

***Directory of
Volunteer Monitoring Programs in the
Great Lakes Region***

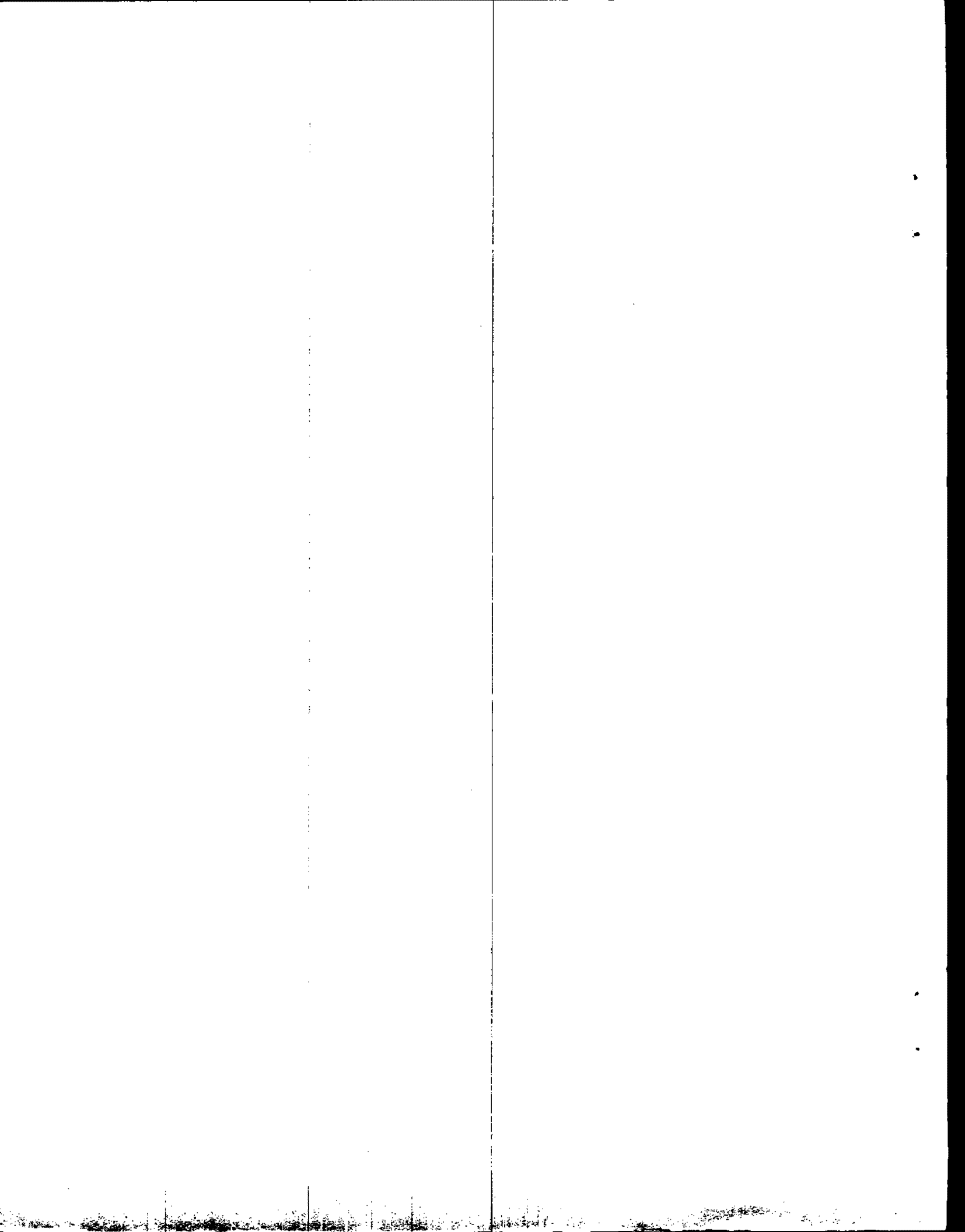
***Excerpts from the Fifth Edition of the National Directory of
Volunteer Environmental Monitoring Programs***

Eleanor Ely, editor

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ILLINOIS

Cache River Watershed RiverWatch and Wetlands Frog/Toad Survey (1995)

Cypress Creek National Wildlife Refuge, 0137 Rustic Campus Rd., Ullin, IL 62992

ph 618-634-2231 • fax 618-634-9656 • email Jones_Liz@mail.fws.gov

Coordinator Elizabeth Jones

RIVER/STREAM, WETLAND, FLOODPLAIN Volunteers 16, + 3 teachers/60 students

Phys/chem water temp., pH, DO, flow/water level Biological macroinvert., wildlife Other activities debris cleanup, restoration (tree planting) Data users our program Data uses educ., research, community organizing, estab. baseline conditions Funding sources fed. and state gov't Affiliation Illinois RiverWatch Network; Illinois Dept. of Natural Resources; Southern Illinois University

Cache River Watershed RiverWatch volunteers participate in the Illinois DNR-sponsored RiverWatch by collecting macroinvertebrates in five streams within the Cache River Wetlands. This program is part of a statewide network to monitor water and stream quality. Cache River Wetlands volunteers collect frog and toad data along three survey routes. This data will provide an inventory on species and is part of a long-term monitoring program.

Conservation Foundation/DuPage Rivercare (1990)

105404 Knoch Knolls Rd., Naperville, IL 60565

ph 630-428-4500; 630-790-4900 • fax 630-790-1071 • email consfoun@ais.net

Coordinators Anne Marie Smith; Steve Leonard

RIVER/STREAM, LAKE/POND Volunteers 50 teachers/6,000 students

Phys/chem water temp., pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus, TSS/TDS, chloride, salinity, alkalinity, flow/water level Biological macroinvert., fish, habitat assessments Other activities storm drain stenciling, restoration (streambank) Data users our program, local gov't Data uses educ., research Funding sources state and local gov't, donations, grassroots fundraising

DuPage Rivercare, a partnership between The Conservation Foundation and the Forest Preserve District of DuPage County, provides opportunities for classes to monitor water quality, stabilize streambanks, protect the DuPage River watershed from development and nonpoint source pollution, and develop and implement small-scale improvement plans for sections of the river.

Freeport High School ForestWatch and RiverWatch (1997)

701 W. Moseley St., Freeport, IL 61032-4938

ph 815-235-0400

Coordinators Pete Jackson; Marylin Lisowski; Kurt D. Schilling; Chuck Wheeler

RIVER/STREAM, LAND Volunteers 1, + 1 teacher/47 students

Phys/chem water temp., turbidity, flow/water level Biological macroinvert., exotic/invasive spp. Other activities photo surveys, human use surveys Data users our program, state and local gov't, univ. scientists Data uses educ., research, community organizing, screen for problems, estab. baseline conditions Funding sources school budget Annual budget ~\$50 Affiliation Illinois RiverWatch; PLAN-IT

Freeport High School's RiverWatch program collects and evaluates macroinvertebrates in a local stream. ForestWatch studies the ecology of forest trees (type and size), invertebrates, and reptiles over time.

Friends of the Chicago River/Chicago River Schools Network (1993)

407 S. Dearborn, Suite 1580, Chicago, IL 60605

ph 312-939-0490 • fax 312-939-0931 • email FRIENDS@CHICAGORIVER.ORG •

Web fileroom.aaup.uic.edu/friends

Coordinator Chris Parson

RIVER/STREAM Volunteers 15 teachers/450 students

ILLINOIS

Phys/chem water temp., pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus Biological macroinvert., habitat assessments Other activities debris cleanup

Chicago River Schools Network acts as a facilitator for teachers. Most of our teachers are involved with either the Rivers Project at Southern Illinois University-Edwardsville or the Illinois DNR's EcoWatch program Plan-It Earth.

Friends of the Fox River (1991)

Box 1314, Crystal Lake, IL 60039-1314

ph 815-477-7643; 847-426-1322 • fax 815-477-8256 • email swick@mc.net

Coordinator Gary Swick

RIVER/STREAM Volunteers 74, + 16 teachers/480 students

Phys/chem water temp., pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus, TSS/TDS, flow/water level
Biological macroinvert., habitat assessments Other activities debris cleanup, storm drain stenciling, restoration Data users our program, state gov't Data uses educ., estab. baseline conditions, state 305(b) report Funding sources fed. and state gov't, memberships, donations, grassroots fundraising Annual budget ~\$500

Friends of the Fox River is an educational organization that seeks to create a watershed of caretakers. Our primary activities include a monitoring network, Fox rescue cleanup, newsletters, and educational support and presentations.

Illinois EcoWatch Network/Illinois RiverWatch (1995)

524 S. Second St., Springfield, IL 62704-1787

ph 217-785-5409; 312-201-0652 • fax 217-524-4199; 312-201-0653 • email ctap2@dnrmil.state.il.us •

Web dnr.state.il.us/inringif.htm

Coordinators Ben Barber; Dana Curtiss

RIVER/STREAM, WETLAND, LAND Volunteers 800, + 200 teachers/6,000 students

Phys/chem water temp., turbidity, flow/water level, erosion, substrate type, embeddedness Biological macroinvert., habitat assessments, aquatic veg., algal cover, canopy cover Other activities debris cleanup, stream channel morph., restoration (bank stabilization) Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., advocacy, research, screen for problems, estab. baseline conditions, watershed planning, plan restoration, state 305(b) report Funding sources fed. and state gov't Annual budget ~\$500,000

Illinois RiverWatch is the stream monitoring component of the Illinois EcoWatch Network, a volunteer initiative coordinated through the Illinois Department of Natural Resources. RiverWatch Citizen Scientists conduct biological, physical, and chemical monitoring and stream habitat surveys on wadeable Illinois streams. Data collected by certified Citizen Scientists is submitted to a statewide database used by the scientific community and others to gauge long-term trends in ecosystem health. EcoWatch Network monitoring programs also include forest, wetland, prairie, and urban ecosystems.

