 5,000 students have participated in MBS&T classroom projects. The project makes extensive use of volunteer labor. Over 15,000 hours were donated by 389 volunteers in support of the project's hatchery and rearing operations in the past year.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Muir Beach Environmental

Gordon Bennett
105 Sunset Way #SR216
Muir Beach, CA 94965-9755

Phone: 415-389-1828
FAX: 415-389-1828

Program Administration

Program Coordinator(s): Gordon Bennett
Program Affiliate(s):
Year Founded: 1993 Staff: NA Active Volunteers: 3

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	1
■ Beaches	1	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity	Q	Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	Q
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	Q	Photographic Surveys	Q
Alkalinity		Pipe Surveys	Q
Flow	Q	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

NMS Beachwatch & Pelagic Surveys

Gulf of the Farallones NMS
Fort Mason, Building 201
San Francisco, CA 94123

Phone: 415-556-2587
FAX: 415-556-1419

Program Administration

Program Coordinator(s): Jan Roletto
Program Affiliate(s): Gulf of the Farallones and Cordell Bank NMS
Year Founded: 1993 Staff: 4.0 Active Volunteers: 83

Total Funding

Approx. Annual Budget: $ 45,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	86	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 3

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	X	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	X	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The Gulf of the Farallones National Marine Sanctuary currently involves volunteers in two monitoring programs: Beachwatch and pelagic surveys.

Beachwatch is a survey program in which volunteers visit selected beaches, document marine debris and beachcast organisms, assess visitor use, photograph the beach profile, and report natural or human-caused environmental problems such as oiled birds and tar balls.

Volunteers for pelagic surveys must have backgrounds in seabird, marine mammal, pelagic invertebrate, or fish identification. Pelagic survey volunteers will help conduct transects of Cordell Bank and the Gulf of the Farallones National Marine Sanctuaries. Volunteers will document marine organisms and envrionmental conditions encountered during transects, log data, and skipper the transport vessel.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

North Bay Counties Heron/Egret Project

Audubon Canyon Ranch, Cypress Grove Preserve
P.O. Box 808
Marshall, CA 94940

Phone: 415-663-8203
FAX: 415-663-1112

Program Administration

Program Coordinator(s): John Kelly
Program Affiliate(s):
Year Founded: 1990 Staff: 2.0 Active Volunteers: 75

Total Funding

Approx. Annual Budget: $ 4,000

Percent Funding By Source

State: 0 Foundation: 10 Dues: 0
Federal: 0 Corporate: 0 Other: 90

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Audubon Ranch's North Bay Counties Heron/Egret Project is an ongoing program for monitoring of heron and egret breeding colonies in the northern San Francisco Bay region. Study species are Great Blue Heron, Great Egret, Snowy Egret, and Black-Crowned Night Heron. Volunteer field observers gather data on colony size, nesting phenology, and reproductive success. Additional information is also gathered on arrival and departure flights, colony site habitat charecteristics, and property ownership.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	5	5
■ River/Stream	16	16
□ Beaches		
□ Wells		
■ Wetlands	29	

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	M
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	A
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

San Francisco Bay Bird Observatory

S.F. Bay Bird Observatory
P.O. Box 247
Alviso, CA 95002

Phone: 408-946-6548
FAX:

Program Administration

Program Coordinator(s): Janet Hanson/Pat Carlson
Program Affiliate(s):
Year Founded: 1981 Staff: 3.0 Active Volunteers: 75

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 50
Federal: 25 Corporate: 0 Other: 25

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

In addition to biweekly bird surveys, volunteers survey harbor seals biweekly and collect dead and diseased birds weekly to be tested for botulism bacteria.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	500	
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	BW
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

San Francisco BayKeeper

BayKeeper
Bldg. A, Fort Mason Ctr.
San Francisco, CA 94123

Phone: 415-567-4401
FAX: 415-567-9715

Program Administration

Program Coordinator(s): Dr. Michael Herz
Program Affiliate(s):
Year Founded: 1989 Staff: 5.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 350,000

Percent Funding By Source

State:	2	Foundation:	65	Dues:	7
Federal:	6	Corporate:	5	Other:	15

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	NA	
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	X
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	X
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	X	Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals	X	Site Inspections	X
Hydrocarbons	X	Habitat Assessments	X

Notes

The San Francisco BayKeeper's mission is to protect, preserve, and enhance the resources and health of the ecosystems and communities of the San Francisco Bay/Delta region. Specific objectives are: (1) to monitor water quality and report pollution incidents, (2) to advocate and, as necessary, institute litigation against violators, (3) to serve as an antenna for citizen complaints and as a deterrent to illegal activities on the bay, and (4) to create an informed voting constituency which is aware of both the bay's unique value and its current plight.

BayKeeper places pressure on agencies to enforce compliance with existing environmental laws. Its program of ongoing bay patrols and monitoring provides an example of the way in which individual citizen action can reduce environmental degradation and provide cost - effective oversight to ensure that environmental laws are being enforced.

BayKeeper does not perform regular monitoring, but collects samples as needed for enforcement, permit compliance, and other regulatory and research projects.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Save Our Shores

Save Our Shores
P.O. Box 1560
Santa Cruz, CA 95061

Phone: 408-462-5660
FAX: 408-462-6070

Program Administration

Program Coordinator(s): Vicki Nichols
Program Affiliate(s):
Year Founded: 1978 Staff: 1.5 Active Volunteers: 40

Total Funding

Approx. Annual Budget: $ 120,000

Percent Funding By Source

State: 0 Foundation: 30 Dues: 50
Federal: 0 Corporate: 10 Other: 10

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	100	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	100	
☐ Wells		
☐ Wetlands		

Months In Sampling Season:

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Save Our Shores (SOS) is a grassroots conservation group dedicated to preserving the unique, biologically diverse environment of Monterey Bay and California's central coast. SOS is a non-profit, volunteer-based organization with over 1,200 supporters.

Since the 1970's, SOS has successfully led the effort to defend the coast from offshore oil drilling. They have fought to curtail and prohibit human activities that threatened the coast. They were instrumental in the designation of the Monterey Bay National Marine Sanctuary, the largest in the nation.

Save Our Shores Sanctuary Watch volunteers identify and respond to threats within the sanctuary. The group educates other citizens about the regulations in the sanctuary and services a toll-free number to report suspected violations within the sanctuary.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Sea Search

Cabrillo Marine Museum
3720 Stephen White Dr.
San Pedro, CA 90731

Phone: 310-548-7563
FAX: 310-548-2649

Program Administration

Program Coordinator(s): Steve Vogel
Program Affiliate(s):
Year Founded: 1991 Staff: 2.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 3,000

Percent Funding By Source

State: 0 Foundation: 40 Dues: 30
Federal: 0 Corporate: 30 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	2	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	3	
☐ Wells		
■ Wetlands	2	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	S
Chlorides	M	Fish	S
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	W
BOD	M	Debris Cleanup	Q
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	M	Sediment Assessments	S
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	S

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Surfrider-San Francisco Chapter

750 La Playa, Suite #620
San Francisco, CA 94122

Phone: 415-665-4155
FAX: 415-759-9430

Program Administration

Program Coordinator(s): Alan Davis
Program Affiliate(s): Surfrider Foundation
Year Founded: 1992 Staff: NA Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	NA	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Water Environment Studies Program

Richard Thall c/o Mt. Diablo Unified Sch. Dist.
1936 Carlotta Dr.
Concord, CA 94519

Phone: 510-682-8000
FAX: 510-680-2505

Program Administration

Program Coordinator(s): Richard Thall
Program Affiliate(s):
Year Founded: 1968 Staff: 2.0 Active Volunteers: 250

Total Funding

Approx. Annual Budget: $ 130,000

Percent Funding By Source

State:	0	Foundation:	0	Dues:	0
Federal:	0	Corporate:	35	Other:	65

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	10	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	
Chlorides	X	Fish	X
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The objective of the Water Environment Studies Program is to promote student understanding of, and respect for, the San Francisco Bay Delta Region environment. The program introduces students to "hands-on" experience in using scientific equipment and collecting and analyzing data.

Students (mainly 5th and 6th graders) go on a 3-hour cruise on a research vessel. During the cruise, they use scientific equipment to collect and analyze samples. Over 5,000 students use the vessel each year.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Water Monitoring Project

Dr. Andrew De Vogelaere
1700 Elkhorn Rd.
Watsonville, CA 95076

Phone: 408-728-2822
FAX: 408-728-1056

Program Administration

Program Coordinator(s): Andrew De Vogelaere
Program Affiliate(s): National Estuarine Research Reserve System
Year Founded: 1988 Staff: 1.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 30 Foundation: 0 Dues: 0
Federal: 70 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	20	
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	M	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Weather Records

Botanical Garden/University of California
Centennial Drive
Berkeley, CA 94720

Phone: 510-642-9856
FAX: 510-642-5045

Program Administration

Program Coordinator(s): Judith Finn
Program Affiliate(s): Dept. of Interior, USGS / Alameda Flood Control
Year Founded: 1940 Staff: 0.0 Active Volunteers: 1

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Judith Finn records daily temperature and rainfall amounts at the Botanical Gardens at the University of California at Berkeley. This information is used in the study of plant tolerance to extremes: drought, cold, heat, or wet.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	D
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

COLORADO

Adopt-A-Platte

Dr. Robert Erickson WH - WQ
USEPA-Reg. 8, 999 18th St.
Denver, CO 80202

Phone: 303-293-1566
FAX:

Program Administration

Program Coordinator(s): John Hale / Bob Erickson
Program Affiliate(s):
Year Founded: 1992 Staff: 1.0 Active Volunteers: 70

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

Citizens groups will adopt approximately one-mile sections of the South Platte River near the Denver Metro area. A pilot project with a 1-1/4 mile segment has been monitored from August to October, 1992. The project now has four sections adopted for 1993.

Initially types of data collected include all forms of recreational uses (walking, boating, bird watching, biking, etc.) and bird counts. All are quantitative and done bimonthly.

For 1993 the project intends to add quantitative river habitat mapping and identification of areas in need of beautification and habitat improvement.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Fountain Creek Nature Center

Fountain Creek Nature Center
320 Pepper Grass Lane
Fountain, CO 80817

Phone: 719-520-6745
FAX: 719-520-6746

Program Administration

Program Coordinator(s): George Mantz
Program Affiliate(s): Colorado River Watch
Year Founded: 1992 Staff: 1.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	2	2
■ River/Stream	2	2
☐ Beaches		
■ Wells	2	
■ Wetlands	2	

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	W
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Friends of the Poudre

Friends of the Poudre
P.O. Box 1862
Fort Collins, CO 80522

Phone: 303-493-8705
FAX:

Program Administration

Program Coordinator(s): Gary Kimsey
Program Affiliate(s):
Year Founded: NA Staff: 9.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 2,500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 25
Federal: 0 Corporate: 0 Other: 75

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- □ State Government
- ■ University Scientists
- □ Federal Government

Notes

The Friends of the Poudre are watchdogs for dam surveys and studies on the Poudre. They are also pushing for a new park on unused city land.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Rivers of Colorado Water Watch Network

Colorado Division of Wildlife
6060 Broadway
Denver, CO 80216

Phone: 303-291-7262
FAX: 303-291-0874

Program Administration

Program Coordinator(s): Carol Bylsma/Barb Horn
Program Affiliate(s):
Year Founded: 1989 Staff: 2.0 Active Volunteers: 130

Total Funding

Approx. Annual Budget: $ 360,000

Percent Funding By Source

State: 25 Foundation: 0 Dues: 0
Federal: 75 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	170	75
☐ Beaches		
☐ Wells		
■ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The Rivers of Colorado Water Watch Network, developed by the Colorado Division of Wildlife, is an aquatic education program, a water quality monitoring program, interdisciplinary hands-on real science, a computer communications network, and a growing dynamic consortium of students, teachers, natural resource personnel, private industry, and community representatives.

The three primary goals of the program are:

1. Provide an educational opportunity for middle/junior high and high school students to understand and value our river ecosystems. The students, with supervision and support of their teachers, schools, and communities, monitor a stretch of river near their community, collecting biological, physical, and chemical data over time. After data collection, the kids learn how these three parameters interact to produce the river ecosystem. They learn that when one of these three components is disturbed, the other two are also affected. The students also learn ethical approaches to taking action in response to environmental problems.
2. To obtain accurate and consistent baseline water quality data on the rivers in Colorado.
3. To establish a dynamic communications network that provides agencies and citizens with information on Colorado's rivers.

As of fall 1992, 125 schools, including approximately 150 teachers and 800 students, were actively involved in the program.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Community Environmental Education Program

Dpt. of Environmental Protection
165 Capitol Avenue
Hartford, CT 06106

Phone: 203-566-8131
FAX: 203-566-7932

Program Administration

Program Coordinator(s): Alberto Mimo
Program Affiliate(s):
Year Founded: 1990 Staff: 1.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 80 Foundation: 0 Dues: 20
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	NA
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	X
Hardness	X	Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	
Chlorides	X	Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD	X	Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency	X	Photographic Surveys	X
Alkalinity	X	Pipe Surveys	X
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

The Community Environmental Education Program is designed to educate adults about water quality issues within Connecticut. The program includes the following four different educational programs: Maps and Map Reading, Water Quality Assessment, Inland/Wetland Evaluation, and Lake Restoration and Protection.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Connecticut River Watch Program

Extension Center
P.O Box 70
Haddam, CT 06438

Phone: 203-345-3219
FAX:

Program Administration

Program Coordinator(s): Jane Brawerman
Program Affiliate(s): Connecticut River Watch Program
Year Founded: 1991 Staff: 1.5 Active Volunteers: 60

Total Funding

Approx. Annual Budget: $ 46,000

Percent Funding By Source

State: 35 Foundation: 0 Dues: 0
Federal: 5 Corporate: 60 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	35	3
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	S
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	X
TSS/TDS	X	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

Notes

The Connecticut River Watch Program (CRWP) is a community-based volunteer water quality monitoring, protection, and improvement program for the lower Connecticut River and its tributaries, sponsored by the Middlesex County Soil and Water Conservation District and the national River Watch Network.

CRWP involves teachers, students, and citizen volunteers in a long-term study of water quality and river corridor management issues. River monitoring activities include collection and testing of water samples, collection and identification of benthic macroinvertebrates, and assessment of river and riparian habitat. Program participants also take part in data review and analysis, and in the development of recommendations for further action. The program provides a picture of water quality over time, and allows participants to evaluate the effectiveness of corrective actions. It is both a tool for educating the public and building awareness about the importance of clean water and an effort to collect high-quality data that can be used to identify water quality problems and solutions. The program operates with a Federal Environmental Protection Agency-approved Quality Assurance Project Plan.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Harbor Watch / River Watch

Nature Center for Environmental Activities
P.O. Box 165
Westport, CT 06881

Phone: 203-227-7253
FAX: 203-227-8909

Program Administration

Program Coordinator(s): Richard Harris
Program Affiliate(s): Nature Center for Environmental Activities
Year Founded: 1986 Staff: 2.0 Active Volunteers: 80

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 40 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 60

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	18	
□ Lake/Pond/Reservoir		
■ River/Stream	25	4
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	W	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	X	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Harbor Watch, a fully volunteer organization, is dedicated to monitoring the environmental quality of the Saugatuck, Norwalk, and Five Mile River harbors. Established by Westport resident Dick Harris in 1987, its purpose is to measure and quantify oxygen content and juvenile marine animal populations in the estuaries so that baselines may be established to prevent further degradation of these waterways.

Measurements of oxygen content and juvenile marine animals are taken weekly so that a data base may be established which will be the foundation for federal and state studies and funding to save our harbors and rivers. Such measurements require a coordinated effort from hundreds of volunteers—those who take the actual measurements, those who provide boats and materials, and those who work behind the scenes in maintaining the equipment.

River Watch is conducting research in an effort to determine how nonpoint sources of pollution affect the health of the Saugatuck River. River Watch is acquiring valuable data on dissolved oxygen levels, pH, and the aquatic life in the river. The program is also ppproviding the local community with information on common sense approaches to property management as it relates to the improvemment of water quality.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Long Island Sound Taskforce

Long Island Sound Taskforce
185 Magee Ave.
Stamford, CT 06902

Phone: 203-327-9786
FAX: 203-967-2677

Program Administration

Program Coordinator(s): Helen Rosselli
Program Affiliate(s): Harbor Watch
Year Founded: 1988 Staff: 1.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 15,000

Percent Funding By Source

State: 0 Foundation: 66 Dues: 0
Federal: 34 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Volunteers monitor 6 stations in 3 harbors - Stamford, Rye, and Mamaroneck. In addition to water quality parameters, volunteers also measure wind speed and direction, wave height, barometric pressure, and air temperature.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	15	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Mystic River Watch

Mystic River Watch
P.O. Box 187
Old Mystic, CT 06372

Phone: 203-889-6174
FAX:

Program Administration

Program Coordinator(s): Linda Huzzey
Program Affiliate(s): Mystic River-Whitford Brook Watershed Assoc.
Year Founded: 1990 Staff: 0.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 30
Federal: 0 Corporate: 10 Other: 60

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	10	
□ Lake/Pond/Reservoir		
■ River/Stream	20	3
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	BW
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	M	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Mystic River Watch Program was initiated in the summer of 1990 in response to citizen concerns about the potential for degradation of water quality in the Mystic River watershed. This watershed comprises an area of approximately 31 square miles of partially wooded hills, and lies within the boundaries of four municipalities in southeastern Connecticut. Land use is primarily agricultural and residential, with some light industry as well as tourist, boating, and fishing industries.

Under the Mystic River Watch Program, water quality is monitored monthly between May and September at 30 locations throughout both the freshwater and estuarine reaches of the watershed. Water samples are collected and analyzed for nitrate, phosphate, and silica concentration, pH, and numbers of fecal coliform bacteria. In the estuary, salinity and dissolved oxygen are also measured. The entire program, including sampling, laboratory analysis, and data analysis, is conducted by volunteers. The program is sponsored by the Mystic River-Whitford Brook Watershed Association and receives facility support from the Williams College Maritime Studies Program in Mystic, CT. Data collected by this program are forwarded to the four municipalities in the watershed, as well as the CT Department of Environmental Protection and the River Watch Network in Vermont. A data report is published each year.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

NURC - UCAP Aquanaut Program

Marine Education Programs, Director
1084 Shennecossett Road
Groton, CT 06340

Phone: 203-445-3483
FAX: 203-445-2969

Program Administration

Program Coordinator(s): Peter M. Scheifele
Program Affiliate(s):
Year Founded: 1988 Staff: 6.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	3	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	M
Nitrogen		Coliform Bacteria	M
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	M	Sediment Assessments	
Metals	M	Site Inspections	
Hydrocarbons	M	Habitat Assessments	X

Notes

The Aquanaut Program (AP) is an educational initiative of NOAA's National Undersea Research Center at the University of Connecticut at Avery Point. The program was designed to rekindle in students the sense of curiosity and quest for scientific knowledge that has waned since the days of Sputnik and Apollo.

The AP attempts to narrow the gap between scientific discovery and the classroom.

The objectives of the AP fall into two categories targeted at (1) providing a rewarding educational experience and (2) developing a research framework to meet the educational objectives of the program. Students are involved in all facets of research in a "hands-on" style. Students and teachers will be involved in developing a research project with a scientist-mentor who has experience in a project that addresses marine resource or environmental issues. Funding for AP comes from NOAA.

In addition to testing water quality parameters, students perform bottom mapping and marine mammal surveys.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Oceanology Study Group

David Scott, Clark Lane Middle School
105 Clark Lane
Waterford, CT 06385

Phone: 203-443-2837
FAX:

Program Administration

Program Coordinator(s): David Scott, Carolyn Berardi
Program Affiliate(s):
Year Founded: 1973 Staff: 2.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 9,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	15	
■ Lake/Pond/Reservoir	5	2
■ River/Stream	25	6
■ Beaches	2	
☐ Wells		
■ Wetlands	3	

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	W
Hardness	X	Aquatic Vegetation	W
Turbidity	X	Macroinvertebrates	W
Chlorides		Fish	W
Nitrogen	W	Coliform Bacteria	W
Phosphorus	W	Other Bacteria	
TSS/TDS	W	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	X
Secchi Transparency		Photographic Surveys	X
Alkalinity	X	Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	W
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	W

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

SEARCH

Dpt. of Environmental Protection
165 Capitol Avenue
Hartford, CT 06106

Phone: 203-566-8131
FAX: 203-566-7932

Program Administration

Program Coordinator(s): Alberto Mimo
Program Affiliate(s):
Year Founded: 1984 Staff: 1.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 35,000

Percent Funding By Source

State: 25 Foundation: 50 Dues: 0
Federal: 0 Corporate: 25 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	90	37
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides	X	Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD	X	Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The Search Program is designed to introduce students in grades 9-12 to the methods and materials involved in environmental quality monitoring of air, land, and water.

Schools can be involved in three different types of monitoring programs: monitoring of water quality in rivers, lakes and ponds; monitoring of wetlands; and monitoring of acid rain deposition.

Technical assistance and equipment are provided by the Department of Environmental Protection during the first year with the understanding that the program will be continued in following years under the school's funding. Cost and commitment vary according to the program. Students and faculty collect data and analyze results and provide information in the form of a report to the Department of Environmental Protection.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Trout Unlimited - Thames Valley Chapter

Trout Unlimited - Thames Valley Chapter
6 Meadow Lane
Canterbury, CT 06331

Phone: 203-546-9413
FAX:

Program Administration

Program Coordinator(s): Gene Cyr
Program Affiliate(s): Trout Unlimited
Year Founded: 1969 Staff: 12.0 Active Volunteers: 300

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: √
Federal: 0 Corporate: 0 Other: √

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	10	10
■ River/Stream	13	13
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

West River Restoration

Peter Davis
558 Orange St., Apt. 302
New Haven, CT 06511

Phone: 203-772-1108
FAX:

Program Administration

Program Coordinator(s): Peter Davis
Program Affiliate(s):
Year Founded: 1989 Staff: 2.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	1
■ River/Stream	16	2
■ Beaches	NA	
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

The West River Restoration Project 's primary goal has been to clean debris out of the West River, a tidal river that feeds into Long Island Sound. Project volunteers have removed over 2,000 tires, five cars, several shopping carts, appliances, drums, plastics, machinery, boat parts, glass, construction material, household garbage, and fishing line.

The group also cleans along the beaches and wetlands that border the river.

The West River Restoration Project also monitors the storm drains along the river and keeps an eye on local businesses and gas stations.

The group canoes and walks parts of the river on a weekly basis throughout the year.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Xavier / CT D.E.P. River Study

Xavier High School
181 Randolph Rd.
Middletown, CT 06457

Phone: 203-346-7735
FAX: 203-346-6859

Program Administration

Program Coordinator(s): Linda Charpentier
Program Affiliate(s): CT D.E.P. SEARCH Program & River Watch Network
Year Founded: 1990 Staff: 1.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 200

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	6	3
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides	X	Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The SEARCH Program is a river study project that enlists the help of high school students in adopting and monitoring the water quality of a local river. For the past three years, students in Xavier High School's ecology classes have become actively involved in real "hands-on" scientific research by selecting and monitoring 5 sampling sites along the Coginchaug River (a tributary of the Connecticut River). Four times during the school year students take a field trip to the river to collect physical, chemical, and biological data. At the end of the school year, the students write a collaborative report on their results, which the Connecticut Department of Environmental Protection publishes and distributes to interested units within that agency, as well as to other interested community organizations.

This program benefits both students and their community. The students learn the value of teamwork and of using their mathematical skills in analyzing and interpreting their data. They also learn to organize their results into a publishable, written form. At the same time, the local community benefits by gaining important water quality data for a river that they collectively seek to preserve.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Delaware Stream Watch

Delaware Nature Society
P.O. Box 700
Hockessin, DE 19707

Phone: 302-239-2334
FAX: 302-239-2473

Program Administration

Program Coordinator(s): Linda Stapleford
Program Affiliate(s): DE Nature Soc. & DE Dept. Nat. Res. & Env. Ctrl.
Year Founded: 1985 Staff: 1.5 Active Volunteers: 150

Total Funding

Approx. Annual Budget: $ 70,000

Percent Funding By Source

State: 93 Foundation: 1 Dues: 0
Federal: 0 Corporate: 1 Other: 5

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	5	
■ Lake/Pond/Reservoir	5	5
■ River/Stream	110	25
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	Q
Chlorides		Fish	X
Nitrogen	BW	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	M
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity	BW	Pipe Surveys	
Flow		Watershed Mapping	
Salinity	Q	Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	A

Notes

Delaware Stream Watch is a grassroots volunteer waterway monitoring program and water resource protection education program. Training is provided for monitoring activities that include Stream Adoption, Technical Monitoring, and Habitat Assessment. Educational outreach includes semi-annual editions of "Stream Talk," slide presentations, school stream ecology studies, teacher training workshops, public exhibits, and seminars and conferences on water quality and aquatic habitat concerns. Delaware Stream Watch is sponsored by the Delaware Nature Society and the Delaware Department of Natural Resources and Environmental Control.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Inland Bays Citizen Monitoring Program

Univ. of DE, Sea Grant Marine Advisory Service
700 Pilottown Rd.
Lewes, DE 19958

Phone: 302-645-4250
FAX: 302-645-4007

Program Administration

Program Coordinator(s): Joseph G. Farrell
Program Affiliate(s):
Year Founded: 1990 Staff: 1.5 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 35,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	30	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	M
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	M
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	D
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Inland Bays Citizen Monitoring Program is managed by the University of Delaware Sea Grant Marine Advisory Service with support from the DNREC through the Inland Bays Estuary Program. The goals of the Inland Bays Citizen Monitoring Program are: (1) to collect verifiable water quality data to be used to support public policy decisions with regard to the management of the Inland Bays and (2) to increase public participation and support for the protection and management of these aquatic resources.

In addition to water quality parameters, volunteers also monitor tidal stage, air temperature, and weather conditions.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Nanticoke Citizen Monitoring Program

Dept. of Natural Res. & Env. Control
89 Kings Highway, P.O. Box 1401
Dover, DE 19906

Phone: 302-739-5726
FAX: 302-739-3491

Program Administration

Program Coordinator(s): Pearl W. Burbage
Program Affiliate(s):
Year Founded: 1991 Staff: 1.0 Active Volunteers: 13

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	14	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Nanticoke Citizen Monitoring Program is a technical program established in 1991 by the Research Task Force of the Nanticoke Watershed Preservation Committee and the DNREC to protect the water quality of the Nanticoke Watershed. The DNREC provided advice on how to best confront the potential of urbanization on the Nanticoke River and thereby prevent the problems that exist in the Inland Bays area. The goal of this group of concerned citizens is to collect baseline data that will determine whether there are pollution threats to the environmental status of the Nanticoke watershed and to take the action necessary to ameliorate the problem.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Red Clay - Foxhill Site

Allen Bernstein c/o Warner Elementary School
18th & Van Buren Streets
Wilmington, DE 19802

Phone: 302-651-2740
FAX:

Program Administration

Program Coordinator(s): Allen Bernstein
Program Affiliate(s): Ashland Nature Center
Year Founded: 1985 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Students at the Warner School in Delaware monitor their adopted stream twice a year. They look for insect larvae and also do dissolved oxygen, pH, and nitrogen sampling.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	1	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	S
Turbidity		Macroinvertebrates	S
Chlorides		Fish	S
Nitrogen	S	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	S	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	S	Watershed Mapping	
Salinity		Sediment Assessments	
Metals	S	Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

St. Andrew's Long Term Ecological Resource Monitoring

Peter K. McLean
St. Andrew's School
Middletown, DE 19709

Phone: 302-378-9511
FAX: 302-378-7120

Program Administration

Program Coordinator(s): Peter K. McLean
Program Affiliate(s): Project Streamwatch (DE), ECONET
Year Founded: 1990 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Students at St. Andrew's School are conducting a variety of projects to track natural resources over a long period of time. These include: (1) Monitor lichens as indicators of air pollution; (2) Monitor bird feeders, count number and species of birds seen; (3) monitor weather; (4) monitor water quality parameters on ponds and creeks; and (5) conduct animal inventories.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	2	2
■ River/Stream	2	2
☐ Beaches		
☐ Wells		
■ Wetlands	1	

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	A
Turbidity	W	Macroinvertebrates	A
Chlorides		Fish	S
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	W
BOD		Debris Cleanup	Q
Dissolved Oxygen	W	Rainfall	D
Secchi Transparency	W	Photographic Surveys	A
Alkalinity		Pipe Surveys	
Flow	W	Watershed Mapping	A
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

DISTRICT OF COLUMBIA

Center for Urban Ecology

National Capitol Region, Center for Urban Ecology
1100 Ohio Dr. SW
Washington, DC 20242

Phone: 202-342-1443
FAX: 202-282-1031

Program Administration

Program Coordinator(s): Dick Hammerschleg
Program Affiliate(s): National Capitol Region
Year Founded: 1980 Staff: 20.0 Active Volunteers: 2

Total Funding

Approx. Annual Budget: $ 300

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	7	
■ Lake/Pond/Reservoir	2	2
☐ River/Stream		
☐ Beaches		
☐ Wells		
■ Wetlands	3	

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Earth Team

Earth Team
P.O. Box 2890
Washington, DC 20013

Phone: 202-720-0430
FAX: 202-720-5850

Program Administration

Program Coordinator(s): Jeff Anliker
Program Affiliate(s): USDA Soil Conservation Service
Year Founded: 1981 Staff: .5 Active Volunteers: 200

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 50 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Earth Team is the volunteer arm of the U.S. Department of Agriculture. Earth Team volunteers carry on a variety of activities including education, planning, and monitoring. The amount and type of monitoring done by volunteers varies from area to area.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Audubon Society of the Everglades

Audubon Society of the Everglades
10308 Heritage Farms
Lake Worth, FL 33467

Phone: 407-965-2420
FAX:

Program Administration

Program Coordinator(s): Rosa Durando
Program Affiliate(s): National Audubon Society
Year Founded: 1969 Staff: 0.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 27,000

Percent Funding By Source

State: 0 Foundation: 40 Dues: 15
Federal: 0 Corporate: 0 Other: 45

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
■ Beaches	NA	
■ Wells	NA	
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	X
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides	X	Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	X
BOD	X	Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity	X	Sediment Assessments	X
Metals	X	Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Bream Fishermen Association - Water Quality Program

Dr. R. G. Olsen, NAMRL
51 Hovey Rd. NAS
Pensacola, FL 32508-1046

Phone: 904-452-2038
FAX: 904-452-9328

Program Administration

Program Coordinator(s): Mr. J. D. Brown
Program Affiliate(s): Florida DEP
Year Founded: 1974 Staff: 6.0 Active Volunteers: 18

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 60 Foundation: 0 Dues: 10
Federal: 0 Corporate: 0 Other: 30

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	23	
☐ Lake/Pond/Reservoir		
■ River/Stream	40	5
☐ Beaches		
☐ Wells		
■ Wetlands	15	

Notes

For more than 20 years, the Bream Fishermen Association (BFA) has been an active environmental advocacy organization in northwest Florida. The BFA has maintained an active water quality monitoring program since 1974 and continues to have significant impact in local issues such as Brushy Creek (tributary to the Perdido River), Eleven Mile Creek (paper mill effluent), and Escambia Bay (synthetic fiber plants).

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides	S	Fish	X
Nitrogen	S	Coliform Bacteria	S
Phosphorus	S	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	S	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Citizens WQM Network, Indian River Lagoon

Marine Resources Council of East Florida
P.O. Box 22892
Melbourne, FL 32902-2892

Phone: 407-952-0102
FAX: 407-952-0103

Program Administration

Program Coordinator(s): Bob Frease
Program Affiliate(s):
Year Founded: 1991 Staff: 1.0 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 80 Foundation: 0 Dues: 0
Federal: 20 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- □ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	78	
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Volunteer Citizens Water Quality Monitoring Network for the Indian River Lagoon is designed to determine the long term trends and changes in the water quality of the Indian River and to educate the public at the local level on the significance of water quality. Volunteers sample the water weekly at a site in the Indian River convenient to them for salinity, dissolved oxygen, temperature, water clarity, and pH. All parameters are measured on site.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Cooperative Game Fish Tagging Program

NOAA-NMFS, R.E. Bayley
75 Virginia Beach Dr.
Miami, FL 33149

Phone: 800-437-3936
FAX: 305-361-4515

Program Administration

Program Coordinator(s): R.E. Bayley
Program Affiliate(s):
Year Founded: 1954 Staff: 4.0 Active Volunteers: 7,500

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Cooperative Game Fish Tagging Program (CGFTP) was created in 1954 and is a continuing joint research effort between fisheries scientists and both recreational and commercial fishermen. This program is designed to provide information on the movements and the biology of marine fish species in the Atlantic Ocean, the Gulf of Mexico, and the Caribbean Sea. The success of the CGFTP is due to the direct participation of the public in scientific research. There were over 4,900 active anglers in 1992. Since the program began, back in 1954, almost 200,000 fish have been tagged and released, and nearly 8,000 have been recaptured.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Florida LAKEWATCH

Florida LAKEWATCH
7922 NW 71st Street
Gainesville, FL 32606

Phone: 904-392-9613
FAX: 904-392-3462

Program Administration

Program Coordinator(s): Dr. Daniel Canfield
Program Affiliate(s): Univ. of FL Dept. of Fisheries/Aquatic Sciences
Year Founded: 1991 Staff: 3.0 Active Volunteers: 800

Total Funding

Approx. Annual Budget: $ 220,000

Percent Funding By Source

State: 98 Foundation: 1 Dues: 0
Federal: 0 Corporate: 0 Other: 1

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

Florida LAKEWATCH is coordinated by the Department of Fisheries and Aquatic Sciences at the University of Florida. The goal of the program is to train people who live on lakes to take water samples and basic data which can be used to evaluate and monitor the quality of their lake's water. Volunteers document nutrient level, algae content, and water clarity. The information obtained is made available to interested individuals, homeowner groups, and agencies involved in lake management.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	50	
■ Lake/Pond/Reservoir	1200	400
■ River/Stream	5	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	M
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	X
Secchi Transparency	M	Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Nature Conservancy/FL Keys Nat'l Marine Sanc.

TNC / FKNMS - Volunteer Program
9499 Overseas Highway
Marathon, FL 33050

Phone: 305-743-2437
FAX: 305-743-2357

Program Administration

Program Coordinator(s): Mary Enstrom
Program Affiliate(s): The Nature Conservancy
Year Founded: 1992 Staff: 1.0 Active Volunteers: 85

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 50 Corporate: 0 Other: 50

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	30	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

The Nature Conservancy (TNC) is working with the National Oceanic and Atmospheric Administration (NOAA) in implementing a coral reef monitoring program in the Florida Keys National Marine Sanctuary. Volunteers are being trained through a course given at a community college in the Florida Keys. The volunteers are SCUBA divers that are trained for two different jobs:

1) Community reconnaissance survey of reefs. Volunteers estimate the area coverage of corals, sponges, and algae across a reef community.

2) Coral identification, colony numbers and measurements. This survey requires more expertise in biology; volunteers need to learn to identify small and large colonies of a targeted coral species. Surveys include the counting and measuring of coral colonies to determine colony numbers and the size distribution of colonies at a given reef site of interest.

A Florida Bay Watch Water Quality program is under development.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Orlando LAKEWATCH

City of Orlando Stormwater Utility
400 S. Orange Ave.
Orlando, FL 32801

Phone: 407-246-2370
FAX: 407-246-2512

Program Administration

Program Coordinator(s): Bruce Fallon
Program Affiliate(s): Florida LAKEWATCH
Year Founded: 1990 Staff: 1.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 3,900

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- □ State Government
- ■ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	129	43
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	M
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Surface Water Improvement and Management (SWIM)

Carl Giovenco, Southwest FL Water Mgt. Dist.
7601 US Highway 301 N
Tampa, FL 33610

Phone: 813-985-7481
FAX: 813-987-6747

Program Administration

Program Coordinator(s): Carl Giovenco
Program Affiliate(s):
Year Founded: 1988 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: √ Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: √

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	D
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Three Creek Watch/Lemon Bay

c/o Lemon Bay Conservancy
P.O. Box 508
Englewood, FL 34295-0508

Phone: 813-475-1183
FAX:

Program Administration

Program Coordinator(s): Wilma Katz
Program Affiliate(s): Lemon Bay Conservancy
Year Founded: 1992 Staff: 0.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	1	
☐ Lake/Pond/Reservoir		
■ River/Stream	13	4
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Alpharetta Project Ripple

Environmental Education Center
131 Roswell Street, Suite A-1
Alpharetta, GA 30201

Phone: 404-442-9057
FAX: 404-587-4413

Program Administration

Program Coordinator(s): Dee West
Program Affiliate(s): GA Dept. of Natural Resources
Year Founded: 1991 Staff: 2.0 Active Volunteers: 66

Total Funding

Approx. Annual Budget: $ 44,206

Percent Funding By Source

State: 60 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 40

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	2	2
■ River/Stream	28	1
□ Beaches		
□ Wells		
■ Wetlands	2	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	M
Turbidity	M	Macroinvertebrates	M
Chlorides		Fish	M
Nitrogen		Coliform Bacteria	M
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	M
BOD		Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency		Photographic Surveys	A
Alkalinity		Pipe Surveys	M
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	M
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	M

Notes

The mission of the Alpharetta Project Ripple is to instruct people of all ages so that safeguarding the integrity of water and its intended uses is a natural responsibility.

The mission is attained through education in an annual series of 13 or more 5-hour workshops. These workshops target educators, students, community citizens, and representatives from around the state who are interested in understanding how to protect, preserve, and conserve precious water resources as well as ecological systems. After attending these workshops people can sign up to collect water quality samples monthly at a specific site. The project supplies educators that attend the workshop with test kits valued at $70 to $80 to use with their students.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Citizen's Stream Monitoring Program - City of Atlanta

City of Atlanta Dept. of Planning and Development
68 Mitchell St. SW, Suite 1450
Atlanta, GA 30335

Phone: 404-330-6145
FAX:

Program Administration

Program Coordinator(s): Carolyn Henry
Program Affiliate(s):
Year Founded: NA Staff: 1.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 23,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 3

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	BM
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Dog River Project

Alexander High School
6500 Alexander Parkway
Douglasville, GA 30135

Phone: 404-920-4500
FAX: 404-920-4027

Program Administration

Program Coordinator(s): Dr. Gail Marshall
Program Affiliate(s):
Year Founded: 1990 Staff: 1.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 60 Other: 40

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	3	1
■ River/Stream	2	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness	BW	Aquatic Vegetation	
Turbidity		Macroinvertebrates	BW
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS	BW	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency		Photographic Surveys	BW
Alkalinity	BW	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Georgia Canoeing Association Stream Watch

Carol S. Mercer
608 Hardendorf Ave. NE
Atlanta, GA 30307

Phone: 404-373-6683
FAX:

Program Administration

Program Coordinator(s): Carol S. Mercer
Program Affiliate(s): Georgia Canoeing Association
Year Founded: 1992 Staff: 0.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Every other month, the group monitors Stone Mountain Creek where it crosses Stewart Mill Road. They send their samples to the state Department of Natural Resources.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	1	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	BM
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Georgia Lake Management Society

Georgia Lake Management Society
P.O. Box 1463
Stone Mountain, GA 30086

Phone:
FAX:

Program Administration

Program Coordinator(s): Ron Raschke
Program Affiliate(s):
Year Founded: 1990 Staff: 0.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 50 Corporate: 50 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Georgia Lake Management Society also investigates local agricultural operations based on complaints by lake residents.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	6	1
☐ River/Stream		
■ Beaches	2	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	Q
Hardness		Aquatic Vegetation	
Turbidity	Q	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	Q	Coliform Bacteria	Q
Phosphorus	Q	Other Bacteria	
TSS/TDS	Q	Birds/Wildlife	
BOD	Q	Debris Cleanup	
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency	Q	Photographic Surveys	
Alkalinity	Q	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Gwinnett County Adopt-A-Stream

Gwinnett County Adopt-A-Stream
75 Langley Drive
Lawrenceville, GA 30245

Phone: 404-822-7175
FAX: 404-822-7170

Program Administration

Program Coordinator(s): Steve Cannon
Program Affiliate(s):
Year Founded: 1991 Staff: 1.0 Active Volunteers: 200

Total Funding

Approx. Annual Budget: $ 22,000

Percent Funding By Source

State: 60 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 40

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	2
■ River/Stream	NA	30
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The Gwinnett County Adopt-A-Stream program is designed to promote and develop water quality awareness, public education, and citizen participation, and above all to protect our most precious resource - water. The program is funded by a state grant and managed by the Department of Public Utilities and Gwinnett Clean and Beautiful. Since the program began in 1991, more than 28 miles of Gwinnett's streams, rivers, and lake shores have been adopted. Fifteen local organizations, among them scout troops, churches, rotary clubs, major corporations, and concerned citizens, contribute their free time to Adopt-A-Stream.

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	M	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lake Allatoona Vol. Citizens WQ Monitoring Project

Paul S. Rose
Kennesaw State Coll., P. O. Box 444
Marietta, GA 30061

Phone: 404-423-6464
FAX: 404-423-6395

Program Administration

Program Coordinator(s): Paul S. Rose
Program Affiliate(s):
Year Founded: 1991 Staff: 1.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 6,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	3	1
■ River/Stream	12	12
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	A
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus	A	Other Bacteria	
TSS/TDS		Birds/Wildlife	BW
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	X
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	BW
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Lake Allatoona Volunteer Citizens Water Quality Monitoring Project is the first federally funded citizen monitoring project in Georgia. The A.L. Burruss Institute of Public Services at Kennesaw State College, Georgia, initiated the project in 1991. Volunteer monitors come from four local high schools, the Lake Allatoona Association, and the Lake City B.A.S.S. Club. This wide array of monitors serve to educate the public, students, and individuals who use the lake.

Lake Allatoona is a 12,010-acre lake located in north Georgia. The lake covers three counties and is currently being studied under a U.S. EPA Phase 1 Diagnostic-Feasibility Study Grant. The citizens monitor the tributaries surrounding the lake and also collect data from various lake stations. The data that are collected are stored in a computer data base and are analyzed to monitor the status of the lake.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lake Lanier Citizen's Monitoring Program

E. or M. Mayhew, Math and Science
Gainesville College, P.O. Box 1358
Gainesville, GA 30503

Phone: 404-535-6310
FAX: 404-535-6359

Program Administration

Program Coordinator(s): Edmond & Mary Mayhew
Program Affiliate(s):
Year Founded: 1987 Staff: 2.0 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: √
Federal: 0 Corporate: 0 Other: √

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	100	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	A	Pesticides	
pH	A	Chlorophyll	A
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	A	Coliform Bacteria	A
Phosphorus	A	Other Bacteria	
TSS/TDS	A	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	A	Rainfall	
Secchi Transparency	A	Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Lake Lanier Citizen's Monitoring Program is conducted as a Continuing Education class at Gainesville College. Volunteers pay for the class, and some of the money is used to cover lab expenses.

Volunteers collect water chemistry samples at 100 stations on the lake. At each station, samples are collected at the surface, at 1 m above the bottom, and, where deep enough, at the thermocline. Volunteers also work in the lab, performing various tests including fecal coliform, total phosphorus, and chlorophyll. Thirty-four of the 100 stations are also sampled by professionals at other times. The professional results are used as a quality control check for the volunteers' work.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

North Georgia College Student-Teacher WQ Mon. Program

Water Quality
North Georgia College
Dahlonga, GA 30597

Phone: 706-864-1527
FAX: 706-864-1490

Program Administration

Program Coordinator(s): Susan Gannaway/Mac Callahan
Program Affiliate(s):
Year Founded: 1989 Staff: 2.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 15,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 50 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

The program's state funding consists of Section 319 monies and the federal funding is through the Eisenhower Act.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	4	3
■ River/Stream	20	
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness	M	Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	M
Chlorides	M	Fish	
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD	M	Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	M	Pipe Surveys	
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Oqeechee River Valley Association, Inc.

Oqeechee River Valley Association, Inc.
P.O. Box 459
Eden, GA 31307

Phone: 912-748-5960
FAX: 912-352-1405

Program Administration

Program Coordinator(s): Ralph Yarbrough
Program Affiliate(s):
Year Founded: 1989 Staff: 0.0 Active Volunteers: 200

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Oqeechee River Valley Association was formed in 1989 to attempt to preserve the Oqeechee River.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides	X	Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD	X	Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

SWGA Region Environmental Protection Division

Mrs. Jeanie Brown
2215 Pembroke Drive
Albany, GA 31707

Phone: 912-430-4144
FAX: 912-430-5110

Program Administration

Program Coordinator(s): Tom Payne
Program Affiliate(s): State of GA Dept. of Natural Resources
Year Founded: 1972 Staff: .5 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
☐ Beaches		
■ Wells	NA	
■ Wetlands	NA	

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Canyon Soil Conservation District

Canyon Soil Conservation District
510 Arthur Rd
Caldwell, ID 83605

Phone: 208-454-1064
FAX:

Program Administration

Program Coordinator(s): Lorraine P. Mann
Program Affiliate(s): Idaho Streamwalk
Year Founded: 1992 Staff: 1.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The monitoring program is just getting started. They plan to add more parameters in the future.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	7	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	S
Turbidity		Macroinvertebrates	S
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	A
Salinity		Sediment Assessments	S
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	S

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Cascade Reservoir Association

Cascade Reservoir Association
P.O. Box 638
Donnelly, ID 83615

Phone: 208-325-8608
FAX:

Program Administration

Program Coordinator(s): Monette Baldwin
Program Affiliate(s):
Year Founded: 1988 Staff: 10.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 80 Foundation: 0 Dues: 10
Federal: 0 Corporate: 0 Other: 10

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

This program monitors the Cascade Reservoir.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	4	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH		Chlorophyll	M
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Friends of Lime Creek

Friends of Lime Creek
746 Santa Paula Ct.
Boise, ID 83712

Phone: 208-336-2128
FAX: 208-336-2128

Program Administration

Program Coordinator(s): Gary Richardson
Program Affiliate(s): Idaho Rivers United, Idaho Conservation League
Year Founded: 1987 Staff: 0.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

Friends of Lime Creek is a loosely organized group. Most monitoring consists of reports of observations by recreational hikers, bikers, hunters, and fishers when they visit the area. The group's appeal and settlement of the Sawtooth National Forest management plan resulted in an agreement that Forest Service and state environmental quality personnel would conduct baseline water quality and fisheries monitoring. Lime Creek volunteers stand ready to assist in any such monitoring efforts as needed.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Idaho Citizen Volunteer Monitoring Program

Carla Fromm, Division of Environ. Quality
1410 N. Hilton
Boise, ID 83706-1290

Phone: 208-334-0550
FAX:

Program Administration

Program Coordinator(s): Carla Fromm
Program Affiliate(s): IDEQ/CVMP
Year Founded: 1987 Staff: .2 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 20,000

Percent Funding By Source

State: 25 Foundation: 0 Dues: 0
Federal: 75 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	28	12
■ River/Stream	3	1
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The Idaho Citizen Volunteer Monitoring Program, designed by the North Idaho Lake Association and the Idaho Department of Health and Welfare, Division of Environmental Quality (DEQ), began in 1987. The objectives of the program are to (1) address changes in lake conditions over time where baseline studies have been completed; (2) determine general lake conditions where no information has previously been collected; and (3) provide information for the state's biennial Water Quality Report.

Funding is from a Section 314 CWA grant and a Phase 2 grant for one project.

Monitors generally try to sample once in spring, twice in summer, once in fall.

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	X
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Idaho Streamwalk

Idaho Streamwalk
600 S. Walnut St., P.O. Box 25
Boise, ID 83707

Phone: 208-334-2633
FAX: 208-334-2114

Program Administration

Program Coordinator(s): Julie A. Scanlin
Program Affiliate(s): Idaho Department of Fish and Game
Year Founded: 1992 Staff: 1.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 9,000

Percent Funding By Source

State: 25 Foundation: 0 Dues: 0
Federal: 75 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	35	25
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	Q
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	Q
Alkalinity		Pipe Surveys	
Flow	Q	Watershed Mapping	
Salinity		Sediment Assessments	Q
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lake Pend Oreille Citizen Volunteer Monitoring Program

Clark Forest - Pend Oreille Coalition
P.O. Box 1096
Sandpoint, ID 83864

Phone: 208-263-0347
FAX: 208-263-0347

Program Administration

Program Coordinator(s): Ruth Watkins
Program Affiliate(s): State of Idaho Citizen Volunteer Monitoring Prgm.
Year Founded: 1989 Staff: 1.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 800

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	14	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	M
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Paradise Creek Adopt A Stream

Paloose - Clearwater Environ. Inst.
P.O. Box 8596
Moscow, ID 83843

Phone: 208-882-1444
FAX: 208-882-8029

Program Administration

Program Coordinator(s): Adam Thornbrough
Program Affiliate(s):
Year Founded: 1990 Staff: 1.0 Active Volunteers: 200

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 10 Foundation: 20 Dues: 40
Federal: 0 Corporate: 30 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Data collected by Paradise Creek Adopt A Stream volunteers are used by the conservation district as well as university scientists and local government.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	6	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	X
pH	Q	Chlorophyll	
Hardness	Q	Aquatic Vegetation	Q
Turbidity	Q	Macroinvertebrates	Q
Chlorides	Q	Fish	
Nitrogen	Q	Coliform Bacteria	
Phosphorus	Q	Other Bacteria	
TSS/TDS	Q	Birds/Wildlife	
BOD	Q	Debris Cleanup	A
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	A
Alkalinity		Pipe Surveys	X
Flow	D	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons	X	Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Priest Lake Volunteer Water Monitors

Dean Stevens
P.O. Box 1527
Priest River, ID 83856

Phone: 208-448-2342
FAX:

Program Administration

Program Coordinator(s): Dean Stevens
Program Affiliate(s):
Year Founded: 1986 Staff: 0.0 Active Volunteers: 19

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	M	Chlorophyll	X
Hardness		Aquatic Vegetation	X
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	X
Phosphorus	M	Other Bacteria	
TSS/TDS	BW	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

River Advocate Team

Idaho Rivers United
P.O. Box 633
Boise, ID 83701

Phone: 208-343-7481
FAX: 208-343-8184

Program Administration

Program Coordinator(s): Liz Paul
Program Affiliate(s):
Year Founded: 1992 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 60 Dues: 25
Federal: 0 Corporate: 5 Other: 10

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	100
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The River Advocate Team (RAT) is a volunteer river protection program of Idaho Rivers United. Volunteers participate in this program in order to protect free-flowing rivers. The volunteers, known as RATs, take reponsibility, individually or in small teams, for monitoring Idaho's free-flowing rivers. The volunteers do not conduct water quality testing. They evaluate development proposals and monitor grazing and logging activities. Through monitoring activity on the river, and communicating with state and federal resource management agencies and the public, the RAT can help protect his or her adopted river.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Stream Watch / Water Watch

Idaho Conservation League
P.O. Box 844
Boise, ID 83701

Phone: 208-345-6933
FAX: 208-344-0344

Program Administration

Program Coordinator(s): Patricia Klahr
Program Affiliate(s):
Year Founded: 1992 Staff: 1.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 8,000

Percent Funding By Source

State: 0 Foundation: 20 Dues: 20
Federal: 60 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	3
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	S
Turbidity		Macroinvertebrates	S
Chlorides		Fish	S
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	S
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	S

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Streamwalk Idaho

Idaho Water Resources Research Institute
106 Morrill Hall, Univ. of Idaho
Moscow, ID 83843

Phone: 208-885-6429
FAX: 208-885-6431

Program Administration

Program Coordinator(s): Peggy Hammel & Dottie Kunz Shuman
Program Affiliate(s): Idaho Streamwalk
Year Founded: 1991 Staff: 2.0 Active Volunteers: 350

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 50 Foundation: 10 Dues: 5
Federal: 25 Corporate: 10 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	50	15
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Notes

Streamwalk is a standardized, easy-to-use screening tool for monitoring stream corridor health. It is designed to be used by lay people, including teachers and their students, who are interested in learning more about streams and rivers. To date, 350 middle and high school teachers and 250 volunteers in Idaho have been trained to use Streamwalk. The data collected can be used to focus attention on areas that may be of concern and to help direct further evaluation by experts. The goal is to collect enough good data so that agencies can make comparisons and evaluate trends over time.