Illinois EPA Volunteer Lake Monitoring Program (1981)

Bureau of Water, Planning Section, 1021 No. Grand Ave., East, POB 19276, Springfield, IL 62794-9276

ph 217-782-3362 • fax 217-785-1225 • email epa1128@epa.state.il.us

Coordinators Rex Buhrmester; Amy Burns

LAKE/POND Volunteers 293

Phys/chem rainfall, Secchi, nitrogen, phosphorus, TSS/TDS Biological chlorophyll, aquatic veg., exotic/invasive spp. (*Dreissina polymorpha*) Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, land use decisions, watershed planning, plan restoration, legislation, state 305(b) report Funding sources fed. and state gov't Annual budget ~\$150,000

Illinois Valley Community College/Rivers Curriculum Project and EcoWatch Monitoring (1993)

815 N. Orlando Smith Ave., Oglesby, IL 61348-9692

ph 815-224-2720 • fax 815-224-3033 • email Byrne@ivcc.edu • Web www.ivcc

Coordinators Robert Byrne; Jeff Carver; Tim Horger; Mike Phillips

RIVER/STREAM Volunteers 15

Phys/chem water temp., pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus, TSS/TDS, conductivity, flow/water level Biological macroinvert., bacteria, fecal coliform Data users our program, community org's Data uses educ., screen for problems, estab. baseline conditions, enforcement Funding sources donations, grant (ACS) Affiliation Rivers Curriculum Project, Southern Illinois University; Illinois EcoWatch

Illinois Valley Community College monitors the Little Vermilion River. We have used the Rivers Curriculum Project for the last four years and have just begun Illinois EcoWatch monitoring.

Lake County Forest Preserve District/Wildlife Monitors

Ryerson Conservation Area, 21950 Riverwoods Rd., Deerfield, IL 60015

ph 847-948-7753 ext. 212 • fax 847-948-7712

Coordinator Tom Smith

RIVER/STREAM Volunteers 50, + 2 teachers/10 students

Biological terrestrial veg., birds, wildlife, exotic/invasive spp. (buckthorn, garlic mustard) Other activities debris cleanup, restoration (preserve stewardship)

Lake County Forest Preserve District monitors wildlife including sandhill cranes, bluebirds, wood ducks, frogs, bats, butterflies, and plants. We also conduct an orchid recovery project and monitor streams.

Lake Wildwood Association/Stream Monitoring (1995)

RR 2 Box 1875, Varna, IL 61375

ph 309-463-2047 • fax 309-463-2047 • email Phelps@dave-world.net

Coordinator Robert A. Phelps

RIVER/STREAM Volunteers 1

Phys/chem water temp., rainfall, pH, flow/water level Biological macroinvert. Data users our program, community org's, state gov't Data uses estab. baseline conditions, nonpoint source assessment, plan restoration, swimming advisories Funding sources state gov't Annual budget \$0 Affiliation Illinois Department of Natural Resources

Lake Wildwood Association monitors water quality using physical aspects of the stream and effects on macroinvertebrates.

Natural Area Guardians (1995)

10655 North 2300 Ave., Geneseo, IL 61254

ph 309-441-5314

Coordinator Dorothy K. Brown

RIVER/STREAM Volunteers 7

Phys/chem water temp., turbidity, flow/water level, sedimentation, bank stability Biological macroinvert., terrestrial veg. Data users state gov't Data uses research Funding sources memberships Affiliation Illinois EcoWatch Network; Illinois RiverWatch; Henry County Soil and Water Conservation District

Natural Area Guardians collect ecological data used by scientists to monitor long-term trends in ecosystem health. Our volunteer monitoring consists primarily of stream habitat and biological surveys, and is coordinated by the Illinois Department of Natural Resources and Illinois River Watch, a program of the Illinois EcoWatch Network.

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Openlands Project (1996)

220 S. State St., Room 1880, Chicago, IL 60604-2103

ph 312-427-4256 ext. 242 • fax 312-427-6251 • email OPENLANDS@AOL.COM

Coordinator Kent Taylor

RIVER/STREAM Volunteers 15

Phys/chem water temp., flow/water level **Biological** macroinvert., fish, habitat assessments **Other** activities restoration (bank stabilization) **Data** users our program, community org's, fed., state, and local gov't **Data** uses educ., advocacy, estab. baseline conditions, watershed planning, plan restoration **Annual** budget \$0 **Affiliation** Illinois Riverwatch

Openlands Project monitors Prairie, Grant, Jackson, and Tyler Creeks in Midewin National Tallgrass Prairie.

Red Hill High School/Illinois EcoWatch Network Stream Monitoring (1995)

c/o Brian R. Garrard, 908 Church St., Bridgeport, IL 62417

ph 618-945-2521 • email bgarrard@red.lawrenc.k12.il.us

Coordinators Ben Barber; Dana Curtiss

RIVER/STREAM Volunteers 1 teacher/8 students

Phys/chem water temp., turbidity **Biological** macroinvert., habitat assessments, aquatic veg., terrestrial veg., exotic/invasive spp. **Data** users state gov't **Data** uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration, enforcement, legislation **Funding** sources state gov't, school budget **Affiliation** Illinois Department of Natural Resources; Illinois EcoWatch Network

Red Hill High School conducts stream assessment as part of the Illinois EcoWatch Network.

Rivers Project (1990)

Southern Illinois University at Edwardsville, Box 2222, Edwardsville, IL 62026-2222

ph 618-692-2446 • fax 618-692-3359 • email rivers@siue.edu • Web www.siue.edu/OSME/river

Coordinator Dr. Robert Williams

RIVER/STREAM, GROUNDWATER Volunteers 3,000 teachers

Phys/chem water temp., pH, DO, BOD, turbidity, phosphorus, hardness, flow/water level **Biological** macroinvert., exotic/invasive spp. (zebra mussels) **Other** activities debris cleanup, storm drain stenciling **Data** users our program, state gov't **Data** uses educ., screen for problems **Funding** sources fed., state, and local gov't, foundations, businesses, University budget **Annual** budget ~\$40,000 **Affiliation** Southern Illinois University at Edwardsville

The Rivers Project is an integrated, multi-dimensional science, social studies, mathematics, and language arts project developed to introduce water quality dimensions and the study of rivers into the nation's high schools. Training is accomplished through workshops or week-long summer sessions where new teachers interact with participants from the existing network of "Rivers Project" schools. A river watch network, tied together via the Internet and World Wide Web, provides a technological framework and access to the Project's activities and data.

Watershed Appreciation Through Education and Research (W.A.T.E.R.) (1998)

1635 John St., Sycamore, IL 60178-1099

ph 815-899-3939 • fax 815-895-0022

Coordinator Anita Nelson

RIVER/STREAM Volunteers 15

Phys/chem rainfall, flow/water level **Biological** macroinvert., fish **Other** activities debris cleanup, debris monitoring, photo surveys, restoration (stream, wetland, prairie) **Affiliation** Kishwaukee Partnership

W.A.T.E.R., founded in response to 1996 flooding, is now training citizens to monitor the Kishwaukee River. We are also conducting a fish study with supporting macroinvertebrate data collection, as a follow-up to a recent Department of Natural Resources study. We address issues of agriculture (we studied swine spill effects and held a mini-conference for farmers) and increasing development pressures. Our new Blue Heron Outdoor School will involve students in local stream, wetland, and prairie restoration efforts.

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Also active in Illinois:

Bird Studies Canada/Marsh Monitoring Program (see listing in Canada)

*Heidelberg College Water Quality Laboratory/Cooperative Private Well Testing Program
(see listing in Ohio)*

Ohio River Valley Water Sanitation Commission (ORSANCO) RiverWatchers (see listing in Ohio)

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Adopt-A-Stream - See Huron River Watershed Council

AuSable North Branch Area Association (1960)

5031 N. River Rd., Freeland, MI 48623

Coordinator Charles E. Wheeler

RIVER/STREAM Volunteers 9

Other activities debris cleanup Data users our program Data uses educ., screen for problems, watershed planning, plan restoration, legislation Funding sources memberships, donations Annual budget ~\$1,000

AuSable North Branch Area Association monitors the North Branch of the AuSable River to watch for any attempt to damage the quality of this river.

Betsie River Restoration Committee (1992)

Box 8, Thompsonville, MI 49683

ph 616-378-2619

Coordinator Ray C. Kadlec

RIVER/STREAM Volunteers 20

Other activities debris cleanup, restoration Data users our program, community org's, local gov't, univ. scientists Data uses educ., community organizing, plan restoration, enforcement Funding sources local gov't, businesses, donations, grassroots fundraising

The Betsie River Restoration Committee is involved in riverbank restoration to prevent sand erosion affecting fish reproduction. We conduct ongoing visual monitoring of banks.

Calvin Christian High School Honors Biology (1995)

c/o Roger Blatt, Biology Department, Grandville, MI 49418

email rblatt@remc8.k12.mi.us

Coordinators Roger Bratt; Michael Hoekwater

RIVER/STREAM Volunteers 2 teachers/12 students

Phys/chem water temp., pH, DO, TSS/TDS, conductivity, flow/water level Biological macroinvert., bacteria Data users our program Data uses educ., advocacy, screen for problems, estab. baseline conditions Funding sources school budget Annual budget ~\$150

Calvin Christian High School presents an introduction to water monitoring to 10th grade students.

Chocolay River Watershed Project

Marquette Co. Soil & Water Conservation District, 1030 Wright St., Marquette, MI 49855

ph 906-226-9460 • fax 906-228-4484 • email lindq@mail.portup.com • Web www.portup.com/~lindq/

Coordinators Carl Lindquist; Justin Savu

RIVER/STREAM Volunteers 25

Phys/chem water temp., flow/water level, substrate (sand, gravel), river width & depth Biological macroinvert., fish Other activities debris cleanup, stream channel morph., storm drain stenciling, construction site inspec., restoration (thalwegzation) Data users our program, fed. gov't Data uses educ., research, screen for problems, estab. baseline conditions, watershed planning, plan restoration Funding sources fed., state, and local gov't, foundations, donations

The Chocolay River Watershed Project protects and restores the waters of the Chocolay Watershed and Lake Superior.

Clinton River Watershed Council/Student Volunteer Monitoring Program (1991)

1970 E. Auburn Rd., Rochester Hills, MI 48307-4803

ph 248-853-9580 • fax 248-853-0486

Coordinator Jim Bull

RIVER/STREAM Volunteers 20, + 25 teachers/850 students

Phys/chem water temp., pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus, TSS/TDS, chloride, flow/water level Biological macroinvert., bacteria, fecal coliform Other activities debris cleanup, land use surveys, photo surveys, storm drain stenciling Data users our program, community org's, local gov't, univ. scientists Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, watershed planning, plan restoration Funding sources local gov't, foundations, businesses, memberships, donations Affiliation GREEN

Clinton River Watershed Council student participants monitor Clinton River and tributaries for nine water quality index tests, pollution tolerance index (macroinvertebrates), and chlorides twice yearly.