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

DuPage County Citizen Stream Monitoring Program

Conservation Foundation of DuPage County
703 Warrenville Rd.
Wheaton, IL 60187

Phone: 708-682-3505
FAX: 708-682-5087

Program Administration

Program Coordinator(s): Steve Leonard, Brook McDonald
Program Affiliate(s): Cons. Fdn. of DuPage Co.; Forest Pres. Dist. of DuPage
Year Founded: 1991 Staff: 2.0 Active Volunteers: 500

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 0 Corporate: 25 Other: 25

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

About 90% of the volunteers in this program are teachers and students. Teachers take their students to monitoring sites along the DuPage River. At each site, participants use kick-seine nets to collect macroinvertebrates within the substrate. The students can then determine the quality of the stream by the amount of diversity in the species of macroinvertebrates collected.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	50	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	Q	Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Frankfort Square Park District Monitoring Program

Frankfort Square Park District
230 Braemar Lane
Frankfort, IL 60423

Phone: 815-469-3524
FAX:

Program Administration

Program Coordinator(s): Sue Plankis
Program Affiliate(s):
Year Founded: 1992 Staff: 1.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 150

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

All funding for the program comes from the Park District and donations from local community groups.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	2	1
■ River/Stream	2	1
☐ Beaches		
☐ Wells		
■ Wetlands	3	

Months In Sampling Season: 2

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	M
Turbidity		Macroinvertebrates	S
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	M
BOD		Debris Cleanup	Q
Dissolved Oxygen	S	Rainfall	
Secchi Transparency	S	Photographic Surveys	A
Alkalinity		Pipe Surveys	Q
Flow		Watershed Mapping	
Salinity	S	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	BM

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Great Lakes Beach Sweep

John G. Shedd Aquarium
1200 S. Lake Shore Drive
Chicago, IL 60605

Phone: 312-939-2426
FAX: 312-939-8069

Program Administration

Program Coordinator(s): Karen Furnweger
Program Affiliate(s): CMC International Coastal Cleanup
Year Founded: 1991 Staff: 10.0 Active Volunteers: 3,700

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: √ Foundation: 0 Dues: 0
Federal: 0 Corporate: √ Other: √

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	NA	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Great Lakes Beach Sweep is a one-day beach cleanup coordinated by Shedd Aquarium in Illinois and the seven other Great Lakes States, as well as Ontario. It is part of the International Coastal Cleanup organized by the Center for Marine Conservation in Washington, DC.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Illinois Rivers Project

Southern Illinois University
Box 2222
Edwardsville, IL 62026

Phone: 618-692-3788
FAX: 618-692-3359

Program Administration

Program Coordinator(s): Dr. Robert Williams/Cindy Bidlack
Program Affiliate(s):
Year Founded: 1990 Staff: 5.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	250	90
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The Illinois Rivers Project is an integrated, multi-dimensional, science, technology, and society project developed to introduce water quality studies into Illinois high schools. At the present time, 250 schools from 23 states form the "River Watch" network, tied together through SOILED NET, a telecommunications system located at Southern Illinois University at Edwardsville. The Rivers Project involves high school science, social studies, and English teachers in an integrated study of their local river and community. Science teachers and students conduct water quality tests; social studies teachers and their students evaluate cultural and historical impacts on the river, along with their relationships to water quality; English teachers and their classes process this information into a publishable collection of writings called "Meanderings," which spans all aspects of river life: past, present, and future.
The "Meanderings" book is available for $12.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Illinois Volunteer Lake Monitoring Program

IEPA, Division of Water Pollution Control
2200 Churchill Rd - #15
Springfield, IL 62794-9276

Phone: 217-782-3362
FAX: 217-782-9891

Program Administration

Program Coordinator(s): Amy Burns
Program Affiliate(s): Illinois Environmental Protection Agency
Year Founded: 1981 Staff: 3.0 Active Volunteers: 250

Total Funding

Approx. Annual Budget: $ 175,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	600	150
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	BW	Rainfall	BW
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Over 250 volunteers take part in the Illinois Volunteer Lake Monitoring Program, which began in 1981 with funding via the Clean Water Act, sections 106 and 205(j).

Volunteers are trained by Illinois EPA and areawide Planning Commission personnel to measure Secchi transparency and total depth and to record field observations on their chosen lake. The information is used by a variety of government and private organizations. This program has attained tremendous success by rewarding volunteers with achievement awards and maintaining contact with the volunteers through publications, training sessions, and annual meetings.

Funding is via Clean Water Act sections 106 and 205(j).

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

River Rescue

Friends of the Des Plaines River
P.O. Box 1162
Des Plaines, IL 60017-1162

Phone: 708-296-6359
FAX:

Program Administration

Program Coordinator(s): Larry Anglada
Program Affiliate(s):
Year Founded: 1991 Staff: 0.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 70
Federal: 0 Corporate: 0 Other: 30

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	8	6
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	BM
Turbidity	BM	Macroinvertebrates	BM
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	BM
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Rivers Curriculum Project

Southern Illinois University
Box 2222
Edwardsville, IL 62026

Phone: 618-692-3788
FAX: 618-692-3359

Program Administration

Program Coordinator(s): Dr. Robert Williams
Program Affiliate(s):
Year Founded: 1991 Staff: 5.0 Active Volunteers: 25,000

Total Funding

Approx. Annual Budget: $ 300,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

The Rivers Curriculum Project is a National Science Foundation-funded project to produce a set of five units based on a one-month study of a local river system. The units being developed are chemistry, biology, earth science, geography, and language arts. Five hundred teachers and 25,000 students are involved in this project.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	250	200
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

RiverWatch Network

Friends of the Fox River, Inc.
P.O. Box 1478
Elgin, IL 60121

Phone: 708-741-1124
FAX:

Program Administration

Program Coordinator(s): Patrick Reese
Program Affiliate(s):
Year Founded: 1989 Staff: 1.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 45,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 95
Federal: 0 Corporate: 5 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	61	NA
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	S
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	A
Alkalinity		Pipe Surveys	A
Flow		Watershed Mapping	A
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

RiverWatch Network is an environmental education and volunteer stewardship program involving 6,000 students and citizens in three stewardship programs: (1) Citizen Stream Monitoring; (2) Annual Fox Rescue; (3) Adopt-A-Stream 2000.

RiverWatch stream monitoring programs provide baseline data, teach stream ecology, and engage citizens in restoration projects.

Fox Rescue is an annual basin-wide cleanup.

Adopt-A-Stream 2000 offers monitoring groups the opportunity to go beyond monitoring and engage in one or more of 10 planned citizen action activities. The program's long-term goal is to enable the adoption of every river and stream mile in the watershed by citizen groups by the year 2000.

The RiverWatch Network's science and technical advisory committee is implementing a GIS information system to report on the health of the watershed.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Salt Creek Watershed

Fullersburg Woods
3609 Spring Rd.
Oak Brook, IL 65021

Phone: 708-790-4900
FAX: 708-850-7701

Program Administration

Program Coordinator(s): Steve Leonard
Program Affiliate(s):
Year Founded: 1992 Staff: 2.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 250

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	2	1
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The program targets an area above and below a manmade waterfall. The upper station creates a profile of the stream using meters to measure the parameters. The station below measures the chemical parameters.

On a monitoring day, a school group monitors both sites using the two different techniques. College students, volunteers, and staff personnel are at each site to help the high school students monitor.

Funding is provided by the Forest Preserve District of DuPage County.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD	M	Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Shorekeepers

Lake Michigan Federation
59 E. Van Buren Ste. 2215
Chicago, IL 60605

Phone: 312-939-0838
FAX: 312-939-2708

Program Administration

Program Coordinator(s): Sophia B. Twichell
Program Affiliate(s):
Year Founded: 1992 Staff: 1.0 Active Volunteers: 150

Total Funding

Approx. Annual Budget: $ 26,000

Percent Funding By Source

State: 0 Foundation: 29 Dues: 13
Federal: 55 Corporate: 2 Other: 1

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

The program monitors all sections of Lake Michigan's shore—whether beach, cliff, marsh, paved or mowed park, or developed area. Volunteers walk the shoreline and record observational data on data sheets. The program is active in Illinois, Indiana, Michigan, and Wisconsin.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
□ River/Stream		
■ Beaches	NA	
□ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	W
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	W
BOD		Debris Cleanup	W
Dissolved Oxygen		Rainfall	W
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Southwestern S.O.S.

Monte Grebner
601 Chestnut Dr.
Warren, IL 61087

Phone: 815-745-2208
FAX: 815-947-3010

Program Administration

Program Coordinator(s): Monte Grebner
Program Affiliate(s): Izaak Walton League / Save Our Streams
Year Founded: 1992 Staff: 3.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 300

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Monte Grebner, coordinator of the Southwestern Chapter of Save Our Streams, works with grade school teachers in the Southwestern school district (grades 5 and 6). The purpose of the program is to make the students aware of water quality problems and conservation in the area.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	12	4
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow	M	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Swamp Squad Wetlands Monitoring Project

Sierra Club
506 S. Wabash #505
Chicago, IL 60605

Phone: 312-431-0158
FAX:

Program Administration

Program Coordinator(s): Adam S. Weinberg
Program Affiliate(s): Sierra Club
Year Founded: 1989 Staff: 1.0 Active Volunteers: 200

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State:	NA	Foundation:	NA	Dues:	NA
Federal:	NA	Corporate:	NA	Other:	NA

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Swamp Squad members adopt wetlands near where they live and/or work. They monitor the wetlands for any signs of construction, filling, or other suspect activity. When activity is noticed, they ensure that the proper permits have been issued and are being followed.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Hoosier Riverwatch

Division of Outdoor Recreation
402 W. Washington, Rm. 271W
Indianapolis, IN 46204

Phone: 317-232-4070
FAX: 317-232-8036

Program Administration

Program Coordinator(s): Dawn Kroh / Tom Kidd
Program Affiliate(s):
Year Founded: 1993 Staff: 2.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 32,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	X	Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

Notes

The Hoosier Riverwatch program is scheduled to begin in the summer of 1993. Over the past two years, the Department of Natural Resources, Division of Outdoor Recreation, has been working on design and development of this volunteer water quality monitoring program. The mission of the Hoosier Riverwatch program is to heighten public awareness of water quality issues and improve riparian stewardship at the local level.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Huntington Chapter, Izaak Walton League

Huntington Chapter, Izaak Walton League
5156 N - 750 W
Andrews, IN 46702

Phone: 219-356-0976
FAX:

Program Administration

Program Coordinator(s): Rex Lange
Program Affiliate(s): Izaak Walton League
Year Founded: NA Staff: 0.0 Active Volunteers: 8

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
■ Wells	NA	
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	X
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Indiana Volunteer Lake Monitoring Program

School of Public & Environmental Affairs
Indiana University
Bloomington, IN 47405

Phone: 812-855-4556
FAX: 812-855-7802

Program Administration

Program Coordinator(s): William W. Jones
Program Affiliate(s): Indiana Clean Lakes Program, Indiana DEM
Year Founded: 1989 Staff: 2.0 Active Volunteers: 80

Total Funding

Approx. Annual Budget: $ 20,000

Percent Funding By Source

State: 10 Foundation: 0 Dues: 0
Federal: 90 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	80	80
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	M
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Indiana Volunteer Lake Monitoring Program was created in 1989 as a component of the Indiana Department of Environmental Management's Indiana Clean Lakes Program. The program is administered through a grant to Indiana University's School of Public and Environmental Affairs. The Indiana Clean Lakes Program is a comprehensive, statewide public lake management program with five components: public information and education, technical assistance, volunteer lake monitoring, lake water quality assessment, and coordination with other state and federal lake programs.

The citizen volunteers allow the Indiana DEM to monitor water quality on many other lakes than would otherwise be possible. In 1992, volunteers on 80 lakes made 556 Secchi disk measurements. In addition, 1992 marked the beginning of an "expanded" program in which volunteers on 30 lakes collected monthly water samples for total phosphorus and chlorophyll analyses. The analyses are conducted in SPEA's Clean Lakes Program laboratory.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Park Tudor School Science Resource Center

Mark Dewart
Park Tudor School, 7200 North College Ave.
Indianapolis, IN 46240

Phone: 317-254-2700
FAX: 317-254-2714

Program Administration

Program Coordinator(s): Mark Dewart
Program Affiliate(s):
Year Founded: 1989 Staff: NA Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	X
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Save Our Streams

Save Our Streams
P.O. Box 413
Sweester, IN 46987

Phone: 317-384-7267
FAX:

Program Administration

Program Coordinator(s): Tim Wentz
Program Affiliate(s): Izaak Walton League
Year Founded: 1985 Staff: 6.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 20
Federal: 0 Corporate: 0 Other: 80

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	3
■ River/Stream	NA	6
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	W
pH	M	Chlorophyll	W
Hardness		Aquatic Vegetation	W
Turbidity		Macroinvertebrates	W
Chlorides		Fish	W
Nitrogen	Q	Coliform Bacteria	W
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	W
BOD		Debris Cleanup	M
Dissolved Oxygen	Q	Rainfall	W
Secchi Transparency		Photographic Surveys	M
Alkalinity	Q	Pipe Surveys	M
Flow	W	Watershed Mapping	Q
Salinity		Sediment Assessments	Q
Metals	M	Site Inspections	M
Hydrocarbons		Habitat Assessments	W

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Water Watchers of Indiana

Penn High School
56100 Bittersweet Rd.
Mishawaka, IN 46545

Phone: 219-259-7961
FAX: 219-258-9543

Program Administration

Program Coordinator(s): Mel Lenig
Program Affiliate(s): Illinois Rivers Project
Year Founded: 1992 Staff: 0.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 50

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	15	9
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness	X	Aquatic Vegetation	Q
Turbidity	Q	Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen	Q	Coliform Bacteria	Q
Phosphorus	Q	Other Bacteria	
TSS/TDS	Q	Birds/Wildlife	Q
BOD	Q	Debris Cleanup	Q
Dissolved Oxygen	Q	Rainfall	X
Secchi Transparency	Q	Photographic Surveys	Q
Alkalinity	Q	Pipe Surveys	
Flow	Q	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

Notes

Water Watchers of Indiana is a non-profit organization that was formed to help educate Indiana students about aquatic resources using a multi-disciplinary approach. The program is based on the Illinois Rivers Project and uses science, social studies, and language arts to test and evaluate local rivers and streams. There are schools in four counties participating at this time. Many other educators have expressed interest in joining, and training is planned for the summer of 1993. The Indiana Association of Soil and Water Conservation Districts and the St. Joseph River Basin Commission are supporting and promoting Water Watchers of Indiana.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Wildcat Guardians Stream Quality Monitoring Program

Wildcat Guardians
P.O. Box 6421
Kokomo, IN 46904-6421

Phone: 317-628-3360
FAX:

Program Administration

Program Coordinator(s): Garry Hill
Program Affiliate(s):
Year Founded: 1993 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State:	0	Foundation:	0	Dues:	100
Federal:	0	Corporate:	0	Other:	0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	30	1
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The Wildcat Guardians is an association of concerned people dedicated to improving the health and beauty of Wildcat Creek. The Wildcat Guardians Stream Quality Monitoring Program is still in the planning stages. The Guardians plan on monitoring 20 to 40 river and stream stations on a quarterly basis.

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity	X	Macroinvertebrates	Q
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD	Q	Debris Cleanup	X
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow	Q	Watershed Mapping	X
Salinity		Sediment Assessments	Q
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	Q

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Five Island Lake Restoration

Five Island Lake Restoration
86 Lakeshore Drive
Emmetsburg, IA 50536

Phone:
FAX:

Program Administration

Program Coordinator(s): James L. Coffey
Program Affiliate(s):
Year Founded: 1989 Staff: 0.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 7,500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Information gathered by the Five Island Lake Restoration will be used in a grant application for Clean Lakes Program funding.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	5	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	BW
Hardness		Aquatic Vegetation	BW
Turbidity		Macroinvertebrates	
Chlorides		Fish	BW
Nitrogen	BW	Coliform Bacteria	BW
Phosphorus	BW	Other Bacteria	
TSS/TDS	BW	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity	BW	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Upper Big Mill Creek Project

Mr. Darcy Lee Keil
13668 85th St.
Maquoketa, IA 52060-8953

Phone: 319-652-4403
FAX:

Program Administration

Program Coordinator(s): Darcy Lee Keil
Program Affiliate(s): Izaak Walton League
Year Founded: 1993 Staff: 1.0 Active Volunteers: 3

Total Funding

Approx. Annual Budget: $ 60,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

The Upper Big Mill Creek Project shares its data with the Izaak Walton League Save Our Streams program. The annual budget is contingent on a Clean Water Act Section 319 grant.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	5	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	BW
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	M
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	A
Salinity		Sediment Assessments	A
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Kansas High School Stream Project

Kansas High School Stream Project
Forbes Field, Building 740
Topeka, KS 66620

Phone: 913-296-5573
FAX: 913-296-6247

Program Administration

Program Coordinator(s): Philip Brink
Program Affiliate(s): Kansas Dept. of Health and Environment
Year Founded: 1992 Staff: 1.0 Active Volunteers: 110

Total Funding

Approx. Annual Budget: $ 34,600

Percent Funding By Source

State: 40 Foundation: 0 Dues: 0
Federal: 60 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	11
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	X
pH	BW	Chlorophyll	S
Hardness		Aquatic Vegetation	S
Turbidity	BW	Macroinvertebrates	S
Chlorides		Fish	S
Nitrogen	BW	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS	BW	Birds/Wildlife	S
BOD		Debris Cleanup	X
Dissolved Oxygen	BW	Rainfall	X
Secchi Transparency		Photographic Surveys	X
Alkalinity	BW	Pipe Surveys	X
Flow	BW	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals	BW	Site Inspections	X
Hydrocarbons		Habitat Assessments	A

Notes

The nonpoint source pollution section of the Kansas Department of Health and Environment has recently initiated a project, with partial funding from the EPA, called the Kansas High School Stream Project. This project provides analytical and computer equipment, stream monitoring supplies, stipends to participating teachers, and guidance to several high school biology instructors around the state to help them establish local stream and lake monitoring networks. The project is designed to educate students and teachers about water quality and conditions in their local area through regular collection and analysis of water samples and physical evaluation of streams and the surrounding watershed. The participants will also identify known and suspected pollutant sources and initiate local public information campaigns to educate communities about the importance of controlling nonpoint source pollution.

Eleven high schools throughout the state are participating in the project. The participating schools will report their data to the Kansas Department of of Health and Environment and the many other schools around the state via computer link called the Kansas Environmental Monitoring Network (KEMNET).

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Doe Run Lake Water Watch

Kenton County Conservation District
6028 Camp Ernst Road
Burlington, KY 41005

Phone: 606-586-7903
FAX:

Program Administration

Program Coordinator(s):
Program Affiliate(s): Kentucky Water Watch
Year Founded: 1991 Staff: 1.0 Active Volunteers: 3

Total Funding

Approx. Annual Budget: $ 600

Percent Funding By Source

State: 80 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 20

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen		Rainfall	X
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	M
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Gateway NPS Project

Gateway NPS Project, Barry Tonning
Box 555
Owingsville, KY 40360

Phone: 606-674-6396
FAX:

Program Administration

Program Coordinator(s): Grace Eddison
Program Affiliate(s): Gateway District Health Department
Year Founded: 1991 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 3,000

Percent Funding By Source

State: 20 Foundation: 0 Dues: 0
Federal: 80 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	7
☐ Beaches		
☐ Wells		
☐ Wetlands		

Notes

The Gateway Nonpoint Source project is part of the Gateway Region Environment-Education Network (GRE-EN). GRE-EN recently received a grant to identify and seek to remedy various sources of nonpoint pollution in surface waters. Three district school systems have developed Water Watch projects to perform chemical/biological analyses and monitoring tasks on surface streams. Staff and volunteers have also conducted more than 100 workshops and presentations to schools and community groups.

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Guano Grotto Wet Cave pH Network

Guano Grotto Wet Cave pH Network
1705 Olive St.
Murray, KY 42071

Phone: 502-762-2103
FAX: 502-762-3889

Program Administration

Program Coordinator(s): John Guyton
Program Affiliate(s):
Year Founded: 1992 Staff: 3.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

The Guano Grotto Cave Group has initiated a pH monitoring project to establish baseline data on Southeastern U.S. caves. This project is establishing a data base containing this data. Many caves will be visited only once to collect data; however, several caves have been identified for monthly or seasonal monitoring.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Kentucky Water Watch

Kentucky Water Watch
14 Reilly Rd.
Frankfort, KY 40601

Phone: 800-928-0045
FAX: 502-564-4245

Program Administration

Program Coordinator(s): Ken Cooke
Program Affiliate(s): Kentucky Division of Water
Year Founded: 1985 Staff: 2.0 Active Volunteers: 1,000

Total Funding

Approx. Annual Budget: $ 135,000

Percent Funding By Source

State: 70 Foundation: 0 Dues: 0
Federal: 20 Corporate: 10 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Water Watch is a program conducted by the Kentucky Division of Water with services designed to encourage and support citizen participation in the wise management of community water resources including streams, lakes, wetlands and groundwater. Water Watch programs include Water Quality Monitoring, Community Education, Leadership Development, and Community Organization.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	32	30
■ River/Stream	NA	160
□ Beaches		
□ Wells		
■ Wetlands	25	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness	M	Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides	M	Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	BW	Photographic Surveys	Q
Alkalinity	M	Pipe Surveys	X
Flow	M	Watershed Mapping	X
Salinity	M	Sediment Assessments	M
Metals	M	Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Save Our Streams

Save Our Streams - IWLA, Northern Kentucky
P.O. Box 18374
Erlanger, KY 41018

Phone: 606-356-9670
FAX:

Program Administration

Program Coordinator(s): Terre Giglio
Program Affiliate(s): Izaak Walton League of America
Year Founded: 1991 Staff: 0.0 Active Volunteers: 8

Total Funding

Approx. Annual Budget: $ 50

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine	NA	2
☐ Lake/Pond/Reservoir		
■ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides	M	Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

UV - B Monitoring Network

UV - B Monitoring Network
1705 Olive St.
Murray, KY 42071

Phone: 502-762-2103
FAX: 502-762-3889

Program Administration

Program Coordinator(s): Dr. John Guyton
Program Affiliate(s): Science Probe Atmospheric Network
Year Founded: 1992 Staff: 2.0 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 75 Foundation: 0 Dues: 0
Federal: 0 Corporate: 25 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Kentucky UV-B Monitoring Network was initially composed of 105 monitoring sites, including five in Russia. The Network was established by Dr. John Guyton at Murray State University to monitor ultraviolet - B radiation. The Network has grown to over 150 sites and is still expanding. The project was funded by an Eisenhower grant from the Kentucky State Department of Education and a grant from Martin Marietta Energy Systems Paducah Gaseous Diffusion Plant. The involvement of school children helps to develop their sense of responsibility while collecting real data. Students are also using the data for research projects in their schools. A newsletter serves as the principal organizing element in networking the schools involved in the effort.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Bogue Falaya Citizens' Monitoring Pilot Project

Lake Pontchartrain Basin Foundation
P.O. Box 6965
Metairie, LA 70009-6965

Phone: 504-836-2215
FAX: 504-836-7283

Program Administration

Program Coordinator(s): Clifford Kenwood
Program Affiliate(s):
Year Founded: 1993 Staff: 1.3 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 60,805

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 66 Corporate: 0 Other: 34

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	1
■ River/Stream	15	1
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The purpose of the pilot project is to assess the quality of the volunteer-collected data and to use the volunteer-collected data for nonpoint source education in the Bogue Falaya River basin and throughout the state. The pilot program is using the Save Our Streams methodology developed by the Izaak Walton League of America.
The program is funded by an EPA section 319 grant administered by the Louisiana Department of Environmental Quality's Nonpoint Division.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	BM
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	BM
Dissolved Oxygen		Rainfall	BM
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	A
Flow	BM	Watershed Mapping	A
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Citizens for a Clean Tangipahoa

Citizen for a Clean Tangipahoa
P.O. Box 128
Hammond, LA 70454

Phone: 504-386-4426
FAX: 504-549-5092

Program Administration

Program Coordinator(s): Robert Hastings
Program Affiliate(s):
Year Founded: 1991 Staff: 0.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	S
Dissolved Oxygen		Rainfall	D
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Citizens for a Clean Tangipahoa (CFACT) is a nonprofit grassroots organization dedicated to the restoration and protection of the Tangipahoa River in southeastern Louisiana as a natural and scenic waterway. Prior to 1987, the Tangipahoa River was a major recreational waterway for southeast Louisiana. Some 200,000 visitors used the river each year for activities such as swimming, tubing, canoeing, and fishing. Unfortunately, environmental degradation of the river has increased in recent years. Water quality studies of the river showed fecal coliform levels which posed a significant health risk, and in 1988 the river was posted as unsafe for boating and swimming. The resultant economic loss to the region has been estimated at $4.5 million per year. CFACT was formed in February 1991 as a citizen action group to publicize this situation and its causes, and work on possible solutions.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Keep Louisiana Beautiful

Litter Reduction and Public Action
P.O. Box 94291
Baton Rouge, LA 70804-9291

Phone: 504-342-8148
FAX: 504-342-3207

Program Administration

Program Coordinator(s): Barbara Coltharp Kalivoda
Program Affiliate(s):
Year Founded: 1981 Staff: 3.0 Active Volunteers: 25,000

Total Funding

Approx. Annual Budget: $ 150,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	3
■ Beaches	NA	
☐ Wells		
☐ Wetlands		

Notes

Keep Louisiana Beautiful sponsors an annual cleanup of public lands within the state.

Months In Sampling Season:

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

LDEQ Water Quality Monitoring Demonstration Project

LDEQ Office of Water Resources
P.O. Box 82215
Baton Rouge, LA 70884-2215

Phone: 504-765-0511
FAX: 504-765-0634

Program Administration

Program Coordinator(s): Jan Boydstun
Program Affiliate(s):
Year Founded: 1993 Staff: NA Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine	NA	NA
☐ Lake/Pond/Reservoir		
■ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Louisiana Department of Environmental Quality is in the process of initiating a citizen's monitoring demonstration project. The primary objectives of the project are to (1) increase citizens' awareness of the watershed concept and associated water quality issues; (2) establish working relationships with local citizens' and advocacy groups; and (3) determine the appropriate uses of data collected through a controlled citizen monitoring program.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Louisiana Beach Adoption Program, Fourchon Beach

Minerals Management Service
1201 Elmwood Park Blvd.
New Orleans, LA 70123

Phone: 504-736-2780
FAX: 504-736-2610

Program Administration

Program Coordinator(s): Villere Reggio
Program Affiliate(s): Take Pride Gulf-Wide
Year Founded: 1987 Staff: 1.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Two miles of beach (one mile of Gulf front beach and one mile of bay front beach) are monitored twice a year.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	NA	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 2

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	S
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Tangipahoa and Tickfaw Basin Citizens' Monitoring Program

Lake Pontchartrain Basin Foundation
P.O. Box 6965
Metairie, LA 70009-6965

Phone: 504-836-2215
FAX: 504-836-2215

Program Administration

Program Coordinator(s): Clifford Kenwood
Program Affiliate(s): Citizens for a Clean Tangipahoa; Tickfaw River Basin
Year Founded: 1993 Staff: 1.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 11,638

Percent Funding By Source

State: 0 Foundation: 0 Dues: 25
Federal: 0 Corporate: 75 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

The program is a joint effort of the Lake Pontchartrain Basin Foundation, Citizens for a Clean Tangipahoa, the Tickfaw River Basin Group, and the Natalbany River Group.
The program is funded by an equipment grant by Kentwood Spring Water of New Orleans, Louisiana, and the participating groups.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	30	3
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Bagaduce Water Watch

Castine Conservation Trust
P.O. Box 421
Castine, ME 04421

Phone: 207-326-9711
FAX:

Program Administration

Program Coordinator(s): Don Blomquist
Program Affiliate(s): Shore Stewards Program / UM Cooperative Extension
Year Founded: 1992 Staff: 0.0 Active Volunteers: 18

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 0 Foundation: 75 Dues: 20
Federal: 0 Corporate: 0 Other: 5

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	10	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Notes

The Bagaduce Water Watch was formed in 1992 to implement a program of ongoing water quality monitoring of the marine estuary in the Castine, Brooksville, and Penobscot area. The purpose of the program is to assist the Department of Marine Resources and local officials in identifying sources of pollution in the estuary, with the hope that pollution can be abated and that areas closed to shellfishing can be reopened. Another goal is to establish baseline data to determine the present condition of the estuary and to evaluate the effect of future shoreline development on water quality.

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity	X	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Clean Water Program

University of Maine Cooperative Extension
375 Main St.
Rockland, ME 04841

Phone: 207-594-2104
FAX: 207-594-0801

Program Administration

Program Coordinator(s): Esperanza Stancioff
Program Affiliate(s): Shore Stewards Program/Maine Coastal Program
Year Founded: 1988 Staff: 1.5 Active Volunteers: 600

Total Funding

Approx. Annual Budget: $ 40,000

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	285	
□ Lake/Pond/Reservoir		
■ River/Stream	150	10
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	A
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	BW
Phosphorus		Other Bacteria	
TSS/TDS	BW	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	BW
Secchi Transparency	BW	Photographic Surveys	S
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

Notes

In 1988, the University of Maine Cooperative Extension began helping two midcoast citizen groups develop and implement monitoring programs. The program is now called the Clean Water Program and provides organizational and technical assistance and training statewide to coastal volunteer monitoring programs. Cooperative Extension works with these local programs in conjunction with the State Planning Office's Partners in Monitoring Program.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Damariscotta River Association Tidewater Watch

Damariscotta River Association
P.O. Box 333
Damariscotta, ME 04543

Phone:
FAX:

Program Administration

Program Coordinator(s): William Mook
Program Affiliate(s):
Year Founded: 1989 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 3,500

Percent Funding By Source

State: 0 Foundation: 30 Dues: 0
Federal: 70 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	25	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	X	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Deer Isle Partners in Monitoring Program

Dud Hendrick
Main Street
Deer Island, ME 04627

Phone: 207-348-6615
FAX:

Program Administration

Program Coordinator(s): Dud Hendrick / Pat Weirs
Program Affiliate(s): Shore Stewards Partnership, U. of ME Coop. Ext.
Year Founded: 1992 Staff: 0.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Deer Isle Partners in Monitoring Program was begun in the summer of 1992 under the auspices of the Shore Stewards Program. The focus of the group has been on shellfishing access. The group works with the Department of Marine Resources and is hopeful that data collected will eventually lead to the re-opening of closed shellfish beds.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	15	
■ Lake/Pond/Reservoir	1	2
■ River/Stream	4	3
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	BW
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Freeport Conservation Commission

Freeport Cons. Comm. c/o Town Office Bldg.
Main Street
Freeport, ME 04032

Phone: 207-865-4743
FAX: 207-865-0929

Program Administration

Program Coordinator(s): Jaqualine Cohen / David Whitten
Program Affiliate(s):
Year Founded: 1974 Staff: 1.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: √ Foundation: √ Dues: 0
Federal: √ Corporate: √ Other: √

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- □ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	70	
□ Lake/Pond/Reservoir		
■ River/Stream	60	3
□ Beaches		
□ Wells		
■ Wetlands	35	

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons	X	Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Georges River Land Trust

Georges River Land Trust
Box 133
So. Thomaston, ME 04858

Phone: 207-594-5166
FAX:

Program Administration

Program Coordinator(s): Malcolm Von Saltza
Program Affiliate(s):
Year Founded: 1987 Staff: 0.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 200

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	15	5
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	S	Macroinvertebrates	S
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	S	Debris Cleanup	A
Dissolved Oxygen	S	Rainfall	M
Secchi Transparency	S	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	S	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Georges River Tidewater Association

Georges River Tidewater Association
P.O. Box 126
Rockland, ME 04841

Phone: 207-354-2234
FAX:

Program Administration

Program Coordinator(s): Jonathan Eaton
Program Affiliate(s):
Year Founded: 1988 Staff: .5 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 2,500

Percent Funding By Source

State: 30 Foundation: 0 Dues: 30
Federal: 40 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Federal funding for the program comes from Sea Grant, while state funding comes from the Shore Stewards Partnership Program.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	20	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	BW
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	A	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Georgetown Shellfish Committee

Georgetown Shellfish Committee
Town Office
Georgetown, ME 04548

Phone: 207-371-2820
FAX:

Program Administration

Program Coordinator(s): Hal Bonner
Program Affiliate(s): Maine Dept. of Marine Resources
Year Founded: 1990 Staff: 0.0 Active Volunteers: 7

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	30	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	1	
■ Wells	2	
■ Wetlands	2	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	BW
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The Georgetown Shellfish Committee (GSC) is a town committee appointed by the Selectmen. The committee is very active and works closely with area biologists from the Department of Marine Resources (DMR) to monitor the area's water. Committee members participate in a regular water sampling program. Samples, which are taken biweekly April through December and monthly the rest of the year, are analyzed by the DMR. The GSC compiles a database which they share with other shellfish committees and groups working for coastal clean-up and improved water quality.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Islesboro Water Quality Club

Islesboro Islands Trust
P.O. Box 182
Islesboro, ME 04848

Phone: 207-734-6907
FAX: 207-734-6747

Program Administration

Program Coordinator(s): Stephen Miller
Program Affiliate(s): Shore Stewards / UMO Extension
Year Founded: 1992 Staff: .3 Active Volunteers: 14

Total Funding

Approx. Annual Budget: $ 1,200

Percent Funding By Source

State: 50 Foundation: 50 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	6	
□ Lake/Pond/Reservoir		
□ River/Stream		
■ Beaches	1	
□ Wells		
■ Wetlands	1	

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	BW
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Kittery Conservation Commission

Kittery Conservation Commission
P.O. Box 808
Kittery, ME 03904

Phone: 207-439-7511
FAX:

Program Administration

Program Coordinator(s): Conrad Quimby
Program Affiliate(s): Maine Shore Stewards Partnership Program
Year Founded: 1970 Staff: 0.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 50 Foundation: 25 Dues: 0
Federal: 0 Corporate: 0 Other: 25

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	10	
□ Lake/Pond/Reservoir		
□ River/Stream		
■ Beaches	2	
□ Wells		
■ Wetlands	1	

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus	A	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Kittery Water Monitoring program is a two-purpose effort designed to involve the community in water quality awareness and to improve local tidal waters for recreational uses. After two years of water monitoring by volunteer adults, the program has now expanded to the local school system. The high school has been equipped with water testing equipment in its science lab, and middle school teachers are working on designing a curriculum unit on nonpoint pollution. The latter two efforts have been supported in part by small state and foundation grants solicited by the Conservation Commission.

Results of the group's findings have been used to alert enforcement agencies to water quality violators and to gain state approval to open a large tidal embayment to depuration harvesting of softshell clams, which is an important industry in Maine. In time, we look forward to further improvement in water quality so that these waters may be opened to recreational harvesting, as well.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lakes Environmental Association

Lakes Environmental Association
102 Main St.
Bridgton, ME 04009

Phone: 207-647-8580
FAX: 207-647-9541

Program Administration

Program Coordinator(s): Roberta Hill-Burdett
Program Affiliate(s):
Year Founded: 1970 Staff: 1.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	25	21
■ River/Stream	15	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	M	Chlorophyll	M
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus	BW	Other Bacteria	X
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	W
Secchi Transparency	BW	Photographic Surveys	X
Alkalinity	M	Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Maine's Voluntary Anglers

Maine Dept. Inland Fisheries
650 State Street
Bangor, ME 04401-5654

Phone: 207-941-4457
FAX: 207-941-4443

Program Administration

Program Coordinator(s): Dr. Joan Trial
Program Affiliate(s):
Year Founded: 1960 Staff: 8.0 Active Volunteers: 750

Total Funding

Approx. Annual Budget: $ 60,000

Percent Funding By Source

State: 25 Foundation: 0 Dues: 0
Federal: 75 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir		80
■ River/Stream		25
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

This program offers anglers the opportunity to contribute data for the management of sport fisheries throughout Maine and to maintain a personal record of their angling experiences. It provides the Department of Inland Fisheries and Wildlife with data on the quality of the fisheries in over 200 lakes, ponds, and streams annually.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Marshwood High School Environmental Club

Marshwood High School
204 Dow Highway
Eliot, ME 03903

Phone: 207-439-5600
FAX:

Program Administration

Program Coordinator(s): Joyce Tugel
Program Affiliate(s): Great Bay Watch
Year Founded: 1992 Staff: 0.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	1	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	BW
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Pemaquid Watershed Association's Water Quality Monitoring

Peter Fischer
HC 61 Box 184
Bristol, ME 04539

Phone: 207-563-8086
FAX:

Program Administration

Program Coordinator(s): Peter Fischer
Program Affiliate(s): UNH Lakes Lay Monitoring Pgm.; Maine DEP
Year Founded: 1988 Staff: 0.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 1,800

Percent Funding By Source

State: 0 Foundation: 0 Dues: 40
Federal: 0 Corporate: 0 Other: 60

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

Sixty percent of the funding for the UNH Lakes Lay Monitoring Program comes from the four towns in which the bulk of the Pemaquid River watershed lies. The citizens are asked for funding at each year's annual meeting.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	7	6
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH		Chlorophyll	BW
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Scarborough Coastal Pollution Committee

Denis Netto
2 Carriage Way
Scarborough, ME 04074

Phone: 207-883-5683
FAX:

Program Administration

Program Coordinator(s): Denis Netto/Richard Haehnel
Program Affiliate(s):
Year Founded: 1991 Staff: 9.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 3,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	20	
□ Lake/Pond/Reservoir		
■ River/Stream	24	10
■ Beaches	4	
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	BW
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen	BW	Rainfall	D
Secchi Transparency		Photographic Surveys	A
Alkalinity		Pipe Surveys	
Flow	BW	Watershed Mapping	A
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	A
Hydrocarbons		Habitat Assessments	

Notes

The Scarborough Coastal Pollution Commission (SCPC) is a nine-member town committee, with members from diversified educational and professional backgrounds. The committee acts as an advisory body (not as an enforcement body) to the town council on the types and sources of pollution affecting the town's coastal and inland waters and Scarborough's active clamming industry. The SCPC is working diligently to get rid of the pollution responsible for the closure of 25% of the town's 150 acres of clam flats.

Volunteer monitors collect samples and measure temperature, salinity, pH, and fecal coliform bacteria biweekly (year-round). Dissolved oxygen profiles are performed at least monthly, and complete watershed surveys have been performed for the past two years. At least 24 monitoring stations are located throughout the Scarborough River watershed, which encompasses more than 58 square miles of marine/estuarine waters and freshwater tributaries. Volunteers include students and teachers from Scarborough High School, as well as several citizens from the community.

A grant from the Shore Stewards Partnership (administered by the Maine Coastal Program) enabled the SCPC to fully equip the high school laboratory with state-of-the-art instrumentation for water quality testing. Members are actively developing pamphlets, an educational display, a public workshop, and a video presentation with funds awarded from an EPA 319 grant.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Shore Stewards Partnership

ME Coastal Program/State Planning Office
State House Station 38
Augusta, ME 04333

Phone: 207-287-3261
FAX: 207-287-6489

Program Administration

Program Coordinator(s): Kathleen Leyden
Program Affiliate(s): Univ. ME Cooperative Extension's Clean Water Program
Year Founded: 1990 Staff: 1.0 Active Volunteers: 600

Total Funding

Approx. Annual Budget: $ 100,000

Percent Funding By Source

State: 20 Foundation: 10 Dues: 0
Federal: 70 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	285	
□ Lake/Pond/Reservoir		
■ River/Stream	150	10
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	BW
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	BW
BOD		Debris Cleanup	X
Dissolved Oxygen	BW	Rainfall	BW
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Shore Stewards Partnership at the Maine State Planning Office brings together citizen volunteers, educators, policy makers and scientists in an effort to help Maine's coastal communities reduce marine pollution and protect coastal waters. The Partnership (in existence since 1990) uses a unique combination of technical and organizational contributions from the state government, Cooperative Extension, the University system and private philanthropy to offer assistance to local groups such as conservation commissions, shellfish committees, land trusts, and watershed associations. The Partnership facilitates its objectives through work in four primary areas: information, funding, data management, and a pilot project with schools and communities called "Partners in Monitoring."

The Partnership receives part of its funding from a CZMA section 306 grant. In the future, information collected by the Partnership will be used in preparing the state's 305(b) Water Quality report.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

State of Maine Volunteer Lake Monitoring Program

State of Maine DEP
Station 17
Augusta, ME 04333

Phone: 207-287-3901
FAX: 207-287-7826

Program Administration

Program Coordinator(s): Webster Pearsall
Program Affiliate(s): State of Maine Dept. of Environmental Protection
Year Founded: 1974 Staff: .3 Active Volunteers: 275

Total Funding

Approx. Annual Budget: $ 6,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	300
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The program started in 1974 and has been under the supervision of the DEP since 1977. The program's objectives are: collection of a long-term data base, education, and cross communication between state and public sectors. Over 275 volunteers monitor transparency biweekly in conjunction with the DEP's periodic sampling. On many lakes temperature and dissolved oxygen are also recorded. The program involves individuals, lake associations, and state and federal agencies, and recently became international in scope by involving New Brunswick citizens to monitor Canadian waters that flow into international boundary waters. This program has proved invaluable in obtaining data on lakes that otherwise would not be sampled.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Town of Waldoboro Conservation Commission

Town of Waldoboro Conservation Commission
Route 1
Waldoboro, ME 04572

Phone: 207-942-0441
FAX:

Program Administration

Program Coordinator(s): W. Crouss / E. Niegleb
Program Affiliate(s):
Year Founded: NA Staff: 2.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 0 Corporate: 30 Other: 20

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	X
TSS/TDS		Birds/Wildlife	
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	X	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Water Quality Monitoring Program

Friends of Casco Bay
2 Fort Rd.
South Portland, ME 04106

Phone: 207-799-8574
FAX: 207-767-2731

Program Administration

Program Coordinator(s): Joseph Payne (Casco Baykeeper)
Program Affiliate(s):
Year Founded: 1992 Staff: 1.0 Active Volunteers: 80

Total Funding

Approx. Annual Budget: $ 65,000

Percent Funding By Source

State:	15	Foundation:	15	Dues:	5
Federal:	60	Corporate:	5	Other:	0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	40	
□ Lake/Pond/Reservoir		
□ River/Stream		
■ Beaches	16	
□ Wells		
■ Wetlands	3	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	X	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Water Quality Monitoring Program was formed in 1992 and expanded in 1993. A total of 80 volunteers from communities along Casco Bay's shore and islands will be involved in monitoring the Bay.

The program has three segments. In the first segment, which will run April through October, each volunteer will be responsible for taking surface samples biweekly at one of approximately 40 sites. The samples will be analyzed on-site for temperature, dissolved oxygen, pH, and salinity. Secchi disks will be used to get an indication of clarity.

In the second segment, volunteers will assist in taking water column profiles from the Baykeeper boat. Profiles will be taken for temperature, dissolved oxygen, and salinity using YSI meters. Sampling will be conducted year-round, biweekly March through November and monthly December through February, at approximately 8 sites in deep water, mid-channel, off a submerged discharge, or some other area accessible only by boat.

In the third segment, fecal coliform monitoring will be conducted at approximately 11 closed shellfish beds. One or two volunteer boat crews will collect samples monthly, May through November, and transport them to the Maine Dept. of Marine Resources lab in Boothbay for immediate analysis.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Wells Reserve Watershed Evaluation Team (W.E.T.)

The Wells Reserve
RR #2, Box 806
Wells, ME 04090

Phone: 207-646-1555
FAX: 207-646-2930

Program Administration

Program Coordinator(s): Michele Dionne and Mitchell Kreaden
Program Affiliate(s): Wells N.E.R.R.
Year Founded: 1991 Staff: .2 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 3,000

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	12	
☐ Lake/Pond/Reservoir		
■ River/Stream	4	4
■ Beaches	4	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	BW
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	BW
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	BW
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Wells Reserve was designated as part of the National Estuarine Research Reserve System in 1984. It protects 1600 acres of estuarine waters, marshes, shoreland, and adjacent uplands.

The Wells Reserve Watershed Evaluation Team (W.E.T.) was established in the fall of 1991. Citizens from several communities in York County, Maine, came together under the direction of the Reserve staff and began the process of characterizing and monitoring the aquatic environment of the Little and Webhannet River estuaries to gain an understanding of spatial and temporal trends in the aquatic conditions of these estuaries and to identify sources of pollution. Monitoring is performed by citizen volunteers and local school groups throughout the year on a monthly and bimonthly basis. Volunteers sample up to 20 sites on the Little and Webhannet Rivers and perform the laboratory tests on these samples to measure water temperature, salinity, pH, dissolved oxygen, fecal coliform, and chlorophyll.

Information yielded by this effort is valuable as baseline data for research conducted at the Reserve and may help in guiding current management efforts or establishing new management priorities. Information on sources of pollution in the estuaries is provided to local officials and state resource managers. The longterm goal of the program is to better understand the relationship between estuarine ecological conditions and human land use in surrounding watersheds.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Anacostia Watershed Society

Anacostia Watershed Society
5110 Roanoke Place
College Park, MD 20740

Phone: 301-513-0316
FAX: 301-513-9321

Program Administration

Program Coordinator(s): Robert Boone
Program Affiliate(s):
Year Founded: 1993 Staff: 1.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 95 Dues: 1
Federal: 0 Corporate: 0 Other: 4

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- □ Local Government
- □ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
□ Lake/Pond/Reservoir		
■ River/Stream	NA	4
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Anne Arundel County Volunteer Water Quality Monitoring

Office of Planning and Zoning
P.O. Box 6675, MS6303
Annapolis, MD 21404

Phone: 410-222-7441
FAX: 410-222-7255

Program Administration

Program Coordinator(s): Patricia Haddon
Program Affiliate(s):
Year Founded: 1986 Staff: 2.0 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ 40,000

Percent Funding By Source

State: 0 Foundation: 10 Dues: 0
Federal: 0 Corporate: 0 Other: 90

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	100	
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	W
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Estuarine tributaries to the Chesapeake Bay are monitored by volunteers at approximately 100 stations. Water parameters measured include pH (LaMotte wide range color comparator), dissolved oxygen (LaMotte Winkler kit), water clarity (Secchi), depth, salinity, and temperature. Air temperature, rainfall, and current weather conditions are also monitored. Funding comes primarily from the county budget, but has also been provided through grants from the Chesapeake Bay Trust. The monitoring data are used for baseline studies, education, watchdogging, and long-term trend assessment for planning and development within the watershed.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Audubon Naturalist Society

Audubon Naturalist Society
8940 Jones Mill Rd.
Chevy Chase, MD 20815

Phone: 301-652-9188
FAX: 301-951-7179

Program Administration

Program Coordinator(s): Stephanie Mason
Program Affiliate(s): Maryland Vol. Water Quality Monitoring Assoc.
Year Founded: 1992 Staff: 2.0 Active Volunteers: 75

Total Funding

Approx. Annual Budget: $ 14,000

Percent Funding By Source

State: 0 Foundation: √ Dues: 0
Federal: 0 Corporate: 0 Other: √

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Notes

All parameters are measured three times a year (May, July, and September).

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	17	11
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Bluebird Trail Monitoring

Black Hill Visitor Center
20926 Lake Ridge Dr.
Boyds, MD 20841

Phone: 301-916-0220
FAX:

Program Administration

Program Coordinator(s): Denise Gibbs
Program Affiliate(s): MNCPPC-Department of Parks, Montgomery County
Year Founded: 1990 Staff: 2.0 Active Volunteers: 54

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Bluebird Trail Monitoring program monitors 178 bluebird nesting boxes located in park areas. Habitats include fields, golf courses, and mowed areas. The monitoring is carried out weekly from April through August. The data are used by the North American Bluebird Society.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	W
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	W

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Carroll County Citizens Water Quality Monitoring

Ellsworth G. Acker
2204 Cherokee Dr.
Westminster, MD 21157

Phone: 410-875-2839
FAX:

Program Administration

Program Coordinator(s): Ellsworth G. Acker
Program Affiliate(s):
Year Founded: 1989 Staff: 5.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 800

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	4	1
■ River/Stream	10	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Notes

The Carroll County Citizens Water Quality Monitoring Program monitors the Piney Run Reservoir and its feeder streams. In two years the Piney Run Resevoir will supply parts of Carroll County with drinking water. The program is also monitoring the water quality at Gillis Falls, another potential reservoir.

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	M
Turbidity		Macroinvertebrates	M
Chlorides		Fish	M
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	M
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Chesapeake Bay Citizens Monitoring Program - MD

Alliance for the Chesapeake Bay, Inc
6600 York Road, Suite 100
Baltimore, MD 21212

Phone: 410-377-6270
FAX: 410-377-7144

Program Administration

Program Coordinator(s): Kathleen Ellett
Program Affiliate(s): Alliance for the Chesapeake Bay, Inc.
Year Founded: 1985 Staff: 1.0 Active Volunteers: 17

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	19	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	A
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	BM	Coliform Bacteria	
Phosphorus	BM	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	W
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Nineteen sites on three rivers in Maryland—the Patuxent, Middle, and Severn—are monitored weekly for temperature, pH, Secchi disk depth, salinity (by hydrometer), and dissolved oxygen (LaMotte Winkler kit). Samples are collected and later analyzed in a laboratory for nitrogen, phosphorus, and ammonia at 10 sites on the Patuxent. The program involves approximately 17 volunteers and one staff person.

Quality-assured data for long-term tracking of changes in water quality have been collected since 1985. Data are currently being used in a comparison of water quality between shallow water habitat areas and mid-channel in the Patuxent River. Data are stored in the Chesapeake Bay Program Computer Center. This program is funded by a grant from EPA Chesapeake Bay Program.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Chester River Association

Chester River Association
359 High Street
Chestertown, MD 21620

Phone: 410-778-3100
FAX:

Program Administration

Program Coordinator(s): Steve Wildberger/ George Radcliffe
Program Affiliate(s):
Year Founded: 1993 Staff: 1.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 4,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 0 Corporate: 50 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	9	
□ Lake/Pond/Reservoir		
■ River/Stream	9	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	BW	Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	X
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Chester River Association (CRA) was founded in 1986 as an umbrella group of citizens and organizations to help preserve the natural, recreational, and cultural values of the Chester River and its watershed. In 1993, the CRA initiated a community volunteer project to monitor the water quality of the Chester River. The project is a cooperative effort involving two school systems, a local college, a local corporation, local businesses, private groups, and citizens.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Citizens Submerged Aquatic Vegetation Survey

U.S. Fish and Wildlife Service CBEP
180 Admiral Cochrane Dr. #535
Annapolis, MD 21401

Phone: 410-224-2732
FAX: 410-224-2781

Program Administration

Program Coordinator(s): Kathryn Reshetiloff
Program Affiliate(s):
Year Founded: 1986 Staff: 1.0 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ 900

Percent Funding By Source

State:	0	Foundation:	0	Dues:	0
Federal:	100	Corporate:	0	Other:	0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- □ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	100	
□ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 3

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The U.S. Fish and Wildlife Service coordinates an annual citizen effort to locate Chesapeake Bay grass beds. These grasses, known as submerged aquatic vegetation (SAV), are an important indicator of overall water quality. These underwater grasses provide habitat and shelter for fish, provide food for waterfowl, add much-needed oxygen to the water, help trap suspended sediment, and reduce erosion of the shoreline. The increase or decline of these grasses is of great interest to Bay managers and scientists.

Volunteers who wish to participate in the annual "SAV Hunt" receive a data sheet, a map of the area they wish to survey, and a field guide to help identify the various species of submerged aquatic vegetation. The volunteers map the location of SAV beds and identify the species found at each location. About 100 sites are surveyed.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Environmental Science Course, Landon School

Landon School
6101 Wilson Lane
Bethesda, MD 20817

Phone: 301-320-3200
FAX:

Program Administration

Program Coordinator(s): Ron LaCoss
Program Affiliate(s): Audubon Naturalist Society, Sierra Club
Year Founded: 1992 Staff: 0.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Ron LaCoss, a teacher at Landon School, takes his Environmental Science class out three times per year to assess an area in Rock Creek, a stream in the Chesapeake Bay watershed.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Foster Branch Watershed Improvement Project

Foster Branch Watershed Improvement Project
517-A Trimble Road
Joppa, MD 21085

Phone: 410-679-5855
FAX:

Program Administration

Program Coordinator(s): Helen Richick / Carol Kehring
Program Affiliate(s):
Year Founded: 1990 Staff: 0.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 1,600

Percent Funding By Source

State: 40 Foundation: 60 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Foster Branch Watershed Improvement Project is a community effort to clean up, monitor and maintain the Foster Branch watershed for the enjoyment of the local population and to provide a model for other communities.

The Joppatowne High School has been monitoring the water quality of Foster Branch since 1990. Students perform monthly testing at three sites on the stream. The information is forwarded to the MD Department of Natural Resources.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness	M	Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	S
Chlorides	M	Fish	S
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	S
BOD		Debris Cleanup	X
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity	M	Pipe Surveys	X
Flow	M	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Global Ecology Studies Program

Poolesville High School
17501 Willard Rd.
Poolesville, MD 20837

Phone: 301-972-7976
FAX: 301-972-7942

Program Administration

Program Coordinator(s): Jeff Laws / Gorman Fry
Program Affiliate(s): Save Our Streams
Year Founded: 1991 Staff: 4.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 17,000

Percent Funding By Source

State: 20 Foundation: 15 Dues: 0
Federal: 0 Corporate: 20 Other: 45

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	15	4
■ River/Stream	20	3
□ Beaches		
□ Wells		
■ Wetlands	6	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	M	Chlorophyll	X
Hardness	M	Aquatic Vegetation	X
Turbidity	M	Macroinvertebrates	X
Chlorides	S	Fish	X
Nitrogen	Q	Coliform Bacteria	X
Phosphorus	Q	Other Bacteria	X
TSS/TDS	Q	Birds/Wildlife	X
BOD	Q	Debris Cleanup	S
Dissolved Oxygen	M	Rainfall	W
Secchi Transparency	X	Photographic Surveys	Q
Alkalinity	M	Pipe Surveys	A
Flow	M	Watershed Mapping	X
Salinity	S	Sediment Assessments	X
Metals	S	Site Inspections	X
Hydrocarbons		Habitat Assessments	Q

Notes

The Global Ecology Studies Program (GESP) is a unique four-year, interdisciplinary curriculum, designed by and for Montgomery County Public Schools. Students will continue interdisciplinary Science/Social Studies pursuits throughout the four years of the curriculum. The program keeps the students' interest by focusing on real environmental problems and developing skills to manage these problems.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Horn Point Environmental Lab Water Monitoring

Horn Point Env. Lab. E. E. Program
P.O. Box 775
Cambridge, MD 21613

Phone: 410-228-8200
FAX: 410-476-5490

Program Administration

Program Coordinator(s): Cathy Baptist
Program Affiliate(s):
Year Founded: 1989 Staff: 2.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 80,000

Percent Funding By Source

State: 80 Foundation: 20 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	3	
☐ Lake/Pond/Reservoir		
■ River/Stream	5	3
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	BW	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	BW	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	X
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Jug Bay Wetlands Sanctuary

Jug Bay Wetlands Sanctuary
1361 Wrighton Rd.
Lothian, MD 20711

Phone: 410-741-9330
FAX: 410-741-9346

Program Administration

Program Coordinator(s): Chris Swarth
Program Affiliate(s):
Year Founded: 1985 Staff: 7.0 Active Volunteers: 125

Total Funding

Approx. Annual Budget: $ 165,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 8
Federal: 20 Corporate: 0 Other: 72

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	2	1
□ Beaches		
□ Wells		
■ Wetlands	3	

Notes

Situated in the tidal Patuxent River, the Jug Bay Wetlands Sanctuary was established in 1985 to protect the wetlands within the sanctuary and to promote understanding of this valuable resource. Jug Bay sponsors a variety of research studies and public education programs.

Volunteers participate in a number of these projects, including studies of nutrient dynamics (water quality), sediment, fish condition, birds (censuses), plant communities, and amphibian and reptile populations.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	M
Nitrogen	BW	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	BM
BOD		Debris Cleanup	A
Dissolved Oxygen	W	Rainfall	D
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

LDR International Stream Clean-Up

LDR International
9175 Guilford Rd.
Columbia, MD 21046

Phone: 410-792-4360
FAX: 301-498-5070

Program Administration

Program Coordinator(s): Theresa Fiscus
Program Affiliate(s): Save Our Streams
Year Founded: 1990 Staff: 0.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly. BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Magothy River Monitoring

Dan Zivi
412 Henderson Rd.
Severna Park, MD 21146

Phone: 410-647-3452
FAX:

Program Administration

Program Coordinator(s): Dan Zivi
Program Affiliate(s): Anne Arundel County Office of Planning and Zoning
Year Founded: 1983 Staff: 0.0 Active Volunteers: 21

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	21	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	X	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Maryland Save Our Streams

Maryland Save Our Streams
258 Scotts Manor Dr.
Glen Burnie, MD 21061

Phone: 800-448-5826
FAX: 410-969-0135

Program Administration

Program Coordinator(s): Abby Markowitz
Program Affiliate(s):
Year Founded: 1970 Staff: 3.0 Active Volunteers: 1,000

Total Funding

Approx. Annual Budget: $ 60,000

Percent Funding By Source

State: 71 Foundation: 18 Dues: 7
Federal: 0 Corporate: 2 Other: 2

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
□ Lake/Pond/Reservoir		
■ River/Stream	115	100
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	M
Metals		Site Inspections	M
Hydrocarbons		Habitat Assessments	X

Notes

Maryland Save Our Streams (SOS) is a statewide organization of volunteer stream advocates. As a membership organization, SOS has more than 3,000 supporters and a staff of 10 who work with hundreds of volunteers, scores of community groups, and state, county, and local agencies across Maryland. Working at the community level, SOS's mission is to preserve, protect, and enhance Maryland's 17,000 miles of flowing waters, most of which lead to the Chesapeake Bay.

SOS accomplishes its mission in a variety of ways, including Project Heartbeat, Construction Site Monitoring, Stream Surveys, and Watershed Surveys. Project Heartbeat is a seasonal assessment of benthic macroinvertebrates and physical habitat. Project Heartbeat methodology is based on the U.S. EPA's recommended Protocol II for Rapid Bioassessment. "Mud Busters" are volunteers who monitor erosion from construction sites. Volunteers also survey the streambeds and the entire watershed area for potential sources of pollution.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Maryland Stream Restoration Program

Chesapeake Bay Foundation
162 Prince George St.
Annapolis, MD 21401

Phone: 410-268-8811
FAX: 410-268-6687

Program Administration

Program Coordinator(s): Claudia H. Donegan
Program Affiliate(s):
Year Founded: 1990 Staff: 3.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 82,789

Percent Funding By Source

State: √ Foundation: √ Dues: √
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

The Maryland Stream Restoration Program trains teachers and students to monitor their local streams. The program trains over 60 groups a year on their local streams. Data collected by the groups are used to develop water quality trends on their own streams. Groups design and implement their own conservation projects as part of their stream surveys. These projects include seedling planting, trash cleanups, and wildlife habitat improvements.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Sassafras River Community Council

Sassafras River Community Council
P.O. Box 55
Georgetown, MD 21930

Phone: 410-275-8558
FAX:

Program Administration

Program Coordinator(s): Floyd Spellman
Program Affiliate(s):
Year Founded: 1978 Staff: 0.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 600

Percent Funding By Source

State: 0 Foundation: 20 Dues: 80
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	5	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	S
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus		Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Sawmill Creek Watershed Association

Sawmill Creek Watershed Association
213 3rd Ave. SW
Glen Burnie, MD 21601

Phone: 410-760-7355
FAX:

Program Administration

Program Coordinator(s): Rick MacDonald
Program Affiliate(s): MD Dept. of Natural Res. Targeted Watershed Project
Year Founded: NA Staff: 0.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 700

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	6	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	W
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	W	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Two urban watersheds and two agricultural watersheds were chosen as test cases for a coordinated action to restore the water quality of Maryland's streams. Project leaders recognized that effective control of nonpoint source pollution would take the participation of a wide variety of citizens; also that "public outreach" would be necessary for residents of the watersheds to have a good understanding of the sources of pollution and be willing to participate in programs to deal with them. Maintaining an informed citizenry was also seen as a valuable way to gain political support for future statewide nonpoint source initiatives.

Groups of citizen volunteer water quality monitors (Sawmill Creek Watershed Association members) were recruited in each watershed and trained in basic water quality and hydrologic data collection methods. Some of these individuals now assist with fish sampling and organize streamside trash pick-ups and citizen advisory committees. Maryland Save Our Streams and the Chesapeake Bay Trust Fund are two private environmental organizations that assisted the Dept. of Natural Resources with this project.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Severn River Monitoring Project

Arlington Echo Outdoor Ed. Center
975 Indian Landing Road
Millersville, MD 21108

Phone: 410-222-3822
FAX: 410-222-3826

Program Administration

Program Coordinator(s): Russell J. Heyde
Program Affiliate(s):
Year Founded: 1985 Staff: 3.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 50

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	11	
□ Lake/Pond/Reservoir		
■ River/Stream	2	2
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	X	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Severn River Monitoring Project was organized to create a data base for use in making decisions that impact on the Severn River. Trained high school science teachers take groups of ten students on a research vessel during the school year and the summer. Monitoring stations have been identified along the river, and a standard data sheet has been created to ensure uniform collection at each site. Data are summarized each season and sent to interested agencies. Students and teachers benefit educationally by experiencing the collection of field data. Funding from this program comes from both the state and Anne Arundel County. Twenty teachers have been trained and 600 students have collected data.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Sierra Club, Montgomery Group

Sierra Club, Montgomery Group
103 North Adams St.
Rockville, MD 20850

Phone: 301-294-0466
FAX: 301-762-3382

Program Administration

Program Coordinator(s): Randy Slovic
Program Affiliate(s): Audubon Naturalist Society
Year Founded: 1992 Staff: 0.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	Q
Metals		Site Inspections	Q
Hydrocarbons		Habitat Assessments	Q

Notes

The Sierra Club, Montgomery Group is cooperating with the Audubon Naturalist Society in setting up a water quality monitoring program in Montgomery County. Members are trained by Audubon and are planning to adopt several streams in Montgomery County. The group also plans on holding demonstrations to introduce more citizens to the problem of water quality.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Stream Teams

Prince George's County Gvt.-Watershed Protection
9400 Peppercorn Pl., 6th Floor
Landover, MD 20708

Phone: 301-925-7163
FAX: 301-925-5962

Program Administration

Program Coordinator(s): Sharon Meigs
Program Affiliate(s): Maryland Volunteer Water Quality Monitoring Assoc.
Year Founded: 1993 Staff: 5.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season:

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	S
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	S

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Watershed Monitoring-Water Resources Research Center

Eileen McLellan
Dept. of Geology, University of Maryland
College Park, MD 20742

Phone: 301-405-4087
FAX: 301-314-9661

Program Administration

Program Coordinator(s): Eileen McLellan
Program Affiliate(s): University of Maryland, Dept. of Geology
Year Founded: 1993 Staff: 3.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 50 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness	BW	Aquatic Vegetation	X
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	BW
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	BW
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	BW	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Worcester Environmental Trust

Worcester Environmental Trust
Box 38
Snow Hill, MD 21863

Phone: 410-632-2640
FAX:

Program Administration

Program Coordinator(s): Andrew Bosco
Program Affiliate(s): Alliance for the Chesapeake Bay
Year Founded: 1992 Staff: NA Active Volunteers: 14

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Funding for this program comes from the Chesapeake Bay Trust.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	BW	Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Adopt-A-Wetland Program

EPA Region I, Wetland Protection Section
JFK Federal Building
Boston, MA 02203

Phone: 617-565-4868
FAX: 617-565-4940

Program Administration

Program Coordinator(s): Stafford Madison
Program Affiliate(s):
Year Founded: 1993 Staff: NA Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Notes

EPA Region I has developed an education and stewardship program for middle schools that focuses on wetlands and ecosystems rich in educational potential which can be found within the borders of nearly every town. Wetlands have many irreplaceable biological, chemical, and cultural functions, yet because they are unusable for development, they are often thought of as wastelands. The program will help teachers and students to better understand wetlands and to become involved with the community in protecting these valuable areas.
"A World in Our Backyard" is a three-part multi-media education program geared for middle school students and their teachers. The program consists of two videos and a workbook.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Buzzards Bay Citizen's Water Quality Monitoring Program

Coalition for Buzzards Bay
P.O. Box 268
Buzzards Bay, MA 02532

Phone: 508-759-1440
FAX: 508-748-2845

Program Administration

Program Coordinator(s): Eileen Gunn
Program Affiliate(s): Coalition for Buzzards Bay, Buzzards Bay Project
Year Founded: 1992 Staff: 1.0 Active Volunteers: 120

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	90	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH		Chlorophyll	X
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	D
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Buzzards Bay Citizen's Water Quality Monitoring Program, co-sponsored by the Coalition for Buzzards Bay and the Buzzards Bay Project, began in April 1992 with over 100 volunteers monitoring 30 major embayments. The volunteers test the water on a weekly basis for dissolved oxygen, temperature, salinity, and water clarity. Sampling is less frequent in the spring and fall. Training was provided by the Woods Hole Oceanographic Institution. In addition to routine parameters, four rounds of nutrient samples are collected in selected embayments for analysis during the summer. The data generated are entered into a database for analysis by the Buzzards Bay Project and are presented annually in a newsletter to volunteers and environmental managers. Funding for the project comes from federal CWA sec. 320, National Estuary Program grants.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Center for Coastal Studies / Town of Provincetown

Center for Coastal Studies / Town of Provincetown
P.O. Box 1036
Provincetown, MA 02657

Phone: 508-487-3622
FAX:

Program Administration

Program Coordinator(s): Nancy Flasher
Program Affiliate(s):
Year Founded: NA Staff: 0.0 Active Volunteers: 0

Total Funding

Approx. Annual Budget: $ 7,000

Percent Funding By Source

State: 0 Foundation: 70 Dues: 0
Federal: 0 Corporate: 0 Other: 30

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	12	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	1	
■ Wells	6	
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus		Other Bacteria	X
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity	X	Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Chicopee River Watch Program

Chicopee River Watershed Council
P.O. Box 148
Chicopee, MA 01014

Phone: 413-594-4468
FAX:

Program Administration

Program Coordinator(s): Karl Bergman
Program Affiliate(s): Greater Springfield River Watch Program
Year Founded: 1992 Staff: 2.0 Active Volunteers: 24

Total Funding

Approx. Annual Budget: $ 450

Percent Funding By Source

State: 0 Foundation: 0 Dues: 15
Federal: 0 Corporate: 85 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	11	4
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The Chicopee River Watch Program was started in 1992 with assistance from the Massachusetts Water Watch Partnership. Funds for start-up were solicited from local businesses. The local Monsanto facility enabled start-up and continuation of the program by providing funding and volunteers. A certified EPA lab has donated analysis services for more complicated tests, although much of the testing is done by trained volunteers in the field. The program has affiliated with the Greater Springfield Water Watch Program, a project of the Springfield Science Museum. In the next year the group intends to start testing for flow and to begin watershed mapping, habitat assessments, and debris cleanups.

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	M	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Citizen Monitor Program

North and South Rivers Watershed Association
P.O. Box 43
Norwell, MA 02061

Phone: 617-659-8168
FAX:

Program Administration

Program Coordinator(s): Daniel Jones & Carolyn Jones
Program Affiliate(s): Massachusetts Adopt-A-Stream
Year Founded: 1989 Staff: 1.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The program's funding comes from CWA 319 funds.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	10	
☐ Lake/Pond/Reservoir		
■ River/Stream	15	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides	Q	Fish	
Nitrogen	Q	Coliform Bacteria	Q
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	Q
Flow	Q	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Deerfield River Sampling Project

Deerfield River Watershed Association
P.O. Box 13
Shelburne Falls, MA 01370

Phone:
FAX:

Program Administration

Program Coordinator(s): Sally Shaw
Program Affiliate(s): Massachusetts Water Watch Partnership
Year Founded: 1990 Staff: 1.0 Active Volunteers: 22

Total Funding

Approx. Annual Budget: $ 600

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	8	4
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	M	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Falmouth Pond Watchers Program

Falmouth Pond Watchers Program
c/o WHOI Sea Grant Program, CRL 209
Woods Hole, MA 02543

Phone: 508-548-1400
FAX: 508-457-2172

Program Administration

Program Coordinator(s): Dr. Brian Howes
Program Affiliate(s): Woods Hole Oceanographic Institution Sea Grant Program
Year Founded: 1987 Staff: 1.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 30,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 50 Corporate: 0 Other: 50

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	31	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides	BW	Fish	X
Nitrogen	BW	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	X
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Concern over the potential deterioration of water quality in near-shore coastal ponds led to the development and implementation of a water quality monitoring program in Falmouth, Massachusetts, in 1987. The core of the project involves the active participation of citizen volunteers who conduct water quality sampling in five coastal ponds and one harbor. This project, known locally as the Falmouth Pond Watchers Program, represents a unique partnership between scientists from WHOI, local citizens, and town government. The scientific information generated through the efforts of citizen volunteers, under the guidance of WHOI scientists, is applied directly and immediately to planning decisions and management objectives for the town.

More than 50 volunteers actively participate in this effort, periodically collecting nutrient samples and making physical measurements as well as participating as the "eyes, ears, and noses" of the ponds, promptly reporting any unusual occurrences or characteristics such as algal blooms or fish kills. Volunteers also maintain rain and tide gauges, shellfish growth experiments, fish censuses and bird counts, and biofouling experiments. The project has generated a significant body of information on these ponds and is considered to be one of the few long-term databases for these types of systems that yields both scientific and management value.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Greater Springfield Riverwatch

David J. Stier, Springfield Science Museum
236 State Street
Springfield, MA 01103

Phone: 413-733-1194
FAX: 413-734-3688

Program Administration

Program Coordinator(s): David J. Stier
Program Affiliate(s): River Watch Network
Year Founded: 1990 Staff: 5.0 Active Volunteers: 70

Total Funding

Approx. Annual Budget: $ 7,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 1
Federal: 0 Corporate: 99 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	10	10
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD	X	Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Green River Watershed Preservation Alliance

Green River Watershed Preservation Alliance
63 Washington St.
Greenfield, MA 01301

Phone: 413-774-7025
FAX:

Program Administration

Program Coordinator(s): Marie-Francoise Walk
Program Affiliate(s): Massachusetts Water Watch Partnership
Year Founded: 1989 Staff: 0.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 50

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	13	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus	M	Other Bacteria	M
TSS/TDS	M	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	M	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Green River flows through southern Vermont and northern Massachusetts. It is currently not protected by any designation and the Preservation Alliance is working on an application for the Outstanding Resources Water designation in Vermont. They will also seek comparable protection in Massachusetts. Water quality monitoring of the river is strongly recommended for the application.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Hoosic River Watershed Association

Hoosic River Watershed Association
P.O. Box 667
Williamstown, MA 01267

Phone: 413-545-5532
FAX: 413-545-2304

Program Administration

Program Coordinator(s): Jerry Schoen
Program Affiliate(s): Massachusetts Water Watch Partnership
Year Founded: 1989 Staff: 0.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 800

Percent Funding By Source

State: 0 Foundation: 10 Dues: 50
Federal: 0 Corporate: 40 Other: 0

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- □ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	20	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides	Q	Fish	
Nitrogen	Q	Coliform Bacteria	Q
Phosphorus	Q	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	Q
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	Q	Watershed Mapping	Q
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Ipswich CPCC Sampling Program

Ipswich Coastal Poll. Control Comm.
4 Newbury St.
Ipswich, MA 01938

Phone: 508-356-4764
FAX:

Program Administration

Program Coordinator(s): Bob Crom
Program Affiliate(s):
Year Founded: 1991 Staff: 0.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 1,500

Percent Funding By Source

State:	50	Foundation:	0	Dues:	0
Federal:	50	Corporate:	0	Other:	0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

In addition to the group's monitoring of estuaries and rivers, they also monitor 20 storm drains. Funding for the project comes from a Massbays grant which includes state and federal monies.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	4	
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	7
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Ipswich River Water Monitoring

Ipswich River Watershed Association
87 Perkins Row
Topsfield, MA 01983

Phone: 508-887-8589
FAX:

Program Administration

Program Coordinator(s): Jim MacDougall
Program Affiliate(s):
Year Founded: 1988 Staff: 0.0 Active Volunteers: 18

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- □ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	8	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	S
Chlorides	M	Fish	A
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Leverett Pond Monitoring

Leverett Pond Monitoring
39 Long Hill Rd.
Leverett, MA 01054

Phone:
FAX:

Program Administration

Program Coordinator(s): Shirley Thomas
Program Affiliate(s): Massachusetts Water Watch Partnership
Year Founded: 1991 Staff: 0.0 Active Volunteers: 8

Total Funding

Approx. Annual Budget: $ 200

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	1	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	M	Chlorophyll	M
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus	A	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	BW	Photographic Surveys	A
Alkalinity	M	Pipe Surveys	
Flow		Watershed Mapping	A
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Massachusetts Water Watch Partnership

Massachusetts Water Watch Partnership
Blaisdell House, UMASS
Amherst, MA 01003

Phone: 413-545-5532
FAX: 413-545-2304

Program Administration

Program Coordinator(s): Jerry Schoen
Program Affiliate(s):
Year Founded: 1990 Staff: 1.3 Active Volunteers: 1,000

Total Funding

Approx. Annual Budget: $ 40,000

Percent Funding By Source

State: 5 Foundation: 42 Dues: 3
Federal: 0 Corporate: 50 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	45	30
■ River/Stream	110	18
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The Massachusetts Water Watch Partnership is a service organization. They provide assistance to over 50 local monitoring groups. The figures presented here are for all volunteers and groups under the Massachusetts Water Watch Partnership umbrella.

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	X
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	X
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Merrimack River Watershed Education Project

Massachusetts Division of Fisheries and Wildlife
Field Headquarters Rt. 135
Westboro, MA 01581

Phone: 508-792-7270
FAX: 508-792-7270

Program Administration

Program Coordinator(s): Marion Larson, Laura Vincent
Program Affiliate(s):
Year Founded: 1989 Staff: 3.0 Active Volunteers: 60

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 50

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The program is affiliated with the Massachusetts Division of Fish and Wildlife, University of Massachusetts at Lowell, Massachusetts Wildlife Federation, and the New Hampshire Fish and Game Department. This is a school-based monitoring program. Sixty teachers have been trained to date.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
■ River/Stream	55	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	A	Pesticides	
pH	A	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	A
Phosphorus	A	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	A	Debris Cleanup	
Dissolved Oxygen	A	Rainfall	
Secchi Transparency	A	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Pilayella Monitoring Program

Marine Science Center
East Point
Nahant, MA 01908

Phone: 617-581-7370
FAX: 617-581-6076

Program Administration

Program Coordinator(s): Dr. Donald Cheney/Verena Gross
Program Affiliate(s):
Year Founded: 1992 Staff: 2.0 Active Volunteers: 32

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

The Pilayella Monitoring Project was designed to monitor the amount of Pilayella littoralis, a free-floating brown algae that creates an unpleasant odor when it decomposes, on beaches in Nahant Bay and Broad Sound. Volunteers check the beaches daily for this seaweed and report monthly to Dr. Cheney and graduate student Verena Gross.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	5	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	D
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Plum Island Sound/Rivers MiniBay Study

Massachusetts Audubon Society
346 Grapevine Rd
Wenham, MA 01948

Phone: 508-927-1122
FAX: 508-922-8487

Program Administration

Program Coordinator(s): Robert Buchsbaum
Program Affiliate(s):
Year Founded: 1992 Staff: 2.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	24	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Part of the Plum Island Sound/Rivers MiniBay study is the volunteer monitoring of the Plum Island Sound/Rivers ecosystem. Volunteers are grouped into teams; each monitoring team will collect water samples from several sites within a particular area. Analysis of these samples will focus primarily on fecal coliform levels so that contamination within the sound can be evaluated. Funding for this program comes from the Mass Bays Program.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Riverways Programs

Riverways Programs
100 Cambridge St. Rm. 1901
Boston, MA 02202

Phone: 617-727-1614
FAX: 617-727-2566

Program Administration

Program Coordinator(s): Maria Van Dusen
Program Affiliate(s): Massachusetts Water Watch Partnership
Year Founded: 1987 Staff: 4.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Notes

The Riverways Program is part of the Commonwealth of Massachusetts Department of Fisheries, Wildlife and Environmental Law Enforcement. The program provides assistance in projects to monitor and improve water quality of the state's rivers and streams. The program provides manuals for the sampling of a variety of parameters including shoreline surveys, physical habitats, and flow analysis. The program also supports the state's Adopt-A-Stream Program.

Months In Sampling Season:

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Taunton River Volunteer Water Quality Monitoring Program

TRWA
P.O. Box 146, 20 Scotland Park, Suite 2A
Bridgewater, MA 02324

Phone: 508-697-5700
FAX:

Program Administration

Program Coordinator(s): Robert W. Davis
Program Affiliate(s): Taunton River Watershed Alliance (TRWA)
Year Founded: 1988 Staff: 1.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 50
Federal: 0 Corporate: 0 Other: 50

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

The Taunton River Watershed Alliance is currently expanding its water quality monitoring program.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	13	9
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD	M	Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	M	Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Trout Unlimited - Pioneer Valley Chapter

Trout Unlimited - Pioneer Valley Capter
P.O. Box 1837
Westfield, MA 01086

Phone: 413-568-7838
FAX:

Program Administration

Program Coordinator(s): John F. Teahan
Program Affiliate(s): Massachusetts Water Watch Partnership
Year Founded: 1992 Staff: 1.0 Active Volunteers: 13

Total Funding

Approx. Annual Budget: $ 900

Percent Funding By Source

State: 0 Foundation: 0 Dues: 45
Federal: 0 Corporate: 55 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	7	2
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	Q
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

Notes

The Pioneer Valley Chapter of Trout Unlimited, in cooperation with the Massachusetts Water Watch Partnership, beginning in 1993 will initiate quarterly macroinvertebrate samplings on the Jabish Brook and the Westfield River. After the group has gone through a trial period, they plan on expanding their efforts by including other groups such as scout troops and school groups.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

UPRIVER

QLF/Atlantic Center for the Environment
55 South Main Street
Ipswich, MA 01938

Phone: 508-356-0038
FAX: 508-356-7322

Program Administration

Program Coordinator(s): Elliot Gimble
Program Affiliate(s): Atlantic Center for the Environment
Year Founded: 1977 Staff: 2.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 80,000

Percent Funding By Source

State: 15 Foundation: 30 Dues: 0
Federal: 40 Corporate: 0 Other: 15

Data Used For

- ■ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

QLF/Atlantic Center for the Environment, a regional nonprofit conservation organization, assists rural community-based river and land conservation organizations in assuming a greater stewardship role in the management of natural resources. The Center's UPRIVER program provides educational resources, community outreach, and technical assistance for individual groups throughout northern New England and eastern Canada, the "Atlantic Region."

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Waquoit Bay National Estuarine Research Reserve

Waquoit Bay NERR
P.O. Box 3092
Waquoit, MA 02536

Phone: 508-457-0495
FAX: 617-727-5537

Program Administration

Program Coordinator(s): Rick Crawford
Program Affiliate(s): Waquoit Bay National Estuarine Research Reserve
Year Founded: 1993 Staff: 1.5 Active Volunteers: 8

Total Funding

Approx. Annual Budget: $ 4,000

Percent Funding By Source

State: 30 Foundation: 0 Dues: 0
Federal: 70 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	6	
□ Lake/Pond/Reservoir		
■ River/Stream	2	2
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency	BW	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Westport River Watershed Alliance

Westport River Watershed Alliance
P.O. Box 3427
Westport, MA 02790

Phone: 508-636-3016
FAX: 508-636-8884

Program Administration

Program Coordinator(s): Dale Thomas, Dee Morris
Program Affiliate(s): Buzzards Bay Project
Year Founded: 1992 Staff: 1.0 Active Volunteers: 16

Total Funding

Approx. Annual Budget: $ 20,500

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	12	
□ Lake/Pond/Reservoir		
■ River/Stream	17	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	X
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides	X	Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow	X	Watershed Mapping	X
Salinity	X	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons	X	Habitat Assessments	

Notes

The Westport River program is one of 90 embayments monitored by the Buzzards Bay program. It is one of the largest embayment projects and acts as a pilot for the Buzzards Bay citizen monitoring effort.

Coliform testing is performed weekly. Most other parameters are tested one to three times per week.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Wetland Watchers

Manomet Bird Observatory
P.O. Box 1770
Manomet, MA 02345

Phone: 508-224-6521
FAX: 508-224-9220

Program Administration

Program Coordinator(s): Dr. Katharine Parsons
Program Affiliate(s):
Year Founded: 1989 Staff: 0.0 Active Volunteers: 75

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State:	20	Foundation:	40	Dues:	0
Federal:	20	Corporate:	20	Other:	0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	16	
■ Lake/Pond/Reservoir	20	NA
■ River/Stream	18	NA
■ Beaches	3	
☐ Wells		
■ Wetlands	9	

Notes

Wetland Watchers is a volunteer network of concerned citizens who survey wetland sites to record all wildlife use and habitat status. Volunteers adopt a favorite wetland to observe through the year, particularly during the important breeding season, and record the presence of birds and other wildlife. In addition, Wetland Watchers monitor the habitat status of their site and report violations of wetland protection laws to local agencies.

Months In Sampling Season: 3

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	W
Turbidity		Macroinvertebrates	
Chlorides		Fish	W
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	W
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Black River Project

Chippewa School
2800 Chippewa Trail
Port Huron, MI 48060

Phone: 313-984-6539
FAX:

Program Administration

Program Coordinator(s): Cathy Lozen
Program Affiliate(s): Global Rivers Environmental Education Network (GREEN)
Year Founded: 1992 Staff: NA Active Volunteers: 27

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 100 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	17	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	A	Pesticides	
pH	A	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	A	Macroinvertebrates	A
Chlorides		Fish	
Nitrogen	A	Coliform Bacteria	A
Phosphorus	A	Other Bacteria	
TSS/TDS	A	Birds/Wildlife	
BOD	A	Debris Cleanup	X
Dissolved Oxygen	A	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals	A	Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Nearly 700 students from 25 classrooms have been involved in the Black River Project (also known as the Port Huron River Project). The project was a result of a consent decree between Public Interest Research Group in Michigan (PIRGIM) and Mueller Brass. Approximately $130,000 from the settlement was given to the University of Michigan to establish an environmental education program in the Port Huron Area School District.

University students trained the younger students to do water quality monitoring. After the monitoring was finished, a student congress was held. Five representatives from every classroom attended workshops and shared their data with the rest of the students.

Data records are kept and will be compared with data collected next year. The results of the program are also available to the public.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Clinton River Volunteer Monitoring Program

Clinton River Watershed Council
8215 Hall Road
Utica, MI 48317

Phone: 313-739-2507
FAX: 313-739-8199

Program Administration

Program Coordinator(s): Erich P. Ditschman
Program Affiliate(s):
Year Founded: 1990 Staff: 3.0 Active Volunteers: 400

Total Funding

Approx. Annual Budget: $ 15,000

Percent Funding By Source

State: 0 Foundation: 60 Dues: 0
Federal: 0 Corporate: 0 Other: 40

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	14	4
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The Clinton River Watershed Volunteer Monitoring Program combines aspects from a number of established monitoring programs to provide a comprehensive monitoring program designed specifically for the Clinton River watershed. The goals of the program are to develop awareness among watershed residents of the common values associated with the Clinton River system, provide credible information on the water quality of the system to local decision makers, and develop opportunities for citizen participation in river cleanup, maintenance, restoration, and protection from further degradation.

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	Q	Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen	Q	Coliform Bacteria	X
Phosphorus	Q	Other Bacteria	
TSS/TDS	Q	Birds/Wildlife	
BOD	Q	Debris Cleanup	X
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency	Q	Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow	Q	Watershed Mapping	A
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Dewey Lake Monitor

Bruce Nevins
51256 Garret Road
Powagiac, MI 49047

Phone: 616-424-5433
FAX:

Program Administration

Program Coordinator(s): Bruce Nevins
Program Affiliate(s):
Year Founded: 1992 Staff: NA Active Volunteers: 4

Total Funding

Approx. Annual Budget: $ 4,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	5	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Global Rivers Environmental Education Network (GREEN)

GREEN
721 E. Huron St.
Ann Arbor, MI 48104

Phone: 313-761-8142
FAX: 313-761-4951

Program Administration

Program Coordinator(s): Keith Wheeler
Program Affiliate(s):
Year Founded: 1989 Staff: 8.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 500,000

Percent Funding By Source

State:	0	Foundation:	0	Dues:	10
Federal:	55	Corporate:	35	Other:	0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
■ Beaches	NA	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	X
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity	X	Sediment Assessments	
Metals	X	Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

GREEN is an innovative, action-oriented approach to education that uses water monitoring to bridge classroom disciplines as well as community members.

The GREEN office in Ann Arbor serves as the hub of this international network. They develop and refine programs in environmental monitoring and educational methodologies as well as distribute information, water curricula, and resource materials.

Presently, over 120 countries are involved in GREEN. There are three main ways that members communicate:

•The GREEN Newsletter. This quarterly publication features updates on participant nations, research innovations, teacher/student sheets, and new educational materials.

•Computer Conferencing. EcoNet, the U.S. node of the Association for Progressive Communications (APC), hosts ten GREEN computer conferences. EcoNet is accessed in over 80 countries. By subscribing to EcoNet, GREEN members in the U.S. can communicate with others in their watershed as well as with others around the world.

•The GREEN Cross Cultural Partners Program. Through this program, our office matches schools of different cultures to enable students to learn about each other's customs, exchange water monitoring data, and share possible avenues for improving their rivers.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Grand Traverse Bay Watershed

N.W. Michigan Council of Govts.
P.O. Box 506
Traverse City, MI 49685

Phone: 616-929-5061
FAX: 616-929-5012

Program Administration

Program Coordinator(s): Amy Pflughoeft
Program Affiliate(s): Global Rivers Environmental Education Network (GREEN)
Year Founded: 1992 Staff: 1.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 75 Corporate: 0 Other: 25

Data Used For

- ■ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	12	6
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	S
Turbidity	S	Macroinvertebrates	S
Chlorides		Fish	
Nitrogen	S	Coliform Bacteria	S
Phosphorus	S	Other Bacteria	
TSS/TDS	S	Birds/Wildlife	
BOD	S	Debris Cleanup	
Dissolved Oxygen	S	Rainfall	X
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	S
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

Notes

Schools within the Grand Traverse Bay Watershed monitor six rivers semiannually and provide local schools and watershed planning organizations with the information collected. The students also enter the results on EcoNet computer conference.

Start-up money was provided by the US EPA and used to purchase needed field and computer equipment.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Huron River Watershed Council Adopt-A-Stream

Huron River Watershed Council
1100 North Main St.
Ann Arbor, MI 48104

Phone: 313-769-5971
FAX: 391-998-0163

Program Administration

Program Coordinator(s): Joan Martin
Program Affiliate(s): River Network
Year Founded: 1990 Staff: 1.0 Active Volunteers: 120

Total Funding

Approx. Annual Budget: $ 25,325

Percent Funding By Source

State: 25 Foundation: 0 Dues: 0
Federal: 75 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	20	11
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	A
Turbidity		Macroinvertebrates	S
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	A
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	A
Flow	A	Watershed Mapping	A
Salinity		Sediment Assessments	A
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	A

Notes

The Adopt-A-Stream Program provides participants with knowledge, assistance, and equipment to enable them to protect and restore the local river system through a variety of activities. Workshops and activities enable people to learn by doing the measurements of creek characteristics and the evaluation of creek health. Adopters annually survey and map their segment of the creek, usually 300 ft. The study is the same assessment used by the Michigan Department of Natural Resources to assess the quality and needs of Michigan rivers. Twice a year all locations are sampled on the same day to identify the population of benthic macroinvertebrates, which are identified to family level.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Inland Lakes Self-Help Program

Inland Lakes Management Unit
P.O. Box 30028
Lansing, MI 48909

Phone: 517-373-8000
FAX: 517-335-4381

Program Administration

Program Coordinator(s): Brian Carley
Program Affiliate(s):
Year Founded: 1974 Staff: 1.0 Active Volunteers: 120

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	120
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus	A	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lake Watch/Baseline

Lake Watch/Baseline
13340 Torch River Rd
Rapid City, MI 49676

Phone: 616-322-2187
FAX:

Program Administration

Program Coordinator(s): W. G. Weiss, Jr.
Program Affiliate(s):
Year Founded: 1968 Staff: 0.0 Active Volunteers: 1

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 50
Federal: 0 Corporate: 0 Other: 50

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Monitoring is performed for the Three Lake Association and the Elk-Skegemog Lakes Association.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	7	5
■ River/Stream	2	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH		Chlorophyll	M
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lower Rouge River Water Quality Monitoring

Lower Rouge River Water Quality Mon.
17523 Stamwich
Livonia, MI 48152

Phone: 313-421-0483
FAX:

Program Administration

Program Coordinator(s): David Bydlowski
Program Affiliate(s): Rouge River Water Quality Monitoring
Year Founded: 1989 Staff: 1.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 300

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	1	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	A	Pesticides	
pH	A	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	A	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	A	Coliform Bacteria	A
Phosphorus	A	Other Bacteria	
TSS/TDS	A	Birds/Wildlife	
BOD	A	Debris Cleanup	A
Dissolved Oxygen	A	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

McCoy Creek Monitoring Program

Wetlands Conservation Association
P.O. Box 133
Stevensville, MI 49127-0133

Phone: 616-429-1862
FAX:

Program Administration

Program Coordinator(s): Allan Puplis
Program Affiliate(s):
Year Founded: 1992 Staff: 0.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 50

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Pere Marquette Watershed Council, Inc.

Pere Marquette Watershed Council, Inc.
P.O. Box 212
Baldwin, MI 49304

Phone: 616-745-4401
FAX:

Program Administration

Program Coordinator(s): Robert W. Nicholson
Program Affiliate(s): Michigan United Conservation Clubs; Trout Unlimited
Year Founded: 1971 Staff: 0.0 Active Volunteers: 400

Total Funding

Approx. Annual Budget: $ 18,000

Percent Funding By Source

State: 0 Foundation: 10 Dues: 90
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- □ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	4	1
□ Beaches		
□ Wells		
■ Wetlands	1	

Notes

The Pere Marquette Watershed Council, Inc., is a corporation that was created to protect the natural state of the river system, to preserve and foster its great natural beauty and to keep it free from all artificial and unnatural practices which may threaten its natural and free-flowing state; to gather information of every kind and variety which may concern the Pere Marquette river system; and to educate the public concerning the problems which may confront the river system and the possible solutions to those problems.

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness	Q	Aquatic Vegetation	Q
Turbidity	Q	Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus	Q	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	Q	Pipe Surveys	
Flow	Q	Watershed Mapping	X
Salinity	Q	Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Stream Monitoring Team

Ronald Barch, Lakewood Jr. High
223 W. Broadway
Woodland, MI 48897

Phone: 616-367-4475
FAX:

Program Administration

Program Coordinator(s): Ron Barch
Program Affiliate(s): Environmental Education Advisory Council
Year Founded: 1992 Staff: 1.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	BW
Turbidity	BW	Macroinvertebrates	BW
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	BW	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Students from the Lakewood Jr. High School, under the supervision of Ron Barch, are currently studying and monitoring the Coldwater River system. This project began as an outgrowth of the student stream team program sponsored by the Environmental Education Advisory Council. Historically, the concept of student stream monitoring has been actively supported by W.M.E.A.C. and the Western Michigan chapter of Trout Unlimited.

Mr. Barch's students began their monitoring project this past September after receiving a grant from E.E.A.C. The Coldwater River was selected for study as it is one of the few remaining Michigan streams able to sustain trout and related macroinvertebrates (mayflies, caddis, and stoneflies). Also, the student volunteers participating in the actual monitoring live on or near the stream, thus ensuring interest is genuine and knowledge first-hand.

The first priority of the group was to map the watershed and select monitoring sites. This task was accomplished early in September with water sampling locations designated on Tyler and Duck Creeks, tributaries to the Coldwater, along with two sites on the mainstream approximately one mile apart.

Students record and study seven parameters: weather conditions, water clarity, stream bottom type, pH, temperature, velocity, and biotic index

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Student Stream Teams of Kent County

Adult Special Programs
615 Turner NW
Grand Rapids, MI 49504

Phone: 616-771-3263
FAX:

Program Administration

Program Coordinator(s): Jim Botts / Jackie Del Rosa
Program Affiliate(s):
Year Founded: 1985 Staff: 1.0 Active Volunteers: 1,050

Total Funding

Approx. Annual Budget: $ 75,000

Percent Funding By Source

State:	0	Foundation:	95	Dues:	0
Federal:	0	Corporate:	0	Other:	5

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	35	NA
☐ Beaches		
☐ Wells		
■ Wetlands	1	

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS	Q	Birds/Wildlife	
BOD		Debris Cleanup	Q
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	Q	Watershed Mapping	Q
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Stream Teams of Kent County has received foundation funding that enabled the organization to grow from a loose confederation of 10 teams to 35 active teams. Monitoring is performed quarterly, although several teams perform testing on a more frequent basis.

The group is initiating a data base to be shared with local environmental groups and a large university. They have made contacts with the Michigan DNR Division of Surface Water Quality and the Health Department to initiate a data-sharing program.

The goal of the program is to have 75 teams in schools in the county by the end of the 93-94 school year. An additional goal is to gain ongoing foundation funding or institutional adoption of the project.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Tip of the Mitt Volunteer Lake Monitoring Program

Tip of the Mitt Watershed Council
P.O. Box 300
Conway, MI 49722

Phone: 616-347-1181
FAX: 616-347-5928

Program Administration

Program Coordinator(s): Ann Baughman
Program Affiliate(s): Tip of the Mitt Watershed Council
Year Founded: 1984 Staff: 1.0 Active Volunteers: 40

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	35	30
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	BW
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Tip of the Mitt Watershed Council sponsors a Volunteer Lake Monitoring Program to detect long-term water quality trends and educate riparians about lake ecology. Two parameters are measured for this program: (1) water clarity with the Secchi disk; and (2) algae abundance through chlorophyll analysis. Thirty lakes in Antrim, Charlevoix, Cheboygan, and Emmet counties participate in the program.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

WMEAC Adopt-A-Stream

West Michigan Environmental Action Council
1432 Wealthy S.E.
Grand Rapids, MI 49506

Phone: 616-451-3051
FAX: 616-451-3054

Program Administration

Program Coordinator(s): Elaine Pelc
Program Affiliate(s):
Year Founded: 1991 Staff: 1.0 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ 15,000

Percent Funding By Source

State: 30 Foundation: 70 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	65	10
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	S
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	S
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	A
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	S

Notes

The West Michigan Environmental Action Council's Adopt-A-Stream Program began in 1991 with startup funding from the Michigan Department of Natural Resources and the Frey Foundation of Grand Rapids, Michigan. The program focuses on adult community, civic, church, and outdoor sporting groups. Also included are active middle and high school students with strong leadership from teachers. Interested organizations and school groups are turning their environmental concern about pollution and erosion into real action through the Adopt-A-Stream Program. Groups make a difference by conducting streambank cleanups, sampling stream insects, inventorying stream corridor conditions, and performing stream enhancement projects such as bank stabilization and wildlife habitat improvements.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Cannon River Watch

Cannon River Watershed Partnership
P.O. Box 501
Faribault, MN 55021

Phone: 507-332-0488
FAX:

Program Administration

Program Coordinator(s): Allene Moesler
Program Affiliate(s):
Year Founded: 1992 Staff: 2.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 7,500

Percent Funding By Source

State: 0 Foundation: 25 Dues: 10
Federal: 0 Corporate: 0 Other: 65

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	3	NA
■ River/Stream	5	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Cannon River Watch began in 1992 primarily as an educational experience for school students. Teachers have attended three training sessions on testing technique, class logistics, and potential curriculum applications. Four area schools have either added water quality monitoring or have modified existing programs to meet criteria of the Cannon River Watch. It is expected that the program will be expanded and standardized as interest and funding become available. As materials on macroinvertebrate indicators are developed for this area, there will be more emphasis on this aspect of the program.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Citizen Lake Monitoring Program

Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, MN 55155

Phone: 612-282-2618
FAX: 612-297-8683

Program Administration

Program Coordinator(s): Jennifer Lindbloom
Program Affiliate(s):
Year Founded: 1973 Staff: 7.0 Active Volunteers: 600

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	710	467
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Citizen Lake Monitoring Program (CLMP) was initiated in 1973 at the University of Minnesota's Limnological Research Center by Dr. Joe Shapiro and originally included 74 lakes. This program involves the voluntary participation of citizens residing on lakes or those who are frequent lake users. The participants are asked to take weekly transparency measurements throughout the summer months. Data from this program are extremely valuable to those interested in assessing lake water quality or performing trend analyses. For many lakes, this is the only water quality information available. Data from the CLMP are entered into the US EPA's water quality database (called STORET). An annual report is sent to all volunteers and any other interested parties.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Forest Lake Watershed Management Organization

Town of Forest Lake
21350 Forest Blvd. N
Forest Lake, MN 55025

Phone: 612-464-4348
FAX: 612-464-6874

Program Administration

Program Coordinator(s): Curtis Sparks
Program Affiliate(s):
Year Founded: 1982 Staff: 0.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 15,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	6	4
□ River/Stream		
□ Beaches		
■ Wells	10	
□ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	M
Hardness	M	Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides	M	Fish	
Nitrogen	M	Coliform Bacteria	X
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD		Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency	M	Photographic Surveys	
Alkalinity	M	Pipe Surveys	M
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	M
Hydrocarbons		Habitat Assessments	M

Notes

The Forest Lake Watershed Management Organization (FLWMO) was formed in 1982 by joint powers agreement between the City of Forest Lake and the Towns of New Scandia and Forest Lake. In the process of preparing a watershed management plan, it was determined that addditional information on the quality of area lakes was necessary in order to properly establish goals and objectives. An intensive watershed monitoring program was conducted by Wenck and Associates. During and following this study volunteers of the FLWMO have been collecting runoff and lake samples for chemical analysis. A nutrient and water budget was prepared for setting in-lake phosphorus, Secchi, and chlorophyll goals. Ongoing monitoring is conducted by volunteers to measure progress in the watershed management activities.

In 1989 a study of surface and groundwater interaction was conducted using stable isotopes of oxygen and hydrogen. This study provided information on the lake hydrologic budget that has made the group rethink their protection program. Volunteers were used in this study, along with staff of the University of Minnesota.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lake Assessment Program

Minnesota Pollution Control Agency
520 Lafayettte
St. Paul, MN 55155

Phone: 612-296-7217
FAX: 612-297-8683

Program Administration

Program Coordinator(s): Steve Heiskary
Program Affiliate(s):
Year Founded: 1985 Staff: 3.0 Active Volunteers: 60

Total Funding

Approx. Annual Budget: $ 20,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 50 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	30	15
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The Lake Assessment Program is a cooperative lake study involving Minnesota Pollution Control Agency (MPCA) staff and local citizens. It was initiated in 1985 as a pilot program to fill the gaps between the Citizen Lake Monitoring Program, and intensive studies done by MPCA and the Clean Lakes Program. Citizen involvement is the principal focus of the Lake Assessment Program. Citizens participate in sampling, watershed and lake review, defining the lake's history, and water quality. The program provides valuable information for the local citizens, MPCA, and others interested in protecting or improving the quality of a lake.