Elk-Skegemog/Three Lakes Associations (1982)

P.O. Box 353, Alden, MI 49612-0353

ph 616-322-4088 • fax 616-322-4088

Coordinator W. G. Weiss

RIVER/STREAM, LAKE/POND Volunteers 6

Phys/chem water temp., DO, Secchi, phosphorus Biological chlorophyll Data users our program, local gov't Data uses educ., advocacy, screen for problems, nonpoint source assessment, land use decisions, watershed planning Funding sources memberships, donations Annual budget ~\$15 Affiliation Tip of the Mitt Watershed Council

The Elk-Skegemog/Three Lakes Associations monitor five lakes and three rivers and have an associated lakeshore program.

Father Marquette Middle School Service Learning (1997)

414 W. College, Marquette, MI 49855

ph 906-226-7912

Coordinators Karen Schmitt; Jackie Wright

RIVER/STREAM Volunteers 2, + 2 teachers/20 students

Phys/chem water temp., rainfall, pH, DO, nitrogen, phosphorus, flow/water level Biological macroinvert. Other activities debris cleanup, land use surveys Data users our program Data uses educ., advocacy, screen for problems, estab. baseline conditions, nonpoint source assessment, land use decisions, watershed planning Funding sources grant Annual budget ~\$100

Father Marquette Middle School Service Learning studies and monitors Whetstone and Orianna watersheds in Marquette County.

Forum for Kalamazoo County River Partners Program/Davis Creek Watershed Project (1995)

217 Monroe St., Kalamazoo, MI 49006-4434

ph 616-337-7002 • fax 616-337-7257 • email theforum@kzoo.edu

Coordinator Marc Elliott

RIVER/STREAM Volunteers 12

Phys/chem water temp., pH, BOD, nitrogen, phosphorus, TSS/TDS, conductivity, chloride, hardness, metals, flow/water level Biological habitat assessments, bacteria, fecal coliform Other activities debris cleanup, land use surveys, pipe surveys, photo surveys, human use surveys, stream channel morph., storm drain stenciling, restoration (bank stabilization), creek watch hotline Data users our program, community org's, state and local gov't Data uses educ., advocacy, community organizing, screen for problems, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration, enforcement, state 305(b) report Funding sources fed., state, and local gov't, foundations, businesses, donations, grassroots fundraising Annual budget ~\$8,000

The River Partners Program seeks to engage citizens and local governments in cooperative watershed protection through voluntary partnerships focused upon watershed management, drainage control,

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riparian corridor preservation, land use planning, and nonpoint source pollution prevention. We are a federal Clean Water Act-funded, Section 319 project of the Michigan Department of Environmental Quality.

Friends of the Detroit River/Detroit River Current (1996)

P.O. Box 3099, Melvindale, MI 48122-3099

ph 313-381-2835 • fax 313-381-8164

Coordinators Jeannine P. Ansley; Tom Leonard; Jane Mackey

RIVER/STREAM, WETLAND, MARINE, AIR, LAND Volunteers 12

Phys/chem toxicity Other activities debris cleanup, human use surveys, storm drain stenciling, restoration Funding sources donations, grassroots fundraising Annual budget \$0 Affiliation Michigan Environmental Council

Friends of the Detroit River monitors the Detroit River watershed.

Friends of the Jordan River Watershed/Jordan River Water Quality Monitoring Program (1997)

P.O. Box 971, Bellaire, MI 49615-0971

ph 616-533-5063 • fax 616-533-5063 • email foj@freeway.net • Web www.torchlake.com/foj

Coordinator John Hummer

RIVER/STREAM Volunteers 5 teachers/100 students

Phys/chem water temp., DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS Biological macroinvert., bacteria, fecal coliform Other activities debris cleanup, photo surveys Data users our program, community org's Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, watershed planning Funding sources Michigan State University Annual budget ~\$1,000

Friends of the Jordan River Watershed kicked off, in Spring 1997, a program in which local students collect water quality data on the Jordan River and its main tributaries. The Jordan River was the first to be designated wild and scenic under Michigan's 1972 Natural Rivers Act. The watershed, benefiting from a long, successful tradition of conservation and preservation, has a high degree of biodiversity, including forested land, unfragmented headwaters, intact riparian zones, and continuous greenbelts and ecologic corridors.

Friends of McCoy's Creek (1992)

306 Liberty, Buchanan, MI 49107

ph 616-695-4413

Coordinators Scott King; David Young

RIVER/STREAM Volunteers 50, + 5 teachers/300 students

Biological fish, habitat assessments, wildlife Other activities debris cleanup, debris monitoring, land use surveys, human use surveys Data users our program, community org's, local gov't Data uses educ., advocacy, community organizing, screen for problems, land use decisions, watershed planning, plan restoration, enforcement Funding sources businesses, memberships, donations Annual budget ~\$300

Friends of McCoy's Creek cleans and monitors McCoy's Creek, one of southwestern Michigan's finest trout/salmon streams.

Friends of Northeast Michigan Ecosystems (1992)

16350 N. County Rd. 459, Hillman, MI 49746-7952

ph 517-742-3520

Coordinators Robert Farner; Steve Swan; James A. Zavislak

RIVER/STREAM, WETLAND, GROUNDWATER, AIR, LAND Volunteers 100, + 2 teachers/2 students

Phys/chem water temp., pH, DO, nitrogen, phosphorus, alkalinity, flow/water level Biological macroinvert., fish, aquatic veg., phytoplankton, shellfish, birds, wildlife, exotic/invasive spp. (lamprey, zebra mussels) Other activities debris cleanup, debris monitoring, photo surveys, human use surveys, stream channel morph., restoration (erosion control), sand traps Data users our program, community org's, fed.,

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state, and local gov't, univ. scientists **Data uses** educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, land use decisions, watershed planning, plan restoration, enforcement, legislation **Funding sources** fed. and state gov't, foundations, memberships, donations **Annual budget** ~\$10,000 **Affiliation** National River Networks

Friends of Northeast Michigan Ecosystems works on two watershed areas in the lower peninsula of northeastern Michigan: Upper Black River and Thunder Bay River Watersheds. We work to maintain good water quality and good fisheries and recreation. We work on erosion control projects, sediment trap installation to improve aquatic species and water quality, and wildlife and endangered species habitat programs.

Friends of the Rouge/Rouge Education Project (REP) (1987)

220 Bagley Ave, 950 Michigan Bldg, Suite 950, Detroit, MI 48226-1412
ph 313-961-4099 • fax 313-961-4018 • email stacey@igc.org • Web www.motor-city.com/rouge
Coordinators Kristin Bojesen; Stacey Hoffer

RIVER/STREAM, LAND Volunteers 150 teachers/5,000 students

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS, flow/water level
Biological macroinvert., habitat assessments, bacteria, fecal coliform **Other activities** debris cleanup, debris monitoring, land use surveys, pipe surveys, photo surveys, human use surveys **Data users** our program, community org's, fed. gov't, univ. scientists **Data uses** educ., research, community organizing, screen for problems, nonpoint source assessment **Funding sources** fed. gov't, foundations, businesses, memberships **Annual budget** ~\$200,000

The Rouge Education Project is in approximately 100 elementary, middle and high schools throughout metropolitan Detroit. We use the Rouge River watershed as a laboratory for students to learn about their local environment. Students conduct chemical, physical, and biological tests of water quality. They become scientists as they sample the river, collect data, analyze and interpret results, and determine and implement feasible solutions to problems they uncover. This information is shared with other classrooms via the Internet, to decrease gaps between city, suburban, and rural schools, to allow students to see the bigger picture as they compare results in different areas of the Rouge, and to enhance their technological skills.

Friends of the St. Joe River Association, Inc. (1998)

P.O. Box 354, Athens, MI 49011
ph 616-729-5174 • fax 616-729-5045 • email algs@net-link.net • Web www.fotsjr
Coordinator Gaye Blind

RIVER/STREAM

Phys/chem water temp. **Biological** macroinvert., fish, habitat assessments, bacteria, aquatic veg., exotic/invasive spp. **Other activities** debris cleanup **Data users** our program, community org's, state and local gov't **Data uses** educ., research, community organizing, estab. baseline conditions, nonpoint source assessment **Funding sources** grants

Friends of the St. Joe River Association is setting up a program in which schools and local chapters will clean, sample, and monitor streams throughout the watershed, which drains over 4,600 square miles of wetlands. Our Website includes a map of the area we plan to monitor.

Global Rivers Environmental Education Network (GREEN)

206 South 5th Ave., Suite 150, Ann Arbor, MI 48104
ph 734-761-8142 • fax 734-761-4951 • email green@green.org • Web www.econet.apc.org/green
Coordinator Keith Wheeler

RIVER/STREAM

Phys/chem water temp., rainfall, pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus, TSS/TDS, metals, hydrocarbons, pesticides, toxicity, flow/water level **Biological** macroinvert., habitat assessments, bacteria, aquatic veg., terrestrial veg. **Other activities** land use surveys, human use surveys, storm drain stenciling **Funding sources** fed. gov't, foundations, businesses, memberships, donations, grassroots fundraising, catalogue sales

GREEN is an action-oriented approach to education, based on an interdisciplinary watershed

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education model. We work closely with educational and environmental organizations, community groups, and businesses across the U.S. and in over 130 countries to support local efforts in watershed education. We produce the "Field Manual for Water Quality Monitoring" and seven other publications.

Grand Traverse Bay Watershed Initiative/Water Watch (1994)

1102 Cass St., Suite B, Traverse City, MI 49684

ph 616-935-1514 • fax 616-922-4633 • email GTBWI@traverse.com •

Web gamstcweb.gisd.k12.mi.us/centers/grand.html

Coordinator Bill Queen

RIVER/STREAM, LAKE/POND, WETLAND, LAND Volunteers 35 teachers/1,000 students

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS, flow/water level
Biological macroinvert., habitat assessments, bacteria, exotic/invasive spp. Other activities debris cleanup, land use surveys, photo surveys, human use surveys, storm drain stenciling, restoration, community information Data users our program Data uses educ., screen for problems Funding sources foundations, grassroots fundraising, math science center Annual budget ~\$50,000 Affiliation GREEN

Water Watch's primary purpose is to increase awareness of water resource issues in our region. We use water as a medium to stimulate interest in the study of math, science, and technology.

Grand Valley State University Water Resources Outreach Education Program (1986)

GVSU Water Resources Institute, 1 Campus Dr., Allendale, MI 49401-9403

ph 616-895-3749 • fax 616-895-3864 • email vailj@gvsu.edu • Web www.gvsu.edu

Coordinator Janet Vail

RIVER/STREAM, LAKE/POND, GROUNDWATER, LAND Volunteers 100 teachers/6,000 students

Phys/chem water temp., pH, DO, Secchi, turbidity, conductivity, flow/water level Biological macroinvert., habitat assessments, bacteria, exotic/invasive spp. (zebra mussels) Other activities land use surveys, photo surveys, human use surveys Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration Funding sources fed. and state gov't, foundations, businesses, donations

The GVSU Water Resources Institute monitors watersheds through our EPA and state projects as well as Lake Michigan through our K-12 program. Two vessels specially designed for student monitoring operate from April to October. Some tests are done on board and others sent to our analytical laboratory.

GREEN - See Global Rivers Environmental Education Network

Huron River Watershed Council/Adopt-A-Stream (1992)

1100 North Main, Suite 210, Ann Arbor, MI 48105

ph 734-769-5971

Coordinators Joan Martin; Mary Wiland

RIVER/STREAM Volunteers 200

Phys/chem water temp., conductivity, flow/water level Biological macroinvert., habitat assessments Other activities stream channel morph. Data users our program, community org's, state and local gov't, univ. scientists Data uses educ., advocacy, community organizing, screen for problems, estab. baseline conditions, land use decisions, watershed planning Funding sources fed., state, and local gov't, foundations, memberships Annual budget ~\$50,000

Huron River Watershed Council's Adopt-a-Stream program conducts biomonitoring and identifies physical characteristics of sites on creeks and the river throughout the Huron River watershed. We identify macroinvertebrates to family level, surveying every April and September on a single day, and looking for winter stoneflies in January. We now monitor 40 sites and are adding more. Volunteers are adults, some with children; teachers participate, then do similar activities with classes. Volunteers put on a festival in March. Three creeks have developed community protection teams that educate the public and advise on land-use planning.

Inland Seas Education Association (ISEA)/Schoolship Program (1989)

P.O. Box 218, Suttons Bay, MI 49682-0218

ph 616-271-3077 • fax 616-271-3088 • email isea@traverse.com • Web www.schoolship.org

Coordinators Tom Kelly; Mark Mitchell

LAKE/POND, WETLAND, BEACH, AIR Volunteers 115, + 170 teachers/5,744 students

Phys/chem water temp., pH, DO, Secchi, conductivity, weather, atmosphere Biological macroinvert., fish, aquatic veg., exotic/invasive spp. (spiny water flea, threespine stickleback, zebra mussel), zooplankton Other activities debris cleanup Data users our program, community org's, state and local gov't Data uses educ., research, screen for problems, estab. baseline conditions, watershed planning Funding sources foundations, businesses, memberships, donations, grassroots fundraising Annual budget ~\$300,000

The Schoolship Program is an experiential science curriculum for middle and high school students. Since 1989, over 30,000 students have monitored Grand Traverse Bay and Lake Michigan. The student-collected data represents the largest continuous record of physical and biological information on Grand Traverse Bay. Student monitoring has documented the invasion of exotic species including the threespine stickleback and zebra mussel.

Kawkawlin River Watershed Property Owners Association/Volunteer Monitoring Program (1997)

113 E. Elm St., Auburn, MI 48611

ph 517-662-6761 • fax 517-662-0240 • email mkelly@tardis.svsu.edu

Coordinator Mike Kelly

RIVER/STREAM, URBAN DRAINS Volunteers 22

Phys/chem water temp., rainfall, pH, BOD, Secchi, nitrogen, phosphorus, TSS/TDS, flow/water level Biological bacteria, fecal coliform, aquatic veg. Other activities debris cleanup Data users our program, community org's, state and local gov't Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, land use decisions, watershed planning, plan restoration, legislation, swimming advisories Funding sources state and local gov't Annual budget ~\$10,000

Kawkawlin River Watershed Property Owners Association's Volunteer Monitoring Program was developed to continue and expand previous water quality monitoring on the Kawkawlin River as well as lay the foundation for corrective actions. Our data will be evaluated to determine general loading rates of several parameters from various sites. Our partners include the Michigan Department of Environmental Quality and the county Environmental Health Department.

Leelanau Watershed Council (1990)

Leelanau Conservancy, Box 1007, Leland, MI 49654

ph 616-256-9665 • fax 616-256-9693 • email conservancy@Leelanau.com

Coordinator Dr. Tim Keilty

RIVER/STREAM, LAKE/POND, GROUNDWATER Volunteers 10

Phys/chem water temp., rainfall, pH, DO, Secchi, nitrogen, phosphorus, conductivity, alkalinity, flow/water level Biological chlorophyll, algae Data users our program, community org's, state and local gov't, univ. scientists Data uses educ., research, community organizing, nonpoint source assessment, land use decisions, watershed planning Funding sources local gov't, donations Annual budget ~\$15,000

The Leelanau Watershed Council's monitoring program is designed to compile comprehensive data for lakes and streams, develop nutrient budgets for each lake and identify trouble spots, and inform visitors, residents, and local officials of water quality conditions.

Michigan Cooperative Lakes Monitoring Program (1974)

Michigan Dep't of Environmental Quality, P.O. Box 30458, Land & Water Management Div., Lansing, MI 48909-7958

ph 517-335-4211 • fax 517-335-4381 • email bednarzr@state.mi.us • Web www.deq.state.mi.us/wm/

Coordinators Ralph Bednarz; Pearl Bonnell

LAKE/POND, RESERVOIR Volunteers 200

Phys/chem Secchi, phosphorus Biological chlorophyll, aquatic veg., exotic/invasive spp. (zebra mussels)

MICHIGAN

Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, legislation, state 305(b) report Funding sources fed. and state gov't, memberships, participation fees Annual budget ~\$20,000 Affiliation Michigan Lake and Stream Association, Inc. (ML&SA)

The Cooperative Lakes Monitoring Program (CLMP) is a statewide volunteer monitoring program administered by the MDEQ and the ML&SA for all Michigan counties. Our goals are to: provide baseline information and document water quality trends for individual lakes; educate lake residents, users, and interested citizens in collection of water quality data, lake ecology, and lake management; and build a constituency of citizens to practice sound lake management at the local level and build public support for lake quality protection.

Michigan Lake and Stream Association & MI Dep't of Environmental Quality Self-Help Monitoring Program (1974)

P.O. Box 303, Long Lake, MI 48743

ph 517-257-3583 • fax 517-257-2073 • email mlsa@iserv.net • Web www.iserv.net/mlsa/

Coordinator Pearl E. Bonnell

RIVER/STREAM, LAKE/POND Volunteers 160

Phys/chem Secchi, phosphorus, flow/water level Biological chlorophyll, aquatic veg., exotic/invasive spp.
Funding sources state gov't Annual budget ~\$7,000

Michigan Self-Help Monitoring Program volunteers collect data on Secchi transparency, phosphorus, chlorophyll a, and aquatic plant identification. Their data become part of the state Department of Environmental Quality records. We provide statewide side-by-side quality control.

Michigan Natural Areas Council/Grand Island National Recreation Area Sensitive Vegetation Monitoring (1996)

c/o Matthaei Botanical Gardens, 1800 N. Dixboro Rd., Ann Arbor, MI 48109-9741

ph 313-461-9390 • email mnac@cyberspace.org • Web www.cyberspace.org/~mnac/

Coordinators Teresa Chase; Sylvia M. Taylor, PhD

BEACH, LAND Volunteers 15

Biological terrestrial veg., exotic/invasive spp. (spotted knapweed) Other activities photo surveys
Data users our program, fed. gov't, univ. scientists Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, land use decisions, plan restoration Funding sources fed. gov't, memberships, donations Annual budget ~\$28,400

Michigan Natural Areas Council and the United States Forest Service have set up a 3-year cooperative project to monitor sensitive vegetation in the new Grand Island National Recreation Area. Our purpose is to insure that future plans for expansion of visitor facilities will have needed information for appropriate protection of special plants and their ecosystems.

Michigan Sea Grant/Citizen's Monitoring Kit: Detecting Zebra Mussels (1995)

2M/ANS Office, Michigan State University, Room 334 Natural Resources Building, East Lansing, MI 48824-1222

ph 517-353-5508 • fax 517-353-6496 • email klep@pilot.msu.edu •

Web www.msuc.msu.edu/seagrant/sgezms.html

Coordinator Mike Klepinger

LAKE/POND Volunteers 20

Phys/chem water temp. Biological exotic/invasive spp. (zebra mussels) Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions Funding sources fed. gov't, grassroots fundraising Annual budget ~\$2,000 Affiliation Sea Grant Great Lakes Network

Michigan Sea Grant helps lakefront property owners, teachers, commercial enterprises and citizens who use lakes to track the range expansion of zebra mussels as they spread inland from the Great Lakes. Our statewide program is open to participants in all Michigan counties. We provide plankton nets and all required equipment in a kit, along with a video, notebook, and instructional materials on how to sample.

Mullett-Burt and Crooked-Pickrel Lake Watersheds Water Quality Monitoring Programs (1989)

SEE-North, 03001 Church Rd., Petoskey, MI 49770
 ph 616-348-9700 • fax 616-348-1085 • email seenorth@sunny.ncmc.cc.mi.us
 Coordinator Marty Samson

RIVER/STREAM Volunteers 4, + 10 teachers/200 students

Phys/chem water temp., pH, DO, BOD, Secchi, nitrogen, phosphorus, TSS/TDS Biological macroinvert., bacteria Data users our program, community org's Data uses educ., research, estab. baseline conditions
 Funding sources state gov't Annual budget ~\$8,000

Mullett-Burt and Crooked-Pickrel Lake Watersheds Water Quality Monitoring Programs involve teachers and students from a four-county area. Middle and high school students study their watersheds, sample local streams and rivers, collect and analyze data, and finally share the results via fax, video network, the Internet, and a day-long Water Quality Monitoring conference.