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	M
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	
Chlorides	M	Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency	M	Photographic Surveys	
Alkalinity	M	Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lakewatch

Freshwater Foundation
725 Co. Rd. #6
Wayzata, MN 55391

Phone: 612-449-0092
FAX: 612-449-0592

Program Administration

Program Coordinator(s): Ann Conrad
Program Affiliate(s): US EPA / MPCA "STORET"
Year Founded: 1991 Staff: 1.0 Active Volunteers: 95

Total Funding

Approx. Annual Budget: $ 30,000

Percent Funding By Source

State: 0 Foundation: 20 Dues: 30
Federal: 0 Corporate: 50 Other: 0

Data Used For

- ■ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	95	45
☐ River/Stream		
■ Beaches	95	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	D
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	D
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	D
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	D
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	D

Notes

Lakewatch is a citizen's lake monitoring program designed for lake associations. Lake residents collect data about Minnesota's lakes and wildlife resources and report it to the Freshwater Foundation. The information is passed along to various state agencies. The data are important for local and statewide fisheries, non-game wildlife, water quality, and recreational management efforts. Most importantly, lakeshore owners, through their associations, are directly involved in the management of their lakes.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Minnesota DNR Adopt-a-River Program

Adopt-a-River Program
MN/DNR, 500 Lafayette Rd.
St. Paul, MN 55155-4052

Phone: 612-297-5476
FAX: 612-297-5475

Program Administration

Program Coordinator(s): Paul Nordell
Program Affiliate(s): Minnesota Department of Natural Resources
Year Founded: 1989 Staff: 2.0 Active Volunteers: 200

Total Funding

Approx. Annual Budget: $ 7,500

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	200	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Adopt-a-River program has as its mission "to empower Minnesotans to become stewards of Minnesota rivers." Adopting groups registers for a specific portion of the river and agree to visit and clean that site at least once a year for two consecutive seasons.

Those who have "adopted" a portion of river become eligible to be networked with other concerned people who can combine efforts to prevent the continued proliferation of rubbish in and along the river. The program therefore stresses learning, by personal observation, how nonpoint pollution is affecting our rivers.

The program offers free rubbish bags, gloves, a cleanup-reporting system, a newsletter, and recognition in the form of a certificate of commendation from the Governor and Commissioner.

This program is designed to get the general population involved in river preservation in a most tangible way, and then to continue their interest by addressing related nonpoint pollution problems.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Mississippi Headwaters River Watch Program

Mississippi Headwaters Board
Cass County Courthouse
Walker, MN 56484

Phone: 218-547-3300
FAX: 218-547-2440

Program Administration

Program Coordinator(s): Molly MacGregor
Program Affiliate(s): River Watch Network
Year Founded: 1990 Staff: 3.0 Active Volunteers: 60

Total Funding

Approx. Annual Budget: $ 100,000

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	35	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Notes

Mississippi Headwaters River Watch is a scientific ambient water quality monitoring program established according to scientific methods and standards set by the US EPA. A monitoring plan, field procedures, and reporting sheets have been developed by qualified biologists, chemists, and limnologists. These professionals then train volunteers, who have the responsibility of implementing the monitoring plan under the direction of the River Watch Coordinator, a trained liminologist.

Some volunteers are students in middle school, high school, or college. Other volunteers are people who live near the river, who use the river, or who are simply interested in the river's long-term health. All results collected by River Watch volunteers will be recorded by the state pollution control agency and entered into the national water quality data bank. These results will document a trend in water quality and help government officials make decisions about future river protection programs.

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	M
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD	M	Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

St. Croix Watershed Research Station

SCWRS - Science Museum of Minnesota
16910 152nd St. N
Marine on St. Croix, MN 55047

Phone: 612-433-5953
FAX: 612-221-4777

Program Administration

Program Coordinator(s): Ronald W. Lawrenz
Program Affiliate(s): Science Museum of Minnesota
Year Founded: 1988 Staff: 3.0 Active Volunteers: 17

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	2	1
■ River/Stream	2	2
□ Beaches		
□ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The St. Croix Watershed Research Station's (SCWRS) volunteer program had a humble beginning in 1989 with one volunteer collecting and preserving plants. After three years, the program has grown to include 18 volunteers. Volunteers play a key role in the success of SCWRS. The volunteer Trail Walkers are an important cog in the mechanism of SCWRS. Their observations assist in everything from land management to phenology. Volunteers have braved woodticks and mosquitoes in their search for both the common and the rare. The phenological data that are collected contribute to an important SCWRS database that will support field research in various ways, guiding investigators to known sites and providing a measurement of change.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

St. Louis River Watch /MPCA

St. Louis River Watch/MPCA
320 West 2nd St. Rm. 704
Duluth, MN 55802

Phone: 218-723-4927
FAX: 218-723-4727

Program Administration

Program Coordinator(s): Jill Jacoby
Program Affiliate(s): Minnesota Pollution Control Agency
Year Founded: 1991 Staff: 1.5 Active Volunteers: 300

Total Funding

Approx. Annual Budget: $ 80,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	16	1
☐ Beaches		
☐ Wells		
■ Wetlands	30	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	Q	Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen	Q	Coliform Bacteria	Q
Phosphorus	Q	Other Bacteria	
TSS/TDS	Q	Birds/Wildlife	A
BOD	Q	Debris Cleanup	A
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	A
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The St. Louis River Watch is a citizen-based water quality monitoring program, administered by the Minnesota Pollution Control Agency, which focuses on the St. Louis River (a major tributary to Lake Superior). Students and teachers from 16 schools cooperate in conducting water chemistry tests and survey the benthic macroinvertebrate community to obtain information on water quality. Other projects include a survey of frog populations, a youth service learning program with the Ojibwe School on the Fond du Lac Reservation to conduct sediment tests, and student-produced radio programs on public radio.

The St. Louis River has been identified as an Area of Concern, one of 43 in the Great Lakes region. The St. Louis River Watch is an education arm of the Remedial Action Plan and the Citizens Advisory Committee who are working to reduce pollution in the St. Louis River.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Superior Lakewatch

Lake Superior Center
353 S. 5th Ave. W.
Duluth, MN 55802

Phone: 218-720-3033
FAX:

Program Administration

Program Coordinator(s): Cindy Hagley, Ron Kinnunen, Harvey Hoven, D. Pugh
Program Affiliate(s):
Year Founded: 1990 Staff: 1.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 2,500

Percent Funding By Source

State: 10 Foundation: 0 Dues: 0
Federal: 45 Corporate: 0 Other: 45

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Superior Lakewatch is a way for citizens to help scientists monitor Lake Superior's water quality. Volunteers are boaters from Ontario, Michigan, Wisconsin, and Minnesota who are on the water between May and October. They use Secchi disks to determine the transparency of the water. The information is collected by regional coordinators and forwarded to a university where it is entered onto computers. The data will enable scientists and policy makers to make informed decisions about lake management.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	100	NA
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Toold Monitoring Program

Toold Monitoring Program
R2 - Box 178A
Long Prairie, MN 56347

Phone: 612-732-6203
FAX:

Program Administration

Program Coordinator(s): Jim Framstad
Program Affiliate(s):
Year Founded: 1992 Staff: 0.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	6	6
■ River/Stream	1	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	BW
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Wetlands Watch

National Audubon Society/Minnesota Office
26 East Exchange St. #207
St. Paul, MN 55101

Phone: 612-225-1830
FAX: 612-224-4686

Program Administration

Program Coordinator(s): Cheryl Miller
Program Affiliate(s):
Year Founded: 1988 Staff: 2.0 Active Volunteers: 35

Total Funding

Approx. Annual Budget: $ 75,000

Percent Funding By Source

State: 0 Foundation: 25 Dues: 0
Federal: 75 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Adopt-A-Stream Mississippi

Mississippi Wildlife Federation
P.O. Box 1814
Jackson, MS 39215-1814

Phone: 601-353-6922
FAX: 601-352-3437

Program Administration

Program Coordinator(s): Elizabeth Rook
Program Affiliate(s): Mississippi Wildlife Federation
Year Founded: 1992 Staff: 3.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 34 Dues: 0
Federal: 0 Corporate: 66 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Adopt-A-Stream program in Mississippi is just starting out. The organization is hoping to have volunteers in the field by February 1994. The first water quality workshop is scheduled for mid-November, 1993.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season:

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Black River Alliance

Alan Peters
HCRI Box 11
Eminence, MO 65466

Phone: 314-226-3233
FAX:

Program Administration

Program Coordinator(s): Alan Peters
Program Affiliate(s):
Year Founded: 1992 Staff: 3.0 Active Volunteers: 4

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The purpose of the Black River Alliance is to preserve and protect the Upper West Fork of the Black River. Lead mines are discharging directly into the river and are in violation of the Clean Water Act. The group's mission is to bring the corporate polluters into compliance with the federal law.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity	Q	Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen	Q	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	Q
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	Q
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals	Q	Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Heartland Water Watch Network

Heartland Water Watch Network
201 Westport Rd.
Kansas City, MO 64111

Phone: 816-756-5686
FAX: 816-756-5686

Program Administration

Program Coordinator(s): Stan Slaughter
Program Affiliate(s):
Year Founded: 1993 Staff: .5 Active Volunteers: 0

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- □ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	35	8
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The Heartland Water Watch Network is a school and community regional network that attempts to empower all local groups to build regional water quality consciousness in the greater Kansas City area. Activities planned include a newsletter, two annual conferences, a traveling musical variety show, and grants of testing equipment to groups. The program is just getting started, with $7,800 already contributed toward a projected annual budget of $56,000. The Network will work with the 15 Missouri Stream Teams and dozens of active school monitoring programs in the region. They plan to facilitate monitoring efforts, collect data locally, and produce independent analyses of the collected information.

Months In Sampling Season:

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Henry Shaw Academy Stream Ecology

Missouri Botanical Garden, Henry Shaw Academy
P.O. Box 299
St. Louis, MO 63166

Phone: 314-577-5135
FAX: 314-577-9598

Program Administration

Program Coordinator(s): Jeffery C. De Pew
Program Affiliate(s): Technology Education Research Centers
Year Founded: 1990 Staff: 2.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 9,000

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	8
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness	M	Aquatic Vegetation	M
Turbidity	M	Macroinvertebrates	M
Chlorides		Fish	M
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	X
TSS/TDS		Birds/Wildlife	M
BOD		Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	X
Alkalinity	M	Pipe Surveys	X
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	M

Notes

The Stream Ecology program was developed as part of the Henry Shaw Academy to provide middle school students with the hands-on opportunity to study rivers, streams, and watersheds.

Students participate in four canoe trips, one each season. Each canoe trip incorporates water monitoring and aquatic field research to study and assess the river's biological and chemical health.

The chemical and biological data that are collected will be submitted via computer telecommunications to TERC (Technology Education Research Centers), GREEN (Global Rivers Environmental Education Network), and the Conservation Federation of Missouri/Mo. Department of Conservation Stream Team Project. All data will be analyzed and compared with other regions and databases around the country.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lakes of Missouri Volunteer Program

MDNR-Water Pollution Control Program
P.O. Box 176
Jefferson City, MO 65109

Phone: 314-751-7225
FAX: 314-751-9396

Program Administration

Program Coordinator(s): Diana Fawks
Program Affiliate(s): Missouri Department of Natural Resources
Year Founded: 1992 Staff: 1.0 Active Volunteers: 33

Total Funding

Approx. Annual Budget: $ 30,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 50 Corporate: 0 Other: 50

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	30	9
■ River/Stream	3	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Notes

The Lakes of Missouri Volunteer Program relies on citizen volunteers to collect lake water samples and make field observations to aid the program in determining the general characteristics of the monitored lakes. Volunteers collect samples every three weeks between June and October. Water samples are sent for analysis to the University of Missouri in Columbia.

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	X
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	X
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Missouri Stream Team

MO Department of Conservation
P.O. Box 180
Jefferson City, MO 65102

Phone: 314-751-4115
FAX: 314-751-4864

Program Administration

Program Coordinator(s): Joseph P. Bachant
Program Affiliate(s): MO DNR, Conservation Federation of MO
Year Founded: 1989 Staff: 2.0 Active Volunteers: 10,000

Total Funding

Approx. Annual Budget: $ 100,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- □ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	X
Hardness	X	Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides	X	Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	X
BOD	X	Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	X
Alkalinity	X	Pipe Surveys	X
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

Missouri Stream Team has a total of 378 groups doing a wide variety of conservation work on all river basins in the state. The Stream Team is looking toward the future with the following goals: (1) to create a "Stream Team Institute" to begin a more comprehensive education/training effort; (2) to formalize the network of existing groups into a self-empowered association, and (3) to focus on landowner interests more intensively now that the "pilot stage" is over.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Stream Team - Water Quality Volunteers

James Czarnezki
P.O. Box 180
Jefferson City, MO 65102

Phone: 314-751-4115
FAX: 314-751-4864

Program Administration

Program Coordinator(s): James Czarnezki
Program Affiliate(s): Missouri Stream Team
Year Founded: 1992 Staff: 1.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 100,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	QG	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen	Q	Coliform Bacteria	
Phosphorus	Q	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	Q	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Missouri's Department of Conservation has just signed a Memorandum of Agreement with the Department of Natural Resources (the state regulatory agency), creating a sanctioned volunteer monitoring effort under the auspices of Missouri Stream Team. The new water quality monitoring program is just getting started. Plans include the training of 250 citizen volunteer monitors by the end of 1993.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Absaroka Creeks and Rivers Information Council (A-CRIC)

Michael Mason
P.O. Box 1610
Red Lodge, MT 59068

Phone: 406-962-3938
FAX:

Program Administration

Program Coordinator(s): Michael Mason
Program Affiliate(s):
Year Founded: 1993 Staff: 0.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The annual budget for the A-CRIC is not yet set; at present all funding comes from the Greater Yellowstone Coalition.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	2	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	BM
Hardness	M	Aquatic Vegetation	BM
Turbidity	M	Macroinvertebrates	BM
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	X
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD	M	Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Adopt-A-Stream Project

Jill Davies
14 Old Bull River Rd.
Noxon, MT 59853

Phone: 406-847-2228
FAX:

Program Administration

Program Coordinator(s): Jill Davies
Program Affiliate(s): Kootenai River Network
Year Founded: 1993 Staff: 2.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 26,000

Percent Funding By Source

State: 4 Foundation: 39 Dues: 0
Federal: 57 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- □ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

The start-up date for the project is August 1993.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	100	NA
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow	X	Watershed Mapping	X
Salinity	X	Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Advanced Biology Water Monitoring

Flathead High School
644 4th Ave. W.
Kalispell, MT 59901

Phone: 406-756-4502
FAX:

Program Administration

Program Coordinator(s): Linda de Kort
Program Affiliate(s):
Year Founded: 1991 Staff: 1.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 50

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

This program is an off-shoot of the school's Advanced Biology class. After eight weeks of lab and field testing of a particular river and lake as a class assignment, students are encouraged to choose a stream or lake in the area and set up a monitoring program. This program is still in the fledgling stages. One site has been monitored for a full year.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	4
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Clark Fork-Pend Oreille Coalition

Clark Fork-Pend Oreille Coalition
P.O. Box 7593
Missoula, MT 59807

Phone: 406-542-0539
FAX:

Program Administration

Program Coordinator(s): Ruth Watkins
Program Affiliate(s):
Year Founded: 1987 Staff: 1.0 Active Volunteers: 14

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ■ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	18	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	M
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Flathead Basin Volunteer Monitoring

Flathead Basin Commission
732 Fifth Avenue East
Kalispell, MT 59901

Phone: 406-752-0081
FAX: 406-752-0095

Program Administration

Program Coordinator(s): Mark Holston
Program Affiliate(s):
Year Founded: 1992 Staff: 1.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 20 Foundation: 0 Dues: 0
Federal: 40 Corporate: 40 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	25	12
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH		Chlorophyll	BW
Hardness		Aquatic Vegetation	BW
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	BW
BOD		Debris Cleanup	BW
Dissolved Oxygen		Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The project is the first of its kind in Montana and thus will serve as a model for other programs in the state. The project is being coordinated with the Montana Department of Health and Environmental Sciences Water Quality Bureau and the University of Montana Biological Station at Yellow Bay.

Initial funding to purchase start-up monitoring equipment was made available by the Coors Brewery Pure Water 2000 program. Additional funding through an EPA 70-30 matching grant will allow for the summer employment of an intern coordinator for the program, additional equipment, data collection and processing, lab analysis for chlorophyll and total phosphorus, and volunteer training.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lindbergh Lake Preservation Foundation

Lindbergh Lake Preservation Foundation
HCR31-Box 1120
Condon, MT 59826

Phone: 406-443-4245
FAX:

Program Administration

Program Coordinator(s): Steve McCue
Program Affiliate(s):
Year Founded: 1990 Staff: 0.0 Active Volunteers: 7

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	15	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	Q	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	Q
Phosphorus		Other Bacteria	
TSS/TDS	Q	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	Q	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	Q
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

MT Lake Water Quality Assessment Program

MT Dept. Health and Environmental Sciences
Cogswell Building
Helena, MT 59620

Phone: 406-444-5330
FAX: 406-444-1374

Program Administration

Program Coordinator(s): Loren Bahls
Program Affiliate(s): Flathead Basin Comm.; Canyon Ferry Limnological Inst.
Year Founded: 1993 Staff: .5 Active Volunteers: 60

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 30 Foundation: 0 Dues: 0
Federal: 70 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

The number of lakes monitored will increase from about 40 to near 60 in 1994.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	60	40
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	A
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus	A	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Chocorua Lake Association

Arthur Baldwin
P.O. Box 241
Chocorua, NH 03817

Phone: 603-328-8318
FAX:

Program Administration

Program Coordinator(s): Arthur D. Baldwin
Program Affiliate(s): NH Lakes Lay Monitoring Program
Year Founded: 1968 Staff: 0.0 Active Volunteers: 3

Total Funding

Approx. Annual Budget: $ 250

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Chocorua Lake is approximately 100 acres, and is less than a mile long. Under the auspices of the University of New Hampshire, a full survey was done in 1981. Since then, the Association performed at first yearly, now biannually, limited monitoring for the parameters checked. Data are sent to the University.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	1	1
■ River/Stream	1	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	X
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Connecticut River Watch Program

CRWP
199 Heater Road, Suite 1
Lebanon, NH 03766-1451

Phone: 603-448-4149
FAX:

Program Administration

Program Coordinator(s): Marie Levesque Caduto
Program Affiliate(s): River Watch Network
Year Founded: 1988 Staff: 1.0 Active Volunteers: 60

Total Funding

Approx. Annual Budget: $ 40,000

Percent Funding By Source

State: 35 Foundation: 25 Dues: 0
Federal: 0 Corporate: 0 Other: 40

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	104	18
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 3

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	BW
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	BW	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The Connecticut River Watch Program is a community-based volunteer water quality monitoring, improvement, and protection program for the Connecticut River and its tributaries in Vermont and New Hampshire. The program involves volunteers in collecting high quality, scientifically credible data on the physical, chemical, and biological indicators of water quality. Data are used to supply baseline information and to initiate improvement and maintenance projects.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Dwarf Wedge Mussel

Keene High School
Arch St.
Keene, NH 03431

Phone: 603-352-0640
FAX:

Program Administration

Program Coordinator(s): Cliff Lerner
Program Affiliate(s):
Year Founded: 1989 Staff: 1.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 2

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The dwarf wedge mussel (Alasmidonta heterodon), was placed on the Federal Endangered Species list in 1990. The Ashuelot River is one of only a few rivers where the mussel is known to still exist. Unfortunately, recent data seems to indicate that it is rapidly declining in this area.

A number of scientists have visited the region in an attempt to inventory the population of the mussel and to test possible hypotheses regarding its decline. Keene H.S. biology students have been asked to assist in the research.

Students form groups to test their hypotheses. Their work measures various parameters of the river at three different sites and they attempt to correlate their data with population studies taken at the same sites.

Students conduct a formal seminar to present their data and conclusions. Funding is provided by the Keene school district. Additional support is given by local organizations such as the Keene Conservation Commission, and national organizations such as the Nature Conservancy and the U.S. Fish and Wildlife Service. Students also raise funds for the project by designing and producing T-shirts publicizing the dwarf wedge mussel and the habitat it depends on.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Great Bay Watch

Ann Reid, Great Bay Watch, UNH Sea Grant
Kingman Farm
Durham, NH 03824

Phone: 603-749-1565
FAX: 603-743-3997

Program Administration

Program Coordinator(s): Ann S. Reid
Program Affiliate(s): UNH Sea Grant Extension
Year Founded: 1989 Staff: 0.0 Active Volunteers: 45

Total Funding

Approx. Annual Budget: $ 40,000

Percent Funding By Source

State: 40 Foundation: 0 Dues: 0
Federal: 40 Corporate: 0 Other: 20

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	13	
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	5
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	BW
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	BW
BOD		Debris Cleanup	A
Dissolved Oxygen	BW	Rainfall	BW
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Great Bay Watch was established in 1989 with a grant from NOAA. Past and current funding has been provided by the UNH/ University of Maine Sea Grant Marine Advisory Program, UNH Cooperative Extension, the Great Bay National Estuarine Research Reserve, the NH Coastal Program, the UNH undesignated gifts fund, and the Dover Conservation Commission.

Monitoring teams take samples twice a month from April through November. The information gathered is reported monthly, and is maintained in a computer database. It becomes part of the ecological picture of the estuary and is a valuable source of information for planners, governing bodies, government agencies, and researchers.

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NA - Not Available or Not Applicable √ - Applicable, but number not given

Lake Ecology (school program)

Science Center of New Hampshire
P.O. Box 173
Holderness, NH 03245

Phone: 603-968-7194
FAX: 603-968-2229

Program Administration

Program Coordinator(s): Margaret Gillespie
Program Affiliate(s):
Year Founded: 1984 Staff: 2.0 Active Volunteers: 600

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	1	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lake Sunapee Water Monitoring

Lake Sunapee Protective Association
P.O. Box 21
Georges Mills, NH 03751

Phone: 603-526-6662
FAX: 603-526-6662

Program Administration

Program Coordinator(s): Teriko MacConnell
Program Affiliate(s):
Year Founded: 1950 Staff: 1.0 Active Volunteers: 40

Total Funding

Approx. Annual Budget: $ 13,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	15	1
■ River/Stream	18	18
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	BW
Hardness		Aquatic Vegetation	S
Turbidity	BW	Macroinvertebrates	S
Chlorides		Fish	
Nitrogen		Coliform Bacteria	S
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity	BW	Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Merrimack River Water Quality Project

Sue Smith
30 Purgatory Rd.
Mount Vernon, NH 03057-0268

Phone: 603-672-0004
FAX: 603-672-0004

Program Administration

Program Coordinator(s): Suzette M. Smith
Program Affiliate(s): Merrimack River Watershed Council
Year Founded: 1991 Staff: 1.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 0 Federal: 0 Foundation: 25 Corporate: 50 Dues: 25 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	23	3
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	A
Chlorides		Fish	
Nitrogen		Coliform Bacteria	BW
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency		Photographic Surveys	A
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

Notes

The Merrimack River Water Quality Project is a pilot water quality monitoring, improvement, and protection program for the Merrimack River and its tributaries. Volunteers and high school students from communities in the Nashua region identify and address water quality problems facing their rivers. The project is sponsored by the Merrimack River Watershed Council, with the assistance of the River Watch Network (VT).

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

New Hampshire Lakes Lay Monitoring Program

109 Pettee Hall, UNH
55 College Rd.
Durham, NH 03824-3599

Phone: 603-862-3848
FAX: 603-862-1585

Program Administration

Program Coordinator(s): Jeffrey Schloss
Program Affiliate(s): UNH-Cooperative Extension; Freshwater Biology Grp.
Year Founded: 1978 Staff: 2.5 Active Volunteers: 600

Total Funding

Approx. Annual Budget: $ 80,000

Percent Funding By Source

State:	24	Foundation:	0	Dues:	43
Federal:	33	Corporate:	0	Other:	0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	163	105
■ River/Stream	79	70
□ Beaches		
□ Wells		
■ Wetlands	3	

Notes

In addition to the parameters listed, volunteers also monitor conductivity, phytoplankton, zooplankton, and zebra mussels.

Funding for the program comes from University of New Hampshire Cooperative Extension, USDA, and various lake and watershed associations.

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	X	Chlorophyll	W
Hardness		Aquatic Vegetation	A
Turbidity	W	Macroinvertebrates	Q
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	A
Phosphorus	M	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	D
Secchi Transparency	W	Photographic Surveys	A
Alkalinity	W	Pipe Surveys	X
Flow	W	Watershed Mapping	X
Salinity	X	Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

New Hampshire Volunteer Lake Assessment Program

Dept. of Environmental Services - NHVLAP
6 Hazen Drive
Concord, NH 03301

Phone: 603-271-3503
FAX: 603-271-2867

Program Administration

Program Coordinator(s): Natalie Landry / Jody Connor
Program Affiliate(s):
Year Founded: 1985 Staff: 1.5 Active Volunteers: 500

Total Funding

Approx. Annual Budget: $ 35,000

Percent Funding By Source

State: 90 Foundation: 0 Dues: 0
Federal: 10 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

In addition to the parameters listed, volunteers also monitor water color, conductivity, and phytoplankton.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	125	101
■ River/Stream	NA	400
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	M
Hardness		Aquatic Vegetation	X
Turbidity	M	Macroinvertebrates	X
Chlorides	X	Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus	M	Other Bacteria	X
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	X
Secchi Transparency	M	Photographic Surveys	
Alkalinity	M	Pipe Surveys	X
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Piscataquog Watershed Association

Piscataquog Watershed Association
58 Mason Drive
New Boston, NH 03070

Phone: 603-487-5036
FAX:

Program Administration

Program Coordinator(s): Cynthia Wilson
Program Affiliate(s):
Year Founded: 1970 Staff: 0.0 Active Volunteers: 7

Total Funding

Approx. Annual Budget: $ 600

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- □ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	9	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 2

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	A	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	S	Macroinvertebrates	A
Chlorides		Fish	
Nitrogen		Coliform Bacteria	A
Phosphorus	A	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	S	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity	A	Sediment Assessments	
Metals	A	Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

The primary goal of this recently developed program is to collect long-term stream quality data to establish trends. These trends can be utilized to describe and identify changes in stream quality. Volunteers and state biologists collaborate on both testing and evaluations of whether water quality is improving, declining, or remaining stable.

The monitoring process employed covers both chemical and biological parameters. While the chemical assessment provides information about what could be affecting the ecosystem in either a positive or negative way, the program's main focus is biological assessment.

Members of the Piscataquog Watershed Association, which includes seven New Hampshire towns in the watershed of the Piscataquog River, volunteer to work with three biologists provided by the New Hampshire Department of Environmental Services to conduct tests on two different occasions each spring. Early in the spring water samples are collected from the mouth and source of each branch of the river and evaluated in state laboratories. Later the group collects samples of macroinvertebrates from the river. Through the state the diversity of samplings is evaluated and a report written for the membership of the watershed association. The tools and instruments used by the group belong primarily to the state. A generous gift from an association member covers the costs of monitoring.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Avon Environmental Commission

c/o Husserl
132 Sylvania Lane
Avon by the Sea, NJ 07717

Phone: 908-776-7975
FAX: 908-775-8618

Program Administration

Program Coordinator(s): Dennis Husserl
Program Affiliate(s):
Year Founded: 1992 Staff: 0.0 Active Volunteers: 13

Total Funding

Approx. Annual Budget: $ 550

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	1
■ River/Stream	NA	1
■ Beaches	NA	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Barnegat Bay Watch Monitoring Program

New Jersey Marine Sciences Consortium
Sandy Hook Field Station, Bldg. 22
Fort Hancock, NJ 07732

Phone: 908-872-1300
FAX: 908-291-4483

Program Administration

Program Coordinator(s): John Tiedemann
Program Affiliate(s): NJ Sea Grant / NJ Marine Sciences Consortium
Year Founded: 1991 Staff: 3.0 Active Volunteers: 60

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 0 Foundation: 90 Dues: 0
Federal: 0 Corporate: 0 Other: 10

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- □ Local Government
- □ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	36	
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	BW
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	BW
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	BW	Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Barnegat Bay Watch Monitoring Program provides for ongoing monitoring of ecological conditions in Barnegat Bay (New Jersey). The program objectives include detecting episodic events and identifying trends or changes in habitats and water quality. Data collected by volunteers will provide elected officials and resource managers with information on the health and vitality of the Barnegat Bay ecosystem and be useful to scientists investigating problems associated with nonpoint source pollution, nutrient enrichment, and eutrophication; the development and distribution of nuisance algae blooms; and identification of critical habitats. The program is also designed to heighten public awareness and understanding about the importance of Barnegat Bay and the need for proper management of the resources of the bay.

Monitoring sites have been selected throughout the bay to include locations in all major embayments and at the mouths of major tributaries. In addition to the parameters listed (at left), volunteers are collecting information on water depth, weather conditions, water color and odor, algal bloom conditions, distribution and relative abundance of submerged aquatic vegetation, and observations of fish and wildlife species utilizing the various habitats in the bay.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Bay Cove Condominium Association

Bay Cove Condominium Association
5 Woodbury Lane
Lawrence, NJ 08648

Phone: 609-426-5525
FAX: 609-465-7616

Program Administration

Program Coordinator(s): Walter Nohstadt, Jr.
Program Affiliate(s): New Jersey Water Watch
Year Founded: 1988 Staff: 0.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	NA	
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Bay Cove Condominium Association is a group of property owners at Bay Cove Resort, Middle Township, Cap May County, New Jersey. The property adjoins Delaware Bay. The association has been part of New Jersey Water Watch since 1991. The group participates in the USEPA Clean Streets/Clean Beaches program, the Alliance for a Living Ocean, and distribution of NJ Water Watch's educational materials. The Association is conducting beach cleanups monthly in 1993.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Clean Ocean Action

Clean Ocean Action
P.O. Box 505
Highlands, NJ 07732

Phone: 908-872-0111
FAX: 908-872-8041

Program Administration

Program Coordinator(s): Cindy Zipf
Program Affiliate(s):
Year Founded: 1984 Staff: 1.0 Active Volunteers: 1,000

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State:	0	Foundation:	0	Dues:	0
Federal:	0	Corporate:	100	Other:	0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	30	
☐ Wells		
☐ Wetlands		

Notes

Clean Ocean Action funding comes from Asbury Park Press and Monmouth Cablevision. Clean Ocean Action is a coalition of 170 fishing, boating, diving, civic, and environmental groups concerned with cleaning up and protecting the waters of the New York Bight: the area of water from Montauk Point, New York, to Cape May, New Jersey.

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	S
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Delaware Riverkeeper Citizens Monitoring Programs

Delaware Riverkeeper Network
P.O. Box 753
Lambertville, NJ 08530

Phone: 609-397-0230
FAX: 609-397-0354

Program Administration

Program Coordinator(s): John P. Brunner
Program Affiliate(s):
Year Founded: 1991 Staff: 6.0 Active Volunteers: 300

Total Funding

Approx. Annual Budget: $ 100,000

Percent Funding By Source

State: 1 Foundation: 79 Dues: 10
Federal: 0 Corporate: 5 Other: 5

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	47	
□ Lake/Pond/Reservoir		
■ River/Stream	59	
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	BW	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	X
Secchi Transparency	BW	Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Fish Tagging Program

American Littoral Society
Sandy Hook
Highlands, NJ 07732

Phone: 908-291-0055
FAX: 908-872-8041

Program Administration

Program Coordinator(s): Pam Carlsen
Program Affiliate(s): American Littoral Society
Year Founded: 1965 Staff: 1.0 Active Volunteers: 1,000

Total Funding

Approx. Annual Budget: $ 20,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 50
Federal: 0 Corporate: 0 Other: 50

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Individual sportsfishermen as well as fishing clubs participate in the ALS's Fish Tagging Program. Through the program, many species of inshore marine game fish are measured, tagged, and released. The program is supported by membership dues and sale of tagging kits.

All the data are provided to the National Marine Fisheries Service in Woods Hole, MA, for use by scientists. The collected data were used to set up a striped bass management plan.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Musconetcong Watershed Association

Musconetcong Watershed Association
P.O. Box 87
Washington, NJ 07882

Phone: 908-689-9613
FAX:

Program Administration

Program Coordinator(s): Gary Pohorely
Program Affiliate(s):
Year Founded: 1993 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	5	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	BW
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	BW
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	BW
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

New Jersey Water Watch

NJ Dpt. of Environmental Protection and Energy
401 E. State St. CN 422
Trenton, NJ 08625-0422

Phone: 609-984-3588
FAX: 609-292-1803

Program Administration

Program Coordinator(s): Virginia Loftin
Program Affiliate(s):
Year Founded: 1987 Staff: 1.0 Active Volunteers: 1,000

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
■ Beaches	NA	
□ Wells		
□ Wetlands		

Notes

New Jersey Water Watch Program provides a channel for positive citizen involvement with New Jersey's water resources. Participants in the program are encouraged to play a role in maintaining or improving the quality of their local waterways. Activities include litter cleanups, water quality monitoring, canoe trips, nature trail development, wildlife surveys, and community education.

New Jersey Water Watch currently supports 120 groups involved in volunteer monitoring of a variety of parameters. Sampling regimes and parameters monitored vary from group to group.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency	X	Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity	X	Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

New Jersey Water Watch - Farrington Lake

Alma Edly
1548 Edly Cove Ct.
North Brunswick, NJ 08902

Phone: 908-297-0571
FAX: 908-246-8041

Program Administration

Program Coordinator(s): Alma Edly
Program Affiliate(s): NJ Water Watch
Year Founded: 1990 Staff: 1.0 Active Volunteers: 22

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	1	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

Notes

The NJ Water Watch - Farrington Lake group is a fourth-grade class that visits the lake at least three times a year to assess any apparent physical changes and pick up litter.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

NY/NJ Harbor BayKeeper Water Quality Monitoring

Baykeeper, American Littoral Society
Sandy Hook
Highlands, NJ 07732

Phone: 908-291-0176
FAX: 908-872-8041

Program Administration

Program Coordinator(s): Dennis Reynolds
Program Affiliate(s): American Littoral Society
Year Founded: 1991 Staff: 1.0 Active Volunteers: 80

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 0 Foundation: 90 Dues: 0
Federal: 0 Corporate: 0 Other: 10

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	27	
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	BW
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	BW
BOD		Debris Cleanup	X
Dissolved Oxygen	BW	Rainfall	BW
Secchi Transparency	BW	Photographic Surveys	
Alkalinity	BW	Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

The Water Quality Monitoring program of the NY/NJ Harbor Baykeeper currently consists of 27 monitoring stations around the NY/NJ Harbor. We are in the process of expanding the program to 40 stations.

Testing is performed every two weeks by approximately 80 volunteers in New York and New Jersey. Volunteers include school groups, civic groups, environmental groups, boaters, an urban canoe club and local citizens. Test findings that indicate dangerous levels are reported immediately to the proper authorities.

All test results are stored on a computer database. An annual report is distributed to various local, state and federal agencies and is available to interested parties.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Oceanport Water Watch Commission

Councilman Edward J. Miller
Oceanport Boro Hall, Myrtle Ave.
Oceanport, NJ 07757

Phone: 908-222-8221
FAX: 908-222-0945

Program Administration

Program Coordinator(s): Edward J. Miller
Program Affiliate(s): NJ Water Watch
Year Founded: 1990 Staff: 2.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	6	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	M
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	BW
Phosphorus	BW	Other Bacteria	
TSS/TDS	BW	Birds/Wildlife	
BOD	BW	Debris Cleanup	S
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Raritan Watch

Raritan River Educational Consortium
Cook College, Waller Hall - Rm. 6
New Brunswick, NJ 08903-0531

Phone: 908-932-7786
FAX: 908-932-1519

Program Administration

Program Coordinator(s): Paul H. Daniels/David Nash
Program Affiliate(s): New Jersey Water Watch
Year Founded: 1992 Staff: 2.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 8,400

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	2	
■ Lake/Pond/Reservoir	2	NA
■ River/Stream	8	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	M
Turbidity		Macroinvertebrates	M
Chlorides		Fish	M
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	M
BOD	M	Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency	M	Photographic Surveys	M
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	M
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Stony Brook Millstone StreamWatch

Stony Brook Millstone Watershed Association
31 Titus Mill Road
Pennington, NJ 08534

Phone: 609-737-3735
FAX: 609-737-3075

Program Administration

Program Coordinator(s): Jamie Kyte Sapoch
Program Affiliate(s):
Year Founded: 1992 Staff: 2.0 Active Volunteers: 40

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: √ Dues: √
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	21	10
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	BW
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	BW
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Trout Unlimited - East Jersey Chapter

Trout Unlimited - East Jersey Chapter
Box 366
Hohokus, NJ 07423

Phone: 201-792-2400
FAX:

Program Administration

Program Coordinator(s): Daniel Drozdowski
Program Affiliate(s): NJ Water Watch
Year Founded: NA Staff: 0.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	X
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD	X	Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons	X	Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Waterwatch / Coastal Patrol

Waterwatch / Coastal Patrol
P.O. Box 22
Somers Point, NJ 08244

Phone: 609-653-6301
FAX: 215-289-1957

Program Administration

Program Coordinator(s): Joel S. Fogel - Director
Program Affiliate(s): American Littoral Society
Year Founded: 1970 Staff: 3.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	300
■ Beaches	NA	
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity	X	Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

Waterwatch, which is associated with a network of water monitoring, conservation, and environmental organizations, is a coalition of nonprofit monitoring programs around the U.S. and the world. Initiated in 1970 in association with the American Littoral Society, Waterwatch and the Coastal Patrols have been gathering water quality and environmental information for over 20 years.

This information has been used to educate through the publication of books, and through syndicated newspaper articles and numerous TV interviews and specials. Waterwatch has also utilized its resources to bring legal suit against polluters on a local, national, and international basis.

Information in the form of reports and petitions has been used to lobby national legislation into law from 1972 to the present. These include: the 1972 Clean Water Act; the Wetlands Act; the current Beach Bill (HR-12) and the reenactment of the Clean Water Act.

Waterwatch travels to different parts of the country, doing one-time sampling. In 1990, they sampled from New York to Florida, along the intercoastal waterway, taking 7,000 samples.

Waterwatch plans to travel from Scandinavia to the Mediterranean and from China to Indonesia gathering water samples within the next two years.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Project del Rio

Project del Rio
1345 Camino de los Lopez, Suite B
Santa Fe, NM 87505

Phone: 505-471-7788
FAX: 505-471-7788

Program Administration

Program Coordinator(s): Lisa LaRocque
Program Affiliate(s):
Year Founded: 1990 Staff: 4.0 Active Volunteers: 1,700

Total Funding

Approx. Annual Budget: $ 300,000

Percent Funding By Source

State: 0 Foundation: 15 Dues: 0
Federal: 20 Corporate: 65 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	89	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 3

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	X
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

Project del Rio is a cooperative water quality monitoring project with high school students in Mexico and the United States. The project is intended to improve science skills, create an awareness of environmental issues, promote effective participation in community affairs, and provide students with a sense of the importance and complexities of international cooperation in protecting the earth's natural environment.

The project is designed to be integrated into any semester-long science class. Students from both countries conduct a variety of tests to determine the water quality of the Rio Grande at different points along its length. Each participating high school is responsible for testing the river at a particular location. Each school shares its results with other participating schools via a computer conference network, making it possible to develop collectively a water quality profile of the river in the border region. The project is by no means limited to science education. Students are encouraged in classroom and computer discussions to examine the cultural, political, and economic influences on water quality, with particular emphasis on cultural differences in the way natural resources are viewed and used.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Water Guardians

Surface Water Quality Bureau
P.O. Box 26110
Santa Fe, NM 87502

Phone: 505-827-2796
FAX: 505-827-0160

Program Administration

Program Coordinator(s): Bonney Hughes
Program Affiliate(s):
Year Founded: 1992 Staff: .2 Active Volunteers: 17

Total Funding

Approx. Annual Budget: $ 1,500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Water Guardians Program is primarily visual monitoring, very informal. Some participants do more detailed sampling.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	17	7
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

4-H Stream Monitoring

Oswega County Cooperative Extension
5869 Main St.
Mexico, NY 13114

Phone: 315-963-7289
FAX: 315-963-0968

Program Administration

Program Coordinator(s): Steve Brown
Program Affiliate(s):
Year Founded: 1991 Staff: 2.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	6	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness	S	Aquatic Vegetation	
Turbidity	S	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	S	Coliform Bacteria	
Phosphorus	S	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	S	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Adopt-A-Stream / Delta Laboratories

Adopt-A-Stream, Delta Laboratories
50 Salmon Creek Dr.
Hilton, NY 14468

Phone: 716-392-6450
FAX: 716-454-4698

Program Administration

Program Coordinator(s): Karen Fister
Program Affiliate(s):
Year Founded: 1986 Staff: 1.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 38,000

Percent Funding By Source

State: 0 Foundation: 75 Dues: 0
Federal: 0 Corporate: 0 Other: 25

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	7
■ River/Stream	NA	133
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness	S	Aquatic Vegetation	
Turbidity		Macroinvertebrates	S
Chlorides	S	Fish	
Nitrogen	S	Coliform Bacteria	
Phosphorus	S	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen	S	Rainfall	
Secchi Transparency	S	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	S	Watershed Mapping	A
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

In 1986, Delta Laboratories, Inc., initiated a community-based program for monitoring water quality. Called Adopt-A-Stream, the program invites people who are concerned about our nation's waterways to take an active role in assuring their well-being. Groups supported by local cosponsors (civic organizations or sportsmen's clubs) agree to evaluate their adopted waterways and take action together to improve their lake, stream, pond, or wetland.

As of March 1992, more than 141 schools and communities in 29 states and the District of Columbia are participating in the Adopt-A-Stream program. The Adopt-A-Stream program is flexible enough to fit nearly every school, community and waterway.

Adopt-A-Stream has developed curriculum materials for all grade levels.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

American Littoral Society

Staten Island Clearwater
P.O. Box 270 Stapleton Station
Staten Island, NY 10304

Phone: 908-291-0055
FAX:

Program Administration

Program Coordinator(s): Andy Willner
Program Affiliate(s): Staten Island Clearwater; NY/NJ Harbor Baykeeper
Year Founded: 1991 Staff: NA Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	4	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity	X	Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Battenkill River Watch

Battenkill River Watch
Box 85
E. Greenwich, NY 12826

Phone: 518-854-3911
FAX:

Program Administration

Program Coordinator(s): Doug Reed
Program Affiliate(s): River Watch Network
Year Founded: 1991 Staff: 0.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 8,000

Percent Funding By Source

State: 0 Foundation: 50 Dues: 0
Federal: 40 Corporate: 0 Other: 10

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Battenkill Conservancy - NY is implementing a River Watch program with assistance from the national River Watch Network. Guided by stewardship ethics, this water quality monitoring program is designed to measure and track the physical, chemical, and biological health of the river.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	9	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency	X	Photographic Surveys	X
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity	X	Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Baywatch

Freeport High School
South Brookside Ave.
Freeport, NY 11520

Phone: 516-867-5356
FAX:

Program Administration

Program Coordinator(s): Roger Gennari
Program Affiliate(s):
Year Founded: 1990 Staff: 2.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 250

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	1	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness	W	Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides	W	Fish	
Nitrogen	W	Coliform Bacteria	
Phosphorus	W	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	W	Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	W
Metals	W	Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Once a week students from Freeport High School's Marine Science classes collect water samples. These samples are collected from the tidal flow region connecting Woodcleft Canal to the bay.

Woodcleft Canal is one of the most highly developed commercial areas in Freeport. The canal connects to Freeport Creek, which distributes the outflow over one of the largest marsh complexes in Nassau County.

The students take air and water temperatures at the site and bring water samples back to school. These samples are analyzed by the students for pH, salinity, nitrates, nitrites, phosphates, carbon dioxide, chlorine, detergents, copper, iron, manganese, sulfates, sulfides, ammonia, hardness, and coliform bacteria.

By measuring these specific indicators of environmental health they hope to learn more about the ecosystem and its reactions to human activities. These results may also be used to measure discharge compliance and water quality.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Boquet River Association, Inc. (BRASS)

Boquet River Association
c/o County Complex
Elizabethtown, NY 12936

Phone: 518-873-6301
FAX: 518-873-6550

Program Administration

Program Coordinator(s): Robin Ulmer
Program Affiliate(s):
Year Founded: 1983 Staff: 1.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 52,000

Percent Funding By Source

State: 0 Foundation: 20 Dues: 5
Federal: 70 Corporate: 0 Other: 5

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	10	4
■ River/Stream	50	2
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

For nearly ten years the Boquet River Association, Inc. (BRASS) has monitored water quality for baseline data along 24 to 32 reaches of the Boquet River. Several years ago, BRASS began to monitor six to eight specific areas along the neighboring AuSable River. Volunteers collect water samples, and BRASS runs analyses in its laboratory.

With recent funding from the Lake Champlain Basin Program and the Clean Water Act 604(b), BRASS will be conducting specific in-stream, multiple-episode sampling during runoff events. Utilizing equipment and protocols equivalent to those used by professionals at the mouths of all Lake Champlain major tributaries, BRASS volunteers will hopefully contribute valuable data regarding in-stream phosphorus loadings and transport.

BRASS volunteers also construct and install sediment collection boxes and transport box contents monthly to the lab. At the lab, sediment is sieved, oven dried, and weighed. Results will help determine areas of sediment accumulation, and possible transport capacities and loading rates for cold water fish habitats.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

CNY Stream Survey Project

CNY Stream Survey Project
125 Euclid Drive
Fayetteville, NY 13066

Phone: 315-435-2640
FAX:

Program Administration

Program Coordinator(s): Les Monostory
Program Affiliate(s): Izaak Walton League of America
Year Founded: 1990 Staff: 0.0 Active Volunteers: 4

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	7	5
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	S	Macroinvertebrates	S
Chlorides		Fish	
Nitrogen	S	Coliform Bacteria	S
Phosphorus	S	Other Bacteria	
TSS/TDS	S	Birds/Wildlife	
BOD	S	Debris Cleanup	S
Dissolved Oxygen	S	Rainfall	
Secchi Transparency	S	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Coalition to Save Hempstead Harbor

Coalition to Save Hempstead Harbor
247 Sea Cliff Ave.
Sea Cliff, NY 11579

Phone: 516-759-3832
FAX: 516-676-4574

Program Administration

Program Coordinator(s): Carol DiPaolo
Program Affiliate(s):
Year Founded: 1992 Staff: 3.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 17,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 30
Federal: 0 Corporate: 0 Other: 70

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	1	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	1	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	W	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	W
BOD		Debris Cleanup	A
Dissolved Oxygen	W	Rainfall	W
Secchi Transparency	W	Photographic Surveys	
Alkalinity	W	Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Coalition to Save Hempstead Harbor has initiated a water monitoring program that includes publicizing hotline numbers for residents to call in the event that they observe unusual changes in water color or clarity or other unusual events. Water testing is performed with the support of volunteers and other organizations and includes an educational partnership with high school students from a local school district who help with sample collection and testing. Local boat owners and members of sports fishing groups assist in obtaining and testing midharbor samples.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Cornell Coop. Ext. Citizens Water Quality Monitoring

Cornell Cooperative Extension
39 Sound Ave.
Riverhead, NY 11901

Phone: 516-727-3910
FAX: 516-369-5944

Program Administration

Program Coordinator(s): Emerson Hasbrouck
Program Affiliate(s):
Year Founded: 1989 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	10	
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	M
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	M
BOD		Debris Cleanup	A
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	M	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Through its Marine Program, Cornell Cooperative Extension of Suffolk County sponsors a Citizen Water Quality Monitoring Program on Eastern Long Island. Marine surface waters involving estuaries and tidal wetlands are monitored for chemical and biological parameters. Stations are monitored on a monthly (or sometimes a biweekly) schedule, 12 months a year.

The program presently supports four separate monitoring efforts, in four different areas, staffed by four different sets of volunteers. These programs have generated much interest in the communities. In addition to the Suffolk County Marine Environmental Learning Center, various school groups also have been active with the monitoring programs.