Paw Paw Lake Association, Inc./Spring Phosphorus, Secchi Disk, and Zebra Mussel Programs (1990)

P.O. Box 206, Watervliet, MI 49098
 ph 616-463-8166 • email delavan@cybersol.com
 Coordinators Ray Dlouhy; Don Garnett; Martha Garnett; Charles Pater; Delavan Sipes

LAKE/POND Volunteers 24

Phys/chem water temp., rainfall, Secchi, nitrogen, phosphorus, flow/water level, calcium Biological chlorophyll, aquatic veg., phytoplankton, exotic/invasive spp. (zebra mussels), zooplankton Data users our program, state gov't, univ. scientists Data uses educ., research, screen for problems, estab. baseline conditions, nonpoint source assessment, watershed planning, plan restoration Funding sources memberships, donations Annual budget ~\$20,000 Affiliation Michigan Lake and Stream Association

Paw Paw Lake Association volunteers collect baseline values for spring phosphorus, Secchi transparency, and rain and water level. Data is sent to our professional research programs at Western Michigan University and Phycotech. We also conduct early detection zebra mussel monitoring under a Sea Grant program.

Pere Marquette Watershed Council, Inc. (1992)

P.O. Box 212, Baldwin, MI 49304
 ph 616-745-2583 • fax 616-745-7692
 Coordinator Dick Schwikert

RIVER/STREAM, WETLAND, GROUNDWATER Volunteers 4, + 2 teachers/30 students

Phys/chem water temp., pH, DO, nitrogen, phosphorus, TSS/TDS, conductivity, hardness, flow/water level Biological macroinvert., fish, habitat assessments Other activities debris cleanup, land use surveys, human use surveys, stream channel morph., restoration (erosion control) Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., research, estab. baseline conditions, nonpoint source assessment, watershed planning, enforcement, legislation Funding sources foundations, memberships, donations, grassroots fundraising Annual budget ~\$3,000

Pere Marquette Watershed Council monitors water quality, macroinvertebrates, fish populations, streambed composition and depth, and temperatures (water and ambient) throughout the watershed.

Pigeon River Watershed Water Quality Monitoring Project (1996)

Grand Valley State University, Dept. of Biology, 245 Padnos Hall, Allendale, MI 49401-9403
 ph 616-895-2697 • fax 616-895-3412 • email macdonan@GVSU.edu
 Coordinators Neil MacDonald; Rick Rediske

RIVER/STREAM Volunteers 1 teacher/2 students

Phys/chem water temp., pH, DO, nitrogen, phosphorus, TSS/TDS, conductivity, chloride, flow/water level Biological macroinvert., fish Other activities land use surveys, photo surveys, human use surveys Data users our program, community org's, state and local gov't, univ. scientists Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration Funding sources university grant

MICHIGAN

Annual budget ~\$2,500

The Pigeon River Watershed Water Quality Monitoring Project covers specific water quality problems and trends in the Pigeon River watershed of western Ottawa County, Michigan. Our project is intended to support community efforts to protect and restore the Pigeon River through Section 319 of the Clean Water Act.

Schoolship Program - See Inland Seas Education Association

Self-Help Monitoring Program - See Michigan Lake and Stream Association & MI Dep't of Environmental Quality Self-Help Monitoring Program

Student Stream Teams of Kent County (1989)

West Middle School, 615 Turner N.W., Grand Rapids, MI 49504-5246

ph 616-771-3270 • fax 616-771-3272

Coordinator Jim Botts

RIVER/STREAM, LAKE/POND, RESERVOIR Volunteers 30 teachers/600 students

Phys/chem water temp., pH, DO, nitrogen, TSS/TDS, conductivity, flow/water level Biological macroinvert., habitat assessments, aquatic veg. Other activities debris cleanup, land use surveys, stream channel morph. Data users our program, state gov't Data uses educ., estab. baseline conditions Funding sources foundations, donations Annual budget ~\$5,000

Student Stream Teams monitor small tributaries of the Grand River. We provide educational opportunities for children to learn basic scientific inquiry, and for school staff and students to take ownership of local watersheds.

Superior Lakewatch (1991)

Michigan State University, Upper Peninsula, 702 Chippewa Square, Marquette, MI 49855-4886

ph 906-228-4830 • fax 906-228-4572 • email kinnunen@msue.msu.edu • Web www.engin.umich.edu/seagrant/

Coordinator Ron Kinnunen

LAKE/POND Volunteers 20

Phys/chem water temp., Secchi, wave and weather conditions Data users our program, univ. scientists Data uses educ., research Funding sources fed. and state gov't, foundations, businesses, donations Annual budget <\$1,000 Affiliation Michigan Sea Grant Extension

Superior Lakewatch is a volunteer monitoring program covering all of Lake Superior. Volunteers take Secchi disk measurements and water temperatures. Coordinators are located in Michigan, Wisconsin, Minnesota, and Ontario, Canada.

Tip of the Mitt Watershed Council/Volunteer Lake Monitoring Program (1984)

P.O. Box 300, Conway, MI 49722-0300

ph 616-347-1181 • fax 616-347-5928 • email ann@nature.org • Web www.nature.org

Coordinator Ann Baughman

LAKE/POND Volunteers 50

Phys/chem Secchi Biological chlorophyll Data users our program, state and local gov't Data uses educ., research Funding sources memberships, donations Annual budget ~\$7,000

The Tip of the Mitt Watershed Council's Volunteer Lake Monitoring Program involves 50 volunteers who collect water clarity measurements and chlorophyll-a concentrations on 30 area lakes in the northern lower peninsula of Michigan. Our water quality data is used to monitor long-term trends and for education.

West Michigan Environmental Action Council/Adopt-A-Stream (1991)

1432 Wealthy SE, Grand Rapids, MI 49506

ph 616-451-3051 • fax 616-451-3054 • email wmeac@iseve.net

Coordinator Tom Cary

RIVER/STREAM, LAND Volunteers 200, + 12 teachers/360 students

Biological macroinvert., fish, habitat assessments, terrestrial veg. **Other activities** debris cleanup, debris monitoring, land use surveys, stream channel morph., storm drain stenciling, restoration (streambank and instream enhancement) **Data users** our program **Data uses** educ., advocacy, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment **Funding sources** state gov't, foundations, memberships, grassroots fundraising **Annual budget** ~\$2,500 **Affiliation** Michigan Environmental Council

The West Michigan Environmental Action Council's Adopt-A-Stream program began with start-up funding from the Michigan Department of Natural Resources and the Frey Foundation. Our program focuses on adult community, civic, church, and business groups. Active middle and high school classes are also included. Groups conduct streambank cleanups, sample stream insects, inventory stream corridor conditions, and perform projects such as streambank stabilization and wildlife habitat improvements.

Wetlands Conservation Association (1991)

P.O. Box 133, Stevensville, MI 49127-0133

ph 616-429-1862

Coordinator Allan Puplis

LAKE/POND, WETLAND, BEACH Volunteers 6

Biological habitat assessments, aquatic veg., terrestrial veg., birds, wildlife, amphibians, reptiles **Other activities** debris cleanup **Data users** our program, community org's, state gov't **Data uses** educ., advocacy, enforcement **Funding sources** memberships, donations, grassroots fundraising **Annual budget** \$0

Wetlands Conservation Association's wetlands monitoring includes reviewing dredge and fill permit applications and opposing those that significantly damage wetlands. We collect bioassessment data to help defend the wetland; our data has been used in making presentations to schools. We also continue to push for county bioassessment and land use protection.

Also active in Michigan:

Bird Studies Canada/Marsh Monitoring Program (see listing in Canada)

Superior Lakewatch (see listing in Minnesota)

MINNESOTA

Adopt-a-River Program - See Minnesota Department of Natural Resources

Becker County Coalition of Lake Associations (COLA) (1991)

P.O. Box 1553, Detroit Lakes, MN 56502

ph 218-233-3709; 218-847-8032; 218-439-6894; 218-847-7502 • fax 218-847-8032 • email bfly@lakesnet.net

Coordinators Paul Bursik; Phyllis Onsgard

LAKE/POND Volunteers 21

Phys/chem water temp., Secchi, phosphorus, precipitation, lake gauge variation Biological chlorophyll

Other activities debris cleanup Data users our program, state and local gov't Data uses educ.

Funding sources local gov't, memberships Annual budget ~\$4,700 Affiliation Minnesota Lakes Association

Becker County Coalition of Lake Associations monitors in lakes. We produce an annual water monitoring report.

Big Fork River Board, Citizens Advisory Group (1994)

57565 County Road 29, Northome, MN 56661-1932

ph 218-659-4511

Coordinator Richard G. Lacher

RIVER/STREAM Volunteers 3, + 2 teachers/30 students

Phys/chem water temp., pH, DO, turbidity, nitrogen, phosphorus, conductivity Biological bacteria, fecal coliform Data users our program, community org's, state and local gov't Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning Funding sources state and local gov't, foundations, businesses, donations Annual budget ~\$1,000 Affiliation Rivers Council of Minnesota

Big Fork River Board monitors seven sites on the Big Fork River. The Board is a joint powers board that implements the river management plan written by the Citizens Advisory Group.

Big Fork Advisory Board River Watch/Littlefork-Big Falls High School (1995)

c/o John C. Thompson, 804 Main St., Littlefork, MN 56653

ph 218-278-6614 • fax 218-278-6615

Coordinator Dick Lacher

RIVER/STREAM Volunteers 4, + 2 teachers/22 students

Phys/chem water temp., pH, DO, turbidity, nitrogen, phosphorus, conductivity, flow/water level

Biological bacteria Data users our program, local gov't Data uses educ., screen for problems, land use decisions, watershed planning Funding sources state and local gov't, foundations, donations Annual budget ~\$80

Big Fork Advisory Board River Watch is a cooperative effort by two separate school districts to monitor water quality from the source of the Big Fork River to the mouth. We monitor at three sites which are tested at Bigfork High School and at four sites tested at Littlefork High School.