The data from these monitoring programs are being used to supplement water quality studies being conducted by Cornell Cooperative Extension; to help provide baseline data for selected harbors for the Long Island Sound and Peconic Bay National Estuary Programs; to provide information to local decision makers; and for marine environmental education.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Friends of the Bay - Oyster Bay

Friends of the Bay
P.O. Box 564
Oyster Bay, NY 11771

Phone: 516-922-8066
FAX: 516-922-8066

Program Administration

Program Coordinator(s): Robert Crafa
Program Affiliate(s): Friends of the Bay
Year Founded: 1993 Staff: 2.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 3,000

Percent Funding By Source

State: 0 Foundation: 50 Dues: 25
Federal: 0 Corporate: 0 Other: 25

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	5	
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	W
Dissolved Oxygen	W	Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Friends of the Bay is a nonprofit environmental watchdog group established in 1988, consisting of 3,000 members dedicated to maintaining water quality in Oyster Bay, Long Island. Current activities include public education, preventing irresponsible development, monitoring the sewage treatment plant, and actively participating in government environmental planning. The volunteer water quality monitoring program will augment these activities by utilizing standardized methods to establish a longterm database acceptable to all levels of government to aid in planning, legislative, and regulatory decisions. Financial support will play a key role in determining the scope of the program.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Friends of the Tivoli Bays

Friends of the Tivoli Bays
RD 3 Box 46C
Red Hook, NY 12571-9437

Phone:
FAX:

Program Administration

Program Coordinator(s): Warren D. Bloomfield
Program Affiliate(s):
Year Founded: 1988 Staff: 3.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- □ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
□ Lake/Pond/Reservoir		
■ River/Stream	NA	2
□ Beaches		
□ Wells		
■ Wetlands	NA	

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Great Sacandaga Lake Water Quality Study

Great Sacandaga Lake Water Quality Study
P.O. Box 900
Northville, NY 12134

Phone: 518-863-4624
FAX:

Program Administration

Program Coordinator(s): Bradley Brownell
Program Affiliate(s):
Year Founded: 1991 Staff: 2.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 6,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 95
Federal: 0 Corporate: 0 Other: 5

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- □ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	12	1
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	
Chlorides		Fish	M
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	M
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Great Sacandaga Lake Water Quality Study was started in order to determine the present quality of water within the lake and surrounding watershed, to monitor lake water quality in future years in an effort to pinpoint changes, and to determine the best commercial and recreational use of the lake under existing water quality conditions.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Hudson Riverwatch Network

Hudson Riverwatch Network
Newcomb Central School
Newcomb, NY 12852

Phone: 518-582-3341
FAX:

Program Administration

Program Coordinator(s): Sandy Bureau
Program Affiliate(s): Riverwatch Network
Year Founded: 1991 Staff: 1.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 50

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	S
Chlorides		Fish	
Nitrogen	S	Coliform Bacteria	S
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	S	Debris Cleanup	
Dissolved Oxygen	S	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	S	Pipe Surveys	
Flow	S	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	S
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Hudson to Danube Riverwatch

Hudson to Danube Riverwatch
P.O. Box 3000, c/o A PVIC
Paul Smiths, NY 12970

Phone: 518-327-3000
FAX: 518-327-3052

Program Administration

Program Coordinator(s): Keith Wheeler
Program Affiliate(s): Riverwatch Network
Year Founded: 1990 Staff: 3.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 30,000

Percent Funding By Source

State: 80 Foundation: 20 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	62	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	S
Chlorides		Fish	
Nitrogen	S	Coliform Bacteria	S
Phosphorus	S	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	S	Debris Cleanup	
Dissolved Oxygen	S	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	S	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Kingfisher Alternative Sewage Project

Save the River Inc.
P.O. Box 322
Clayton, NY 13624

Phone: 315-686-2010
FAX:

Program Administration

Program Coordinator(s): Laurie Marr
Program Affiliate(s): Save the River
Year Founded: 1984 Staff: 2.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 0 Foundation: 90 Dues: 10
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Kingfisher Alternative Sewage Project works to keep sewage out of the St. Lawrence River. The group is active in the Thousand Islands area of the river. In addition to the group's monitoring of the river, they also inspect waterfront sewage disposal systems and lobby for legislation that would require onsite sewage system inspections whenever a building permit is needed and before a property is sold. The group has tested approximately 800 waterfront residences.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lake George Lay Monitoring Program

Lake George Association
Box 408
Lake George, NY 12845

Phone: 518-668-3558
FAX: 518-668-4702

Program Administration

Program Coordinator(s): Rensselaer Fresh Water Institute
Program Affiliate(s):
Year Founded: NA Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: √ Dues: 0
Federal: 0 Corporate: 0 Other: √

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	1
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 2

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH		Chlorophyll	W
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lower Esopus River Watch

Lower Esopus River Watch
6 Hill Street
Saugerties, NY 12477

Phone: 914-246-1921
FAX:

Program Administration

Program Coordinator(s): Joel Schuman
Program Affiliate(s):
Year Founded: 1992 Staff: 0.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 33,000

Percent Funding By Source

State: 0 Foundation: 70 Dues: 0
Federal: 0 Corporate: 10 Other: 20

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	24	4
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	
pH	BM	Chlorophyll	
Hardness		Aquatic Vegetation	BM
Turbidity	BM	Macroinvertebrates	BM
Chlorides		Fish	
Nitrogen		Coliform Bacteria	BM
Phosphorus	BM	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	BM	Debris Cleanup	X
Dissolved Oxygen	BM	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Lower Esopus River Watch Program is a local collaboration working to learn more about the health of Esopus Creek (from Ashokan Reservoir to the Hudson) and its watershed. The long-term goal is to restore and maintain the creek's ecological integrity. Volunteers and students collect and analyze water and aquatic life samples at sites on Esopus, Sawkill, and Plattekill Creeks.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Manhasset Bay Marine Biology Program

Peter R. Warny
34 Bridle Path
Port Washington, NY 11050

Phone: 516-883-3573
FAX:

Program Administration

Program Coordinator(s): Dr. John Loret
Program Affiliate(s): Science Museum of Long Island
Year Founded: 1991 Staff: 5.0 Active Volunteers: 75

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 60 Dues: 0
Federal: 0 Corporate: 30 Other: 10

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	2	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	2	
☐ Wells		
■ Wetlands	1	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	X	Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Mianus River Watershed Project

Westchester Land Trust
31 Main St.
Bedford Hills, NY 10507

Phone: 914-241-6346
FAX: 914-241-4508

Program Administration

Program Coordinator(s): Alice Bamberger
Program Affiliate(s):
Year Founded: 1990 Staff: 1.0 Active Volunteers: 75

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 60 Dues: 0
Federal: 0 Corporate: 25 Other: 15

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	10	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	Q
Chlorides	M	Fish	
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	M	Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

New York Audubon, Delaware River Water Watch

The Audubon Society of New York State
Route 55, P.O. Box 111
Eldred, NY 12732

Phone: 914-557-8025
FAX: 914-557-6404

Program Administration

Program Coordinator(s): Lori Danuff McKean
Program Affiliate(s): Audubon Society of New York
Year Founded: 1992 Staff: 1.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 15,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 25 Other: 75

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	4	4
■ River/Stream	20	13
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	X
pH	X	Chlorophyll	X
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency	X	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

The federal government has deemed a 73-mile stretch of the Upper Delaware River worthy of special protection, designating it the Upper Delaware Scenic and Recreational River, under the auspices of the National Park Service.

Though there is some governmental water quality monitoring, the Audubon Society of New York felt the valley needed a citizen-based volunteer water monitoring program.

The goal of this grassroots effort, which started in 1992, is education and a heightened awareness of water quality and conservation techniques as well as monitoring the streams and lakes in the watershed for water quality.

The Audubon Society has joined forces with a local "Friends of the Upper Delaware" citizen group to recruit and train volunteer monitors, to provide environmental outreach programs to the community, and to administer a water conservation education program in the schools.

Because of the wide expanse and rural nature of the Delaware River Valley, it is hoped the New York Audubon Water Watch Program can help fill some gaps in current and future monitoring programs and become a year-round, credible and effective watchdog group that will help keep the Delaware River clean.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

NY Citizens Statewide Lake Assessment Program (CSLAP)

NYDEC
Division of Water Rm. 103
Albany, NY 12233-3502

Phone: 518-457-7470
FAX: 518-485-7786

Program Administration

Program Coordinator(s): Scott A. Kishbaugh
Program Affiliate(s): NYS DEC, NY FOLA
Year Founded: 1986 Staff: 2.0 Active Volunteers: 525

Total Funding

Approx. Annual Budget: $ 150,000

Percent Funding By Source

State: 85 Foundation: 10 Dues: 0
Federal: 5 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	106
■ River/Stream	NA	15
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	BW
Hardness	BW	Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The New York Citizens Statewide Lake Assessment Program (CSLAP) monitors New York lakes, ponds, and reservoirs for physical, chemical, and biological parameters. Volunteers from lake associations determine water transparency, and make visual assessments of productivity, clarity, and aesthetics. They collect water samples using equipment and sampling techniques provided during onsite training and quality control visits. The samples are field preserved and filtered, and sent to NYS Department of Health. Samples are analyzed for at least water temperature, pH, conductivity, true color, nitrate, total phosphorus, and chlorophyll a. Most volunteers also monitor and collect samples for rooted vegetation, phytoplankton, zooplankton, and zebra mussels (with all species identified by professional staff), and measure temperature and dissolved oxygen profiles, lake levels, and precipitation.

In 1992, CSLAP involved more than 500 volunteers at over 100 public and private lakes statewide, ranging in size from 12 acres to 45,000 acres. All participating lake associations are members of the NY Federation of Lake Associations, a not-for-profit coalition based in Cazenovia. Data are used by the state and local communities for determining baseline trends, lake management and watershed planning, water quality reports and for educational purposes. Results are communicated through annual and five-year summary reports, newsletters, press releases, and local and statewide lake association meetings.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Oatka Creek Adopt-A-Stream

Environmental Sciences Section, Corporate HAEL
Eastman Kodak Co. Bldg. 306, Kodak Park
Rochester, NY 14652-3617

Phone: 716-588-2140
FAX: 716-588-6855

Program Administration

Program Coordinator(s): Joe Gorsuch, Jay Costanza
Program Affiliate(s): Eastman Kodak Co. and Ben Franklin High School
Year Founded: 1989 Staff: 10.0 Active Volunteers: 40

Total Funding

Approx. Annual Budget: $ 20,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 50 Other: 50

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 2

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	A	Pesticides	
pH	A	Chlorophyll	
Hardness	A	Aquatic Vegetation	X
Turbidity	A	Macroinvertebrates	A
Chlorides	A	Fish	
Nitrogen	A	Coliform Bacteria	
Phosphorus	A	Other Bacteria	X
TSS/TDS	X	Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	A	Rainfall	
Secchi Transparency	A	Photographic Surveys	
Alkalinity	A	Pipe Surveys	
Flow	A	Watershed Mapping	
Salinity	X	Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Oatka Creek Adopt-A-Stream project came out of the 8-year partnership between the Eastman Kodak Company and the Rochester School District's Benjamin Franklin High School's Bioscience and Health Careers Academy. The Adopt-A-Stream project is a hands-on learning project for the ninth-grade students. Through this effort, students participate in annual testing of the Oatka Creek, 20 miles south of Rochester, New York. The creek supports both warm water and cold water fisheries and the segment that is studied is a unique habitat for populations of natural breeding rainbow, brook, and brown trout.

Working with Kodak scientists, the students collect and analyze stream water for hardness, phosphates, nitrates, chlorides, ammonia, zinc, copper, iron, dissolved oxygen and carbon dioxide, as well as color, turbidity, temperature, and acidity. Sampling will continue indefinitely to ensure that the natural breeding of the trout continues.

The information gathered by the students is of particular interest to members of Trout Unlimited, who are interested in the impact of sprawling urban developments approaching the Oatka Creek watershed. The data are provided to the New York State Department of Environmental Conservation as well as Trout Unlimited and other concerned citizens groups.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Onesquethaw Creek Water Watch

The Audubon Society of New York State
46 Rarick Road
Selkirk, NY 12158

Phone: 518-767-9051
FAX: 518-767-9076

Program Administration

Program Coordinator(s): Jean MacKay
Program Affiliate(s): Audubon Society of New York State
Year Founded: 1993 Staff: 1.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	4	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	X
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The Onesquethaw Creek Water Watch was founded in 1993 to promote conservation of the Onesquethaw Creek and its watershed in Albany County, NY. The program is designed to educate the public about the unique geology and hydrology of the Onesquethaw Creek and to raise awareness on water quality issues. The Onesquethaw Creek Watershed is a karst terrain, which means that groundwater flow rates within the watershed are high. Because the watershed area is quickly becoming a suburb of Albany, NY, development pressure has increased in recent years. Onesquethaw Creek Water Watch hopes to get community residents thinking about a watershed approach to management.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Owasco Lake - Coliform Testing

Anthony Hart, Owasco Watershed Lake
P.O. Box 1
Auburn, NY 13021

Phone: 315-784-5480
FAX:

Program Administration

Program Coordinator(s): Anthony Hart
Program Affiliate(s):
Year Founded: 1992 Staff: 4.0 Active Volunteers: 29

Total Funding

Approx. Annual Budget: $ 4,000

Percent Funding By Source

State: 10 Foundation: 0 Dues: 90
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- □ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	20	1
■ River/Stream	4	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 3

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	W
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	D
Secchi Transparency		Photographic Surveys	A
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Piping Plover Inventory & Monitoring Program

Fire Island National Seashore
120 Laurel St.
Patchogue, NY 11772

Phone: 516-289-4810
FAX: 516-289-4898

Program Administration

Program Coordinator(s): James A. Ebert
Program Affiliate(s): Fire Island National Seashore
Year Founded: 1991 Staff: 4.0 Active Volunteers: 4

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 0 Foundation: 20 Dues: 0
Federal: 80 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	3	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	D
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Project RiverWatch

Div. Natural Science
State Univ. of New York at Purchase
Purchase, NY 10577-1400

Phone: 914-251-6641
FAX: 914-251-6635

Program Administration

Program Coordinator(s): Dr. Barbara L. Dexter
Program Affiliate(s):
Year Founded: 1986 Staff: 1.0 Active Volunteers: 40

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 5 Foundation: 95 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	3
■ River/Stream	NA	7
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 11

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	M
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	X
Phosphorus	BW	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD	X	Debris Cleanup	A
Dissolved Oxygen	BW	Rainfall	D
Secchi Transparency	X	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	A
Salinity	BW	Sediment Assessments	
Metals	X	Site Inspections	X
Hydrocarbons	X	Habitat Assessments	X

Notes

Project RiverWatch is a community outreach, environmental education, and research organization based at SUNY-Purchase, Westchester County, NY. RiverWatch is dedicated to the long-term study of surface freshwater and coastal estuarine systems. Wherever possible, funding is provided for school groups and community conservation organizations to conduct water quality monitoring, including the collection of physical measurements, water samples for chemical testing, and biological samples. Workshops and field trips are held to train volunteers and assist in the collection and interpretation of water quality data. Annual reports on each system under study are made available to group members and interested municipal organizations.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

RiverLovers' Croton River RiverWatch

RiverLovers, Inc.
Box 521
Crugers, NY 10521

Phone:
FAX:

Program Administration

Program Coordinator(s): W. H. Flank
Program Affiliate(s): River Watch Project
Year Founded: 1990 Staff: 0.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 200

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	3	
☐ Lake/Pond/Reservoir		
■ River/Stream	2	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	BW
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Schenectady County 4-H

Schenectady County 4-H
1 Broadway Center, Suite 820
Schenectady, NY 12305

Phone: 518-372-1622
FAX: 518-372-8703

Program Administration

Program Coordinator(s): Sharon Anderson
Program Affiliate(s): Cornell Cooperative Extension
Year Founded: 1993 Staff: 1.0 Active Volunteers: 1

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Schenectedy 4-H is in the process of organizing a volunteer water monitoring program.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir		2
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season:

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Sound Watch Water Testing Program

Water Testing Program, Sound Watch, Inc.
P.O. Box 104
City Island, NY 10464

Phone: 718-885-2566
FAX:

Program Administration

Program Coordinator(s): David Sexton
Program Affiliate(s): Sound Watch, Inc.
Year Founded: 1990 Staff: 0.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 4,000

Percent Funding By Source

State: 0 Foundation: 20 Dues: 50
Federal: 0 Corporate: 0 Other: 30

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	6	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

SoundWatch is a 100% volunteer environmental organization advocating environmentally sound policies for the Long Island Sound. One of our more popular programs is the Water Testing Program. We produce a technical report at the end of the season documenting our findings. The report includes all dissolved oxygen, salinity and temperature data collected in the field. The data are collected weekly on a diurnal basis (6 a.m. and 1 p.m.) every Saturday from May through September. The data are collected at six sampling stations in the Eastchester Bay and the Hutchinson Creek, Bronx, New York.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Stream Team (4-H Club)

Cornell Cooperative Extension, Orleans
Box 150
Albion, NY 14411

Phone: 716-589-5561
FAX:

Program Administration

Program Coordinator(s): Celeste & Jeff Carmichael
Program Affiliate(s):
Year Founded: 1992 Staff: 1.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 160

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	A
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	X
Nitrogen	Q	Coliform Bacteria	
Phosphorus	Q	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	Q
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	Q	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Stream Team is a 4-H Club project that started last summer. The group monitors the Oak Orchard watershed. The primary goal of this group is education. Funding comes entirely from fundraisers. The club is made up of 12 teenagers.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Upper Esopus Creek Stream Watch

P.O. Box 1481
Olivebridge, NY 12461

Phone: 914-657-2013
FAX:

Program Administration

Program Coordinator(s): Jim Mays
Program Affiliate(s):
Year Founded: 1992 Staff: .3 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	4
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	BW
Turbidity	BW	Macroinvertebrates	BW
Chlorides		Fish	BW
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	BW
BOD		Debris Cleanup	X
Dissolved Oxygen	BW	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Wappinger Creek Watershed Watch

Institute of Ecosystem Studies
Box R
Millbrook, NY 12545

Phone: 914-677-5358
FAX: 914-677-6455

Program Administration

Program Coordinator(s): Diana Wilson
Program Affiliate(s):
Year Founded: 1991 Staff: 1.0 Active Volunteers: 500

Total Funding

Approx. Annual Budget: $ 8,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	5	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	Q
Chlorides	Q	Fish	Q
Nitrogen	Q	Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS	Q	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	Q	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Youth Environmental Action Club

Liverpool High School
4338 Wetzel Rd.
Liverpool, NY 13090

Phone: 315-453-1156
FAX: 315-453-1246

Program Administration

Program Coordinator(s): Stephen J. Bero
Program Affiliate(s): Izaak Walton League; Adopt-A-Stream
Year Founded: 1990 Staff: 4.0 Active Volunteers: 60

Total Funding

Approx. Annual Budget: $ 200

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Youth Environmental Action Club of Liverpool High School has adopted two streams, the Nine Mile Creek and the Friendship Woods Stream. The group does semiannual sampling of water quality in both streams.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness	S	Aquatic Vegetation	
Turbidity	S	Macroinvertebrates	S
Chlorides	S	Fish	S
Nitrogen	S	Coliform Bacteria	S
Phosphorus	S	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	S	Debris Cleanup	
Dissolved Oxygen	S	Rainfall	
Secchi Transparency	S	Photographic Surveys	
Alkalinity	S	Pipe Surveys	
Flow	S	Watershed Mapping	
Salinity	S	Sediment Assessments	
Metals	S	Site Inspections	
Hydrocarbons		Habitat Assessments	S

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Albemarle Environmental Assoc. Water Quality Monitoring

Albemarle Environmental Association
P.O. Box 5346
Hertford, NC 27944

Phone: 919-426-9563
FAX:

Program Administration

Program Coordinator(s): Carolyn Hess
Program Affiliate(s): Albemarle Pamlico Estuarine Study Citizens WQM Program
Year Founded: 1988 Staff: NA Active Volunteers: 8

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	8	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Albemarle-Pamlico Citizens Water Quality Monitoring Program

Institute for Coastal and Marine Resources
East Carolina University
Greenville, NC 27858

Phone: 919-757-6752
FAX: 919-757-4265

Program Administration

Program Coordinator(s): G. Dodd Galbreath
Program Affiliate(s):
Year Founded: 1988 Staff: 1.0 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ 60,000

Percent Funding By Source

State: 37 Foundation: 0 Dues: 0
Federal: 63 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	75	
□ Lake/Pond/Reservoir		
■ River/Stream	20	15
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	W
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	W	Coliform Bacteria	W
Phosphorus	W	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	W
Secchi Transparency	W	Photographic Surveys	W
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Citizen Water Quality Monitoring Program is a network of volunteers from all walks of life who keep track of surface water quality in the Albemarle and Pamlico sounds and their tributaries. The program, which is administered by the state, began in 1988 and is currently funded through the Albemarle-Pamlico Estuarine Study, a U.S. EPA Estuary Program. Data from the citizen monitoring program are used in the state GIS data base.

The program consists of educational projects, baseline studies, and parameter-specific targeted studies to address water quality issues and problems. Volunteer participation and data advocacy are facilitated through seven regional environmental organizations or representatives.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Citizen Water Quality Monitoring / Carteret County Crossroads

Irving R. Hooper
Rt. 1, Box 284
Beaufort, NC 28516-9713

Phone: 919-728-5117
FAX:

Program Administration

Program Coordinator(s): Irving R. Hooper
Program Affiliate(s): Albemarle-Pamlico Estuarine Study
Year Founded: 1991 Staff: 0.0 Active Volunteers: 9

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	9	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	W
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Currituck Sound Monitoring Program

Currituck Sound Monitoring Program
901 Church Street
Elizabeth City, NC 27909

Phone: 919-338-3557
FAX:

Program Administration

Program Coordinator(s): Yates Barber
Program Affiliate(s): Albemarle Pamlico Estuarine Study
Year Founded: 1989 Staff: 1.0 Active Volunteers: 8

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	5	
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	W
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	W	Coliform Bacteria	
Phosphorus	W	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	W
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Haw River Assembly Streamwatch Program

Elaine Chiosso
Rt. 2 Box 420
Pittsboro, NC 27312

Phone: 919-542-4957
FAX:

Program Administration

Program Coordinator(s): Elaine Chiosso
Program Affiliate(s): NC Streamwatch
Year Founded: 1982 Staff: 0.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Haw River Assembly is a conservation group working to protect and restore the Haw River and its tributaries. The group's annual focus is the Haw River Festival—a four-week multi-county riverside education program for elementary school children.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	X
pH	X	Chlorophyll	X
Hardness	X	Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides	X	Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	X
TSS/TDS	X	Birds/Wildlife	X
BOD	X	Debris Cleanup	A
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	X
Alkalinity	X	Pipe Surveys	X
Flow	X	Watershed Mapping	X
Salinity	X	Sediment Assessments	X
Metals	X	Site Inspections	
Hydrocarbons	X	Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

New Hope Creek Stream Watch

New Hope Creek Stream Watch
Rt. 7 Box 592
Chapel Hill, NC 27514

Phone: 919-933-5650
FAX:

Program Administration

Program Coordinator(s): John N. Kent
Program Affiliate(s): NC Stream Watch/New Hope Chap. Natl. Audubon Soc.
Year Founded: 1990 Staff: 0.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 200

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	1
☐ Beaches		
☐ Wells		
■ Wetlands	2	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	M
Turbidity	M	Macroinvertebrates	M
Chlorides		Fish	X
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	A
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Northeast New Hanover Conservancy

NE New Hanover Conservancy
126 Beach Road South
Wilmington, NC 28405

Phone: 919-686-0362
FAX:

Program Administration

Program Coordinator(s): Paula Bushardt
Program Affiliate(s):
Year Founded: 1982 Staff: 0.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 50
Federal: 0 Corporate: 0 Other: 50

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- □ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	10	
□ Lake/Pond/Reservoir		
■ River/Stream	NA	3
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	X
pH	X	Chlorophyll	X
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	X
TSS/TDS		Birds/Wildlife	X
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity	X	Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Rock Rest Adventures

Rock Rest Adventures
Rt. 2, Box 424
Pittsboro, NC 27312

Phone: 919-542-5502
FAX:

Program Administration

Program Coordinator(s): Joe Jacob
Program Affiliate(s):
Year Founded: 1989 Staff: 1.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Rock Rest Adventures is able to keep a constant eye on the river. They work with various conservation groups to keep the public aware of the importance of good water quality.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	1	1
■ River/Stream	7	4
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	M
BOD		Debris Cleanup	M
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Stream Watch

NC Division of Water Resources, EHNR
P.O. Box 27687
Raleigh, NC 27611

Phone: 919-733-4064
FAX: 919-733-3558

Program Administration

Program Coordinator(s): George Norris
Program Affiliate(s):
Year Founded: 1983 Staff: 1.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Stream Watch (Student Environmental Union)

Robert Corbin, Myers Park H. S.
2400 Colony Rd.
Charlotte, NC 28209

Phone: 704-343-5800
FAX:

Program Administration

Program Coordinator(s): Robert Corbin
Program Affiliate(s): North Carolina Stream Watch Adopt-A-Stream Program
Year Founded: 1990 Staff: 0.0 Active Volunteers: 140

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides	X	Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	X
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

Myers Park High School has an ecology club called the "Student Environmental Union." Streamwatch is one of the volunteer activities of this group. The group does qualitative and quantitative tests for ammonia-nitrogen, chromate, silica, dissolved oxygen, lead, cyanide, iron, pH, copper, chlorine, phosphate, nitrate, sulfide, and fecal coliforms, and biomonitoring of aquatic vertebrates and invertebrates biweekly. If students obtain results that are outside the range of "acceptable water quality" they report these results to the North Carolina Resources Commission and the Charlotte, NC, EPA. The group concentrates on streams that are within the Charlotte city limits.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Surface Water Assessment Team (SWAT)

SWAT
29-1/2 Page Ave.
Asheville, NC 28801

Phone: 704-251-0518
FAX:

Program Administration

Program Coordinator(s): Ginny Lindsey
Program Affiliate(s): Clean Water Fund of North Carolina
Year Founded: 1992 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 0 Foundation: 50 Dues: 0
Federal: 0 Corporate: 0 Other: 50

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- □ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

The Surface Water Assessment Team (SWAT) is composed of volunteers trained to make a general assessment of stream health. Volunteers identify aquatic insects, complete a stream survey, and take temperature, pH, and Imhoff cone readings. SWAT conducts preliminary investigations for ordinary people concerned about the health of their streams. This project educates all ages about stream ecology and seeks to motivate citizens to become active in water quality protection. SWAT investigators are helpful to citizens seeking stream classification upgrades or concerned about pollution problems. SWAT is a project of the Clean Water Fund of North Carolina, a nonprofit environmental organization dedicated to serving the grassroots.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Volunteer Stream Walk Program

Mecklenburg Co. Dept. Environmental Protection
700 N. Tryon St.
Charlotte, NC 28202

Phone: 704-336-5500
FAX: 704-336-4391

Program Administration

Program Coordinator(s): Anthony Roux /Rusty Rozzelle
Program Affiliate(s): Mecklenburg Co. Dept. Environmental Protection
Year Founded: 1992 Staff: 6.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Volunteer Stream Walk Program of MCDEP utilizes volunteers to walk various stream segments in Charlotte and Mecklenburg counties looking for sources of stream pollution (point and nonpoint). The staff of MCDEP trains volunteers and follows up on sources of pollution found by volunteers.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Volunteer Water Information Network (VWIN)

Environmental Quality Institute
UNC - Asheville
Asheville, NC 28804

Phone: 704-251-6104
FAX: 704-251-6800

Program Administration

Program Coordinator(s): Darlene Kucken / Mary Harwell
Program Affiliate(s): UNC - Asheville & The French Broad River Foundation
Year Founded: 1990 Staff: .5 Active Volunteers: 140

Total Funding

Approx. Annual Budget: $ 24,000

Percent Funding By Source

State: 0 Foundation: 25 Dues: 0
Federal: 0 Corporate: 0 Other: 75

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	68	60
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	A
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	M
Secchi Transparency		Photographic Surveys	
Alkalinity	M	Pipe Surveys	
Flow	M	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals	M	Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Volunteer Water Information Network was established in January 1990 through the joint efforts of the French Broad River Foundation and the UNC-Asheville Environmental Quality Institute (EQI) laboratory. This volunteer-based program monthly monitors 68 stream sites located within the watershed of the French Broad River. Volunteers are given training in proper sampling techniques and are provided with interpretation on results of all sites in the network. This program has the unique capacity of providing STORET-acceptable data, while simultaneously functioning as an education/awareness program.

The UNC-Asheville EQI is able to offer its technical assistance in making lake and watershed monitoring programs a success by offering low-cost laboratory analysis as part of a research cooperative. Because of the substantial volunteer time, the program is able to function on a budget of approximately $350/site/year, while providing an extensive water quality database for effective watershed management. The EQI is willing to provide analytical support to any volunteer group.

For more information, contact VWIN at the address listed above; or the French Broad River Foundation at 70 Woodfin Pl., Ste. 327, Asheville, NC 28801; or the Environmental Quality Institute, University of North Carolina, 1 University Heights, Asheville, NC 28804-3299, tel. (704) 251-6441.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Western NC Alliance Watershed Monitoring/Educ. Prog.

WNCA Watershed Mon./Educational Prog.
70 Woodfin Place, Suite 3
Asheville, NC 28802

Phone: 704-258-8737
FAX: 704-258-9141

Program Administration

Program Coordinator(s): Dr. William O. McLarney
Program Affiliate(s): TVA Water Resources Monitoring
Year Founded: 1988 Staff: 2.0 Active Volunteers: 150

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 95 Corporate: 0 Other: 5

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	40	2
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

Despite the ecological, economic, and aesthetic importance of river and stream ecosystems, the public is largely uninformed, and thus unconcerned, about the rich biological diversity and unique and threatened habitats present in rivers and streams around them. This makes it difficult to generate the public pressure necessary to foster effective regulations and policies to protect aquatic resources.
Recognizing both challenge and opportunity, the Western North Carolina Alliance (WNCA), a grassroots environmental organization, and the Tennesssee Valley Authority (TVA) have collaborated on a successful project which uses community volunteers to help conduct Index of Biological Integrity (IBI) surveys of fish and invertebrate diversity and assess complex land use impacts in two western NC watersheds. Over the past four years, WNCA has been able to give "everyday" people a hands-on lesson in stream ecology, inspiring many to activism. On a shoestring budget, the project uses IBI to prioritize future conservation efforts.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

River Keepers

River Keepers
P.O. Box 171
Fargo, ND 58107

Phone: 701-235-2895
FAX: 701-235-7394

Program Administration

Program Coordinator(s): Steve Zaiser
Program Affiliate(s):
Year Founded: 1990 Staff: 1.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 20
Federal: 0 Corporate: 80 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	X	Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

4-H Club Stream Monitoring

4-H Club Stream Monitoring
1676 Bickel Rd.
Greenville, OH 45331

Phone: 513-548-1074
FAX:

Program Administration

Program Coordinator(s): Susan Gray
Program Affiliate(s): Ohio Scenic Rivers - Stream Quality Monitoring Project
Year Founded: 1974 Staff: 1.0 Active Volunteers: 4

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus	Q	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	Q
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Biological Stream Monitoring

Hamilton County Park District
10245 Winton Rd.
Cincinnati, OH 45231

Phone: 513-521-7275
FAX: 513-521-2606

Program Administration

Program Coordinator(s): Geoffrey Edwards
Program Affiliate(s): Ohio Department of Natural Resources
Year Founded: 1981 Staff: 1.0 Active Volunteers: 9

Total Funding

Approx. Annual Budget: $ 50

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	13	13
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

BIONET

Dept. of Biology ASC 275B
The University of Akron
Akron, OH 44325

Phone: 216-972-7165
FAX:

Program Administration

Program Coordinator(s): Dr. Ken Krieger & John Olive
Program Affiliate(s):
Year Founded: 1992 Staff: 2.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	2	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	A
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Lake Erie Basin Tributary Biomonitoring and College Education Network (BIONET) was established in 1992 to accomplish longterm stream biomonitoring, provide experiential learning in the college curriculum, and enhance faculty proficiency in the practice of freshwater ecology.

The program has just started. Funding sources are being sought to cover the estimated $1,000 annual budget. The program hopes to expand to monitor 10 - 20 sites on tributaries to Lake Erie.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Butler Soil & Water Conservation District

Butler SWCD
1810 Princeton Rd.
Hamilton, OH 45011

Phone: 513-887-3720
FAX:

Program Administration

Program Coordinator(s): Dave Carter
Program Affiliate(s):
Year Founded: 1990 Staff: 1.0 Active Volunteers: 8

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 40 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 60

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	4
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	X
pH	BM	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BM	Macroinvertebrates	BM
Chlorides	X	Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BM	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Citizens for Buckeye Basin, Inc.

Environmental Institute SM 169
University of Toledo
Toledo, OH 43606

Phone: 419-537-2472
FAX: 419-537-7719

Program Administration

Program Coordinator(s): Rick Van Landingham
Program Affiliate(s):
Year Founded: 1988 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 20
Federal: 0 Corporate: 0 Other: 80

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	1	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
■ Wetlands	1	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD	X	Debris Cleanup	S
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	M

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Citizens Lake Improvement Program (CLIP)

CLIP - ODNR Division of Parks and Recreation
1952 Belcher Dr.
Columbus, OH 43224-1386

Phone: 614-265-6542
FAX: 614-261-8407

Program Administration

Program Coordinator(s): Donna Meyers
Program Affiliate(s): Ohio Lake Management Society
Year Founded: 1990 Staff: 6.0 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ 20,000

Percent Funding By Source

State: 0 Foundation: 33 Dues: 0
Federal: 33 Corporate: 0 Other: 34

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	200	103
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH		Chlorophyll	X
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Maumee Bay Watershed Project

Toledo Metro Area Council of Gov'ts.
123 Michigan St.
Toledo, OH 43624-1927

Phone: 419-241-9155
FAX: 419-241-9155

Program Administration

Program Coordinator(s): Linda J. Clark
Program Affiliate(s): GREEN (Global Rivers Env. Ed. Network)
Year Founded: 1989 Staff: 1.0 Active Volunteers: 65

Total Funding

Approx. Annual Budget: $ 36,000

Percent Funding By Source

State: 0 Foundation: 75 Dues: 10
Federal: 15 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	37	18
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	A	Pesticides	
pH	A	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	A	Macroinvertebrates	A
Chlorides		Fish	
Nitrogen	A	Coliform Bacteria	A
Phosphorus	A	Other Bacteria	
TSS/TDS	A	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	A	Rainfall	
Secchi Transparency	A	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	A	Watershed Mapping	
Salinity		Sediment Assessments	A
Metals	A	Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Maumee Bay Watershed Project is an educational component of the Lower Maumee River Remedial Action Plan, or Maumee RAP, administered by the Toledo Metropolitan Area Council of Governments. The program, modeled after the River Rouge Project in Detroit, is networking with a worldwide stream monitoring program known as GREEN - Global Rivers Environmental Education Network. The Maumee Bay program began with schools in the Swan Creek Watershed in 1989. In the 1990-91 school year, the program was expanded to include the schools in the Ottawa River watershed. Last year schools within the Maumee River mainstem and the Maumee Bay watershed were added. Participants include schools in three Ohio counties; nearly 30 public and private schools are represented.

The program involves teachers and their students in a two-week water quality monitoring program. Schools are supplied with water quality test kits, a field manual, curriculum guide, computer modems, and a videotape about their watershed. The videos, which were developed for each of the major watersheds, detail historical and present land uses and associated water quality problems. Teachers have also been able to take advantage of a unique water quality testing course at the University of Toledo, funded by an Ohio EPA Environmental Education grant.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

NEFCO Volunteer Lake Monitoring Program

NEFCO
969 Copley Rd.
Akron, OH 44320

Phone: 216-836-5731
FAX: 216-836-7703

Program Administration

Program Coordinator(s): Claude C. Custer, Jr.
Program Affiliate(s):
Year Founded: 1988 Staff: 1.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State:	50	Foundation:	0	Dues:	50
Federal:	0	Corporate:	0	Other:	0

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	40
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	M
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	X
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

NEFCO (Northeast Ohio Four County Regional Planning and Development Organization) started a monitoring program in 1988 and currently has 30 citizens monitoring 40 lakes in the four-county region. The volunteers measure temperature, transparency, and water depth and color, as well as noting wind direction and cloud cover. They also perform recreational suitability evaluations. The information is used for education, trend assessment, and Clean Lakes Program studies. The Federal Soil Conservation Service/Soil and Water Conservation District works with the monitoring program in order to collect baseline data on lakes to judge the effect of soil erosion control measures.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

O'Bannon Project

Loveland Green Belt Community Council
P.O. Box 94
Loveland, OH 45140

Phone: 513-683-7195
FAX:

Program Administration

Program Coordinator(s): David Miller
Program Affiliate(s): OKI Watershed Monitoring and Mapping Program
Year Founded: 1992 Staff: 0.0 Active Volunteers: 3

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	BM
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Ohio's Scenic River Stream Quality Monitoring Project

Ohio's Scenic Rivers Program
ODNR, 1889 Fountain Sq., Bldg. F
Columbus, OH 43224

Phone: 614-265-6460
FAX: 614-267-3096

Program Administration

Program Coordinator(s): Stuart Lewis
Program Affiliate(s):
Year Founded: 1982 Staff: 4.0 Active Volunteers: 4,100

Total Funding

Approx. Annual Budget: $ 6,500

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- □ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	90	18
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The Ohio Stream Quality Monitoring program provides a low-cost, simple procedure for determining stream quality by examining riffle-dwelling macroinvertebrates. Over 4,000 adults and children participate each year at 90 stations on the 18 rivers. Funding for the water quality monitoring comes from the Ohio Scenic Rivers Program budget.

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

OKI Watershed Monitoring and Mapping Program

OKI Regional Council of Governments
801-B West 8th St., Suite 400
Cincinnati, OH 45203-1607

Phone: 513-621-7060
FAX: 513-621-9325

Program Administration

Program Coordinator(s): Lorna Harrell
Program Affiliate(s):
Year Founded: 1991 Staff: 1.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 12,000

Percent Funding By Source

State:	70	Foundation:	0	Dues:	0
Federal:	0	Corporate:	0	Other:	30

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	16	8
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Ohio-Kentucky-Indiana Regional Council of Governments Watershed Monitoring and Mapping Project goals are threefold. The first goal is to increase public involvement in water quality issues through the formation of stream teams to monitor local watersheds. The second goal is to obtain stream data that can be used by the Ohio EPA to make nonpoint source designations. Finally the group hopes to map one of the monitored watersheds, showing the potential sources of point and nonpoint source pollution at a mapping scale of 1"= 2,000'. Stream Team volunteers will collect macroinvertebrate data from two or more stations in their watershed. Sampling should consistently occur at the same stations and should be performed four times from September to mid-June.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Olentangy River Valley Association

Olentangy River Valley Association
Box 411
Delaware, OH 43015

Phone: 614-369-5804
FAX:

Program Administration

Program Coordinator(s): Lauri Kanan
Program Affiliate(s):
Year Founded: 1989 Staff: 0.0 Active Volunteers: 18

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 40
Federal: 0 Corporate: 0 Other: 60

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

People Leading Environmental Action (PLEA)

Ed Eiskamp, Fairview High
4507 W 213
Fairview Park, OH 44126

Phone: 216-356-3500
FAX:

Program Administration

Program Coordinator(s): Ed Eiskamp
Program Affiliate(s): River Watch Network (VT)
Year Founded: 1989 Staff: 0.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 200

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness	BW	Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides	BW	Fish	
Nitrogen	BW	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS	BW	Birds/Wildlife	
BOD	BW	Debris Cleanup	X
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity	BW	Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Sierra Club Stream Monitoring Program

Sierra Club Stream Monitoring Program
1607 Delia Ave.
Akron, OH 44320

Phone: 216-864-6033
FAX:

Program Administration

Program Coordinator(s): Peg Bobel
Program Affiliate(s): ODNR Scenic River Stream Quality Monitoring Program
Year Founded: 1985 Staff: 0.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Sierra Club Stream Monitoring Program is a small monitoring group that is part of the Ohio's Scenic River Stream Quality Monitoring Program.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	M
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Trumbull Area Environmental Education Lab

TAMPEEL
601 Ellsworth - Bailey Rd.
Warren, OH 44481

Phone: 216-394-5247
FAX:

Program Administration

Program Coordinator(s): Norm Downing
Program Affiliate(s): Citizen Lake Improvement Program
Year Founded: 1973 Staff: 1.0 Active Volunteers: 0

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	1	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Waterway Sweep Program

Ohio Dept. Nat. Res.-Div. of Watercraft
1952 Belcher Drive
Columbus, OH 43224

Phone: 614-265-6615
FAX: 614-267-8883

Program Administration

Program Coordinator(s): Vicki Shuff
Program Affiliate(s):
Year Founded: 1984 Staff: 1.0 Active Volunteers: 6,000

Total Funding

Approx. Annual Budget: $ 40,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
■ Beaches	NA	
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Waterway Sweep Program is administered by the Ohio Department of Natural Resources Division of Watercraft. The program's activities include:

(1) Helping local governments, private industry, and/or volunteer groups coordinate cleanup efforts. The Division provides technical assistance and some needed materials and supplies (i.e., trash bags, patches, certificates, canoes). The Division encourages the local group to take the leadership role in event coordination, volunteer recruitment, sponsorship recruitment, media relations, education and awareness activities, etc.

(2) Administering the Adopt-A-Waterway Program. This program offers volunteer groups the opportunity to care for the waterway of their choice at their convenience. The volunteer group signs a contract with ODNR in which they promise to adopt two miles of waterway for a two-year period and conduct a minimum of two cleanups a year. In exchange, the Division provides technical assistance, trash bags, patches and certificates for all volunteers.

(3) Providing education and awareness materials for the Ohio boater.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Blue Thumb

Blue Thumb
4116 E. 15th St.
Tulsa, OK 74112-6198

Phone: 918-744-1595
FAX: 918-734-4174

Program Administration

Program Coordinator(s): Cheryl Cheadle & Sue Gray
Program Affiliate(s):
Year Founded: 1992 Staff: 2.0 Active Volunteers: 33

Total Funding

Approx. Annual Budget: $ 72,000

Percent Funding By Source

State: 40 Foundation: 0 Dues: 0
Federal: 60 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	4	4
■ River/Stream	5	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	M
Turbidity	M	Macroinvertebrates	A
Chlorides	M	Fish	A
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	A
BOD		Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	A
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	M
Metals		Site Inspections	W
Hydrocarbons		Habitat Assessments	M

Notes

This project is part of an EPA 319 grant: Tulsa Urban Water Quality Improvement Project. It is a cooperative project coordinated between two agencies: Tulsa County Conservation District and Tulsa County O.S.U. Cooperative Extension Service.

Blue Thumb volunteers receive 32 hours of training in aquatic ecology, chemistry, geology, and monitoring methods. In return, teams of volunteers agree to monitor selected sites once a month through the life of the grant (September 1995). Trained volunteers are certified Master Environmentalists, patterned after the Extension. Master Gardener Program.

Data collected are used by volunteers to teach neighborhood workshops on prevention of urban nonpoint source (NPS) pollution. Major emphasis is on lawn and garden product abuse and presentation of IPM alternatives that citizens can use.

Volunteers form neighborhood watchdog teams called Blue Thumb Brigades. Homeowners are told that any gardener can have a green thumb, but with NPS pollution prevention awareness they may have a blue thumb, too.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Creek Turnpike Wetlands

Dr. John Korstad, Dept. of Biology
Oral Roberts University
Tulsa, OK 74171

Phone: 918-495-6942
FAX: 918-495-6033

Program Administration

Program Coordinator(s): Dr. Ed Nelson & Dr. John Korstad
Program Affiliate(s): Oral Roberts University
Year Founded: 1992 Staff: 3.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 1,200

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
■ Wetlands	10	

Notes

The faculty and students of Oral Roberts University Biology Department have become stewards of the Creek Turnpike Wetlands as a result of an Agreement and Management Plan Contract between The Nature Conservancy and the Oklahoma Turnpike Authority. Undergraduate biology students will conduct extensive monitoring projects involving the wetlands.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	X
pH	M	Chlorophyll	A
Hardness		Aquatic Vegetation	M
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen	S	Coliform Bacteria	Q
Phosphorus	S	Other Bacteria	Q
TSS/TDS		Birds/Wildlife	M
BOD		Debris Cleanup	M
Dissolved Oxygen	Q	Rainfall	M
Secchi Transparency	Q	Photographic Surveys	M
Alkalinity	Q	Pipe Surveys	
Flow	M	Watershed Mapping	S
Salinity		Sediment Assessments	A
Metals	X	Site Inspections	M
Hydrocarbons		Habitat Assessments	M

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Oklahoma Water Watch

Oklahoma Water Resources Board
P.O. Box 150, 600 N. Harvey
Oklahoma City, OK 73110-0150

Phone: 405-231-2541
FAX: 405-231-2600

Program Administration

Program Coordinator(s): Keith Owen
Program Affiliate(s):
Year Founded: 1992 Staff: 2.0 Active Volunteers: 113

Total Funding

Approx. Annual Budget: $ 45,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 50 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Federal funding for the program comes from a Clean Water Act Section 314 grant.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	102	8
■ River/Stream	11	6
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	Q
Hardness		Aquatic Vegetation	M
Turbidity		Macroinvertebrates	BM
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	X
Phosphorus	M	Other Bacteria	X
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	BM

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Adopt-A-Stream

City of Salem
555 Liberty St. SE, Rm. 325
Salem, OR 97301

Phone: 503-588-6211
FAX: 503-588-6025

Program Administration

Program Coordinator(s): Tina K. Schweikert
Program Affiliate(s):
Year Founded: 1993 Staff: 1.5 Active Volunteers: 250

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 35 Corporate: 0 Other: 65

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	12
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity	Q	Macroinvertebrates	Q
Chlorides	Q	Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus	Q	Other Bacteria	
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	Q
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	Q
Alkalinity		Pipe Surveys	Q
Flow	Q	Watershed Mapping	Q
Salinity		Sediment Assessments	Q
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

Notes

The purpose of the Adopt-A-Stream project is to facilitate hands-on, integrative learning on an important issue: the condition of local streams and the impact of urbanization. At least six teachers and their students from elementary to high school will participate in "adopting" a section of stream. They will conduct biological and physical surveys of the stream reach, measure the stream flows, and conduct regular monitoring of several water quality parameters using field test kits. They will also perform a survey of local land use activities in order to correlate any changes in stream quality to changes in the watershed. The information will be recorded on data forms for use by city and state agencies.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Coastal Studies and Technology Center

Neal Maine
5107 Hwy. 101 N.
Seaside, OR 97138

Phone: 503-738-5591
FAX: 503-738-4021

Program Administration

Program Coordinator(s): Mike Brown / Neal Maine
Program Affiliate(s):
Year Founded: 1990 Staff: 2.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 30 Foundation: 30 Dues: 0
Federal: 10 Corporate: 0 Other: 30

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	NA	
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD	X	Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency	X	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity	X	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

Ninth-grade students serve as the research staff of a new nonprofit corporation for coastal studies in Seaside, Oregon. Called the Coastal Studies and Technology Center, the corporation has been established at Seaside High School. Students study natural resource, land use, and economic issues that reflect environmental needs in the community.

A nearby estuary is the site for many of the resource study projects. Examples of projects include:

- Participating in wetland studies as a part of a World Wetlands Watch Program involving 30 other schools around the world.
- Service as research assistants in a state-funded study of the impacts of trampling on intertidal areas.
- Monitoring created wetlands through cooperative study with EPA Wetlands Division.
- Participating in a two-year cooperative study with National Marine Fisheries Service on temporal and spatial distribution of juvenile fish in the lower Columbia River.

Support for the program is multifaceted. EPA made a $5,000 grant through the Environmental Education Act to hire students as research assistants, and the local school district pays the teachers' salaries. Local businesses, Portland State University, resource-based study groups, local, state, and federal agencies, industries, foundations, and a host of other organizations have made grants and have provided extensive technological support.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Company's Coming Beach Cleanup

Oregon Parks and Recreation Department
525 Trade St. SE
Salem, OR 97301

Phone: 503-378-5020
FAX: 503-378-6447

Program Administration

Program Coordinator(s): Peter D. Bond & Jack McGowan
Program Affiliate(s):
Year Founded: 1984 Staff: 10.0 Active Volunteers: 120

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 50 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	NA	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	S
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Company's Coming Beach Cleanup is one of two annual ocean beach cleanups in Oregon. They are both one-day events. The Company's Coming cleanup is held in the spring and hosted jointly by the Oregon Parks and Recreation Department and a private nonprofit group called SOLV (Stop Oregon Litter and Vandalism).

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Eugene IWLA Chapter, STEP

Steelhead Trout Enhancement Program
P.O. Box 891
Eugene, OR 97440

Phone: 503-344-4926
FAX:

Program Administration

Program Coordinator(s): Fred Dawson
Program Affiliate(s): OR Department of Fish & Wildlife STEP Program
Year Founded: 1983 Staff: 2.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 1,500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	W
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	W	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Jenny Creek Monitoring Program

Friends of the Greenspring
15097 Highway 66
Ashland, OR 97520

Phone: 503-488-5022
FAX:

Program Administration

Program Coordinator(s): Wendy Fullerton
Program Affiliate(s):
Year Founded: 1990 Staff: 1.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 400

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	10	6
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	BW

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lake Oswego High School - Student Watershed Research Project

Mike Goodrich
2500 SW Country Club Rd.
Lake Oswego, OR 97034

Phone: 503-635-0313
FAX:

Program Administration

Program Coordinator(s): Mike Goodrich
Program Affiliate(s): Student Watershed Research Project (SWRP)
Year Founded: 1992 Staff: 1.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Lake Oswego High School is one of the schools participating in the Student Watershed Research Project (SWRP) coordinated by Saturday Academy/Oregon Graduate Institute in Beaverton, Oregon.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides	X	Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	X
TSS/TDS		Birds/Wildlife	
BOD	X	Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	X
Alkalinity	X	Pipe Surveys	X
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Oregon Citizen Lake Watch Program

Oregon DEQ, Water Quality Div.
811 SW 6th Ave.
Portland, OR 97204

Phone: 503-229-5279
FAX: 503-229-6124

Program Administration

Program Coordinator(s): Andy Schaedel
Program Affiliate(s): Oregon DEQ, Water Quality Division
Year Founded: 1988 Staff: .5 Active Volunteers: 38

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 50 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	39	34
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	X
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Citizen Lake Watch Program was established in 1988 by the Oregon Department of Environmental Quality with funding from the Clean Lakes Program of the U.S. Environmental Protection Agency (CWA Section 314). The purpose of the program is to collect reliable water quality data, montitor long-term water quality trends, and increase public participation in water quality monitoring. In 1992, the Department of Environmental Quality contracted Portland State University to manage the program. Additionally, the university agreed to collect more detailed data on a number of coastal lakes and provide basic liminology seminars to volunteers and the general public. During 1992, 36 volunteers monitored 34 lakes located in four Oregon ecoregions: Blue Mountain, Cascade, Coast, and Willamette.

The basic monitoring program consists of weekly measurements of Secchi depth, surface pH, surface water temperature, and air temperature. In 1992, the program expanded on a trial basis at several lakes to include weekly dissolved oxygen testing at selected depths; monthly collection of surface phytoplankton samples; mapping of aquatic plant distribution; and collection, identification, and quantification of aquatic plants.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Streamwalk

City of Portland - Bureau of Env. Services
1120 SW 5th Ave., Room 400
Portland, OR 97204

Phone: 503-823-5326
FAX: 503-823-5228

Program Administration

Program Coordinator(s): Ivy Frances
Program Affiliate(s): Streamwalk, EPA Region 10 (Seattle)
Year Founded: 1991 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	12	3
□ Beaches		
□ Wells		
□ Wetlands		

Notes

Interested groups or citizens contact the Bureau of Environmental Services (BES) to receive a Streamwalk kit and training. The kit consists of a plastic file box containing a topographic map, clipboard, data forms, Streamwalk schedule, and list of phone numbers to call to report spills or other emergencies.

Volunteers record a number of visual observations, including vegetation, stream depth, and stream bed composition. Data forms are sent to the BES where they are recorded on a computerized database. The information is also sent to Region 10 EPA.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Student Watershed Research Project

Saturday Academy / OGI
19600 Von Neumann Drive
Beaverton, OR 97006

Phone: 503-690-1416
FAX: 503-690-1470

Program Administration

Program Coordinator(s): Lin Howell / Steve Andrews
Program Affiliate(s):
Year Founded: 1992 Staff: 8.0 Active Volunteers: 514

Total Funding

Approx. Annual Budget: $ 100,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	29	14
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 2

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	S
Turbidity		Macroinvertebrates	S
Chlorides	S	Fish	
Nitrogen	S	Coliform Bacteria	S
Phosphorus	S	Other Bacteria	
TSS/TDS		Birds/Wildlife	S
BOD	S	Debris Cleanup	
Dissolved Oxygen	S	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	S	Pipe Surveys	
Flow	S	Watershed Mapping	S
Salinity		Sediment Assessments	
Metals	S	Site Inspections	
Hydrocarbons		Habitat Assessments	S

Notes

The Student Watershed Research Project (SWRP) is a three-year project funded by the National Science Foundation and local cooperating agencies. Fourteen teachers and 500 students are presently monitoring 29 different stream sites. Sites are monitored a minimum of twice during the school year (fall and spring). Data are validated through a quality assurance program conducted through cooperating agency laboratories. By means of computer conferencing, students contribute their data to a regional database and discuss findings with cooperating scientists and students from other schools.

The goals of the program are to:

- Promote collaboration between science teachers and practicing scientists.
- Develop and pilot-test training and materials for watershed monitoring.
- Develop a computer telecommunications system for sharing between students, teachers, and cooperating scientists.
- Develop and maintain a database of student collected data.
- Develop and pilot-test a mechanism for dissemination of the program.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Well Water Nitrate Testing

DEQ: WQ: GW
811 SW Sixth Ave.
Portland, OR 97214

Phone: 503-239-6529
FAX: 503-229-6124

Program Administration

Program Coordinator(s): Barbara Sprott
Program Affiliate(s):
Year Founded: 1992 Staff: 1.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 30,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
■ Wells	NA	
☐ Wetlands		

Notes

To date, Oregon's volunteer nitrate testing program has involved over 1,300 well owners and close to 70 trained volunteers in a statewide effort to map nitrate levels in well water. Funded by an EPA 319 grant, and coordinated by the Department of Environmental Quality, the program just entered its second year of offering groundwater education events and free well water nitrate testing to citizens across the state. A GIS map of nitrate levels in Oregon will be produced and used in assessment of groundwater quality in the state and design of groundwater management and monitoring programs.

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	A	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Albany Township Environmental Advisory Council

Environmental Advisory Council
Box 140
Kempton, PA 19529

Phone: 215-756-6855
FAX:

Program Administration

Program Coordinator(s): Matt Polis
Program Affiliate(s): Alliance for Acid Rain Monitoring (ALLARM)
Year Founded: 1990 Staff: 4.0 Active Volunteers: 4

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	1	1
□ Beaches		
□ Wells		
■ Wetlands	2	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	W
BOD		Debris Cleanup	W
Dissolved Oxygen		Rainfall	D
Secchi Transparency		Photographic Surveys	W
Alkalinity	W	Pipe Surveys	A
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	W

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Alliance for Acid Rain Monitoring (ALLARM)

ALLARM, Environmental Studies Dept.
Dickinson College
Carlisle, PA 17013

Phone: 717-245-1565
FAX: 717-245-1899

Program Administration

Program Coordinator(s): Candie Wilderman
Program Affiliate(s):
Year Founded: 1987 Staff: 7.0 Active Volunteers: 400

Total Funding

Approx. Annual Budget: $ 15,000

Percent Funding By Source

State:	0	Foundation:	80	Dues:	10
Federal:	0	Corporate:	0	Other:	10

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	10	10
■ River/Stream	150	140
□ Beaches		
□ Wells		
□ Wetlands		

Notes

ALLARM advises many local environmental monitoring groups, which sample additional parameters.

A new program called "Toxic Fingerprints," in which volunteers collect samples for research in detection of organic compounds and metals, has recently started.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	W	Coliform Bacteria	
Phosphorus	W	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	W
Secchi Transparency		Photographic Surveys	
Alkalinity	W	Pipe Surveys	
Flow	W	Watershed Mapping	
Salinity		Sediment Assessments	
Metals	W	Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Atmospheric Deposition Study

Alliance for the Chesapeake Bay
225 Pine St.
Harrisburg, PA 17101

Phone: 717-236-8825
FAX: 717-236-9019

Program Administration

Program Coordinator(s): Scott Steffey
Program Affiliate(s): Alliance for the Chesapeake Bay
Year Founded: 1991 Staff: 1.0 Active Volunteers: 11

Total Funding

Approx. Annual Budget: $ 56,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	X
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides	X	Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Beginning in 1991, volunteer monitors have participated in an ongoing atmospheric deposition study in the Conodoguinet Creek basin. Rain samples from eight sites representing agricultural, forested, and urban land use areas are collected and analyzed at the U.S. Geological Survey laboratory for nitrogen and triazine herbicide concentrations. The study is a cooperative project between the Alliance for the Chesapeake Bay, PA Department of Environmental Resources, and the U.S. Geological Survey and is funded by the U.S. EPA through the Chesapeake Bay Program.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Brodhead Watershed Association Streamwatch

BWA Streamwatch Program
P.O. Box 339
Henryville, PA 18332

Phone: 717-839-1120
FAX:

Program Administration

Program Coordinator(s): Jill Shoesmith
Program Affiliate(s):
Year Founded: 1991 Staff: 0.0 Active Volunteers: 75

Total Funding

Approx. Annual Budget: $ 1,500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 75
Federal: 0 Corporate: 0 Other: 25

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	90	5
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	A
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	M
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

Notes

The Poconos is one of the fastest-growing regions in Pennsylvania. Along with unplanned and rapid growth come a host of problems impacting on the environment.

The Brodhead Watershed Association was formed in 1989 to address these issues. A watershed approach brings together the environmental, economic, political, and social factors embedded in resource protection.

The Association's Streamwatch Program began back in July of 1991. Our goals are: to educate and involve interested residents in local water quality issues; to develop a baseline of information; and to continue monitoring the current status of the Brodhead, Paradise, Pocono, Marshalls, and McMichaels creeks and their tributaries.

The program currently has 75 volunteers monitoring over 90 sites on a monthly basis. Our parameters consist of water temperature, turbidity, and pH in addition to visual observations. We are in the process now of expanding into another aspect of monitoring which focuses on the presence and quantity of insect life in the stream (using EPA's Rapid Bioassesssment Protocol I).

Through BWA's Streamwatch Program citizens are finding that individual efforts can and do make a difference.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Bucks County Audubon - Wetlands Watch

Nancy Jones, Bucks County Audubon Society
6324 Upper York Rd.
New Hope, PA 18938

Phone: 215-297-8266
FAX: 215-297-0685

Program Administration

Program Coordinator(s): Nancy Jones
Program Affiliate(s): Bucks County Conservancy
Year Founded: 1989 Staff: 0.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 200

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

The Bucks County Audubon Society - Wetlands Watch program is designed to protect Bucks County's wetlands from draining, filling, and destruction. Volunteers are trained in wetland identification and in Wetlands Watch procedures for reporting concerns to coordinators. They also learn about current state and federal regulations and are encouraged to become involved in protection efforts at the local government level.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
□ Beaches		
□ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Bushkill Streamwatchers

The Bushkill Stream Conservancy
P.O. Box 637
Easton, PA 18042

Phone: 215-759-7616
FAX:

Program Administration

Program Coordinator(s): Thomas Bruggink, Angela Lambert & Estelle Ruppert
Program Affiliate(s): The Bushkill Stream Conserv.; Jacobsburg Env. Ed. Ctr.
Year Founded: 1991 Staff: 3.0 Active Volunteers: 11

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 75 Foundation: 25 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	15	3
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	A
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

Notes

The Bushkill Streamwatchers Program is designed to allow citizens to "adopt" a portion of a local stream and monitor it for physical and chemical parameters based on the needs of that local stream and its watershed. If properly trained and permitted, a participant may also monitor biological parameters in addition to the standard physical and chemical parameters.

A minimum of monthly monitoring of assigned stations is required, along with corresponding monthly reports. More frequent monitoring is encouraged.

Jacobsburg Environmental Education Center is responsible for:

- Providing the equipment, training, and technical support necessary for program implementation.
- Collecting and compiling monitoring data for participant and network use.
- Developing and conducting workshops and seminars addressing specific water quality topics and issues for participants.
- Producing an annual report/newsletter for distribution to participants.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Codorus Monitoring Network

Codorus Monitoring Network
RD 4 Box 4624
Spring Grove, PA 17362

Phone: 717-225-3769
FAX:

Program Administration

Program Coordinator(s): John Klunk
Program Affiliate(s): ALLARM - Dickinson College
Year Founded: 1991 Staff: 0.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	7	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The Codorus Monitoring Network tests weekly at seven sites in the 278-square-mile drainage area. Test parameters are temperature, dissolved oxygen, nitrate, pH, alkalinity, and color. Macroinvertebrate surveys are done at the seven sites in April, July, and October.

Alkalinity and pH data are furnished to the Alliance for Acid Rain Monitoring (ALLARM) at Dickinson College in Carlisle, PA. Other activities include trash cleanups and investigation of NPDES permits of industrial and municipal dischargers. Funding for the program comes from members and other concerned contributers.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Conestoga River Monitoring Program

Alliance for the Chesapeake Bay, Inc.
225 Pine St.
Harrisburg, PA 17101

Phone: 717-236-8825
FAX: 717-236-9019

Program Administration

Program Coordinator(s): Scott Steffey
Program Affiliate(s): Alliance for the Chesapeake Bay, Inc.
Year Founded: 1986 Staff: 1.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	W	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Four sites on the Conestoga River are monitored weekly for air and surface water temperature, turbidity, dissolved oxygen, and nitrate-nitrogen, as well as current weather conditions. The program has collected quality-assured data for long-term tracking of changes in water quality since October of 1986 and is part of the Chesapeake Bay Citizens Monitoring Program's computerized database.

This program is funded by a grant from the U.S. EPA.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Cooperative Adopt-a-Stream Program

Pennsylvania Fish and Boat Commission
450 Robinson Lane
Bellefonte, PA 16823

Phone: 814-359-5185
FAX: 814-359-5153

Program Administration

Program Coordinator(s): David F. Houser
Program Affiliate(s):
Year Founded: 1972 Staff: 6.0 Active Volunteers: 1,850

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Data collected by the Adopt-a-Stream Program are also used by state, local, and private conservation groups for fishery habitat improvement and stream corridor management.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	40	5
■ River/Stream	145	40
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	A
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Crum/Ridley Stream Monitoring

US EPA 3WM42
841 Chestnut St.
Philadelphia, PA 19107

Phone: 215-597-4283
FAX: 215-597-8541

Program Administration

Program Coordinator(s): Frank Dowman
Program Affiliate(s):
Year Founded: 1990 Staff: 0.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	9	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness	M	Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	
Chlorides	M	Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	M	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Crum/Ridley Stream Monitoring Program is a group of volunteers who have been monitoring the surface waters of both the Crum Creek and Ridley Creek watersheds for more than two years. The group developed as a partnership between EPA and local citizen conservation groups in Delaware and Chester counties, including the Natural Lands Trust, Girl Scouts, Sierra Club, and local fishing and environmental organizations. The group includes Ph.D. biologists as well as high school teachers.

The group uses LaMotte monitoring kits to monitor water quality on many points along the Ridley and Crum Creeks, which drain into the Delaware River south of Philadelphia. Core sampling (performed at all sites) consists of dissolved oxygen, pH, temperature, and turbidity. At about 1/4 of the sites the volunteers also test for ammonia, alkalinity, carbon dioxide, chloride, hardness, nitrate, phosphate, and sulfide.

The members gather as a group on a quarterly basis to review their monitoring and to hear guest presentations on water quality, volunteerism, land use, and conservation practices.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Environmental Advisory Board

Environmental Advisory Board
New Hanover Township, 2943 N. Charlotte St.
Gilbertsville, PA 19525

Phone: 215-323-1008
FAX: 215-323-5173

Program Administration

Program Coordinator(s): New Hanover Township
Program Affiliate(s):
Year Founded: 1989 Staff: 0.0 Active Volunteers: 7

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Water quality testing is done on demand. There are no regular stations.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Friends of the Wissahickon, Water Quality Committee

Friends of the Wissahickon
15 W Mt. Airy
Philadelphia, PA 19119

Phone: 215-247-5338
FAX: 215-299-1028

Program Administration

Program Coordinator(s): Rob Goldberg
Program Affiliate(s): Izaak Walton League of America
Year Founded: 1993 Staff: 0.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The group is using test kits from the Izaak Walton League of America's Save Our Streams program to gather benthic macroinvertebrate data. They are also working to get the city of Philadelphia to fix all sewage cross-connections to storm sewers.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	11	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Group Against Smog and Pollution (GASP)

Group Against Smog and Pollution
P.O. Box 8165
Pittsburgh, PA 18206

Phone: 412-441-6650
FAX: 412-661-9984

Program Administration

Program Coordinator(s): Marie Kocoshis
Program Affiliate(s):
Year Founded: 1969 Staff: 0.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

This is a program of air quality monitoring conducted by the Bureau of Air Pollution Control and the Allegheny County Health Department. They handle all the monitoring for the county, as required by a county ordinance. The Group Against Smog and Pollution watchdogs this monitoring via reports and a citizens advisory committee.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season:

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lackawanna River Watch

Lackawanna River Watch
P.O. Box 368
Scranton, PA 18510

Phone: 717-347-6311
FAX:

Program Administration

Program Coordinator(s): Mary Ruane
Program Affiliate(s): River Watch Network (Vermont)
Year Founded: 1990 Staff: 1.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 25,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	3
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	BW	Watershed Mapping	
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Lackawanna River Corridor Association's River Watch Program, begun in 1990, monitors the water of the Lackawanna River. The Lackawanna is a 39.5-mile tributary to the Susquehanna and has suffered enormously the effect of pollution, including acid mine drainage entering the river, sewage, urbanization, illegal dumping, and point source discharges.

The past few years have brought about increased awareness in the community about the river's problems. Improvements have taken place, and the River Watch Monitoring Program has grown and intensified. Approximately 50 community volunteers monitor 8 stations for dissolved oxygen, pH, temperature, and benthic macroinvertebrates. Recently, with the aid of an EPA appropriation, Lackawanna River Watch purchased a Hach PR700 Colorimeter and hired a River Watch coordinator.

Lackawanna River Watch will continue to grow and expand, involving students and all citizens in creating awareness of the Lackawanna River.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lake Sheridan Tarn Watch

Lake Sheridan Cottagers Ass'n.
P.O. Box 61
Factoryville, PA 18419

Phone: 717-945-3312
FAX:

Program Administration

Program Coordinator(s): Joseph R. Buckwalter
Program Affiliate(s):
Year Founded: 1991 Staff: 1.0 Active Volunteers: 1

Total Funding

Approx. Annual Budget: $ 200

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	2	1
■ River/Stream	3	3
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	M	Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Little Schuylkill Conservation Club

Little Schuylkill Conservation Club
433 Hazle St.
Tamaqua, PA 18252-1246

Phone: 717-668-1163
FAX:

Program Administration

Program Coordinator(s): Ray Ripko
Program Affiliate(s):
Year Founded: 1976 Staff: 4.0 Active Volunteers: 4

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State:	0	Foundation:	0	Dues:	20
Federal:	0	Corporate:	0	Other:	80

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- □ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- □ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	
■ River/Stream	NA	3
□ Beaches		
□ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness	A	Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	A
Dissolved Oxygen	BW	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity	M	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lower Merion-Narbeth Watershed Association

Lower Merion-Narbeth Watershed Association
St. Christopher's Church, Righters Mill Rd.
Gladwyne, PA 19035

Phone: 215-896-0191
FAX:

Program Administration

Program Coordinator(s): Gari Weilbacher
Program Affiliate(s): Stroud Water Res. Ctr. Volunteer Monitoring Program
Year Founded: 1993 Staff: 2.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- □ Problem ID
- □ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

This program is still in the development stage.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	1	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	A	Pesticides	
pH	A	Chlorophyll	
Hardness	A	Aquatic Vegetation	
Turbidity		Macroinvertebrates	A
Chlorides		Fish	A
Nitrogen	A	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	A	Rainfall	D
Secchi Transparency		Photographic Surveys	
Alkalinity	A	Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Martin Hills Watershed Association - Stream Monitoring

Martin Hills Watershed Association
385 Pencroft Drive South
Holtwood, PA 17532

Phone: 717-284-4458
FAX:

Program Administration

Program Coordinator(s): James Smith
Program Affiliate(s):
Year Founded: 1977 Staff: 0.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State:	0	Foundation:	0	Dues:	80
Federal:	0	Corporate:	0	Other:	20

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	6
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	BW	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	BW	Pipe Surveys	
Flow	BW	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Pennsylvania Bureau of State Parks Water Quality Monitoring

Pennsylvania Bureau of State Parks E E & I
P. O. Box 8551
Harrisburg, PA 17105-8551

Phone: 717-783-4356
FAX: 717-787-8817

Program Administration

Program Coordinator(s): Jean M. Devlin
Program Affiliate(s): Pennsylvania Bureau of State Parks
Year Founded: 1972 Staff: 21.0 Active Volunteers: 2,025

Total Funding

Approx. Annual Budget: $ 3,500

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	58	53
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness	Q	Aquatic Vegetation	
Turbidity	Q	Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen	Q	Coliform Bacteria	X
Phosphorus	Q	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	Q	Rainfall	X
Secchi Transparency		Photographic Surveys	X
Alkalinity	Q	Pipe Surveys	X
Flow	Q	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The PA Bureau of State Parks Water Quality Monitoring Program requires quarterly monitoring of physical, chemical, and biological parameters of a nearby stream or river. Before participating in the program, volunteers must undergo training provided by the Bureau. After each monitoring session, participants record and tabulate their data and submit the data to a state park facilitator. Participants in this program include high schools, colleges, and other interested groups or individuals.

The program also has an 800 number (800-63-PARKS).

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Pennsylvania Clean Water Fund / Adopt-A-Stream

York County Conservation District
118 Pleasant Acres Rd.
York, PA 17402

Phone: 717-771-9430
FAX: 717-755-5968

Program Administration

Program Coordinator(s): Lee Irwin
Program Affiliate(s): Izaak Walton League of America
Year Founded: 1990 Staff: 1.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 15,000

Percent Funding By Source

State: 90 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 10

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Habitat restoration projects of the Clean Water Fund include fish enrichment and stream bank stabilization. Data collected by this program are utilized by the Pennsylvania Fish Commission, Bureau of Land Management. At this time, water quality testing is not done.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season:

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Pennsylvania Trout

Pennsylvania Trout, Environmental Committee
320 Mueller Lab, Penn State University
University Park, PA 16802

Phone: 814-863-1154
FAX: 814-865-9131

Program Administration

Program Coordinator(s): E. D. Bellis
Program Affiliate(s): Trout Unlimited
Year Founded: 1963 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 2,800

Percent Funding By Source

State: 0 Foundation: 0 Dues: 50
Federal: 0 Corporate: 0 Other: 50

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	X
pH	X	Chlorophyll	X
Hardness	X	Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides	X	Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD	X	Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency	X	Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity	X	Sediment Assessments	
Metals	X	Site Inspections	X
Hydrocarbons	X	Habitat Assessments	X

Notes

Pennsylvania Trout represents the 54 chapters of Trout Unlimited in Pennsylvania, with a total membership of more than 6,000. Many of the chapters are involved in water quality monitoring.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Pennsylvania Zebra Mussel Network

PA Dept. of Environmental Resources
Box 2063
Harrisburg, PA 17105

Phone: 717-787-9633
FAX: 717-782-2802

Program Administration

Program Coordinator(s): Richard Shertzer
Program Affiliate(s):
Year Founded: 1992 Staff: .5 Active Volunteers: 150

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	108	80
■ River/Stream	89	14
☐ Beaches		
☐ Wells		
☐ Wetlands		

Notes

This program is designed to provide early warning on the spread of existing zebra mussel populations and to describe the seasonal population dynamics of these mussels. Sampling is done twice a month by water users throughout Pennsylvania. Information is reported to the Pennsylvania DER Bureau of Water Quality Management, which functions as a database manager and clearinghouse in coordination with New York, New Jersey, and Delaware Sea Grant programs.

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

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NA - Not Available or Not Applicable √ - Applicable, but number not given

Pennypack Watershed Association

Pennypack Watershed Association
2955 Edge Hill Road
Huntington Valley, PA 19006-5099

Phone: 215-657-0830
FAX: 215-657-1679

Program Administration

Program Coordinator(s): David E. Rider
Program Affiliate(s):
Year Founded: 1970 Staff: 2.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 50 Dues: 40
Federal: 0 Corporate: 0 Other: 10

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- □ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	24	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	Q	Coliform Bacteria	
Phosphorus	Q	Other Bacteria	
TSS/TDS	Q	Birds/Wildlife	
BOD	Q	Debris Cleanup	
Dissolved Oxygen	Q	Rainfall	D
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Piedmont Streamwatchers Coalition

Piedmont Streamwatchers
P.O. Box 55
Schwenksville, PA 19473

Phone: 215-287-9383
FAX:

Program Administration

Program Coordinator(s): Kerry Lenhardt/George Christian
Program Affiliate(s):
Year Founded: 1991 Staff: 0.0 Active Volunteers: 18

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	12	4
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	Q	Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	Q	Watershed Mapping	
Salinity		Sediment Assessments	A
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

Notes

The Piedmont Streamwatchers Coalition originated in the fall of 1991 as a joint effort of the Perkiomen Valley Watershed Association (PVWA) and the Unami Audubon Society (UAS). The objective of this organization is to provide appropriate authorities with early warning of degradation of stream quality within the Perkiomen Creek watershed. To accomplish this objective, selected sites within the watershed are monitored on a regular basis by a group of volunteers recruited from the membership of PVWA and UAS, as well as other environmental groups, local schools, and the general public. The group currently monitors six sites in the Perkiomen Valley Watershed—one on Perkiomen Creek, one on Swamp Creek, and four on Unami Creek. Equipment was purchased with funds provided by the Perkiomen Creek Watershed Improvement Corporation.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Pine Creek Headwaters Protection Group

Pine Creek Headwaters Protection Group
P.O. Box 445
Wellsboro, PA 16901

Phone: 717-724-5097
FAX:.

Program Administration

Program Coordinator(s): Jody Bellows
Program Affiliate(s):
Year Founded: 1990 Staff: 0.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 0 Foundation: 50 Dues: 50
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	3	NA
■ River/Stream	60	15
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	A
Chlorides	Q	Fish	
Nitrogen	Q	Coliform Bacteria	
Phosphorus	Q	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	W	Pipe Surveys	
Flow	Q	Watershed Mapping	
Salinity		Sediment Assessments	
Metals	Q	Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Save Our Wetlands Campaign

National Audubon Soc., Mid-Atlantic Reg. Office
1104 Fernwood Ave. Suite 300
Camp Hill, PA 17011

Phone: 717-763-4985
FAX: 717-763-4981

Program Administration

Program Coordinator(s): Marci Mowery
Program Affiliate(s): National Audubon Society
Year Founded: 1992 Staff: 1.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 52,000

Percent Funding By Source

State: 20 Foundation: 0 Dues: 20
Federal: 40 Corporate: 0 Other: 20

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Save Our Wetlands Campaign is a three-year project funded through a variety of sources - grants, direct mail appeals, fund raising activities, etc. It encompasses a wide array of activities including public education, review of 404 permits, and legislative initiatives. The volunteer monitoring program is still in the planning stages so some details are unavailable.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Sewickley Creek Watershed Association

Sewickley Creek Watershed Association
17 South Sixth Street
Youngwood, PA 15697

Phone: 412-925-2929
FAX:

Program Administration

Program Coordinator(s): Dale Wiseman
Program Affiliate(s):
Year Founded: 1990 Staff: 0.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 50

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	7	7
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals	M	Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

STAND

STAND
5556 Stump Road
Pipersville, PA 18947

Phone: 215-766-8668
FAX: 215-340-9494

Program Administration

Program Coordinator(s): Richard H. McNutt
Program Affiliate(s): Watershed Assoc. of the Delaware River
Year Founded: 1986 Staff: 0.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

STAND is a political committee. They monitor water quality on an as-requested basis, when it is needed to resolve an issue.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Stream Greenway Preservation Program

Berks County Conservancy
960 Old Mill Road
Wyomissing, PA 19610

Phone: 215-372-4992
FAX: 215-376-9464

Program Administration

Program Coordinator(s): Joseph E. Hoffman
Program Affiliate(s):
Year Founded: 1988 Staff: 6.0 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ 22,500

Percent Funding By Source

State: 0 Foundation: 50 Dues: 10
Federal: 0 Corporate: 20 Other: 20

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	3	3
■ River/Stream	45	6
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides	X	Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency	X	Photographic Surveys	X
Alkalinity	X	Pipe Surveys	X
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Stream Monitoring - Susquehanna Chapter, Trout Unlimited

Susquehanna Chapter, TU c/o Richard Huggins
346 High Street
Williamsport, PA 17701-3202

Phone: 717-323-4367
FAX:

Program Administration

Program Coordinator(s): Richard W. Huggins
Program Affiliate(s): Trout Unlimited
Year Founded: 1977 Staff: 0.0 Active Volunteers: 3

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Members of the Susquehanna Chapter of Trout Unlimited have been monitoring the pH of streams in the Lycoming Creek Valley for several years. Information collected by the group has been used to impose restrictions on development on the streams.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	11	7
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	
Chlorides		Fish	M
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	M
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Stroud Water Research Center

Stroud Water Research Center
512 Spencer Rd.
Avondale, PA 19311

Phone: 215-268-2153
FAX: 215-268-0490

Program Administration

Program Coordinator(s): Ann Faulds
Program Affiliate(s): White Clay and Lower Merion-Narbeth Water Authorities
Year Founded: 1991 Staff: 1.0 Active Volunteers: 14

Total Funding

Approx. Annual Budget: $ 6,500

Percent Funding By Source

State: 0 Foundation: 85 Dues: 15
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	22	2
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The Stroud Water Research Center is a field freshwater research laboratory of the Academy of Natural Sciences of Philadelphia. Staff from the center are involved in training and supervision of two local volunteer monitoring groups (the White Clay Watershed Association and the Lower Merion-Narbeth Watershed Association). Volunteers are trained in quantitative sampling and morphotyping identification of stream macroinvertebrates.

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	A	Pesticides	A
pH	A	Chlorophyll	
Hardness	A	Aquatic Vegetation	
Turbidity		Macroinvertebrates	A
Chlorides		Fish	A
Nitrogen	A	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	A	Rainfall	D
Secchi Transparency		Photographic Surveys	
Alkalinity	A	Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Telephone Pioneers Creekwatchers

Bell of PA Telephone Pioneers
1233 Linden St.
Allentown, PA 18102

Phone: 215-820-4675
FAX: 215-437-6262

Program Administration

Program Coordinator(s): Leni Herr & Greg Jarrett
Program Affiliate(s):
Year Founded: 1989 Staff: 2.0 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 100 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	36	12
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity	Q	Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	Q
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	Q	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Water Quality Monitoring Program

Pocono Environmental Ed. Ctr.
R.D. 2, Box 1010
Dingmans Ferry, PA 18328

Phone: 717-828-2319
FAX: 717-828-9695

Program Administration

Program Coordinator(s): Rance Harmon
Program Affiliate(s):
Year Founded: 1990 Staff: 2.0 Active Volunteers: 0

Total Funding

Approx. Annual Budget: $ 4,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	3
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Using funds made available by the American Clean Waters Project, the Pocono Environmental Education Center has established a water quality monitoring program for the Middle Delaware Scenic and Recreation River. The program links education to a real-world environmental issue—clean and healthy streams, lakes, and rivers.

Participants evaluate the water quality of a Delaware River site or tributary by conducting a series of physical, chemical, and biological tests; analyzing the results; and preparing a water quality "report card" for the site. Results are entered into a database for sharing with local agencies. Information gathered by this program is also shared with the National Park Service, the Izaak Walton League, and the Alliance for Acid Rain Monitoring (ALLARM).

A typical research cycle can be completed in two full days and includes classroom, laboratory, and field work. Group size is limited to 14 participants.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

White Clay Watershed Association

White Clay Watershed Association
107 Crestwood Rd.
Landenberg, PA 19350

Phone: 215-274-8023
FAX:

Program Administration

Program Coordinator(s): Richard Phillips
Program Affiliate(s): Stroud Water Research Center
Year Founded: 1991 Staff: 1.0 Active Volunteers: 14

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	11	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	A	Pesticides	A
pH	A	Chlorophyll	
Hardness	A	Aquatic Vegetation	
Turbidity		Macroinvertebrates	A
Chlorides		Fish	A
Nitrogen	A	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	A	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	A	Pipe Surveys	
Flow	A	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

RHODE ISLAND

BayWatchers

Save The Bay
434 Smith St.
Providence, RI 02908

Phone: 401-272-3540
FAX: 401-273-7153

Program Administration

Program Coordinator(s): Wenley Ferguson
Program Affiliate(s):
Year Founded: 1993 Staff: 1.5 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 92,000

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	25	
□ Lake/Pond/Reservoir		
□ River/Stream		
■ Beaches	25	
□ Wells		
□ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	A
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	A
BOD		Debris Cleanup	A
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	A
Flow		Watershed Mapping	
Salinity	M	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Save the Bay is beginning two new programs to monitor the water quality and shoreline activities of Narragansett Bay: BayWatchers citizens monitoring program and a Narragansett BayKeeper. BayWatchers will sample 25 stations monthly for temperature, dissolved oxygen, clarity, salinity, and fecal coliforms. Other volunteer monitoring activities will include visual shoreline surveys to identify pollution sources, bird surveys, marine mammal surveys, coastal use surveys, and submerged aquatic vegetation surveys. The goal of the monitoring program is to increase the public's appreciation of the bay and to promote environmental stewardship among the volunteer monitors as well as to increase the understanding of the condition of Narragansett Bay.

The BayKeeper will be Save the Bay's eyes and ears on the waters of Narragansett Bay. A boat and crew will patrol the bay year-round and respond to citizens' reports of pollution and activities harmful to the bay. The BayKeeper will document pollution, observe shoreline activities, and assist the citizen monitoring program by taking dissolved oxygen samples in the open waters of the bay.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Mt. Pleasant High School Monitoring Program

Mt. Pleasant High School Monitoring Program
434 Mt. Pleasant Ave.
Providence, RI 02908

Phone: 401-456-9183
FAX:

Program Administration

Program Coordinator(s): Judy Paolucci
Program Affiliate(s): Whole Rivers Program
Year Founded: 1991 Staff: 1.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 100 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	1	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 2

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness	S	Aquatic Vegetation	S
Turbidity		Macroinvertebrates	S
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	S	Debris Cleanup	
Dissolved Oxygen	S	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	S	Pipe Surveys	
Flow	S	Watershed Mapping	S
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	S

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Pokanoket Watershed Alliance

Pokanoket Watershed Alliance
1 Craig Dr.
Barrington, RI 02806

Phone: 401-245-3036
FAX:

Program Administration

Program Coordinator(s): Carolyn Faulhaber
Program Affiliate(s):
Year Founded: 1992 Staff: 0.0 Active Volunteers: 35

Total Funding

Approx. Annual Budget: $ 2,500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 50
Federal: 0 Corporate: 50 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Pokanoket Watershed Alliance monitors water quality at 14 sites on the Pokanoket River and 2 sites on Hundred Acre Cove. Major funding for the monitoring comes from Citizens' Bank River Rescue program, Barrington Land Trust, and Wheeler School Whole Rivers Program.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	14	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	A
Flow		Watershed Mapping	
Salinity	M	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Prudence Conservancy Citizens Monitoring Program

Prudence Conservancy
422 Narragansett Ave.
Prudence Island, RI 02872

Phone: 401-683-5061
FAX: 401-683-5061

Program Administration

Program Coordinator(s): Allan D. Beck
Program Affiliate(s): Save the Bay's Narragansett BayWatchers Program
Year Founded: 1988 Staff: 1.0 Active Volunteers: 8

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- □ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	2	
□ Lake/Pond/Reservoir		
■ River/Stream	9	2
□ Beaches		
■ Wells	2	
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	M
Dissolved Oxygen	W	Rainfall	W
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Prudence Conservancy Citizens Monitoring Program was initiated in October 1988 to maintain equipment, collect data, and take samples. This was part of a University of Rhode Island atmospheric research project to quantify the atmospheric deposition and input of nitrogen and its compounds into Narragansett Bay.

In 1991, another scientist began research to determine levels of organic contaminants in wet deposition. Prudence Conservancy volunteers support this study and continue to collect precipitation samples for nitrogen and pH analyses.

The volunteers also conducted stream flow gauging and water table observations to provide data for a project to determine the available groundwater for use as the local drinking water source.

Marine water quality monitoring started in September 1991 with one station in Narragansett Bay adjacent to the weather station at the Narragansett Bay Estuarine Reserve, also the site of the atmospheric research projects. In 1993 four additional stations in the vicinity of Prudence Island will be added. This project is in support of the NBNERR long-term monitoring program and is intended to identify status and trends of water quality parameters.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Rhode Island Watershed Watch

Rhode Island Watershed Watch
210B Woodward Hall, U.R.I.
Kingston, RI 02881-0804

Phone: 401-792-2905
FAX: 401-792-4561

Program Administration

Program Coordinator(s): Linda Green
Program Affiliate(s):
Year Founded: 1988 Staff: 3.0 Active Volunteers: 200

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 6 Foundation: 0 Dues: 25
Federal: 50 Corporate: 0 Other: 19

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	46	45
■ River/Stream	26	5
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	Q	Chlorophyll	BW
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides	Q	Fish	
Nitrogen	Q	Coliform Bacteria	Q
Phosphorus	Q	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity	Q	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The University of Rhode Island's Watershed Watch Program is a statewide volunteer monitoring program that focuses on providing current information on water quality of surface water resources throughout Rhode Island, including lakes, ponds, reservoirs, rivers, and streams. The heart of the program consists of biweekly measurements taken by numerous trained volunteer monitors.

The program emphasizes watershed-scale monitoring because the water quality of a given water body is a reflection of the activities in the lands and waters that surround it and lie upstream. This program is intended to encourage communities and shoreline residents to understand the need to cooperatively manage and improve the water quality of all the water bodies within a watershed. In this way we can ensure that Rhode Island's bays, estuaries, and freshwater resources remain one of the state's great assets.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

River Rescue

River Rescue
URI Coastal Resources Center
Narragansett, RI 02882

Phone: 401-792-6224
FAX: 401-789-4670

Program Administration

Program Coordinator(s): Meg Kerr
Program Affiliate(s):
Year Founded: 1990 Staff: .5 Active Volunteers: 60

Total Funding

Approx. Annual Budget: $ 31,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 100 Other: 0

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- □ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	20	5
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness	M	Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	M	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow	M	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons	X	Habitat Assessments	

Notes

The River Rescue program is a cooperative partnership between Citizens Bank, the University of Rhode Island, and Rhode Island Sea Grant. Citizens Bank funds the program and provides promotional support, while URI and RI Sea Grant provide supplemental funding and technical expertise for the monitoring program.

Citizens Bank supports several additional projects under the River Rescue umbrella, including an annual bicycle ride along Providence rivers, a road race, and a story teller who tells stories about the rivers.

River Rescue volunteers can particpate in several projects, including one-day river cleanups and biological monitoring surveys, storm drain painting events, watershed mapping exercises, and water quality testing. During the first year, volunteers also participated as combined sewer overflow watchdogs.

Total petroleum hydrocarbon data were collected biweekly from most downstream stations in four rivers for the program's first year.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Salt Pond Watchers

Salt Pond Watchers
84 Donizetti Rd.
Westerly, RI 02891

Phone: 401-322-7104
FAX: 401-596-4749

Program Administration

Program Coordinator(s): Sue Nardone
Program Affiliate(s):
Year Founded: 1985 Staff: 3.0 Active Volunteers: 54

Total Funding

Approx. Annual Budget: $ 30,000

Percent Funding By Source

State: 50 Foundation: 30 Dues: 0
Federal: 10 Corporate: 0 Other: 10

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	26	
☐ Lake/Pond/Reservoir		
■ River/Stream	10	NA
☐ Beaches		
■ Wells	50	
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH		Chlorophyll	BW
Hardness		Aquatic Vegetation	M
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	BW
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	D
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Salt Pond Watchers are a group of volunteers concerned with the eroding environmental quality of the salt ponds along the southern coast of Rhode Island. The ponds are intensively used for summer recreational activities and also support important recreational and commercial fisheries for scallops, oysters, quahogs, and soft-shell clams.

The staff of Salt Pond Watchers includes a part-time director, a part-time editor and demographer, and a volunteer coordinator/trainer. Additional funding for the program comes from contributions from local fire districts and towns.

Data collected by the program have also been used to create policy in harbor management planning and to change inground septic delivery system construction standards.

Every five years volunteers conduct a shoreline survey, and test the quality of household drinking water wells.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Smithfield High School - Whole Rivers Project

Edward Hill
Smithfield High School
Esmond, RI 02917

Phone: 401-949-2050
FAX:

Program Administration

Program Coordinator(s): Edward Hill
Program Affiliate(s): Whole Rivers Project
Year Founded: 1991 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	2	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	
pH	BM	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BM	Rainfall	
Secchi Transparency		Photographic Surveys	Q
Alkalinity	BM	Pipe Surveys	BM
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	BM

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

U.C.A.P. Whole Rivers Program

U.C.A.P. Whole Rivers Program
26 Somerset St.
Providence, RI 02907

Phone: 401-272-0881
FAX:

Program Administration

Program Coordinator(s): James L. Snead
Program Affiliate(s): Whole Rivers Program
Year Founded: 1992 Staff: 2.0 Active Volunteers: 115

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 100 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The U.C.A.P. Whole Rivers Program utilizes scientific methods and procedures to measure and evaluate water quality on the Mashasuch and West Rivers. The program allows middle and high school students to work on real science out in the field and also in the lab.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	8	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	S
Turbidity	S	Macroinvertebrates	S
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	S	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	S	Pipe Surveys	S
Flow	S	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	S

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Whole Rivers Schools Program

c/o The Wheeler School
216 Hope St.
Providence, RI 02906

Phone: 401-421-8100
FAX: 401-751-7674

Program Administration

Program Coordinator(s): Rob Brown
Program Affiliate(s):
Year Founded: 1991 Staff: 12.0 Active Volunteers: 500

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Notes

Funding for the Whole Rivers Program comes from grants from NSTA-Toyota and Amway.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	9	9
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	A	Pesticides	
pH	A	Chlorophyll	
Hardness	A	Aquatic Vegetation	
Turbidity	A	Macroinvertebrates	X
Chlorides	A	Fish	
Nitrogen	W	Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	W
Dissolved Oxygen	A	Rainfall	W
Secchi Transparency		Photographic Surveys	W
Alkalinity	A	Pipe Surveys	W
Flow	A	Watershed Mapping	X
Salinity		Sediment Assessments	W
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	W

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Wood-Pawcatuck Watershed Association

Wood-Pawcatuck Watershed Association
P.O. Box 61
Hope Valley, RI 02832

Phone: 401-539-9017
FAX:

Program Administration

Program Coordinator(s): Lori Barber, Executive Director
Program Affiliate(s): Wood Pawcatuck Watershed Association
Year Founded: 1983 Staff: 1.5 Active Volunteers: 60

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 10 Foundation: 10 Dues: 60
Federal: 0 Corporate: 10 Other: 10

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Notes

There are three sections in the Watershed Monitoring Program: (1) Pond: ongoing for six years, through the University of Rhode Island; (2) River Keeper Program: ongoing for 5 years; visual surveys of the river; (3) Estuary Program: ongoing for one year, monitoring Little Narragansett Bay and the Pawcatuck River Estuary.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	10	
■ Lake/Pond/Reservoir	6	6
■ River/Stream	24	4
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 3

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	X
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Harborwatch

Harborwatch
P.O. Box 21655
Charleston, SC 29413

Phone: 803-577-2103
FAX: 803-577-2103

Program Administration

Program Coordinator(s): Sharon Robles
Program Affiliate(s):
Year Founded: 1988 Staff: 2.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 80,000

Percent Funding By Source

State: 10 Foundation: 15 Dues: 10
Federal: 40 Corporate: 20 Other: 5

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	X
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons	X	Habitat Assessments	

Notes

Citizen water quality monitoring is a major participatory activity of Harborwatch, Inc., a not-for-profit corporation whose purpose is to support management of South Carolina's estuaries for protection of natural and cultural resources, sustained economic benefit, and recreational opportunities. Membership in Harborwatch is open to individuals and groups. Recognizing the close relationship between human activity on land and the quality of estuarine environments, the Harborwatch program has become increasingly involved with community development and with promoting an approach to human activities that recognizes the interaction and dependence between these activities and other components of the environment. The overall approach of the program is to improve public understanding and involvement with environmentally sound development and resource management. Non-advocacy and emphasis on accurate, complete, and balanced information are hallmarks of the Harborwatch Program.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

South Dakota Citizen Lake Monitoring

South Dakota Citizen Lake Monitoring
P.O. Box 7041
Pierre, SD 57501

Phone: 605-224-8512
FAX: 605-224-7198

Program Administration

Program Coordinator(s): David Hauschild
Program Affiliate(s):
Year Founded: 1993 Staff: NA Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- □ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- □ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	NA
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Boone Lake Association - Water Watch

Boone Lake Association
P.O. Box 111
Piney Flats, TN 37686

Phone: 615-538-3797
FAX:

Program Administration

Program Coordinator(s): Fred Foy
Program Affiliate(s):
Year Founded: 1983 Staff: 9.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 4,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 90
Federal: 0 Corporate: 0 Other: 10

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	8	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	
Chlorides	M	Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus		Other Bacteria	M
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Boone Lake Association was formed in 1983 in response to the dumping of raw sewage into Boone Lake. The association led a successful campaign to get the municipality responsible for the discharge to remediate damage to the lake and improve their treatment facility. The association now acts as a watchdog group, monitoring five wastewater treatment facilities. The group makes all of its findings available to the public.

The association also sponsors debris cleanups and monitors various physical and biological parameters.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Farm School Environmental Monitoring Team

The Farm School Environmental Monitoring Team
129 The Farm
Summertown, TN 38483

Phone: 615-964-2571
FAX:

Program Administration

Program Coordinator(s): Cynthia Rohrbach
Program Affiliate(s): TVA Teacher-Student Water Quality Monitoring Ntwk.
Year Founded: 1990 Staff: 1.0 Active Volunteers: 7

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	2	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness	M	Aquatic Vegetation	BM
Turbidity	M	Macroinvertebrates	Q
Chlorides		Fish	S
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Save Our Buffalo River

Save Our Buffalo River
1328 Barnes Rd.
Nashville, TN 37013

Phone: 615-831-0567
FAX:

Program Administration

Program Coordinator(s): Steve Schultheis
Program Affiliate(s): Izaak Walton League
Year Founded: 1991 Staff: 0.0 Active Volunteers: 3

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	M
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	Q
Alkalinity		Pipe Surveys	
Flow	Q	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	Q
Hydrocarbons		Habitat Assessments	Q

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Tennessee Save Our Streams

Tennessee Save Our Streams
4021 Sunnybrook Drive
Nashville, TN 37205-3834

Phone: 615-665-2056
FAX:

Program Administration

Program Coordinator(s): Raymond C. Norris
Program Affiliate(s): Izaak Walton League SOS
Year Founded: 1990 Staff: 0.0 Active Volunteers: 200

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- □ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	188	80
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides	X	Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

Notes

The Tennessee Save Our Streams Program involves approximately 200 citizen volunteers in activities which contribute to the preservation or restoration of Tennessee's network of 57,000 miles of rivers and streams. Launched as a statewide program by the Izaak Walton League of America in 1990, Tennessee SOS coordinates and supports the stream monitoring and water quality education activities of approximately 70 school and community groups. It recruits and trains volunteer monitors, maintains a water quality database, promotes grassroots citizen activity, and provides water quality education for both adults and children.

Stream assessment data are provided to the Tennessee Valley Authority and the Tennessee Department of Environment and Conservation.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

TVA Citizen Monitoring Program

Tennessee Valley Authority
1101 Market Street, HB-2C-C
Chattanooga, TN 37402-2801

Phone: 615-751-7320
FAX: 615-751-7479

Program Administration

Program Coordinator(s): Henry Leckenby
Program Affiliate(s):
Year Founded: NA Staff: 3.0 Active Volunteers: 24

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- □ Local Government
- □ State Government
- □ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	10	4
■ River/Stream	6	2
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

TVA Teacher-Student Water Quality Monitoring Network

TVA - Environmental Education
Forestry Building, Ridgeway Rd.
Norris, TN 37828

Phone: 615-632-1639
FAX: 615-632-1612

Program Administration

Program Coordinator(s): A. Lyon, H. Leckenby, B. Benson
Program Affiliate(s):
Year Founded: 1986 Staff: 7.0 Active Volunteers: 150

Total Funding

Approx. Annual Budget: $ 100,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

The Tennessee Valley Authority's (TVA) Teacher/Student Water Quality Monitoring Network began in 1986 with a two-fold objective. The primary purpose of the network is to develop basic water quality data on small streams and lakes in the Tennessee Valley. Limited financial resources do not permit TVA personnel to monitor all of the water resources in the valley. Through their studies, teachers and students are able to develop baseline water quality data, discover subtle changes in water quality, and detect potential use impairments. Teachers and students become the "eyes and ears" in the field for water resource professionals. The other purpose of the Network is to incorporate water quality management concepts into secondary school curriculum and to instill a water quality ethic in students.

The Network is funded from appropriations from the U.S. Congress to the TVA's Water Resources and Ecological Monitoring Program.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	2	1
■ River/Stream	150	81
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides	X	Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity	X	Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Adopt-A-Wetland

Center for Coastal Studies, Texas A & M
6300 Ocean Drive
Corpus Christi, TX 78412

Phone: 512-994-9005
FAX: 512-994-8262

Program Administration

Program Coordinator(s): Nivra Kelley
Program Affiliate(s):
Year Founded: 1991 Staff: 2.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 60,000

Percent Funding By Source

State: 60 Foundation: 5 Dues: 0
Federal: 35 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
■ Lake/Pond/Reservoir	NA	4
□ River/Stream		
□ Beaches		
□ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	M
Turbidity	M	Macroinvertebrates	M
Chlorides		Fish	M
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	M
BOD		Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	M	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	M

Notes

The Adopt-A-Wetland Program (AAWP) is a second-year pilot effort based in Corpus Christi, Texas, which currently is recruiting volunteers from around the state to teach youth about the importance of wetland conservation.

The program is supported through a cooperative partnership between the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, Texas Parks and Wildlife Department, and the Center for Coastal Studies at Texas A & M University-Corpus Christi. Other programs, such as Texas Natural Resource Conservation Commission's Citizen's Monitoring and TPWD's Aquatic Wildlife Program, tie into the AAWP, thus providing a network effect.

Initial participants in the AAWP include school children and other youth groups, including 4-H, scouts, and boys and girls clubs.

The program emphasizes the ecological and economic importance of wetlands and utilizes a hands-on approach, including monitoring, site surveys, and classroom activities.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Arlington Texas Watch

City of Arlington, Health Dept.
P.O. Box 231
Arlington, TX 76010

Phone: 817-459-6767
FAX: 817-459-6772

Program Administration

Program Coordinator(s): Steve Rothwell
Program Affiliate(s): Texas Watch
Year Founded: 1991 Staff: 1.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	2	2
■ River/Stream	20	6
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	Q
pH	M	Chlorophyll	X
Hardness	Q	Aquatic Vegetation	M
Turbidity	M	Macroinvertebrates	X
Chlorides	Q	Fish	M
Nitrogen	M	Coliform Bacteria	Q
Phosphorus	Q	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	M
BOD	Q	Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency	M	Photographic Surveys	X
Alkalinity	Q	Pipe Surveys	A
Flow	M	Watershed Mapping	A
Salinity	Q	Sediment Assessments	X
Metals	Q	Site Inspections	M
Hydrocarbons	M	Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Brazos Basin Citizens Monitoring

Brazos River Authority
P.O. Box 7555
Waco, TX 76714-7555

Phone: 817-776-1441
FAX: 817-772-5780

Program Administration

Program Coordinator(s): Denis Qualls / Tom Conry
Program Affiliate(s):
Year Founded: 1990 Staff: 1.0 Active Volunteers: 230

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 30 Foundation: 0 Dues: 0
Federal: 0 Corporate: 3 Other: 67

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	4	1
■ River/Stream	60	27
□ Beaches		
□ Wells		
■ Wetlands	2	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	S
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency	M	Photographic Surveys	M
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	S

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

City of New Braunfels Parks and Recreation Department

City of New Braunfels Parks & Recreation
110 Golf Course Road
New Braunfels, TX 78130

Phone: 210-608-2160
FAX: 210-608-2162

Program Administration

Program Coordinator(s): David Whatley, Iris Neffendorf
Program Affiliate(s):
Year Founded: 1936 Staff: 5.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State:	√	Foundation:	0	Dues:	0
Federal:	√	Corporate:	0	Other:	0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	2
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The New Braunfels Parks and Recreation Department manages Comal Springs, an endangered natural spring. There are a variety of studies being done on some of the rare and endangered species that live in the springs. These studies are mostly being conducted by the Southwest Texas State University and U.S. Fish and Wildlife Service as well as the Texas Parks and Wildlife Service. The department offers educational programs throughout the year to youth groups, schools, and the general public.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	D
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

City of Sugar Land Community Monitoring

City of Sugar Land Community Monitoring
P.O. Box 110
Sugar Land, TX 77487-0110

Phone: 713-275-2770
FAX: 713-275-2771

Program Administration

Program Coordinator(s): Anna Dunbar
Program Affiliate(s): Texas Watch
Year Founded: 1992 Staff: 1.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 1 Other: 99

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	14	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS	W	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The City of Sugar Land has successfully planned and implemented a volunteer community monitoring program in the Upper Oyster Creek (Fort Bend County) area. The city's decision to start the program grew out of concerns about water quality in Oyster Creek, which has experienced almost 40 fish kills since 1969. The immediate cause of the fish kills has typically been determined to be low dissolved oxygen. The program involves citizens, local businesses, and state, local, and regional governmental entities. Successful implementation of the program is a result of up-front consensus-building at all levels, strong local citizen support, and sufficient financial and technical assistance from local businesses.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Colorado River Watch Network

Lower Colorado River Authority
P.O. Box 220
Austin, TX 78767

Phone: 800-776-5272
FAX: 512-473-4097

Program Administration

Program Coordinator(s): Jack Goodman
Program Affiliate(s): Texas Watch
Year Founded: 1988 Staff: 3.0 Active Volunteers: 500

Total Funding

Approx. Annual Budget: $ 165,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	2	2
■ River/Stream	50	20
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	
Chlorides	W	Fish	
Nitrogen	W	Coliform Bacteria	
Phosphorus	W	Other Bacteria	
TSS/TDS	W	Birds/Wildlife	
BOD	W	Debris Cleanup	
Dissolved Oxygen	W	Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The Colorado River Watch Network (CRWN) began in 1988 and now encompasses 49 monitoring sites along the lower Colorado River basin in Texas. Over 500 vounteers—citizens, teachers, and students—monitor weekly for nine chemical parameters. The goals of the program are: (1) to promote hands-on education about water quality and the environment; (2) to complement and assist the Lower Colorado River Authority's (LCRA) professional water quality monitoring efforts; (3) to promote water quality protection; and (4) to promote environmental stewardship through community outreach.