Carlton County Lake Assessment Program (1996)

P.O. Box 220, Carlton, MN 55718

ph 218-384-9178 • fax 218-384-9123 • email brhayden@cp.duluth.mn.us

Coordinator Brian Hayden

RIVER/STREAM, LAKE/POND Volunteers 16

Phys/chem Secchi, phosphorus Biological chlorophyll Data users state and local gov't Data uses educ., advocacy, community organizing, screen for problems, estab. baseline conditions Funding sources state and local gov't, memberships Annual budget ~\$2,500

MINNESOTA

Carlton County Lake Assessment Program is establishing water quality baseline data for lakes within our county.

Citizen Lake Monitoring Program (1973)

Minnesota Pollution Control Agency, 520 Lafayette Rd. N, St. Paul, MN 55155-4194
ph 612-282-2618; 800-657-3864 • fax 612-297-2343 • email jennifer.klang@pca.state.mn.us •
Web www.pca.state.mn.us/water/clmp.html
Coordinator Jennifer L.K. Klang

LAKE/POND, WETLAND Volunteers 800

Phys/chem Secchi Other activities human use surveys Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, land use decisions, watershed planning, plan restoration, state 305(b) report Funding sources state gov't Annual budget ~\$73,000

The MPCA Citizen Lake Monitoring Program is the longest-running volunteer lake monitoring program in the U.S. We use simple, cost-effective methods for obtaining good basic water quality information.

Cromwell-Wright Monitoring Group/Mississippi Headwaters Project (1997)

Box 7, Hwy 72 and 210, Cromwell, MN 55726
ph 218-644-3716 • fax 218-644-3992 • email LWester@CromwellWright.K12.mn.us • Web
www.informns.k12.mn.us/lwester/water
Coordinator Lori Wester

RIVER/STREAM Volunteers 20, + 1 teacher/19 students

Phys/chem water temp., pH, DO, turbidity, nitrogen, phosphorus, TSS/TDS, conductivity, flow/water level Biological macroinvert. Data users community org's Data uses educ., estab. baseline conditions, watershed planning, swimming advisories Funding sources school budget Annual budget ~\$300
Affiliation Mississippi Headwaters Board

Cromwell-Wright Monitoring Group students monitor the Tamarack River, which flows through three towns connected to the school district and eventually runs into the Mississippi.

Forest Lake WMO (1974)

21930 Forest Blvd. N., Forest Lake, MN 55025
ph 612-433-2115 • fax 612-433-4280 • email nawe@visi.com
Coordinator Curtis Sparks

RIVER/STREAM, LAKE/POND, GROUNDWATER Volunteers 10

Phys/chem water temp., rainfall, pH, DO, Secchi, nitrogen, phosphorus, TSS/TDS, conductivity, chloride, hardness, stable isotopes (hydrogen, oxygen) Biological fish, bacteria, fecal coliform, chlorophyll, aquatic veg., phytoplankton Other activities debris cleanup, debris monitoring, land use surveys, human use surveys, storm drain stenciling, construction site inspec., restoration (fishery, water quality) Data users our program, community org's, state and local gov't, univ. scientists Data uses educ., advocacy, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration, enforcement, state 305(b) report Funding sources local gov't Annual budget ~\$10,000

The Forest Lake WMO conducts routine monitoring of seven lakes and intensive monitoring for each lake on a three-year rotation. We do or have done diagnostic studies for each lake, and have conducted in-lake and tributary monitoring for five lakes. A groundwater study was done for two lakes. Citizens conduct Secchi disk monitoring on all lakes.

Grand Rapids High School/Mississippi River Watch (1996)

c/o Jon Rowe, 800 Conifer Dr., Grand Rapids, MN 55744
ph 218-326-9473 ext. 276 • fax 218-326-3100
Coordinator Jonathan Rowe

RIVER/STREAM, LAKE/POND Volunteers 1 teacher/18 students

MINNESOTA

Phys/chem water temp., pH, DO, Secchi, turbidity, nitrogen, phosphorus, conductivity Data users our program, community org's, local gov't Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, watershed planning Funding sources foundations Annual budget ~\$700 Affiliation River Watch

Grand Rapids High School monitors the Upper Mississippi River. For seven years, we have performed eight different tests with students, sampling at least five sites nine times per year. In 1996, a group of 10 students and one teacher traveled to Russia to test the Ural River.

Hennepin Conservation District/Macroinvertebrate Education and Monitoring Program (1995)

10801 Wayzata Blvd., Suite 240, Minnetonka, MN 55305-1532
ph 612-544-8572 • fax 612-544-9437 • email HCD@SKYPOINT.COM
Coordinator Connie Fortin

RIVER/STREAM Volunteers 15 teachers/900 students

Biological macroinvert. Other activities debris cleanup, land use surveys, restoration (streambank) Data users our program, community org's, fed., state, and local gov't Data uses educ., advocacy, research, screen for problems, estab. baseline conditions Funding sources state and local gov't, donations Annual budget ~\$30,000 Affiliation River Watch Network

The Hennepin Conservation District conducts macroinvertebrate monitoring with high schools and colleges, including identification to family level. We encourage river stewardship projects such as streambank restoration, cleanups, and youth congresses on rivers.

Horseshoe/Loon Lake Association LakeWatch (1990)

8242 Tamarack Trail, Eden Prairie, MN 55347
ph 612-934-6401 • fax 612-906-9638 • email david@lionshare.com
Coordinator David Voelke

LAKE/POND Volunteers 3

Phys/chem water temp., rainfall, Secchi, flow/water level Biological aquatic veg., wildlife Other activities debris cleanup, photo surveys Data users our program Data uses screen for problems, estab. baseline conditions, watershed planning Funding sources memberships, donations Annual budget ~\$25

Horseshoe/Loon Lake Association monitors water clarity, temperature, and lake level on a weekly basis from May through September. We also take daily rainfall readings and weekly loon counts during the same season.

Hubbard County Water Plan/COLA Water Monitoring Program for 1997

RR 2 - Box 261, Park Rapids, MN 56470-9518
ph 218-732-7687
Coordinator Jerry Knoblich

LAKE/POND Volunteers 25

Phys/chem water temp., Secchi, phosphorus Biological chlorophyll Data users our program, community org's, state and local gov't Data uses educ., advocacy, screen for problems, estab. baseline conditions, land use decisions, watershed planning Funding sources local gov't, memberships, Congress of Lake Associations

Hubbard County Water Plan involves 20 lake associations in testing water quality in 23 Hubbard County lakes. The purpose of this testing is to establish a long-term database for most of the county's lakes so that any trends in lake water quality may be noted and, where possible, corrective action can be taken.

Kenwood Trail Junior High/Aquatic Biology Class (1996)

19455 Kenwood Tr., Lakeville, MN 55044
ph 612-469-7157 • fax 612-469-3805 • email ABLE@MM.COM
Coordinator Daniel L. Bale

WETLAND Volunteers 1 teacher/30 students

MINNESOTA

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS, carbon dioxide
Biological macroinvert., aquatic veg., terrestrial veg., phytoplankton, shellfish, exotic/invasive spp. Other activities debris cleanup Data users state and local gov't Data uses educ. Funding sources local gov't, foundations, school budget Annual budget ~\$800 Affiliation Dakota County Environmental Education Coalition

Kenwood Trail Aquatic Biology Class conducts wetland monitoring using chemical and biotic indices.

Lake Assessment Program (1985)

Minnesota Pollution Control Agency, 520 Lafayette Rd. North, St. Paul, MN 55155-4194

ph 612-296-7217; 612-297-2343 • email steven.heiskary@pca.state.mn.us •

Web www.pca.state.mn.us/netscape.shtml

Coordinator Steven Heiskary

LAKE/POND Volunteers 75

Phys/chem water temp., rainfall, pH, DO, Secchi, turbidity, nitrogen, phosphorus, TSS/TDS, conductivity, chloride, alkalinity Biological chlorophyll, phytoplankton Other activities land use surveys Data users our program, community org's, state and local gov't Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, plan restoration, state 305(b) report Funding sources state gov't Annual budget ~\$20,000 Affiliation Minnesota Pollution Control Agency

The Lake Assessment Program works with lake associations and local government units to study their lakes and watersheds. We typically conduct one-year studies which include monitoring, data assessment, and a report on lake conditions and trends. These studies often provide a basis for protection and improvement activities. Our program is available to all counties statewide.

Lake Level Minnesota/Minnesota Department of Natural Resources (1960)

500 Lafayette Rd., St. Paul, MN 55155-4032

ph 612-296-4800 • fax 612-296-0445 • email brett.coleman@dnr.state.mn.us • Web www.dnr.state.mn.us

Coordinators Bob Potocnik; Brett Coleman

LAKE/POND, RESERVOIR Volunteers 500

Phys/chem flow/water level Data users community org's, state and local gov't, univ. scientists Data uses research, screen for problems, estab. baseline conditions, nonpoint source assessment, land use decisions, watershed planning, plan restoration, enforcement, legislation Funding sources state gov't

Lake Level Minnesota uses volunteer observers to document lake level fluctuations (or lack thereof) on a regular basis, to create permanent, credible, public lake level records. Data are used to estimate flood levels for zoning purposes, administer DNR's public waters permit program, prepare local water management plans, and model lake water quality characteristics.

Metropolitan Council/Citizen-Assisted Monitoring Program (CAMP) (1993)

Mears Park Centre, 230 East 5th St., St. Paul, MN 55101-1633

ph 612-602-1267 • fax 612-602-1130 • email randy.anhorn@metc.state.mn.us •

Web www.metrocouncil.org/home.html

Coordinator Randy Anhorn

LAKE/POND Volunteers 75

Phys/chem water temp., rainfall, DO, Secchi, nitrogen, phosphorus, flow/water level, climatological info Biological chlorophyll, aquatic veg. Other activities erosion control Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, legislation Funding sources state and local gov't Annual budget ~\$75,000

The Metropolitan Council initiated a citizen-assisted lake monitoring program (CAMP) in 1993 as an economical way to help bridge the data gaps of area lakes, provide a more complete and improved metro database, and give local decision makers a better idea of the area's water quality and assist them in understanding resources and making decisions on water quality issues.