The LCRA supports the Network with several activities including workshops, training, student symposiums, quarterly data analysis and reports, a newsletter and an annual report. The majority of the program's funding comes from the LCRA. LCRA was recently awarded an EPA 319(b) grant to expand the Network. Activities to be undertaken include: (1) develop a biological monitoring component; (2) develop a computer bulletin board network; (3) evaluate several phosphate detergent bans initiated by CRWN; and (4) assist in efforts to establish monitoring sites in watersheds that affect the lower Colorado River basin.

CRWN won a 1992 EPA Region 6 Environmental Excellence Award in Education.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Flower Garden Banks National Marine Sanctuary

Flower Garden Banks NMS
1716 Briarcrest, Suite 702
Bryan, TX 77802

Phone: 409-847-9296
FAX: 409-845-7525

Program Administration

Program Coordinator(s): Dr. Stephen R. Gittings
Program Affiliate(s): National Oceanic and Atmospheric Admin. (NOAA)
Year Founded: 1992 Staff: 1.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	400	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	A
Turbidity		Macroinvertebrates	A
Chlorides		Fish	A
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	A
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	X	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

Notes

The Flower Garden Banks National Marine Sanctuary monitors two coral reef sites, 10,000 square meters each with 200 stations at each site. Volunteers are experienced scuba divers who conduct photographic surveys and collect samples. During the annual survey water temperature is measured every two hours. Additional parameters monitored annually include coral populations, cover, diversity, evenness, and growth rates. The information gathered is shared with the oil industry.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Friends of Friedrich Wilderness Park - Avian Census

Stewardship Services
168 Chevy Chase
San Antonio, TX 78209

Phone: 210-826-4698
FAX:

Program Administration

Program Coordinator(s): S. P. Rust
Program Affiliate(s): Texas Partners in Flight; U.S. FSW; Texas Audubon
Year Founded: 1986 Staff: 0.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 50

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

Notes

In 1985 a local chapter of the Audubon Society adopted the Friedrich Wilderness Park in San Antonio, Texas. In 1986 the group began a long-term monitoring program of the park's avifauna.

Trained volunteers census the bird life of the park four times per year.

The information has been used by the U.S. Fish and Wildlife Service to determine endangered species status and trends. The data will also be used by the Park for planning decisions, and by state and federal agencies to better understand urban impacts on native biodiversity.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Pecos River Watch

Pennzoil Sulphur Co: Analytical Lab
P.O. Box 1512
Pecos, TX 79772

Phone: 915-445-4961
FAX: 915-445-4225

Program Administration

Program Coordinator(s): Dave Buzan
Program Affiliate(s): Texas Watch
Year Founded: 1989 Staff: 5.0 Active Volunteers: 3

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	2	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness	W	Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides	W	Fish	
Nitrogen	W	Coliform Bacteria	
Phosphorus		Other Bacteria	X
TSS/TDS	W	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	W	Pipe Surveys	
Flow	W	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Rees Elementary School

Nancy Dobbs
16305 Kensley
Houston, TX 77082

Phone: 713-531-1444
FAX:

Program Administration

Program Coordinator(s): Nancy Dobbs
Program Affiliate(s):
Year Founded: 1991 Staff: 3.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Students at Rees Elementary School monitor two sites on a bayou. The data are provided to the Texas Natural Resource Conservation Commission.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	2	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	A
Chlorides		Fish	A
Nitrogen		Coliform Bacteria	W
Phosphorus		Other Bacteria	
TSS/TDS	W	Birds/Wildlife	W
BOD		Debris Cleanup	W
Dissolved Oxygen	W	Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	W	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Salado Creek Preservation Committee of the SHS

Salado Creek Preservation Committee
602 Brookhollow Circle
Salado, TX 76571

Phone: 817-947-5526
FAX: 817-947-8195

Program Administration

Program Coordinator(s): Karen Kinnison, Pat Merrill
Program Affiliate(s): Texas Watch
Year Founded: 1991 Staff: 0.0 Active Volunteers: 28

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	5	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	X
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Salado Creek Preservation Committee (SCPC) of the Salado Historical Society (SHS) was reactivated in March of 1991 in response to SHS concerns about creek pollution. The Texas Natural Resource Conservation Commission and the Brazos River Authority helped train 22 volunteers to monitor streams. Salado Creek is now monitored at five sites every month. To date, tests indicate very good water quality.

In addition to their stream monitoring efforts the SCPC has helped bring leaky underground storage tanks and leaking water pipes to the attention of the proper authorities, resulting in prompt action. As part of their public education effort, the SCPC visits local schools to educate and to recruit volunteers.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Save Our Salado

Save Our Salado
P.O. Box 691085
San Antonio, TX 78269

Phone: 210-698-0306
FAX: 210-698-0306

Program Administration

Program Coordinator(s): Sara W. Youngblood
Program Affiliate(s):
Year Founded: 1992 Staff: 0.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 80
Federal: 0 Corporate: 0 Other: 20

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	9	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	M
Turbidity		Macroinvertebrates	M
Chlorides		Fish	M
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS	M	Birds/Wildlife	M
BOD		Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	M
Hydrocarbons		Habitat Assessments	M

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Texas Adopt-A-Beach, Clean Rivers, and Lakeshore Cleanup

Texas General Land Office
1700 N. Congress Ave., Room 730
Austin, TX 78701-1495

Phone: 512-463-5285
FAX: 512-475-0680

Program Administration

Program Coordinator(s): Susan Ghertner
Program Affiliate(s):
Year Founded: 1987 Staff: 5.0 Active Volunteers: 30,000

Total Funding

Approx. Annual Budget: $ 245,000

Percent Funding By Source

State:	78	Foundation:	0	Dues:	0
Federal:	0	Corporate:	22	Other:	0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	35	35
■ River/Stream	10	3
■ Beaches	17	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	S
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Adopt-A-Beach, Clean Rivers, and Lakeshore Cleanup Programs are all-volunteer efforts initiated by the Texas General Land Office to involve civic organizations, private companies, schools, youth groups, and individuals in cleaning Texas beaches and waterways.

The objectives of the program are to raise public awareness of the problems of beach garbage in Texas; to educate citizens about the sources of marine debris and beach litter; to alleviate the problem of litter and garbage illegally dumped on public lands and on public waters across the state; and to generate public support for state, national, and international actions supporting these goals. These programs promote recycling to keep trash out of the environment.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Texas Watch Volunteer Environmental Monitoring

TNRCC, Community Support Programs
P.O. Box 13087
Austin, TX 78711-3087

Phone: 512-463-8206
FAX: 512-463-6648

Program Administration

Program Coordinator(s): Gayla Campbell
Program Affiliate(s): Texas Natural Resource Conservation Commission (TNRCC)
Year Founded: 1991 Staff: 11.0 Active Volunteers: 3,000

Total Funding

Approx. Annual Budget: $ 300,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 50 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	30	
■ Lake/Pond/Reservoir	30	15
■ River/Stream	230	57
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	M
Phosphorus		Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD		Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	M
Flow		Watershed Mapping	
Salinity	M	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Texas Watch is a program of the Texas Natural Resource Conservation Commission (TNRCC) that supports volunteer environmental monitoring. Currently, Texas Watch supports over 70 programs statewide with over 3,000 citizens actively involved in environmental monitoring. Of these groups nearly two-thirds are made up of science teachers and their students.

Texas Watch supports citizens in two key areas. Texas Watch helps volunteers collect environmental information needed by state agencies, other environmental organizations, and the public to make environmentally sound decisions. Texas Watch also helps volunteers improve communication about environmental resource issues.

Texas Watch activities include assisting participants in identifying specific monitoring needs, setting goals and designing environmental monitoring programs, training citizens in monitoring techniques, organizing meetings to discuss the data collected and associated issues, and providing quality assurance and retraining to ensure the data remains high quality.

Texas Watch is an integral part of Clean Texas 2000, the Texas Natural Resource Conservation Commission's initiative to encourage reduction of toxic waste, implementation of recycling programs, and creation of environmental protection partnerships between government, industry, municipalities, schools and citizens.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Valley Water Watch Project

Dana Bohne
954 E. Madison
Brownsville, TX 78520

Phone: 210-542-3437
FAX: 210-541-8941

Program Administration

Program Coordinator(s): Dana Bohne
Program Affiliate(s): Texas Watch
Year Founded: 1992 Staff: 1.0 Active Volunteers: 23

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 75 Other: 25

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	1	
□ Lake/Pond/Reservoir		
■ River/Stream	13	3
□ Beaches		
□ Wells		
■ Wetlands	1	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	X
BOD		Debris Cleanup	S
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency	M	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Valley Water Watch Project (VWWP) is the first year-round volunteer water monitoring program along the Rio Grande River in the state of Texas. The VWWP is affiliated with the Texas Natural Resource Conservation Commission's Texas Watch program. Training of volunteers was begun in the summer of 1992 and the first month of testing was November 1992. There has been great interest in the project. Currently 16 volunteers test 13 sites in and around Brownsville, Texas. These volunteers represent all age groups and a variety of backgrounds. The city of Brownsville provides the support staff. Funding for the test equipment has been provided by local businesses. The local school district and the University of Texas at Brownsville also provide support for the project.

The goals of the project are to establish a baseline database for the resacas (old Rio Grande meanders), the Lower Laguna Madre, and the Rio Grande; to provide advocacy for the entire Rio Grande watershed through education; to improve wildlife habitat and expand recreational opportunities; and to raise community-wide awareness of the natural heritage of Brownsville and the entire Rio Grande Valley.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Water Watchdogs

Water Watchdogs
P.O. Box 1088
Austin, TX 78767

Phone: 512-499-2956
FAX: 512-499-2846

Program Administration

Program Coordinator(s): Mike Lyday
Program Affiliate(s): Colorado River Watch Network
Year Founded: 1990 Staff: 1.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 0 Foundation: 50 Dues: 0
Federal: 0 Corporate: 0 Other: 50

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	M
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	M
Turbidity	M	Macroinvertebrates	M
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	M
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD	M	Debris Cleanup	X
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	
Metals	M	Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Water Watchdogs monitor the Town Lake watershed. Team leaders are recruited from science classes at Austin Community College. The program is closely affiliated with Colorado River Watch Network, and Town Lake monitoring data are sent to CRWN.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Acid Rain Monitoring Group

Concord High School
School Street
Concord, VT 05824

Phone: 802-695-2550
FAX:

Program Administration

Program Coordinator(s): Thomas S. Smith
Program Affiliate(s): Vermont Department of Natural Resources
Year Founded: 1988 Staff: 1.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 50

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

The Acid Rain monitoring group has one weather station where rainfall and the pH of the rainwater are logged daily. All funding for the group comes from the Concord High School Science Department.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH	D	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	D
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lake Region River Watch

Kevin Coffey
Lake Region Union High School
Orleans, VT 05860

Phone: 802-754-6521
FAX:

Program Administration

Program Coordinator(s): Kevin Coffey
Program Affiliate(s): River Watch Network
Year Founded: 1990 Staff: 0.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	8	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	M
Turbidity		Macroinvertebrates	M
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD		Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

A River Watch Network Chapter was started at Lake Region Union High School three years ago. Students in two general chemistry classes conduct water quality testing on two rivers in the Lake Memphremagog watershed. Lake Memphremagog is a 29-mile-long lake located mostly in Canada. The group tests the Black and the Barton rivers, two small rivers that run through agricultural land. Funding for this program is provided by the local school board.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Mad River Watch

Harwood Union High School
Box 790, Route 100
Moretown, VT 05660

Phone: 802-244-5186
FAX:

Program Administration

Program Coordinator(s): John Kerrigan
Program Affiliate(s): River Watch Network
Year Founded: 1985 Staff: 1.5 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	2	2
■ River/Stream	35	12
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness	X	Aquatic Vegetation	A
Turbidity	BW	Macroinvertebrates	A
Chlorides	X	Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	BW	Other Bacteria	BW
TSS/TDS	X	Birds/Wildlife	
BOD	X	Debris Cleanup	A
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity	X	Pipe Surveys	X
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Mad River Watch began in 1985. It is sponsored by the Friends of the Mad River. Organizational and technical assistance is provided by River Watch Network, Mountain Wastewater Treatment Company, and the Vermont Department of Environmental Conservation. John Kerrigan, a biology teacher at Harwood Union High School, discusses monitoring techniques, data collection, and other information in his biology and microbiology classes. He also coordinates the summer monitoring program.

Students are currently investigating the pros and cons of Sugarbush Ski Area's proposal to pump water from the Mad River for use in snow-making. In future terms the class may cooperate with other disciplines such as social studies, English, and computer science—to investigate this and other issues affecting the Mad River Valley watershed.

The summer program involves biweekly monitoring of 35 stations along the Mad River and its tributaries. Participants include interested citizens, Friends of the Mad River, employees of Sugarbush, students, and educators.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Milfoil Watchers Program

The Milfoil Watchers Program
103 S. Main St., Building 10-N
Waterbury, VT 05671-0408

Phone: 802-241-3777
FAX:

Program Administration

Program Coordinator(s): Ann Bove
Program Affiliate(s): Department of Environmental Conservation
Year Founded: 1987 Staff: 1.0 Active Volunteers: 150

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	52
□ River/Stream		
□ Beaches		
□ Wells		
■ Wetlands	NA	

Notes

The Milfoil Watchers Program is a statewide effort begun in 1987. Volunteers assist the Department of Environmental Conservation in conducting annual searches for the nuisance aquatic weed Eurasian watermilfoil. Over 150 trained watchers agree to monitor 52 lakes where milfoil populations have not yet become established. Volunteers are trained by the DEC in Eurasian watermilfoil identification and search methods. Early detection of Eurasian watermilfoil infestations by volunteers means an easier, less expensive eradication effort by the state.

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Mt. Mansfield River Watch

Mt. Mansfield River Watch
P.O. Box 31
Jericho, VT 05465

Phone: 802-899-5417
FAX:

Program Administration

Program Coordinator(s): Bill Butler
Program Affiliate(s): River Watch Network
Year Founded: 1989 Staff: 0.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	7
□ Beaches		
□ Wells		
■ Wetlands	NA	

Notes

Mt. Mansfield River Watch entered its third year having expanded from three to seven streams. The group is divided into "Tributary Organizations" based on members' affinity for a particular stream. Most have bioassay and streambank stabilization programs.

Members of the River Watch visit many high and junior high schools to promote macroinvertebrate study and streambank stabilization. Future plans include building a 150-foot-long watershed model in conjunction with a local science museum, and establishing nurseries for streambank stabilization plants at local schools.

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	A
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Passumpsic River Watch

PRW c/o Fairbanks Museum
Main Street
St. Johnsbury, VT 05819

Phone: 802-748-2570
FAX:

Program Administration

Program Coordinator(s): Alan Boye
Program Affiliate(s): River Watch Network
Year Founded: 1988 Staff: 0.0 Active Volunteers: 40

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	M
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	BW
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

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NA - Not Available or Not Applicable √ - Applicable, but number not given

River Watch Network

River Watch Network
153 State Street
Montpelier, VT 05602

Phone: 802-223-3840
FAX: 802-223-6227

Program Administration

Program Coordinator(s): Jack Byrne, Executive Director
Program Affiliate(s):
Year Founded: 1987 Staff: 7.0 Active Volunteers: 6,000

Total Funding

Approx. Annual Budget: $ 400,000

Percent Funding By Source

State:	2	Foundation:	45	Dues:	0
Federal:	3	Corporate:	5	Other:	45

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	20	4
■ River/Stream	NA	40
□ Beaches		
□ Wells		
□ Wetlands		

Notes

River Watch Network (RWN) is a national, nonprofit organization that works with community groups to develop river monitoring and protection programs. RWN offers organizational and technical assistance to conservation organizations, high school and college teachers and students, and citizen volunteers. RWN now has a corps of 6,000 volunteers nationwide working to restore and protect their rivers.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	BW
Chlorides	BW	Fish	
Nitrogen	BW	Coliform Bacteria	BW
Phosphorus	BW	Other Bacteria	BW
TSS/TDS	BW	Birds/Wildlife	
BOD	BW	Debris Cleanup	BW
Dissolved Oxygen	BW	Rainfall	BW
Secchi Transparency	BW	Photographic Surveys	BW
Alkalinity	BW	Pipe Surveys	BW
Flow	BW	Watershed Mapping	BW
Salinity	BW	Sediment Assessments	BW
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	BW

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Vermont Lay Monitoring Program

Amy Picotte, Environmental Conservation
103 S. Main St., Building 10-N
Waterbury, VT 05671-0408

Phone: 802-241-3777
FAX: 802-241-3287

Program Administration

Program Coordinator(s): Amy Picotte
Program Affiliate(s):
Year Founded: 1979 Staff: 1.3 Active Volunteers: 115

Total Funding

Approx. Annual Budget: $ 26,000

Percent Funding By Source

State: 25 Foundation: 0 Dues: 0
Federal: 75 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	126	47
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 3

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	W
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus	W	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Vermont's Lay Monitoring Program, begun in 1979, has collected water quality data on 69 lakes and 35 Lake Champlain stations since its inception. Since nutrient enrichment caused by human activities is the primary threat to Vermont's lake water quality, the program emphasizes measuring water quality parameters that relate to increased nutrient enrichment. Baseline data are collected for chlorophyll concentration (EPA fluorometric method), total phosphorus, and Secchi disk transparency. The program has one full-time staff member, one or two summer assistants, and about 115 volunteers. Funding for the program, approximately $26,000 yearly, comes from the state Water Quality General Fund, and in 1992 substantial support was received from the federally funded Lake Champlain Basin Program. The state uses the data for resource management decisions (data were used as the basis for obtaining a federal grant to conduct a watershed survey on Lake Champlain) and for new legislation (data were used to set water quality standards for the state). The program publishes a biannual newsletter and an annual report.

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NA - Not Available or Not Applicable √ - Applicable, but number not given

Volunteer Stewards

Vermont Chapter, The Nature Conservancy
27 State Street
Montpelier, VT 05602

Phone: 802-229-4425
FAX:

Program Administration

Program Coordinator(s): Kathy Reilly
Program Affiliate(s): The Nature Conservancy
Year Founded: 1991 Staff: 1.0 Active Volunteers: 40

Total Funding

Approx. Annual Budget: $ 12,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Volunteers maintain trails and participate in loon monitoring and protection programs, a streambank restoration project, a deer enclosure project, and a project designed to control exotic species.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

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NA - Not Available or Not Applicable √ - Applicable, but number not given

Adopt-A-Stream

Adopt-A-Stream
3242 Blundell Rd.
Falls Church, VA 22042

Phone: 202-219-0611
FAX:

Program Administration

Program Coordinator(s): Felix Spinelli
Program Affiliate(s): Izaak Walton League
Year Founded: 1992 Staff: 0.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

About 10 Webelo boys (10 years old) and their families sample a local stream twice per year. Data are sent to the Izaak Walton League.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	1	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	S
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	S
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	S
Flow		Watershed Mapping	S
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	S

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Cedar Run - Save Our Streams

Save Our Streams
Route 2 Box 63
Callett, VA 22019

Phone: 703-788-9071
FAX:

Program Administration

Program Coordinator(s): Susan Ballentine
Program Affiliate(s): Izaak Walton League of America
Year Founded: NA Staff: 1.0 Active Volunteers: 26

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The group consists of a sixth-grade class that monitors Cedar Run, a stream that runs behind the school. Results are sent to the Izaak Walton League.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	2	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	BM
Turbidity	BM	Macroinvertebrates	BM
Chlorides		Fish	BM
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	BM
BOD		Debris Cleanup	BM
Dissolved Oxygen	BM	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	BM
Flow	BM	Watershed Mapping	BM
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Central Elementary School - Save Our Streams

Beverly Broadfield, Central Elementary School
430 E. Shirley Ave.
Warrenton, VA 22186

Phone: 703-347-6180
FAX:

Program Administration

Program Coordinator(s): Beverly Broadfield
Program Affiliate(s): Izaak Walton League of America
Year Founded: 1991 Staff: 0.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	6	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	Q
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Central Elementary School's chapter of Save Our Streams monitors a portion of a stream which eventually feeds into the Chesapeake Bay. The students collect pollution-sensitive aquatic insects. The students then write up a report on their findings and send it to the state. The state is concerned about the water quality of this stream because the students' results show it to be poor quality. The group is working to upgrade a sewage treatment plant and to educate local farmers on nonpoint source pollution control. The students' involvement in Save Our Streams gives them a sense of real accomplishment while teaching them to appreciate our natural resources.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Chesapeake Bay Citizen Monitoring Program - VA

Alliance for the Chesapeake Bay, Inc.
P.O. Box 1981
Richmond, VA 23216

Phone: 804-775-0951
FAX: 804-775-0954

Program Administration

Program Coordinator(s): Marcy Judd
Program Affiliate(s): Alliance for the Chesapeake Bay, Inc.
Year Founded: 1985 Staff: 1.0 Active Volunteers: 120

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 50 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	100	10
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	W
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	W
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	W
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

In 1985 the Virginia Citizen Monitoring Program began with 12 volunteers monitoring 12 sites on the James River. The program now has 120 volunteers monitoring 100 sites on 10 rivers. Monitoring is done weekly.

Data from this program are used to augment the State Water Control Board's mid-channel monitoring program. Citizen monitoring data are collected at near-shore sites and provide a means of analyzing the correlation between near-shore and mid-channel data.

Citizens interested in monitoring learn about water quality and naturally develop a stewardship for their rivers. The program has worked closely with other groups interested in the conservation and preservation of the rivers monitored.

Currently, funding for the program is provided by grants from EPA Chesapeake Bay Program and the Virginia Department of Environmental Quality.

In 1992, for the first time, citizen monitoring data were included as a component in Virginia's 305(b) report to Congress.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Chesapeake Bay Nat'l Estuarine Research Reserve in VA

VIMS
P.O. Box 1346
Gloucester Pt., VA 23062

Phone: 804-642-7135
FAX: 804-642-7120

Program Administration

Program Coordinator(s): Dr. Maurice P. Lynch
Program Affiliate(s): NOAA; Virginia Institute of Marine Science
Year Founded: 1991 Staff: 6.0 Active Volunteers: 120

Total Funding

Approx. Annual Budget: $ 16,800

Percent Funding By Source

State: 40 Foundation: 0 Dues: 0
Federal: 60 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- □ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Notes

Volunteers assist in bird and plant monitoring and will assist in monitoring invertebrates, insects, reptiles, and amphibians.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	4	
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	Q
Dissolved Oxygen	W	Rainfall	W
Secchi Transparency	W	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

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NA - Not Available or Not Applicable √ - Applicable, but number not given

Chesapeake Bay Youth Conservation Corps

Chesapeake Bay Youth Conservation Corps
301 Albemarle Dr.
Chesapeake, VA 23320

Phone: 804-436-8185
FAX: 804-436-8202

Program Administration

Program Coordinator(s): Donald E. Marx, Jr.
Program Affiliate(s): Alliance for the Chesapeake Bay
Year Founded: 1989 Staff: 4.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 7,000

Percent Funding By Source

State: 0 Foundation: 50 Dues: 0
Federal: 0 Corporate: 0 Other: 50

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	5	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	W
Chlorides	Q	Fish	W
Nitrogen	Q	Coliform Bacteria	Q
Phosphorus	Q	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	Q	Debris Cleanup	Q
Dissolved Oxygen	W	Rainfall	
Secchi Transparency	W	Photographic Surveys	Q
Alkalinity	Q	Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

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NA - Not Available or Not Applicable √ - Applicable, but number not given

Chesterfield Regional Environmental League (CREL)

Chesterfield Regional Environmental League
P.O. Box 1791
Midlothian, VA 23113

Phone: 804-794-7450
FAX:

Program Administration

Program Coordinator(s): Carol Powers / Sy London
Program Affiliate(s): Izaak Walton League SOS; James River SWCD
Year Founded: 1992 Staff: 0.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 8,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 5
Federal: 0 Corporate: 0 Other: 95

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

The Chesterfield Regional Environmental League (CREL) is sponsoring the Izaak Walton League's Save Our Streams program in cooperation with the James River Soil and Water Conservation District and the Chesterfield County, VA, Department of Environmental Engineering. We have also established a "Backyard Wildlife Habitat" program which was developed by the Virginia Department of Game and Inland Fisheries. CREL is a member of the Appomattox River Watershed Committee.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	12	2
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	BM
Turbidity	BM	Macroinvertebrates	BM
Chlorides		Fish	BM
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	BM
Dissolved Oxygen		Rainfall	D
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	BM
Flow	BM	Watershed Mapping	A
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	A

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Citizens for Fauquier County, Save Our Streams

Douglas Lees
P.O. Box 1036
Warrenton, VA 22186

Phone: 703-347-3100
FAX: 703-349-8676

Program Administration

Program Coordinator(s): Douglas Lees
Program Affiliate(s): Izaak Walton League
Year Founded: 1969 Staff: 0.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Citizens for Fauquier County monitor four streams in Fauquier County—Great Run, Cedar Run, Bowen's Run, and Little River. Results are sent to the Izaak Walton League.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	4
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	BM
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	BM
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

City Streams Task Force

City Streams Task Force
109 W. Westmoreland Rd.
Falls Church, VA 22046

Phone: 703-532-0884
FAX:

Program Administration

Program Coordinator(s): David Eckert
Program Affiliate(s): Village Preservation and Improvement Society
Year Founded: 1990 Staff: 0.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 200

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- □ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- ■ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	3	2
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 2

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	S
Chlorides		Fish	S
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	S
Dissolved Oxygen	S	Rainfall	
Secchi Transparency		Photographic Surveys	S
Alkalinity		Pipe Surveys	S
Flow	S	Watershed Mapping	S
Salinity		Sediment Assessments	S
Metals		Site Inspections	S
Hydrocarbons		Habitat Assessments	S

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Clean the Bay Day

Clean the Bay Day, Inc.
1204 Shawn Dr.
Virginia Beach, VA 23456

Phone: 804-427-6606
FAX: 804-430-3627

Program Administration

Program Coordinator(s): Robert K. Dean
Program Affiliate(s): Center for Marine Conservation
Year Founded: 1989 Staff: 16.0 Active Volunteers: 7,000

Total Funding

Approx. Annual Budget: $ 4,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
■ Beaches	NA	
□ Wells		
□ Wetlands		

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Clean the Bay Day organization was formed by 12 concerned citizens who realized that the Chesapeake Bay, its tributaries, and our marine environment in general had fallen victim to humans' need to dispose of our waste products. Each year, tons of refuse, especially plastics, enter the marine environment from ships, recreational boaters, and land-based sources. This debris is not only unsightly, but it is a life-threatening hazard to marine wildlife, especially birds, turtles, and fish. The commitment of these individuals was to develop a project that would foster continuing public awareness of the problems in our oceans, bays, and inland waterways caused by discarded plastic and other debris, and at the same time include shoreline cleanup by citizens.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

CMC - International Coastal Cleanup

Center for Marine Conservation
306A Buckroe Ave.
Hampton, VA 23664

Phone: 804-851-6734
FAX: 804-851-4839

Program Administration

Program Coordinator(s): Karen Hodge
Program Affiliate(s):
Year Founded: 1986 Staff: 3.0 Active Volunteers: 161,000

Total Funding

Approx. Annual Budget: $ 350,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 33 Corporate: 67 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
■ Lake/Pond/Reservoir	NA	NA
■ River/Stream	NA	NA
■ Beaches	NA	
☐ Wells		
■ Wetlands	NA	

Notes

The Center for Marine Conservation (CMC) first began beach cleanups in 1986 as part of COASTWEEKS, the annual fall celebration of the beauty and value of our coasts. The first effort was a statewide cleanup of Texas beaches, with 2,800 volunteers turning out to take a first crack at data collection of beach debris. Six years later the volunteer base has grown to over 160,000, and the cleanup now includes 35 U.S. states and territories as well as 12 foreign countries.

The types and amounts of debris found are recorded and entered into a database. Over the past 6 years it seems that there hasn't been much change in the volume of debris found on the coast.

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

CMC - Million Points of Blight

Center for Marine Conservation
306A Buckroe Avenue
Hampton, VA 23664

Phone: 804-851-6734
FAX: 804-851-4183

Program Administration

Program Coordinator(s): K. O'Hara, L. Halperin, S. Macleod
Program Affiliate(s): Center for Marine Conservation
Year Founded: 1992 Staff: 2.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 100,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: √ Corporate: √ Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The "Million Points of Blight" program is run by the Center for Marine Conservation. "Million Points of Blight" gets people involved in helping the environment by stenciling one million storm drains around the country. Fifty established stenciling programs around the country are already included in the "Million Points of Blight" network. The program alerts people to a pollution problem that they can correct with responsible behavior. Many people don't realize their local storm drains are direct links to local streams and rivers and, ultimately, the ocean. This campaign helps communities learn about that connection and learn that storm drains should not be used as garbage cans.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

CMC - Statistical Sampling of Marine Debris

Center for Marine Conservation
306A Buckroe Ave.
Hampton, VA 23664

Phone: 804-851-6734
FAX: 804-851-4183

Program Administration

Program Coordinator(s): Susan Macleod / Kathy O'Hara
Program Affiliate(s): Center for Marine Conservation
Year Founded: 1990 Staff: 2.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

The program involves monthly marking of beach debris to follow its movement.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	NA	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	M
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Colonial Beach High School Program

Colonial Beach High School
100 First Street
Colonial Beach, VA 22443

Phone: 804-224-7166
FAX:

Program Administration

Program Coordinator(s): Ken Chatham
Program Affiliate(s):
Year Founded: 1993 Staff: 2.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Students at Colonial Beach High School have recently begun monitoring the Potomac River.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
■ Beaches	9	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	
Chlorides	X	Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	X	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Creeks 'n Critters

Creeks 'n Critters
16067 Germanna
Culpeper, VA 22701

Phone: 703-825-0681
FAX:

Program Administration

Program Coordinator(s): Desy Campbell
Program Affiliate(s): Culpeper County Extension
Year Founded: 1986 Staff: 0.0 Active Volunteers: 1

Total Funding

Approx. Annual Budget: $ 200

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	3	3
■ River/Stream	6	6
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Notes

Creeks 'n Critters evolved from 4-H and from Izaak Walton League training, as well as Chesapeake Bay Foundation information. Each summer there is a 1 - 3 day workshop, teaching 4-H youth about the waters of Culpeper County and their impact on the bay. The group learns map-reading skills, and also what kinds of plants and animals they share their environment with. Creeks 'n Critters is a 4-H workshop.

Months In Sampling Season: 1

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	A	Pesticides	
pH	A	Chlorophyll	
Hardness		Aquatic Vegetation	A
Turbidity		Macroinvertebrates	A
Chlorides		Fish	A
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	A
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Defense Logistics Agency Adopt-A-Stream

DLA - B (Public Affairs)
Cameron Station
Alexandria, VA 22304

Phone: 703-274-6241
FAX: 703-274-4681

Program Administration

Program Coordinator(s): Linda Stacy-Nichols
Program Affiliate(s): Izaak Walton League
Year Founded: 1990 Staff: 0.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	2	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	S
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Eastern Earth

Eastern Earth c/o Eastern Mennonite High School
801 Parkwood Ave
Harrisonburg, VA 22801

Phone: 703-433-9107
FAX:

Program Administration

Program Coordinator(s): Chris Kennel
Program Affiliate(s): Izaak Walton League, Save Our Streams
Year Founded: 1990 Staff: 0.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 50

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	1	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	S
Turbidity	S	Macroinvertebrates	S
Chlorides		Fish	S
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	S
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	S	Watershed Mapping	
Salinity		Sediment Assessments	S
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	S

Notes

Eastern Earth, a club created and formed by the students of Eastern Mennonite High School, monitors a stretch of the North River near Mt. Crawford, VA, using a system created by the Save Our Streams program of the Izaak Walton League. The program focuses on using biological monitoring as a way of determining the overall health of the stream. The bulk of the program's data are collected from a survey of macroinvertebrates that inhabit the stream. These macroinvertebrates are gathered by using a kick-seine net. The group then grades the stream using the Save Our Streams method. SOS supplies the group with nets, report forms, thermometers, magnification boxes, and macroinvertebrate guides, making the program simple, inexpensive, and easy for the group to carry out. SOS compiles the data submitted by all of their monitors and publishes a book of Virginia stream conditions. They also share their data with various local, state, and federal agencies.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Elizabeth River GREEN Project

Chesapeake Bay Foundation
100 W. Plume St. #701
Norfolk, VA 23510

Phone: 804-622-1964
FAX: 804-622-7861

Program Administration

Program Coordinator(s): Michael Kensler
Program Affiliate(s): Global Rivers Env. Ed. Network (GREEN), MI
Year Founded: 1992 Staff: 2.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 3,000

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	9	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity	Q	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	Q	Coliform Bacteria	Q
Phosphorus	Q	Other Bacteria	
TSS/TDS	Q	Birds/Wildlife	
BOD	Q	Debris Cleanup	Q
Dissolved Oxygen	Q	Rainfall	Q
Secchi Transparency	Q	Photographic Surveys	
Alkalinity		Pipe Surveys	X
Flow	Q	Watershed Mapping	X
Salinity	Q	Sediment Assessments	Q
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

The Elizabeth River GREEN Project, affiliated with the Global Rivers Environmental Education Network in Ann Arbor, Michigan, involves students from nine area middle and high schools and children in the Chesapeake Bay Youth Conservation Corps (a youth-at-risk program). The project uses water quality analysis as a tool to promote critical thinking and develop problem-solving skills among students. It is intended to be interdisciplinary and to empower students to become citizen activists to improve water quality in their communities.

Students learn about the Elizabeth River watershed, local land uses, and river history. They learn and conduct 10 water quality tests, and with the results they develop a water quality index for each test as well as a total score for their test site.

Testing occurs at nine different sites on the Elizabeth River at the same time on the same day. Students share their results with each other and compare the results obtained at their individual test sites with those of other schools. After obtaining a general picture of the river at that time on that day, students identify problems and develop projects to address those problems.

Students are volunteers working after school and on weekends, and teachers from each school participate and oversee the work of their student volunteers and help develop and coordinate the project. Testing occurs in October, January, and April, and a student conference is held in May. This project began organizing in February 1992, and testing began in October 1992.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Friends of the North Fork Shenandoah River

P.O. Box 746
122 S. Commerce St. Rear
Woodstock, VA 22664

Phone: 703-459-8550
FAX:

Program Administration

Program Coordinator(s): Garland Hudgins, Ron Falyar, Denise Pauletti
Program Affiliate(s): Izaak Walton League, Alliance for the Chesapeake Bay
Year Founded: 1988 Staff: 1.0 Active Volunteers: 55

Total Funding

Approx. Annual Budget: $ 40,000

Percent Funding By Source

State: 10 Foundation: 45 Dues: 25
Federal: 0 Corporate: 10 Other: 10

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	50	NA
□ Beaches		
■ Wells	200	
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness	M	Aquatic Vegetation	M
Turbidity		Macroinvertebrates	M
Chlorides	M	Fish	M
Nitrogen	M	Coliform Bacteria	W
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	M
BOD	M	Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	W
Secchi Transparency		Photographic Surveys	
Alkalinity	M	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	M
Metals	M	Site Inspections	
Hydrocarbons		Habitat Assessments	M

Notes

Friend of the North Fork conducts several monitoring programs:
(1) Benthic and Water Quality Monitoring: This five-year-old program is the most comprehensive river monitoring program in the Commonwealth of Virginia. Basic Hach Fish Farming Kits are used to test for the chemical parameters. The program plans to extend water quality research into groundwater, to determine the extent of groundwater pollution in order to protect and maintain surface water quality. The 52 volunteer monitors take water quality samples, which are tested in the Friends' laboratory.
(2) River Trends: The Alliance for the Chesapeake Bay River Trends program has provided Friends with computer software and the initial monitor instructions and handbook for this program. Friends is responsible for training monitors and keeping them supplied with equipment.
(3) River Rangers: This is a pilot program funded primarily by EPA. The program teaches fourth grade students methods for testing and protecting the water and analyzing for pollution sources. It emphasizes the effects of the river on the local community. The effects of the North Fork on the Potomac River and eventually on the Chesapeake Bay are also studied.
(4) Well Testing: A pilot program was conducted in 1991. In June 1993 a comprehensive well testing program was started in an area where the pilot program had revealed that 19 percent of wells were contaminated with fecal coliform.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Friends of the Rappahannock

Friends of the Rappahannock
108 Wolfe St.
Fredericksburg, VA 22401

Phone: 703-373-3448
FAX:

Program Administration

Program Coordinator(s): Liz Ehrich
Program Affiliate(s): Alliance for the Chesapeake Bay
Year Founded: 1989 Staff: 0.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 1,200

Percent Funding By Source

State: 0 Foundation: 100 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	10	3
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	W	Rainfall	X
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Friends of the Shenandoah River

Friends of the Shenandoah River
P.O. Box 410
Front Royal, VA 22630

Phone: 703-636-4948
FAX:

Program Administration

Program Coordinator(s): William Hipple
Program Affiliate(s):
Year Founded: 1989 Staff: 0.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 0 Foundation: 25 Dues: 25
Federal: 0 Corporate: 50 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	55	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	X
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Friends of the Shenandoah River monitors 150 miles of the river plus major tributaries. Also, all wastewater treatment outfalls and industrial outfalls are sampled. All samples are analyzed in a central lab by EPA-sanctioned methods. Information gathered is being used by such groups as the Alliance for the Chesapeake Bay.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Friends of Urbanna Creek

Friends of Urbanna Creek
P.O. Box 1981
Richmond, VA 23216

Phone: 804-775-0951
FAX: 804-775-0954

Program Administration

Program Coordinator(s): Russ Russell
Program Affiliate(s): Alliance for the Chesapeake Bay
Year Founded: 1990 Staff: 0.0 Active Volunteers: 7

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 0 Foundation: 0 Dues: 100
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	5	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen	W	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Friendship Environmental Education

Friendship Environmental Education
P.O. Box 145
Palmyra, VA 22963

Phone: 804-589-8950
FAX: 804-589-5880

Program Administration

Program Coordinator(s): Bette Anderson
Program Affiliate(s): Izaak Walton League Save Our Streams
Year Founded: 1990 Staff: 3.0 Active Volunteers: 150

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

This is a residential environmental education program with a 3-day student program, teacher training, and summer camp. The number of volunteers participating in the program is variable.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	1	1
■ River/Stream	3	3
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

George Washington's Reflection Schooner

George Washington Middle School
1005 Mt. Vernon Ave.
Alexandria, VA 22301

Phone: 703-706-4500
FAX: 703-820-8491

Program Administration

Program Coordinator(s): Therese Johnston
Program Affiliate(s):
Year Founded: 1991 Staff: 1.0 Active Volunteers: 35

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Therese Johnston's students at George Washington Middle School in Alexandria, VA, have built their own research vessel. It is a 31-foot, two-masted schooner with three sails. The students spent 11 months constructing this vessel. They now use it to collect water quality data from the Potomac River near Alexandria.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	Q	Macroinvertebrates	
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus	Q	Other Bacteria	
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Holston Horticulture FFA

Holston High School
Rt. 1, Box 243
Damascus, VA 24236

Phone: 703-628-1890
FAX:

Program Administration

Program Coordinator(s): Warren O. Wells
Program Affiliate(s):
Year Founded: 1989 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	M
Turbidity		Macroinvertebrates	M
Chlorides	M	Fish	M
Nitrogen	M	Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	M
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	M	Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	M
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	M

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Leesylvania State Park

Leesylvania State Park
16236 Neabsco Rd.
Woodbridge, VA 22191-4504

Phone: 703-670-0372
FAX:

Program Administration

Program Coordinator(s): Donald Barnett
Program Affiliate(s): Chesapeake Bay Foundation
Year Founded: 1991 Staff: 6.0 Active Volunteers: 4

Total Funding

Approx. Annual Budget: $ 175

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	3
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	W	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Miller Heights Neighborhoods Difficult Run Project

Michael W. Harvey
3019 Miller Heights Rd.
Oakton, VA 22124

Phone: 703-255-3373
FAX:

Program Administration

Program Coordinator(s): Michael W. Harvey
Program Affiliate(s):
Year Founded: 1990 Staff: 0.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	1	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

New River Valley Stream Monitoring Project

VA Museum of Natural History at VA Tech.
428 N. Main St.
Blacksburg, VA 24061-0542

Phone: 703-231-3001
FAX: 703-231-5446

Program Administration

Program Coordinator(s): Suzie Leslie
Program Affiliate(s): Izaak Walton League - Save Our Streams
Year Founded: 1993 Staff: 1.0 Active Volunteers: 150

Total Funding

Approx. Annual Budget: $ 250

Percent Funding By Source

State: 50 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 50

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	25	12
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

This program is still in its developing stages. It is cosponsored by several organizations, primarily the Virginia Museum of Natural History at Virginia Tech and the New River Valley Environmental Coalition. About 20 volunteers, many of them professionals in natural resource fields, have been trained to be trainers under the Izaak Walton League Save Our Streams Program. These individuals give presentations to clubs and organizations throughout the New River Valley. Further training is provided to groups that decide to adopt a stream, and a trainer accompanies the group the first time they monitor their stream. Collected data are submitted to both the Museum and the Izaak Walton League. A map will be kept of streams that are monitored and of their condition based on invertebrate samples. An area is provided at the museum where stream monitors can practice identification of aquatic invertebrates. Materials are also available on loan from the museum's education resource center.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Nongame and Endangered Wildlife Program

VA Dept. of Game and Inland Fisheries, NEWP
P.O. Box 11104
Richmond, VA 23230-1104

Phone: 804-367-6913
FAX: 804-367-0262

Program Administration

Program Coordinator(s): Karen Terwilliger
Program Affiliate(s):
Year Founded: 1981 Staff: 5.0 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ 500,000

Percent Funding By Source

State: 75 Foundation: 0 Dues: 0
Federal: 25 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	25	
■ Lake/Pond/Reservoir	25	NA
■ River/Stream	50	NA
■ Beaches	50	
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	X
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The Virginia Nongame and Endangered Wildlife program began in 1981. Funding comes primarily from U.S. Fish and Wildlife Service Pittman-Robertson funds and from sportsmen in the form of license fees and taxes on hunting and fishing equipment. The program has built a network of individuals and organizations to cooperate at the federal, state, and local levels. Individuals belonging to civic, academic, governmental, conservation, and education groups across the state assist the Department in promoting sound wildlife conservation and form the "nongame network."

A dynamic, systematic program for conserving nongame species begins with surveys, including inventories and censuses. Once this information is collected it is entered into the agency's computerized Fish and Wildlife Information System. The information is then used to protect endangered species and sensitive habitats.

Volunteers conduct surveys, provide biological observations, disseminate information, and conduct presentations, workshops, and training sessions.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Norfolk Chesapeake Chapter - Save Our Stream

Norfolk-Chesapeake Chapter, Izaak Walton League
721 Wood Duck Lane
Chesapeake, VA 23323

Phone: 804-487-2912
FAX:

Program Administration

Program Coordinator(s): Richard L. Siff
Program Affiliate(s): Izaak Walton League of America
Year Founded: 1980 Staff: 0.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The group monitors wildlife, habitats, and macroinvertebrates, using the Save Our Streams program methodology. The quality of the two monitored rivers, Elizabeth River and Deep Creek, is still relatively poor. However, there have been new sightings of pelicans and red foxes.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	3	2
■ Beaches	3	
☐ Wells		
■ Wetlands	3	

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Orange County Public Schools - Save Our Streams

Orange County Public Schools
P.O. Box 349
Orange, VA 22960

Phone: 703-672-5665
FAX:

Program Administration

Program Coordinator(s): Rick Estes
Program Affiliate(s): Izaak Walton League - Save Our Streams
Year Founded: 1992 Staff: 5.0 Active Volunteers: 120

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Orange County Public School system has involved the sixth grade classes from their four schools in a water quality monitoring project, using Izaak Walton League Save Our Streams program techniques.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	7	4
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Pohick Creek Monitoring Program

A. P. Sullivan
7605 De Vries Drive
Lorton, VA 22079

Phone: 703-550-9389
FAX:

Program Administration

Program Coordinator(s): Mickie Sullivan
Program Affiliate(s): Izaak Walton League - Save Our Streams
Year Founded: 1989 Staff: 0.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Save Our Streams, Izaak Walton League of America

Izaak Walton League of America, SOS
1401 Wilson Blvd., Level B
Arlington, VA 22209

Phone: 703-528-1818
FAX: 703-528-1836

Program Administration

Program Coordinator(s): Karen Firehock
Program Affiliate(s):
Year Founded: 1969 Staff: 3.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 200,000

Percent Funding By Source

State: 20 Foundation: 50 Dues: 0
Federal: 0 Corporate: 30 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	Q
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	A
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

The Save Our Streams Program is the grassroots river monitoring and restoration program of the Izaak Walton League of America. The project was begun in Maryland in 1969 and has trained volunteers in every state.

The League runs statewide volunteer stream monitoring programs in West Virginia and Virginia with a total of 350 stations. Data are used in state 305(b) reports and for assessing the impacts of nonpoint source pollution.

IWLA chapters in 37 states use the SOS program. Thousands of other organizations also use SOS methods to monitor stream quality. SOS assists other states in organizing and running volunteer monitoring networks and has provided assistance with monitoring network design, creation of slide shows, resource materials, and data management. SOS tracks projects in all 50 states through the MONITORS database, which includes volunteer monitoring projects for rivers, wetlands, lakes, and estuaries. SOS has produced a variety of easy-to-understand booklets, factsheets, training videos, and habitat restoration guides, as well as an environmental curriculum for grades one through twelve.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Smith Mountain Lake Volunteer Water Quality Monitoring

Smith Mountain Lake Project
Ferrum College
Ferrum, VA 24088

Phone: 703-365-4368
FAX: 703-365-4203

Program Administration

Program Coordinator(s): Dr. Carolyn L. Thomas & Dr. Dave Johnson
Program Affiliate(s):
Year Founded: 1987 Staff: 3.0 Active Volunteers: 45

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 75 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 25

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	80	1
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 3

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	W
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus	W	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Smith Mountain Lake volunteer monitoring and public education program combines public involvement and accurate water quality monitoring. Many lake residents take samples of lake water every week during the summer for chemical analyses at Ferrum College. For the last six years, with the support of Virginia Environmental Endowment (1987-1989), the Smith Mountain Lake Association (SMLA), Ferrum College, and the State of Virginia (1990-1992), measurements and water samples have been taken on Smith Mountain Lake to provide a baseline of water quality data to help predict future water quality and provide an early warning system for potential water pollution problems.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Tandem Center for the Environment, Save Our Streams

Tandem Center for the Environment
Rt. 19 Box 107
Charlottesville, VA 22902

Phone: 804-979-9211
FAX:

Program Administration

Program Coordinator(s): John Hermsmeier
Program Affiliate(s): Regional Thomas Jefferson Soil Conservation District
Year Founded: 1967 Staff: 3.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 15,000

Percent Funding By Source

State: 30 Foundation: 50 Dues: 0
Federal: 20 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	3
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	BW
Turbidity		Macroinvertebrates	BW
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Virginia Department of Forestry Water Quality Program

VA Department of Forestry Water Quality Program
P.O. Box 3758
Charlottesville, VA 22903

Phone: 804-977-6555
FAX: 804-296-2369

Program Administration

Program Coordinator(s): Samuel H. Austin
Program Affiliate(s):
Year Founded: 1988 Staff: 2.0 Active Volunteers: 1

Total Funding

Approx. Annual Budget: $ 300

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- □ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	50	NA
□ Beaches		
□ Wells		
■ Wetlands	4	

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	D	Pesticides	X
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	BW	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	
Phosphorus	BW	Other Bacteria	
TSS/TDS	BW	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	X
Alkalinity	X	Pipe Surveys	
Flow	D	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The Virginia Department of Forestry Water Quality Program does chemical and biological monitoring to provide site-specific measurements of forest water quality. Monitoring is done at eight sites. Sampling locations are selected as representative of typical logging operations and natural resource locations. Water quality sampling equipment is located above and below each sampled forest disturbance. Chemical water quality parameters are analyzed by Consolidated Laboratory Services in Richmond using Ion Chromatography. Biological water quality parameters are analyzed by VDOF using rapid bioassessment techniques. Hydrologic flow data are analyzed by the VDOF using modern flow metering technology. All data are stored in a computer database at the Virginia Department of Forestry.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Volunteers for Outdoor Recreation

Blacksburg Parks and Recreation
725 Patrick Henry Drive
Blacksburg, VA 24060

Phone: 703-961-1133
FAX:

Program Administration

Program Coordinator(s): Dean Crane
Program Affiliate(s):
Year Founded: 1991 Staff: 1.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Volunteers monitor wildlife and habitats and perform debris cleanups in a 100-acre nature area.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Adopt a Beach

Adopt a Beach
P.O. Box 21486
Seattle, WA 98111

Phone: 206-624-6013
FAX: 206-682-0722

Program Administration

Program Coordinator(s): Ken Pritchard
Program Affiliate(s):
Year Founded: 1985 Staff: 3.0 Active Volunteers: 300

Total Funding

Approx. Annual Budget: $ 100,000

Percent Funding By Source

State: 25 Foundation: 60 Dues: 5
Federal: 5 Corporate: 5 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
□ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
■ Beaches	NA	
□ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity	X	Pipe Surveys	X
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

Adopt a Beach is a community organization that helps citizens take responsibility for local water resources. Since 1985, Adopt a Beach has organized dozens of projects along beaches, riverbanks, streams, and marshes. We have learned that when people care for these cherished places through active participation in projects, they become a powerful force in the protection of marine resources and related watersheds.