MINNESOTA

Minnehaha Creek Watershed District (1994)

2500 Shadywood Rd., Excelsior, MN 55331-9578

ph 612-471-0590 • fax 612-471-0682 • email jhafner@minnehahacreek.org • Web www.minnehahacreek.org

Coordinators Jim Hafner; Mike Panzer

RIVER/STREAM, LAKE/POND, WETLAND, GROUNDWATER

Phys/chem water temp., rainfall, pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus, TSS/TDS, conductivity, chloride, hardness, salinity, alkalinity, flow/water level Biological bacteria, chlorophyll, aquatic veg., exotic/invasive spp. (purple loosestrife, reed canary grass) Other activities debris monitoring, stream channel morph., storm drain stenciling, construction site inspec., restoration (wetlands & lakes) Data users our program, local gov't Data uses educ., advocacy, research, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration, enforcement, legislation, swimming advisories Funding sources local gov't

Minnehaha Creek Watershed District carries out monitoring each year to track the progress of improving and protecting water quality in the 181-sq.-mile watershed in Hennepin County. Lake Minnetonka (14,000 acres) and its outlet tributary, Minnehaha Creek, are the focal points of the watershed. Volunteers now work through partnerships with other agencies, but our volunteer program will be expanding in 1998.

Minnesota Department of Natural Resources/Adopt-a-River Program (1989)

500 Lafayette Rd., St. Paul, MN 55155-4052

ph 612-297-5476 • fax 612-297-5475 • email paul.nordell@dnr.state.mn.us

Coordinator Paul Nordell

RIVER/STREAM, LAKE/POND, RESERVOIR, WETLAND, BEACH, LAND Volunteers 2,100

Other activities debris cleanup Data users our program, community org's, fed., state, and local gov't Data uses educ., advocacy, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, watershed planning, legislation Funding sources state gov't, businesses, donations Annual budget \$0

Minnesota Adopt-a-River is a self-directed floodplain cleanup program which supplies how-to assistance, free rubbish bags, gloves, and recognition after reporting of results. Information tracked includes pounds of rubbish collected, volunteer hours, and descriptions of debris found.

Minnesota Department of Natural Resources/Community Monitoring of Metro Trout Streams (1997)

1200 Warner Rd., St. Paul, MN 55106-6793

ph 612-772-7938 • fax 612-772-7977 • email annette.drewes@dnr.state.mn.us

Coordinators Annette Drewes; Lois Eberhart

RIVER/STREAM Volunteers 6, + 8 teachers/100 students

Phys/chem water temp., flow/water level Biological macroinvert., habitat assessments Data users our program, community org's, state and local gov't, univ. scientists Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration, legislation Funding sources state gov't, foundations, school budgets Annual budget ~\$80,780 Affiliation Rivers Council of Minnesota

Minnesota Department of Natural Resources works to monitor and increase community awareness about Twin Cities Metro trout streams. As urbanism continues to spread into rural areas of the Twin Cities, these streams face many threats. In order to understand the effects of growing urbanization on these trout streams, we will be monitoring changes in composition of macroinvertebrate communities over time.

Minnesota West Community and Technical Colleges (1996)

1450 College Way, Worthington, MN 56187

ph 507-372-2107 • fax 507-372-5801

Coordinator Janice Batcheller

RIVER/STREAM, LAKE/POND Volunteers 1 teacher/144 students

Phys/chem water temp., pH, DO, turbidity, nitrogen, phosphorus, conductivity, alkalinity Biological

MINNESOTA

bacteria Data users our program, local gov't Data uses educ., community organizing, screen for problems, estab. baseline conditions, watershed planning, enforcement Funding sources local gov't Annual budget ~\$600

Minnesota West Community College monitors the local lake and municipal golf course.

Minnesota Zebra Mussel Detection Program/Citizen Watch (1995)

University of Minnesota Sea Grant Program, 2305 East Fifth St., Duluth, MN 55812-1445

ph 218-726-8712 • fax 218-726-6556 • email djensen@mes.umn.edu

Coordinator Douglas Jensen

RIVER/STREAM, LAKE/POND, RESERVOIR Volunteers 33

Biological exotic/invasive spp. (zebra mussels) Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., research, estab. baseline conditions, enforcement, legislation, control/mgt Funding sources fed. gov't, donations Affiliation Great Lakes Sea Grant Network

Minnesota Zebra Mussel Detection Program volunteers are part of a regional network across Minnesota, Wisconsin, Michigan, Illinois, and Indiana, that aids in early detection in response to the recent spread of zebra mussels into the Midwest's inland lakes and rivers. We monitor lakes, reservoirs, and rivers for juvenile and adult zebra mussels by checking surfaces twice a year in nearshore areas.

Mississippi Headwaters Board/Mississippi Headwaters River Watch (1991)

303 Minnesota Ave., P.O. Box 3000, Walker, MN 56484

ph 218-547-7263 • fax 218-547-7376 • email 0999mhb@Informns.k12.mn.us •

Web www.MHBRiverWatch@dst.mn.us

Coordinator Theresa Eclov

RIVER/STREAM Volunteers 38, + 15 teachers/20 students

Phys/chem water temp., pH, DO, turbidity, nitrogen, phosphorus, TSS/TDS, conductivity, flow/water level Biological macroinvert. Other activities land use surveys Data users our program, community org's, state and local gov't, univ. scientists Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, BMP evaluation, land use decisions, watershed planning, plan restoration, enforcement, state 305(b) report Funding sources foundations, donations Annual budget ~\$100,000 Affiliation River Watch Network

The Mississippi Headwaters Board was formed in 1980 as an alternative to federal control of the first 400 miles of the Mississippi in north central Minnesota. Eight counties entered into a joint powers agreement and were mandated to preserve and protect the natural, cultural, scenic, scientific, and recreational values of the Mississippi River and nine Headwaters lakes. We discharge this responsibility through land use regulations, River Watch water quality monitoring, and information and education programs promoting river stewardship. Schools throughout the area perform the monitoring and results are used by local and regional government and the community.

Pelican River Watershed District (1988)

P.O. Box 1043, 801 Roosevelt Ave., Detroit Lakes, MN 56502

ph 218-846-0436 • fax 218-846-0437 • email rhecock@lakesnet.net

Coordinator R. D. Hecock

RIVER/STREAM, LAKE/POND, RESERVOIR, GROUNDWATER

Phys/chem water temp., rainfall, pH, DO, Secchi, turbidity, phosphorus, flow/water level Biological macroinvert., habitat assessments, chlorophyll, aquatic veg. Other activities photo surveys, stream channel morph., restoration (alum treatment) Data users our program, community org's, local gov't Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration, enforcement Funding sources state and local gov't Annual budget ~\$20,000 Affiliation Minnesota Citizen Lake Monitoring Program

Pelican River Watershed District's mission is to preserve and enhance lake water quality. We conduct 500 stream and lake observations (1,600 samples) per year and provide funds to local schools to support lake and stream monitoring and related educational activities.

MINNESOTA

Rum River Watch (1997)

Princeton Public Schools, 706 1st St., Office of Superintendent, Princeton, MN 55371
ph 612-389-6172 • fax 612-389-9142 • email annp@sherbtel.com
Coordinators Lisa Hines; Ann Pasch

RIVER/STREAM Volunteers 5, + 1 teacher/8 students

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, conductivity Biological macroinvert. Other activities debris cleanup, land use surveys Data users our program, fed., state, and local gov't Data uses educ., research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, swimming advisories, state 305(b) report Funding sources foundations
Annual budget ~\$1,000 Affiliation Rivers Council of Minnesota

Rum River Watch tests the Rum River at Princeton and will start testing the St. Francis River where it enters the Sherburne National Wildlife Refuge. Our results on the Rum will be compared to those in Milaca to our north and Anoka to our south.

School of Environmental Studies/River Monitoring Program (1997)

Independent School District 196, 12155 Johnny Cake Ridge Rd., Apple Valley, MN 55124
ph 612-431-8750 • fax 612-435-8755
Coordinators Tom Goodwin; Jane Tunseth

RIVER/STREAM, LAKE/POND Volunteers 6 teachers/200 students

Phys/chem water temp., pH, DO, Secchi, nitrogen, phosphorus Biological macroinvert., fish, habitat assessments, aquatic veg., terrestrial veg. Other activities debris cleanup Data users our program, local gov't Data uses educ., screen for problems, estab. baseline conditions, nonpoint source assessment, land use decisions Funding sources local gov't Annual budget ~\$200

The School of Environmental Studies program is part of a county-wide water monitoring series.

St. Louis River Watch (1992)

320 W. 2nd St., Suite 704, Duluth, MN 55802
ph 218-723-4953 • fax 218-723-4727 • email heidi.bauman@pca.state.mn.us
Coordinator Heidi Bauman

RIVER/STREAM Volunteers 8 teachers/80 students

Phys/chem water temp., DO, BOD, nitrogen, phosphorus Biological macroinvert. Other activities stream channel morph., storm drain stenciling Data users our program, community org's Data uses educ., advocacy, community organizing Funding sources state gov't Annual budget \$0 Affiliation Minnesota Pollution Control Agency; St. Louis River Citizens Action Committee

St. Louis River Watch works with students and teachers to incorporate River Watch concepts into existing science curriculum.

St. Thomas Academy/Environmental Studies Class (1993)

949 Mendota Heights Rd., St. Paul, MN 55120
ph 612-454-4570 • fax 612-454-4574 • email BIOJOE@ETA.K12.MN.US
Coordinator Joe Reymann

RIVER/STREAM, LAKE/POND Volunteers 1 teacher/15 students

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS Biological macroinvert. Other activities storm drain stenciling Data users our program, community org's, local gov't Data uses educ., advocacy, research, screen for problems, estab. baseline conditions, nonpoint source assessment Funding sources local gov't

St. Thomas Academy's Environmental Studies Class conducts water quality studies for the Mendota Heights City Council, Dakota County Urban Lawn Care Program, Minnesota Valley National Wildlife Refuge, Dodge Nature Center, and Pagel Pond Neighborhood Association.

MINNESOTA

Superior Lakewatch (1991)

c/o Great Lakes Aquarium, 6008 London Rd., Duluth, MN 55804

ph 218-525-2265 • fax 218-525-2827 • email staff@lakesuperiorcenter.org

Coordinators Elaine Rusciki; Jay Sandal

LAKE/POND Volunteers 60

Phys/chem water temp., Secchi, nitrogen, phosphorus, TSS/TDS **Biological** chlorophyll, algal taxonomy

Data users our program, univ. scientists **Data** uses educ., research, screen for problems **Funding**

sources foundations **Affiliation** Great Lakes Aquarium at Lake Superior Center

Superior Lakewatch is an international citizen-based monitoring program for the nearshore waters of Lake Superior, operating in Minnesota, Wisconsin, Michigan, and Ontario, Canada.