Adopt a Beach has started nearly 30 citizen stewardship projects in the state of Washington and has worked with hundreds of volunteers. Projects include shoreline characterization and monitoring; shellfish monitoring; wetlands surveying, mapping, and monitoring; PSP (paralytic shellfish poisoning) testing; habitat inventories; beached bird surveys; monitoring the incidental catch of marine birds on fishing vessels; and stream monitoring. AAB has also participated in estuarine wetland rehabilitation.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Adopt-A-Stream Foundation, Streamkeeper Program

The Adopt-A-Stream Foundation
Box 5558
Everett, WA 98206

Phone: 206-388-3559
FAX:

Program Administration

Program Coordinator(s): Tom Murdoch
Program Affiliate(s):
Year Founded: 1985 Staff: 4.0 Active Volunteers: 300

Total Funding

Approx. Annual Budget: $ 160,000

Percent Funding By Source

State:	NA	Foundation:	NA	Dues:	NA
Federal:	NA	Corporate:	NA	Other:	NA

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	100
☐ Beaches		
☐ Wells		
☐ Wetlands		

Notes

The Adopt-A-Stream Foundation's Streamkeeper Program encourages citizens to participate in enhancing and protecting the quality of their local streams and rivers. The group conducts several workshops throughout the state of Washington to train volunteers in monitoring techniques and educate them about the threats facing their rivers and streams. Citizens trained as "streamkeepers" conduct inventories of their watersheds and monitor the physical, chemical, and biological characteristics of their water resources. The volunteers use the data they collect to influence all levels of government.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	X
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Alki Beach Reserve

Seattle Aquarium
Pier 59
Seattle, WA 98101

Phone: 806-386-4344
FAX:

Program Administration

Program Coordinator(s): Mark D. Plunkett
Program Affiliate(s): Seattle Aquarium
Year Founded: 1993 Staff: 4.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	3	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	M
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	Q
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

Notes

The Seattle Aquarium and the Natural Resources Unit of the Seattle Department of Parks and Recreation are proposing the establishment of a marine reserve on Alki Beach. This is sought to protect citizens from consuming shellfish and algae unsafe for consumption, and to protect the intertidal life from the threat of overharvest. The proposal is supported by the superintendent of Parks and Recreation, as well as numerous federal, state, and local natural resource agencies. Central to the proposal is an educational campaign slated to inform area citizens of the benefits of the reserve and the ecological wealth of the site.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Auburn Senior High School Science Classes

Auburn Senior High School
800 4th St. NE
Auburn, WA 98002

Phone: 206-931-4880
FAX:

Program Administration

Program Coordinator(s): Stuart E. Dick
Program Affiliate(s):
Year Founded: 1985 Staff: 3.0 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity		Macroinvertebrates	A
Chlorides		Fish	A
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	A	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Bellevue Stream Team

City of Bellevue, Utilities Dept.
P.O. Box 90012
Bellevue, WA 98009-9012

Phone: 206-637-5200
FAX: 206-637-5214

Program Administration

Program Coordinator(s): Deborah Dahling
Program Affiliate(s): City of Bellevue (WA)
Year Founded: 1988 Staff: 1.0 Active Volunteers: 200

Total Funding

Approx. Annual Budget: $ 63,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	2
■ River/Stream	9	9
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	D	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	M	Macroinvertebrates	Q
Chlorides		Fish	D
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	X
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	Q
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

Notes

Since 1988, the City of Bellevue Stream Team Program has involved residents in protecting and enhancing Bellevue's streams, lakes, and wetlands.

Stream Team activities include: Stream cleanups; planting native trees and shrubs along streams; salmon rearing projects; stenciling storm drains with the message "Dump No Waste, Drains to Stream"; removing purple loosestrife, a noxious weed, from local wetlands; collecting aquatic insects to help determine water quality; walking streams to detect changes in streamside habitat; gathering data on stream water level, temperature and condition; observing streams for returning adult salmon; and collecting water quality data on lakes.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Big Gulch Creek - Adopt-A-Stream

Big Gulch Creek - Adopt-A-Stream
912 Fifth Street
Mukilteo, WA 98275

Phone: 206-353-2346
FAX:

Program Administration

Program Coordinator(s): John Jacobson
Program Affiliate(s): Adopt-A-Stream
Year Founded: 1989 Staff: 0.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 500

Percent Funding By Source

State: 0 Foundation: 20 Dues: 0
Federal: 0 Corporate: 0 Other: 80

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	2	1
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	S
Dissolved Oxygen	M	Rainfall	M
Secchi Transparency		Photographic Surveys	M
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Black River Watch

Gordon White, Community and Env. Program
Thurston Co. Courthouse, 2000 Lakeridge Dr., SW
Olympia, WA 98502

Phone: 206-754-4111
FAX: 206-754-2954

Program Administration

Program Coordinator(s): Gordon White, Sammy Berg
Program Affiliate(s):
Year Founded: 1990 Staff: .2 Active Volunteers: 8

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 25 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 75

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	6	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	M
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	W
Secchi Transparency	W	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Black River Watch Cooperative Monitoring Project is composed of Black River shoreline residents, fish farms, Thurston County, and the Washington State Department of Ecology. Citizen volunteers and members of two fish farms that border the river monitor water quality year-round on the river, sampling weekly during the summer/fall season and monthly in the winter and spring.

In 1989 the Black River, near Olympia, experienced a massive fish kill. This event created a strong concern among river residents that the river was being polluted. In addition, fish farms that discharge water from their operations into the river felt they were unfairly implicated in the fish kill. The Black River Watch Cooperative Monitoring Project was formed by shoreline residents, fish farms, and Thurston County in order to build trust and help citizens take an active role in assessing the health of their river.

The main purpose of the River Watch volunteers is to monitor and record the ambient conditions of the Black River throughout the year and collect baseline data. The data are provided to local and state agencies.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Brier Elementary Salmon

Brier Elementary
3625 232nd SW
Brier, WA 98036

Phone: 206-670-7854
FAX:

Program Administration

Program Coordinator(s): Michele Boyd
Program Affiliate(s):
Year Founded: 1990 Staff: 0.0 Active Volunteers: 62

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The students check the suitability of the stream for placement of the salmon which they raise. This is the school's third year of raising salmon and monitoring the stream.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	1
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 2

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	W
Turbidity	W	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	W	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Budd/Deschutes Project GREEN

Budd/Deschutes Project GREEN
3522 Pioneer Way E.
Tacoma, WA 98443

Phone: 206-922-3596
FAX:

Program Administration

Program Coordinator(s): Rochelle Rothaus
Program Affiliate(s): Project GREEN
Year Founded: 1992 Staff: 1.0 Active Volunteers: 500

Total Funding

Approx. Annual Budget: $ 80,000

Percent Funding By Source

State: 21 Foundation: 4 Dues: 0
Federal: 0 Corporate: 55 Other: 20

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	3	
■ Lake/Pond/Reservoir	2	2
■ River/Stream	15	5
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	X
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

In response to the need for informed, pro-active citizenry, public and private organizations and individuals are sponsoring the Budd Inlet/Deschutes River Project GREEN (Global Rivers Environmental Education Network). Through GREEN, students and teachers communicate with others in their own community and around the world who are active watershed citizens.

The study of watersheds is used as the basis for this project. Watersheds lend themselves to interdisciplinary studies of the social, economic, and environmental "overlays" shaping communities. Students from schools in the Budd/Deschutes watershed monitor the river system for 10 chemical water quality parameters as well as biological and physical parameters. Students share data and information with one another via computer modems for a clear picture of water quality throughout the watershed. Each year students participate in a Student Congress where they learn problem-solving skills, and present resolutions for solving problems in the watershed. Working with community members, students then plan and implement community service projects.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Chautauqua Northwest "Seniors for the Sound"

1510 IBM Building
1200 Fifth Avenue
Seattle, WA 98101-1127

Phone: 206-223-1378
FAX: 206-223-0127

Program Administration

Program Coordinator(s): Jane V. L. Hardy
Program Affiliate(s): Puget Sound Water Quality Authority
Year Founded: 1989 Staff: 2.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 18,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

The "Seniors for the Sound" monitor shellfish for public health protection and as an indicator species for water quality.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	5	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	Q
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Clover Creek Council

Clover Creek Council
1602 129th St. E
Tacoma, WA 98445

Phone: 206-596-8222
FAX:

Program Administration

Program Coordinator(s): Al Schmauder
Program Affiliate(s):
Year Founded: 1990 Staff: 0.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 4,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 50 Other: 50

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	NA	1
□ Beaches		
□ Wells		
■ Wetlands	NA	

Notes

The Clover Creek Council has various projects under way. Extensive work has been done to improve the Clover Creek watershed by coordinating and focusing the efforts of landowners, schools, businesses, and citizens. This combined team planted trees, restored stream banks, removed trash, created stream bottom habitat, and built fish ladders.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

East Lake Washington Audubon

East Lake Washington Audubon
P.O. Box 3632
Bellvue, WA 98009

Phone: 206-821-4074
FAX:

Program Administration

Program Coordinator(s): Meredith Jewett
Program Affiliate(s):
Year Founded: 1981 Staff: 0.0 Active Volunteers: 10

Total Funding

Approx. Annual Budget: $ 50

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Evergreen School Thornton Creek

Janet Charnley, The Evergreen School
15201 Meridian Ave N
Seattle, WA 98133

Phone: 206-364-2650
FAX:

Program Administration

Program Coordinator(s): Janet Charnley
Program Affiliate(s): Adopt-A-Stream Foundation
Year Founded: 1991 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	1	1
☐ Beaches		
☐ Wells		
■ Wetlands	1	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	M
Chlorides		Fish	
Nitrogen	M	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	M
BOD		Debris Cleanup	A
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	M	Watershed Mapping	A
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	A

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Forest Project

The Forest Project
P.O. Box 688
Leavenworth, WA 98826

Phone: 509-548-6006
FAX: 509-548-6006

Program Administration

Program Coordinator(s): Deborah J. Seyler
Program Affiliate(s):
Year Founded: 1990 Staff: 1.0 Active Volunteers: 40

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

Notes

The Forest Project is a group of concerned volunteers that monitors the timber industry, the Forest Service, and county law. The group monitors for watershed collapse and forest fragmentation, land conversion, fish, plant and animal populations, and slope failure. They also verify that regulations are met and that necessary permits are obtained. Volunteers also monitor habitats pre- and post-logging.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Friends of Fauntleroy Creek

Friends of Fauntleroy Creek
4539 S.W. Director Pl.
Seattle, WA 98136-2614

Phone: 206-938-4203
FAX: 206-938-4203

Program Administration

Program Coordinator(s): Judy E. Pickens
Program Affiliate(s):
Year Founded: 1990 Staff: 0.0 Active Volunteers: 1

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Friends of Fauntleroy Creek works with a Summer Youth Employment Project for 14- to 18-year olds, including a unit on water testing

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	5	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	M
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Island Co./WSU Beach Watchers

Island Co./ WSU Beach Watchers
P.O. Box 5000
Coupeville, WA 98239

Phone: 206-679-7391
FAX: 206-679-7396

Program Administration

Program Coordinator(s): Susan Berta
Program Affiliate(s): Island Co./ WSU Cooperative Extension
Year Founded: 1989 Staff: 2.0 Active Volunteers: 85

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 75 Foundation: 0 Dues: 0
Federal: 0 Corporate: 20 Other: 5

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
■ Beaches	NA	
☐ Wells		
■ Wetlands	NA	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity	X	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

WSU Beach Watchers have been working to develop a bioassessment and beach profile process that is simple enough for volunteers to conduct yet scientific enough to produce useful information. They currently have several volunteers conducting quarterly beach profiles and bioassessments, and many volunteers doing a journal-type recording of changes on their beaches (photos, lists of plant and animal life, invertebrates, bluff erosion, changes noted, etc.).

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Kitsap Diving Association Underwater Park

Kitsap Diving Association
P.O. Box 1302
Bremerton, WA 98310-0511

Phone: 206-373-5367
FAX:

Program Administration

Program Coordinator(s): Donald L. Larson
Program Affiliate(s): WA Dept. of Ecology, US Navy Bangor Sub. Base
Year Founded: 1984 Staff: 2.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 75 Foundation: 0 Dues: 5
Federal: 0 Corporate: 20 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	5	
□ Lake/Pond/Reservoir		
□ River/Stream		
■ Beaches	5	
□ Wells		
□ Wetlands		

Notes

The Kitsap Diving Association has been very active in cleanups of beaches and underwater dive sites. The group has also been instrumental in pushing for legislation to create a system of state marine parks for the purpose of providing diverse recreational diving opportunities and protecting unique marine resources in the state of Washington. On May 7, 1993, Senate Bill #5332 was signed into law for underwater parks in Washington State.

The Kitsap Diving Association works with the Washington Scuba Alliance and the Central Kitsap County School District.

Months In Sampling Season: 2

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	S
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Kopachuck Middle School

Kopachuck Middle School
10414 56th St. NW
Gig Harbor, WA 98335

Phone: 206-265-3392
FAX:

Program Administration

Program Coordinator(s): John Valentine
Program Affiliate(s): Adopt-A-Stream Foundation
Year Founded: NA Staff: 1.0 Active Volunteers: 80

Total Funding

Approx. Annual Budget: $ 600

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	1	
■ Lake/Pond/Reservoir	2	2
■ River/Stream	2	2
■ Beaches	1	
☐ Wells		
■ Wetlands	1	

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	X
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency	X	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	X
Metals	X	Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lake Howard, Lake Martha, and H-M Creek

H-M Creek
7207 Lakewood Rd.
Stanwood, WA 98292

Phone: 206-652-9619
FAX: 206-652-5405

Program Administration

Program Coordinator(s): Curt Howard
Program Affiliate(s):
Year Founded: 1992 Staff: 0.0 Active Volunteers: 1

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

The program monitors Lake Howard, Lake Martha, and H-M Creek, which is an intermittent stream that is the outlet of Lake Howard and the inlet of Lake Martha.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	4	2
■ River/Stream	5	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	W	Pesticides	
pH	W	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	W	Rainfall	D
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	W	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	S

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Leavenworth Audubon Adopt-A-Forest

Leavenworth Audubon Adopt-A-Forest
P.O. Box 368
Leavenworth, WA 98826

Phone: 509-763-2812
FAX: 509-763-2812

Program Administration

Program Coordinator(s): Pat Rasmussen/Deborah Seyler
Program Affiliate(s): National Audubon
Year Founded: 1989 Staff: 0.0 Active Volunteers: 138

Total Funding

Approx. Annual Budget: $ 3,500

Percent Funding By Source

State: 0 Foundation: 0 Dues: √
Federal: 0 Corporate: 0 Other: √

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

The group monitors four forest stations for transect study.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	Q
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	Q
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	Q
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

METRO Small Lakes Monitoring

METRO, MS-81
821-2nd Ave.
Seattle, WA 98104

Phone: 206-684-1223
FAX: 206-684-1741

Program Administration

Program Coordinator(s): Bob Brenner
Program Affiliate(s): METRO
Year Founded: 1985 Staff: .5 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 20,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- □ Habitat Restoration
- ■ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

METRO is a water pollution control agency. Funding for this program is provided by METRO.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	26	26
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	
pH		Chlorophyll	BM
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	BM	Coliform Bacteria	
Phosphorus	BM	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	BM	Rainfall	
Secchi Transparency	BM	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Miller Ban Outreach and Monitoring

Phyllis Meyers, Suquamish Tribe
P.O. Box 498
Suquamish, WA 98392-0498

Phone: 206-598-3311
FAX:

Program Administration

Program Coordinator(s): Phyllis Meyers
Program Affiliate(s): Suquamish Tribe
Year Founded: 1991 Staff: 1.0 Active Volunteers: 6

Total Funding

Approx. Annual Budget: $ 56,700

Percent Funding By Source

State: 70 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 30

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The group is collecting data for a baseline analysis. After analysis the data will be available to local individuals or organizations.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	10	1
☐ Beaches		
☐ Wells		
■ Wetlands	4	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	X
TSS/TDS	X	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	W	Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Nisqually River Education Project

Yelm School District
P.O. Box 476
Yelm, WA 98597

Phone: 206-458-6137
FAX: 206-458-2469

Program Administration

Program Coordinator(s): Chris Maun
Program Affiliate(s): GREEN (Global Rivers Env. Ed. Network, MI)
Year Founded: 1990 Staff: 1.0 Active Volunteers: 200

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	2	
☐ Lake/Pond/Reservoir		
■ River/Stream	12	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	X
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Nisqually River Education Project GREEN is a water quality monitoring network through which students safeguard the river's health. Approximately 200 4th- to 10th-grade students conduct monthly chemical, physical, and biological tests, which contribute valuable data to the Nisqually Indian Tribe's fisheries program. Action projects through which students improve the water quality are an important element of NREP. Currently students are working on restoring Yelm Creek through stream bank revegetation, planting salmon egg tubes, and constructing a streamside nature trail.

The Nisqually River Education Project is a member of the Global Rivers Environmental Education Network (GREEN). Through GREEN, participating classes communicate via computer networking with other students throughout the region and the world who are also active in GREEN.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Olympia Stream Team

City of Olympia, Public Works Department
P.O. Box 1967
Olympia, WA 98507

Phone: 206-753-8598
FAX: 206-753-8087

Program Administration

Program Coordinator(s): Wendy Burt
Program Affiliate(s): Streamwalk (EPA Region 10); GREEN
Year Founded: 1990 Staff: 2.0 Active Volunteers: 150

Total Funding

Approx. Annual Budget: $ 80,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

The Olympia Stream Team program was initiated by a state grant, and is now wholly funded by the City of Olympia Stormwater Utility.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	40	8
□ Beaches		
□ Wells		
■ Wetlands	5	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	Q

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Padilla Bay High School Outreach

Padilla Bay Reserve
1043 Bayview - Edison Road
Mount Vernon, WA 98273

Phone: 206-428-1558
FAX: 206-428-1491

Program Administration

Program Coordinator(s): Glen Alexander
Program Affiliate(s): Padilla Bay National Estuarine Research Reserve
Year Founded: 1991 Staff: .3 Active Volunteers: 100

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 33 Foundation: 34 Dues: 0
Federal: 33 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	2	
☐ Lake/Pond/Reservoir		
■ River/Stream	1	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	BW	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	BW	Coliform Bacteria	BW
Phosphorus	BW	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD	BW	Debris Cleanup	
Dissolved Oxygen	BW	Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	BW	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Padilla Bay High School Outreach Program is an educational program developed by the Padilla Bay National Estuarine Research Reserve and offered free of charge to local high school classes. The Padilla Bay Reserve Outreach Specialist visits participating schools and presents a series of classes related to the ecology of Padilla Bay. One class introduces the students to water quality monitoring in the bay, which the students then carry out on an ongoing basis.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Peninsula Stream Monitors

Nancy Hansen
7307 43rd Ave. Ct. N.W.
Gig Harbor, WA 98335

Phone: 206-851-7636
FAX:

Program Administration

Program Coordinator(s): Nancy Hansen
Program Affiliate(s):
Year Founded: 1993 Staff: 0.0 Active Volunteers: 4

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Port Gamble S'Klallam Fisheries

Port Gamble S'Klallam Fisheries Office
P.O. Box 280
Kingston, WA 98368

Phone: 206-297-4792
FAX: 206-297-4791

Program Administration

Program Coordinator(s): Peter Bahls
Program Affiliate(s):
Year Founded: NA Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- □ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

Volunteers conduct salmon spawning surveys and temperature monitoring in the Upper Hood Canal region.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	20	NA
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 3

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Puget Sound Ambient Monitoring Program

Puget Sound Water Quality Authority
P.O. Box 40900
Olympia, WA 98504-0900

Phone: 206-493-9300
FAX: 206-493-9155

Program Administration

Program Coordinator(s): Chris Prescott
Program Affiliate(s):
Year Founded: 1989 Staff: 1.5 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 13,000

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- □ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- □ Federal Government

Notes

The Puget Sound Ambient Monitoring Program is in the process of development. Presently volunteers only do fish and shellfish surveys. However, the volunteers' role will expand greatly once a citizen monitoring coordinator is hired.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	25	
□ Lake/Pond/Reservoir		
□ River/Stream		
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	A
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	X
Nitrogen	M	Coliform Bacteria	Q
Phosphorus	M	Other Bacteria	
TSS/TDS	M	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	
Secchi Transparency	M	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity	M	Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Quileute Tribal School Beach Survey

Quileute Tribal School Beach Survey
P.O. Box 279
La Push, WA 98350

Phone: 206-374-6163
FAX: 206-374-6311

Program Administration

Program Coordinator(s): Robert Borchers
Program Affiliate(s):
Year Founded: 1992 Staff: 1.0 Active Volunteers: 60

Total Funding

Approx. Annual Budget: $ 2,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	1	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

The Quileute Tribal School Beach Survey was started to provide opportunities for the students to learn about the coastal marine ecosystem and become stewards of their local environment. Planned activities include beach debris cleanups, shoreline monitoring, and shorebird surveys. The program is funded by an EPA Environmental Education grant.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Sammamish River Revegetation

10827 NE 68th St.
Suite B
Kirkland, WA 98033

Phone: 206-822-5242
FAX:

Program Administration

Program Coordinator(s): Bill Way
Program Affiliate(s): Izaak Walton League; Friends of the Sammamish River
Year Founded: 1989 Staff: 0.0 Active Volunteers: 16

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 0 Foundation: 10 Dues: 0
Federal: 0 Corporate: 60 Other: 30

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 4

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	Q
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

Notes

The goal of the Sammamish River Revegetation Project is to protect and restore the Sammamish River, which was dredged and straightened in the early 1960s by the Army Corps of Engineers with the single objective of flood protection. A sample 0.6 miles of Sammamish River bankline has been revegetated over the last 4 years. Hundreds of volunteers have donated their time to plant native riparian species. Corporate donations and seed money from local government were used to acquire thousands of trees and shrubs. The group's major efforts at this point are monitoring the success of plantings; cutting back competing invasive species, such as Himalayan blackberry and reed canary grass; and education.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Snohomish County Lake Management Program

Snohomish County Public Works
2930 Wetmore Ave.
Everett, WA 98201

Phone: 206-388-3464
FAX: 206-388-6449

Program Administration

Program Coordinator(s): Gene Williams
Program Affiliate(s):
Year Founded: 1992 Staff: .3 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 10,000

Percent Funding By Source

State: 75 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 25

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	15	15
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	X	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

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NA - Not Available or Not Applicable √ - Applicable, but number not given

State of Washington Water Research Center

State of Washington Water Research Center
Washington State University
Pullman, WA 99164-3002

Phone: 509-335-5531
FAX: 509-335-1590

Program Administration

Program Coordinator(s): W. Funk, S. Juul, B. Moore
Program Affiliate(s):
Year Founded: 1964 Staff: NA Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 20,000

Percent Funding By Source

State: 75 Foundation: 0 Dues: 0
Federal: 15 Corporate: 0 Other: 10

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- ■ College

Data Used By

- □ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- □ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	2	3
■ River/Stream	NA	20
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The State of Washington Water Research Center cooperates with citizens and homeowners who are interested in maintaining, improving, or restoring lakes and streams. Citizens are trained in streamflow, oxygen, temperature, and (occasionally) alkalinity measurements. Most of the nutrients are measured in the Center's laboratories.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	X
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Streamwalk

Susan Handley, US EPA Region 10
1200 6th Ave, WD139
Seattle, WA 98101

Phone: 206-553-1287
FAX: 206-553-0165

Program Administration

Program Coordinator(s): Susan Handley
Program Affiliate(s): US EPA Region 10
Year Founded: 1990 Staff: .5 Active Volunteers: 10,000

Total Funding

Approx. Annual Budget: $ 20,000

Percent Funding By Source

State:	0	Foundation:	0	Dues:	0
Federal:	100	Corporate:	0	Other:	0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity	Q	Macroinvertebrates	
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	Q
Secchi Transparency		Photographic Surveys	Q
Alkalinity		Pipe Surveys	Q
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	Q

Notes

Streamwalk is a simple, direct, "user-friendly" monitoring tool designed to assess the quality and heath of our streams. It leads the interested citizen, student, or teacher through an observation and notation of stream characteristics. The data observed are recorded and submitted to EPA for inclusion in a stream quality trend database.

The Streamwalk program was instituted by Region 10 of EPA to meet two purposes: (1) to promote experiential learning about stream ecology and the importance of clean water and (2) to gather trend information on the health status of streams in Washington, Idaho, Alaska, and Oregon.

The unique administration and implementation process has contributed to a response which has motivated over 13,000 adults and students to take a closer look at miles of streams usually not monitored by other programs. Various enhancements to the basic assessment tool, such as sharing of student findings via computer, a stream game for kids, and a teachers manual, have increased the attraction and excitement of the project.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

The San Juan Preservation Trust

The San Juan Preservation Trust
Box 327
Lopez Island, WA 98261-0327

Phone: 206-468-3202
FAX: 206-468-3206

Program Administration

Program Coordinator(s): Robert Myhr
Program Affiliate(s):
Year Founded: 1979 Staff: 2.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 50,000

Percent Funding By Source

State: 0 Foundation: 5 Dues: 0
Federal: 5 Corporate: 0 Other: 90

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Notes

The San Juan Preservation Trust is dedicated to helping people protect the wildlife, scenery, and traditional way of life of the San Juan Islands through the preservation and wise use of land. The Trust serves landowners who wish to protect their land by means of conservation easements.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	30	
☐ Wells		
■ Wetlands	10	

Months In Sampling Season: 10

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	Q
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	A
Hydrocarbons		Habitat Assessments	BW

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Volunteer Aquatic Ecosystem Monitoring Program

King County Surface Water Management
1111 3rd Ave.
Seattle, WA 98101

Phone: 206-296-8363
FAX: 206-296-8033

Program Administration

Program Coordinator(s): Kate O'Laughlin and Basin Stewards
Program Affiliate(s): King Co. Surface Water Mgt. Long Term Monitoring
Year Founded: 1992 Staff: 5.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 50 Corporate: 0 Other: 50

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- □ State Government
- □ University Scientists
- □ Federal Government

Notes

The lake and stream monitoring program began in 1993.

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	4
■ River/Stream	NA	4
□ Beaches		
□ Wells		
■ Wetlands	25	

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides	X	Fish	X
Nitrogen	X	Coliform Bacteria	
Phosphorus	X	Other Bacteria	
TSS/TDS	X	Birds/Wildlife	
BOD	X	Debris Cleanup	
Dissolved Oxygen	X	Rainfall	X
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons	X	Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Volunteer Wetland Mitigation Monitoring

King County Dept. of Dev. & Env. Services
3600 136th Pl. SE
Bellevue, WA 98006-1400

Phone: 206-296-7294
FAX: 206-296-6698

Program Administration

Program Coordinator(s): Mason Bowles
Program Affiliate(s):
Year Founded: 1993 Staff: 1.0 Active Volunteers: 20

Total Funding

Approx. Annual Budget: $ 20,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 100 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
☐ River/Stream		
☐ Beaches		
☐ Wells		
■ Wetlands	10	

Notes

The volunteer wetland monitoring program is a cooperative research effort funded by US EPA and administered by Adopt-A-Beach and King County. This program has three goals:
1) To develop standardized monitoring protocols for citizens which can be used to compare the structure and functional attributes of wetlands and their buffers.
2) To aid in the review and revision of performance criteria and design guidelines for wetlands and buffers mitigation projects.
3) To promote community stewardship of wetlands by training volunteers to monitor mitigation projects.

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	A
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	S
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	M
Secchi Transparency		Photographic Surveys	A
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	A
Hydrocarbons		Habitat Assessments	A

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Washington Wildlife Rescue Coalition

Washington Dept. of Wildlife
600 Capitol Way N
Olympia, WA 98501-1091

Phone: 206-664-8032
FAX:

Program Administration

Program Coordinator(s): Sara LaBorde
Program Affiliate(s):
Year Founded: 1989 Staff: 1.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: √ Foundation: √ Dues: 0
Federal: 0 Corporate: √ Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Washington Wildlife Rescue Coalition is a coalition of state agencies, industries, and organizations addressing wildlife response during oil spills. They also work on rehabilitation efforts in oil spills.

Environment	# Stations Sampled	# Waterbodies
■ Estuary/Marine	NA	
☐ Lake/Pond/Reservoir		
☐ River/Stream		
■ Beaches	NA	
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Washington's Citizen Lake Monitoring Project

Julie Rector, Department of Ecology
P.O. Box 47600
Olympia, WA 98504-7600

Phone: 206-407-6680
FAX: 206-407-6884

Program Administration

Program Coordinator(s): Julie Rector
Program Affiliate(s): WA Dept. of Ecology, Ambient Monitoring Section
Year Founded: 1989 Staff: 1.0 Active Volunteers: 75

Total Funding

Approx. Annual Budget: $ 100,000

Percent Funding By Source

State: 40 Federal: 60 Foundation: 0 Corporate: 0 Dues: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	70	70
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 6

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BW	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	S
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	S	Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

This program started in 1989 with 49 lakes and 55 volunteers. The number of lakes monitored each year depends on the budget.

All volunteers measure Secchi depth and temperature at their site every two weeks from mid-May through mid-October and complete a questionnaire on lake and watershed issues. Some volunteers also measure dissolved oxygen and pH.

Volunteer data are used in the state's 305(b) report. The data are also being used for developing a water quality standard for phosphorus in lakes and for ranking lakes in order of their need for eutrophication management.

Monitoring equipment is provided by the Department of Ecology. Volunteers provide their own boats. The program is grant-funded, primarily through Clean Water Act Sections 314 (Clean Lakes Program) and 205(j).

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Water Watchers

Public Utility District No.1 of Kitsap County
Box 1989
Poulsbo, WA 98342

Phone: 206-779-7656
FAX:

Program Administration

Program Coordinator(s): Kathy Dickerson
Program Affiliate(s):
Year Founded: 1989 Staff: 2.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 32,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Water Watchers will be working with elementary schools on habitat surveys. They are also working on an EPA Environmental Education grant to produce a video on macroinvertebrate sampling for children, and creating a stream ecology badge for the Girl Scouts.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	4	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	Q	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	Q
Phosphorus		Other Bacteria	
TSS/TDS	Q	Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	Q	Rainfall	
Secchi Transparency		Photographic Surveys	A
Alkalinity		Pipe Surveys	A
Flow	Q	Watershed Mapping	A
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	S

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Allegheny National Forest River Monitoring Program

USDA Forest Service FHP
180 Canfield St.
Morgantown, WV 26505

Phone: 304-285-1544
FAX: 304-285-1505

Program Administration

Program Coordinator(s): John R. Omer
Program Affiliate(s):
Year Founded: 1993 Staff: NA Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: NA Foundation: NA Dues: NA
Federal: NA Corporate: NA Other: NA

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- □ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- □ 305(b)

School Involvement

- □ Elementary
- □ Middle/High
- □ College

Data Used By

- □ Advocacy Groups
- □ Local Government
- □ State Government
- □ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	10	10
□ Beaches		
□ Wells		
□ Wetlands		

Notes

The Allegheny National Forest Program will be initiated this year. The coordinator plans to recruit volunteers to monitor 10 rivers in the Allegheny National Forest. Sampling will be done three times a year: once in March, once in August, and once in November. Data collected will be available to the federal government and to the public. The primary use of the data will be to provide monitoring of activities such as logging and the use of pesticides and herbicides, and to establish a data bank.

A similar monitoring program for the Monongahela National Forest is planned to start in 1994.

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	X
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	X
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	X	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Back Creek River Keeper 2000

Blue Heron Environmental Network
Rt. #1 Box 362
Hedgesville, WV 25427

Phone: 304-754-8717
FAX:

Program Administration

Program Coordinator(s): Sherry Evasic
Program Affiliate(s): Blue Heron Environmental Network
Year Founded: 1991 Staff: 0.0 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 1,500

Percent Funding By Source

State: 0 Foundation: 0 Dues: 10
Federal: 0 Corporate: 85 Other: 5

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ■ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	6	5
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH	M	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	M
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen	M	Rainfall	
Secchi Transparency		Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

Notes

In April 1991 the Blue Heron Environmental Network was established for educational and scientific environmental preservation and protection. Soon after, the group organized the Back Creek River Keeper 2000 program. The organization does stream monitoring on an eight-mile stretch of the Back Creek River, using the Izaak Walton League Save Our Streams method of biological assessment as well as chemical monitoring for contaminants, in Back Creek and its tributaries. The group plans on expanding their volunteer monitoring efforts to include the entirety of the creek from the mouth at the Potomac River to the headwaters at the Virginia line, as well as ongoing wetlands studies throughout the watershed area. A complete chemical analysis is being planned for total evaluation of the creek in 1994-95.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Concerned Citizens of Alderson Glen Ray

Concerned Citizens of Alderson Glen Ray
HC 73 BF 4
Alderson, WV 24910

Phone: 304-445-7822
FAX:

Program Administration

Program Coordinator(s): Mark Blumenstein
Program Affiliate(s):
Year Founded: 1989 Staff: 0.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Concerned Citizens of Alderson Glen Ray is a watchdog group fighting a wood pressure-treating plant on the banks of the Greenbrier River. The plant was built over the community water supply.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
■ Wells	NA	
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Dunloup Watershed Project

Hilarie L. Jones
Rte. 1 Box 22
Fayetteville, WV 25840

Phone: 304-574-3717
FAX:

Program Administration

Program Coordinator(s): Hilarie L. Jones
Program Affiliate(s): Mountain Resource Conservation and Dev.
Year Founded: 1992 Staff: 3.0 Active Volunteers: 50

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	1
☐ Beaches		
■ Wells	NA	
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Greenbrier River Watershed Association

Greenbrier River Watershed Association
P.O. Box 1419
Lewisburg, WV 24901

Phone: 304-653-4722
FAX:

Program Administration

Program Coordinator(s): Leslee McCarty
Program Affiliate(s): West Virginia Save Our Streams (Izaak Walton League)
Year Founded: 1991 Staff: 0.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 2,500

Percent Funding By Source

State: 0 Foundation: 10 Dues: 90
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Greenbrier River Watershed Association is assisting the Pine Cabin Run Ecological Laboratories in conducting a 3-year baseline study on the Greenbrier River. Scientists at Pine Cabin Run labs are conducting additional testing of physical and chemical parameters and fecal coliform levels.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	5	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 9

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	S
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	A
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Lewisburg Elementary School

Lewisburg Elementary School
120 E. Fair St.
Fairlea, WV 24902

Phone: 304-647-4963
FAX:

Program Administration

Program Coordinator(s): Dan Greene
Program Affiliate(s):
Year Founded: 1991 Staff: 2.0 Active Volunteers: 40

Total Funding

Approx. Annual Budget: $ 200

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	1	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 3

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness	S	Aquatic Vegetation	S
Turbidity	S	Macroinvertebrates	S
Chlorides		Fish	S
Nitrogen	S	Coliform Bacteria	
Phosphorus	S	Other Bacteria	
TSS/TDS		Birds/Wildlife	S
BOD		Debris Cleanup	
Dissolved Oxygen	S	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Mountain Resource Conservation and Development Area / SOS

Mountain RC&D
204 1/2 W. Maple Ave.
Fayetteville, WV 25840

Phone: 304-574-3036
FAX: 304-574-0679

Program Administration

Program Coordinator(s): Marc Gaber
Program Affiliate(s): Izaak Walton League - Save Our Streams
Year Founded: 1989 Staff: 2.5 Active Volunteers: 25

Total Funding

Approx. Annual Budget: $ 3,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- ■ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- □ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- □ University Scientists
- ■ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
□ Lake/Pond/Reservoir		
■ River/Stream	12	6
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	
pH	BM	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	BM
Chlorides		Fish	
Nitrogen		Coliform Bacteria	X
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	BM	Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Nicholas County Mountaineers for Rural Progress

USDA ASCS
P.O. Box 250
Summersville, WV 26651

Phone: 304-872-1731
FAX:

Program Administration

Program Coordinator(s): Fred Williams
Program Affiliate(s): Izaak Walton League - Save Our Streams
Year Founded: 1988 Staff: 0.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	2	2
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: NA

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Nicholas County Mountaineers for Rural Progress is a small citizens group that is interested, among other things, in safeguarding the quality of the area's surface water. Water from the rivers monitored serves as drinking water for the area. The group has found that the quality of the water is degraded due to coal particles and raw sewage found in the river.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Potomac Headwaters RC&D

Potomac Headwaters RC&D
1446-2 Edwin Miller Blvd.
Martinsburg, WV 25401

Phone: 304-267-8953
FAX:

Program Administration

Program Coordinator(s): Roger L. Boyer
Program Affiliate(s): Save Our Streams - Izaak Walton League
Year Founded: 1969 Staff: 2.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 47,000

Percent Funding By Source

State: 64 Foundation: 4 Dues: 3
Federal: 22 Corporate: 6 Other: 1

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ◧ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Data collected are sent to the Izaak Walton League Save Our Streams program. The water quality monitoring program is a small part of a much larger and extremely diverse program.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	24	12
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Troop 69 Boy Scouts of America

John E. Wagoner
HC 86 Box 43-B
Springfield, WV 26763

Phone: 304-298-4303
FAX:

Program Administration

Program Coordinator(s): John E. Wagoner
Program Affiliate(s): Izaak Walton League of America - Save Our Streams
Year Founded: 1991 Staff: 6.0 Active Volunteers: 16

Total Funding

Approx. Annual Budget: $ 0

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	2	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	Q
Turbidity		Macroinvertebrates	Q
Chlorides		Fish	Q
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	Q
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

West Virginia Mountain Stream Monitors

West Virginia Mountain Stream Monitors
264 High Street
Morgantown, WV 26505

Phone: 304-296-8611
FAX: 304-296-8623

Program Administration

Program Coordinator(s): Richard di Pretoro
Program Affiliate(s):
Year Founded: 1982 Staff: 1.0 Active Volunteers: 5

Total Funding

Approx. Annual Budget: $ 15,000

Percent Funding By Source

State: 0 Foundation: 90 Dues: 10
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Other parameters tested, besides those noted at left, are acidity and sulfates.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	NA
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	
Turbidity		Macroinvertebrates	X
Chlorides	X	Fish	X
Nitrogen	X	Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	X	Pipe Surveys	
Flow	X	Watershed Mapping	
Salinity		Sediment Assessments	
Metals	X	Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

West Virginia Save Our Streams

WVDEP - Office of Water Resources
1201 Greenbrier Street
Charleston, WV 25311

Phone: 304-558-2108
FAX: 304-558-5905

Program Administration

Program Coordinator(s): Michael A. Arcuri
Program Affiliate(s):
Year Founded: 1989 Staff: 3.0 Active Volunteers: 70

Total Funding

Approx. Annual Budget: $ 30,000

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 60 Corporate: 0 Other: 40

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ■ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ■ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	100	50
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	BM	Pesticides	
pH	BM	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	BM
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	BM
Flow		Watershed Mapping	A
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	BM

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Brown County Adopt-A-Waterway

Dotty Juengst
UW-Green Bay ES317
Green Bay, WI 54311-7001

Phone: 414-465-2240
FAX: 414-465-2376

Program Administration

Program Coordinator(s): Dotty Juengst
Program Affiliate(s): University of Wisconsin Extension
Year Founded: 1991 Staff: 2.0 Active Volunteers: 600

Total Funding

Approx. Annual Budget: $ 5,000

Percent Funding By Source

State: 8 Foundation: 80 Dues: 0
Federal: 0 Corporate: 10 Other: 2

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	10	6
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 2

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	S	Macroinvertebrates	S
Chlorides		Fish	
Nitrogen	S	Coliform Bacteria	S
Phosphorus	S	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	S	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	S	Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	S

Notes

The Brown County Adopt-A-Waterway project is a monitoring/education program in Green Bay area schools. The program also meets educational objectives of the Green Bay Remedial Action Plan and the East River Priority Watershed Project. Six hundred students monitor stream sites during fall and spring field trips. The project is a multi-agency, multi-group effort.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Dane County WaterWatchers

Dane County Extension
57 Fairgrounds Dr.
Madison, WI 53713-1497

Phone: 608-266-4106
FAX: 608-266-9054

Program Administration

Program Coordinator(s): Mindy Habecker, Karin Van Vlack
Program Affiliate(s):
Year Founded: 1990 Staff: 2.0 Active Volunteers: 30

Total Funding

Approx. Annual Budget: $ 20,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Dane County WaterWatchers has trained many citizens in how to monitor streams.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	7	5
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH	X	Chlorophyll	
Hardness	X	Aquatic Vegetation	X
Turbidity		Macroinvertebrates	X
Chlorides	X	Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen	X	Rainfall	
Secchi Transparency	X	Photographic Surveys	X
Alkalinity	X	Pipe Surveys	X
Flow		Watershed Mapping	X
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable; but number not given

Lac LaBelle Monitoring Program

Lac LaBelle Management District
P.O. Box 511
Oconomowoc, WI 53066

Phone: 414-567-5947
FAX: 414-567-5948

Program Administration

Program Coordinator(s): Lisa Conley
Program Affiliate(s): Wisconsin Self-Help Lake Monitoring Program
Year Founded: 1988 Staff: 0.0 Active Volunteers: 3

Total Funding

Approx. Annual Budget: $ NA

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Lac LaBelle Management District has three volunteer Secchi disk monitors for three major basins of the lake. The monitors work in conjunction with the Wisconsin Self-Help Lake Monitoring Program.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	3	1
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

LoonWatch

LoonWatch
Northland College
Ashland, WI 54806

Phone: 715-682-1223
FAX:

Program Administration

Program Coordinator(s): Terry Daulton
Program Affiliate(s): Sigurd Olson Environmental Institute
Year Founded: 1978 Staff: 1.5 Active Volunteers: 750

Total Funding

Approx. Annual Budget: $ 63,000

Percent Funding By Source

State:	0	Foundation:	10	Dues:	80
Federal:	0	Corporate:	10	Other:	0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	NA	350
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Since 1978, LoonWatch has been soliciting information on the distribution and reproductive success of common loons on lakes in Wisconsin. Each year, volunteers observe loon activity on one or a number of lakes of their choice during the ice-free season and fill out standardized lake monitoring forms, which are returned to LoonWatch. An annual report summarizing the year's data is produced and sent to all participants. Every five years, 225 pre-selected lakes are surveyed for loons during a one-day count. The five-year-interval survey allows LoonWatch to make an estimate of the statewide population and determine trends in the size of the population. The annual survey provides more comprehensive information on individual lakes, which is useful in recommendations for protective actions. In 1989, LoonWatch was expanded to include Minnesota. LoonWatch assists in an annual non-random survey coordinated by the MNDNR and coordinates volunteers for a periodic population monitoring program in MN. Volunteers in two states also assist in education programming.

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NA - Not Available or Not Applicable √ - Applicable, but number not given

Sea Scout

Sinnissippi Squadron, BSA
P.O. Box 100
Zenda, WI 53195-0100

Phone: 414-249-4955
FAX: 414-249-0733

Program Administration

Program Coordinator(s): William H. Sills, IV
Program Affiliate(s): Geneva Lake Environmental Agency
Year Founded: NA Staff: 2.0 Active Volunteers: 12

Total Funding

Approx. Annual Budget: $ 1,000

Percent Funding By Source

State: 0 Foundation: 10 Dues: 40
Federal: 0 Corporate: 10 Other: 40

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ■ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ■ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

Sinnissippi Squadron, BSA, actively aids agencies involved in marine environmental and safety issues. The group also surveys for zebra mussel populations.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	6	3
☐ River/Stream		
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 5

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	X	Pesticides	
pH		Chlorophyll	X
Hardness		Aquatic Vegetation	X
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency	X	Photographic Surveys	X
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Stream Improvement

Dan Kohler
1520 Ojibwa Lane
Plover, WI 54467

Phone: 715-341-3781
FAX: 715-341-1907

Program Administration

Program Coordinator(s): Dan Kohler
Program Affiliate(s): Bill Cook Chapter, Izaak Walton League
Year Founded: 1956 Staff: 0.0 Active Volunteers: 15

Total Funding

Approx. Annual Budget: $ 250

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ☐ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ☐ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ■ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ☐ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The Bill Cook Chapter of the Izaak Walton League has an ongoing stream improvement project on the Tomorrow River in Portage County, Wisconsin. The project consists of instream habitat and bank cover work. Over the years the stream has become very wide and shallow. The main objective of the group is to narrow the stream and increase the flow of water. They also put in structures for fish habitat.

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	1	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Testing the Waters

Testing the Waters, c/o Riveredge Nature Center
P.O. Box 26
Newburg, WI 53060

Phone: 414-675-6888
FAX: 414-375-2714

Program Administration

Program Coordinator(s): Terrie Cooper
Program Affiliate(s): Riveredge Nature Center
Year Founded: 1990 Staff: 1.0 Active Volunteers: 1,000

Total Funding

Approx. Annual Budget: $ 15,000

Percent Funding By Source

State: 50 Foundation: 40 Dues: 0
Federal: 0 Corporate: 10 Other: 0

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ■ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ■ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
■ Lake/Pond/Reservoir	4	1
■ River/Stream	40	4
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 2

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	S	Pesticides	
pH	S	Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	S	Macroinvertebrates	S
Chlorides		Fish	S
Nitrogen	S	Coliform Bacteria	S
Phosphorus	S	Other Bacteria	
TSS/TDS	S	Birds/Wildlife	
BOD	S	Debris Cleanup	A
Dissolved Oxygen	S	Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity	S	Pipe Surveys	
Flow	S	Watershed Mapping	A
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

Residents of Southeastern Wisconsin face a major environmental problem involving the Milwaukee River watershed. A consortium of public and private organizations have jointly developed and are executing a comprehensive pilot program dedicated to educating teachers and students in grades 9-12 about local surface water, groundwater, nonpoint source pollution, and pollution abatement issues.

Currently, 36 high school classes are monitoring streams in the Milwaukee River watershed for 10 water quality parameters. Each class is responsible for monitoring an area of the river close to their school. The data collected are entered into a computer database.

Organizations involved in this venture include: Riveredge Nature Center, Department of Natural Resources, Milwaukee River Priority Watershed Program, Milwaukee County Extension, Schlitz Audubon Center, Havenwoods Environmental Awareness Center, Wehr Nature Center/Extension, and the Milwaukee Metropolitan Sewage District.

Funding for the program comes from a Department of Natural Resources Local Assistance Grant for Nonpoint Pollution, the Milwaukee Foundation, and the Miller Brewing Company.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Wisconsin Self-Help Lake Monitoring Program

Wisconsin Dept. of Natural Resources - WR/2
P.O. Box 7921
Madison, WI 53707

Phone: 608-266-8117
FAX: 608-267-2800

Program Administration

Program Coordinator(s): Jo Temte, Celeste Moen
Program Affiliate(s): Wisconsin DNR
Year Founded: 1986 Staff: 10.0 Active Volunteers: 500

Total Funding

Approx. Annual Budget: $ 70,000

Percent Funding By Source

State: 100 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 0

Data Used For

- ■ Watershed Planning
- ■ Local Decision Making
- □ Research
- □ Nonpoint Assessment
- □ Problem ID
- ■ Education
- ■ Habitat Restoration
- □ Water Classification/Stds
- □ Enforcement
- ■ Legislation
- ■ 305(b)

School Involvement

- □ Elementary
- ■ Middle/High
- □ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ■ University Scientists
- ■ Federal Government

Environment	# Stations Sampled	# Waterbodies
□ Estuary/Marine		
■ Lake/Pond/Reservoir	500	500
■ River/Stream	62	NA
□ Beaches		
□ Wells		
□ Wetlands		

Months In Sampling Season: 7

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	M	Pesticides	
pH		Chlorophyll	M
Hardness		Aquatic Vegetation	X
Turbidity		Macroinvertebrates	
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus	M	Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	M	Rainfall	X
Secchi Transparency	BW	Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	
Metals		Site Inspections	
Hydrocarbons		Habitat Assessments	

Notes

The Self-Help Lake Monitoring Program is the result of a partnership between involved citizens and the Wisconsin DNR inaugurated in 1986. Over 500 volunteers participate statewide. Volunteers observe and document if and how the water quality of a lake changes over time by measuring water clarity with a Secchi disc. This simple procedure can provide a "pulse" on the health of a lake, crucial for long-range planning.

After participating in the Self-Help program for one year, a volunteer may choose to take on additional responsibility by becoming a Trophic Status Index (TSI) volunteer. TSI volunteers collect data on water temperature, phosphorus, and chlorophyll in addition to Secchi depth. This information is then used to determine the trophic state of the lake. A small group of Expanded Self-Help volunteers measure all the TSI parameters, plus dissolved oxygen.

In 1992, the Self-Help Lake Monitoring Program added a zebra mussel monitoring program. Volunteers now monitor over 60 lake stations and over 60 river stations for zebra mussels.

A Eurasian Milfoil Watch program will be added in 1994.

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Wolf River Outdoor Center

George Steed
1142 Fifth Avenue
Antigo, WI 54409

Phone: 715-627-7186
FAX:

Program Administration

Program Coordinator(s): George Steed, Charles Steed
Program Affiliate(s):
Year Founded: 1965 Staff: 2.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ☐ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ☐ Education
- ■ Habitat Restoration
- ☐ Water Classification/Stds
- ■ Enforcement
- ■ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ☐ College

Data Used By

- ■ Advocacy Groups
- ■ Local Government
- ■ State Government
- ☐ University Scientists
- ☐ Federal Government

Notes

The group monitors the Wolf River, Peshtigo River (Roaring Rapids section), and Red River (below Gresham Dam).

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	NA	3
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 8

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature		Pesticides	
pH		Chlorophyll	
Hardness		Aquatic Vegetation	
Turbidity	X	Macroinvertebrates	
Chlorides		Fish	X
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	X
BOD		Debris Cleanup	X
Dissolved Oxygen		Rainfall	
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow		Watershed Mapping	
Salinity		Sediment Assessments	X
Metals		Site Inspections	X
Hydrocarbons		Habitat Assessments	X

D - Daily W - Weekly BW - Biweekly M - Monthly BM - Bimonthly Q - Quarterly S - Semiannual A - Annual X - Other
NA - Not Available or Not Applicable √ - Applicable, but number not given

Wolf River Refuge Monitoring

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Program Administration

Program Coordinator(s): Robert Obst, Colleen Hayes
Program Affiliate(s):
Year Founded: 1992 Staff: 1.0 Active Volunteers: NA

Total Funding

Approx. Annual Budget: $ 100

Percent Funding By Source

State: 0 Foundation: 0 Dues: 0
Federal: 0 Corporate: 0 Other: 100

Data Used For

- ☐ Watershed Planning
- ■ Local Decision Making
- ■ Research
- ☐ Nonpoint Assessment
- ■ Problem ID
- ■ Education
- ☐ Habitat Restoration
- ☐ Water Classification/Stds
- ☐ Enforcement
- ☐ Legislation
- ☐ 305(b)

School Involvement

- ☐ Elementary
- ☐ Middle/High
- ■ College

Data Used By

- ■ Advocacy Groups
- ☐ Local Government
- ☐ State Government
- ■ University Scientists
- ☐ Federal Government

Notes

Environment	# Stations Sampled	# Waterbodies
☐ Estuary/Marine		
☐ Lake/Pond/Reservoir		
■ River/Stream	1	1
☐ Beaches		
☐ Wells		
☐ Wetlands		

Months In Sampling Season: 12

Sampled Parameter	Schedule	Sampled Parameter	Schedule
Water Temperature	Q	Pesticides	
pH	Q	Chlorophyll	
Hardness	Q	Aquatic Vegetation	
Turbidity	Q	Macroinvertebrates	Q
Chlorides		Fish	
Nitrogen		Coliform Bacteria	
Phosphorus		Other Bacteria	
TSS/TDS		Birds/Wildlife	
BOD		Debris Cleanup	
Dissolved Oxygen	Q	Rainfall	Q
Secchi Transparency		Photographic Surveys	
Alkalinity		Pipe Surveys	
Flow	Q	Watershed Mapping	
Salinity		Sediment Assessments	
Metals	Q	Site Inspections	
Hydrocarbons		Habitat Assessments	

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