Also active in Minnesota:

Bird Studies Canada/Marsh Monitoring Program (see listing in Canada)

Citizen Lake Monitoring Network (see listing in Wisconsin)

NEW YORK

Basha Kill Area Association (1997)
P.O. Box 154, Westbrookville, NY 12785-0154
ph 914-754-0725 • email gette@frontiernet.net
Coordinator Linda Gette

WETLAND Volunteers 5

Phys/chem water temp., rainfall, pH, DO, turbidity, nitrogen, flow/water level Biological bacteria, fecal coliform Other activities debris cleanup Data users our program Data uses educ., advocacy, screen for problems, estab. baseline conditions, nonpoint source assessment Annual budget ~\$2,000
Affiliation Audubon Society of New York Water Watch

Basha Kill Area Association started a new project in 1997 to establish baseline data for the largest freshwater wetland in southeastern New York.

Boquet River Association (BRASS)

Essex County Government Center, Box 217, Elizabethtown, NY 12932
ph 518-873-3688 • fax 518-873-6550
Coordinators Dennis Kalma; Robin Ulmer

RIVER/STREAM, LAKE/POND, LAND Volunteers 10

Phys/chem water temp., rainfall, pH, DO, BOD, Secchi, phosphorus, TSS/TDS, conductivity Biological macroinvert., habitat assessments, shellfish, exotic/invasive spp. (Eurasian milfoil) Other activities land use surveys, stream channel morph., restoration (erosion control, fish habitat enhancement) Data users our program, fed., state, and local gov't Data uses advocacy, research, estab. baseline conditions, nonpoint source assessment, BMP evaluation, plan restoration Funding sources fed., state, and local gov't, foundations, memberships, donations

The Boquet River Association has studied sediment embeddedness throughout the watershed for 5 years; has conducted macroinvertebrate studies vis-à-vis embedded and non-embedded reaches; has studied native mussel populations; conducts some baseline water monitoring; and owns and operates a laboratory certified by NYS Department of Health for potable, wastewater, and environmental water testing.

Building Watershed Bridges

Institute of Ecosystem Studies, Box R, Millbrook, NY 12545-0178
ph 914-677-7646 • fax 914-677-6455 • email cheom@ecostudies.org •
Web www.usgs.gov/education/ HUDSON/index.html
Coordinator Martha Cheo

RIVER/STREAM, LAKE/POND, WETLAND Volunteers 20, + 24 teachers/3,000 students

Phys/chem water temp., pH, DO, nitrogen, phosphorus, TSS/TDS, chloride, alkalinity, flow/water level Biological macroinvert., habitat assessments, bacteria Other activities land use surveys, pipe surveys, photo surveys, human use surveys, restoration Data users our program, community org's, state and local gov't Data uses educ., screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, watershed planning, plan restoration, swimming advisories Funding sources fed., state, and local gov't, foundations, businesses, memberships, donations, grassroots fundraising Affiliation Hudson Basin River Watch

Building Watershed Bridges is a collaboration of schools and resource partners in the Mid-Hudson Valley. We share program models, curricula, watershed information, and resources, and provide professional development for teachers and resource organization staff. Student activities include field experiences, design and implementation of stewardship projects, and data sharing among schools. Each resource partner may also be engaged in doing their own monitoring and restoration programs.

NEW YORK

Canandaigua Lake Watershed Task Force (1993)

480 N. Main St., Canandaigua, NY 14424

ph 716-396-1450; 716-394-6822 • fax 716-394-0377

Coordinator Robin Evans

RIVER/STREAM, LAKE/POND Volunteers 8, + 10 teachers/250 students

Phys/chem water temp., rainfall, pH, DO, Secchi, turbidity, nitrogen, phosphorus, TSS/TDS, chloride, salinity, flow/water level Biological macroinvert., bacteria, chlorophyll, aquatic veg. Other activities photo surveys Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration, enforcement, legislation, swimming advisories, advocacy Funding sources local gov't, foundations, donations, grassroots fundraising Annual budget ~\$40,000

The Canandaigua Lake Watershed Task Force has several program components: in-lake monitoring by Finger Lakes Community College, stream monitoring for baseline and event conditions by SUNY Brockport, and macroinvertebrate sampling by volunteers and schoolchildren on over 30 tributaries to Canandaigua Lake, a 16.5-square-mile lake in a 174-square-mile watershed in the Western Finger Lakes.

Catskill Center for Conservation and Development/Streamwatch Program (1997)

Route 28, Arkville, NY 12406

ph 914-586-2611 • fax 914-586-3044 • email cccd@catskill.net • Web www.catskillcenter.org

Coordinator M. J. Reiss

RIVER/STREAM Volunteers 20, + 9 teachers/300 students

Phys/chem water temp., pH, DO, turbidity, flow/water level, water color Biological macroinvert. Other activities debris cleanup, stream channel morph. Data users our program Data uses educ. Funding sources foundations

The Catskill Center for Conservation and Development uses water quality assessment in streams to give 4th-7th grade students a better understanding and appreciation of local resources. Sites include Catskill Creek (a tributary of the Hudson River) and two streams that enter New York City reservoirs: Esopus Creek and the east branch of the Delaware River.

Central New York Watershed Consortium/East Syracuse Minoa High School Environmental Science Classes (1988)

6400 Fremont Rd., East Syracuse, NY 13057

ph 315-656-7242 • email WRBeal6607@AOL.COM

Coordinator William R. Beal

RIVER/STREAM Volunteers 1 teacher/45 students

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS, flow/water level Biological macroinvert. Data users our program, community org's Data uses educ., community organizing, screen for problems, nonpoint source assessment Annual budget ~\$300 Affiliation Izaak Walton League of America

The Central New York Watershed Consortium monitors three sites on Butternut Creek demonstrating nonpoint source runoff, and three sites on Limestone Creek which bracket two sewage treatment plants and demonstrate point source pollution.

Citizens Statewide Lake Assessment Program (CSLAP) (1986)

NYS Dept of Env. Conserv., Division of Water, 50 Wolf Rd., Albany, NY 12233-3508

ph 518-457-0734 • fax 518-485-7786 • email scott.kishbaugh@gw.dec.state.ny.us •

Web ourworld.compuserve.com/homepages/nys_lakes

Coordinator Scott A. Kishbaugh

RIVER/STREAM, LAKE/POND, RESERVOIR, BEACH Volunteers 1,100

Phys/chem water temp., pH, DO, Secchi, nitrogen, phosphorus, TSS/TDS, chloride Biological chlorophyll, aquatic veg. Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline

conditions, land use decisions, watershed planning, state 305(b) report Funding sources fed., state, and local gov't, memberships Annual budget ~\$125,000

CSLAP is a statewide lake, pond, and reservoir monitoring and assessment effort involving two state agencies, a statewide umbrella group of about 300 lake associations, county and local government, and private citizens of all backgrounds, all working together to better manage and understand the outstanding water resources of New York State.

Coalition to Save Hempstead Harbor/Citizens' Water Monitoring Program (1992)

247 Sea Cliff Ave., Sea Cliff, NY 11579

ph 516-759-3832 • fax 516-759-3832

Coordinator Carol DiPaolo

ESTUARY Volunteers 4, + 5 teachers/40 students

Phys/chem water temp., rainfall, pH, DO, Secchi, turbidity, nitrogen, salinity, flow/water level Biological fish, phytoplankton, birds Other activities debris cleanup, debris monitoring Data users our program, community org's, state and local gov't Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, watershed planning, plan restoration, enforcement Funding sources memberships, donations, grassroots fundraising Annual budget ~\$25,000

The Coalition to Save Hempstead Harbor's Water Monitoring Program was developed to get the public actively involved in monitoring harbor conditions and reporting suspected sewage discharges and other violations. Our purpose is to educate about issues affecting the harbor and Long Island Sound. We have established collaborative relationships with state and local public officials and environmental agencies. We participate in the International Coastal Cleanup, are working to map Long Island Sound monitoring stations, and will be publishing an environmental guidebook to Hempstead Harbor. We monitor three stations weekly from May through November.

Community Water Watch Program (1998)

Monroe County Department of Health, P.O. Box 92832, 111 Westfall Rd., Rochester, NY 14692-8932

ph 716-274-8440 • fax 716-274-6098 • email mbrazda@mcls.rochester.lib.ny.us

Coordinators Margit Brazda; Todd Stevenson

RIVER/STREAM

Phys/chem water temp., Secchi, turbidity, flow/water level, stream width/depth, color, odor, erosion Biological macroinvert., habitat assessments, aquatic veg., terrestrial veg., birds, wildlife, exotic/invasive spp. Other activities debris monitoring, land use surveys, human use surveys, storm drain stenciling Funding sources state and local gov't, donations Affiliation Rochester Embayment Remedial Action Plan

The Community Water Watch Program is in the final planning stages, assisted by an active volunteer task group. We have prepared a volunteer monitoring manual, brochure, and training materials.

Cornell Lab of Ornithology/Birds in Forested Landscapes (1997)

159 Sapsucker Woods Rd., Ithaca, NY 14850

ph 607-254-2446 • fax 607-254-2415 • email forest_birds@cornell.edu • Web birds.cornell.edu

Coordinators Sara Barker; Jim Lowe

WETLAND, LAND Volunteers 1,700

Biological birds, wildlife, exotic/invasive spp. (Brown-headed Cowbird) Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., research, land use decisions Funding sources foundations, donations

Birds in Forested Landscapes links volunteer birders, land managers, and professional biologists in a study of habitat requirements of seven species of forest thrushes and two accipiters (Cooper's and Sharp-shinned Hawks). Our findings will be used to develop management recommendations for conserving forest birds and their habitats. These recommendations will become part of the North American Bird Conservation Plan, being developed by Partners in Flight. Our goal is to determine which specific habitat and landscape features are associated with successful breeding populations of forest thrushes and hawks.

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Cornell Lab of Ornithology/Cerulean Warbler Atlas Project (1997)

159 Sapsucker Woods Rd., Ithaca, NY 14850

ph 607-254-2446 • fax 607-254-2415 • email forest_birds@cornell.edu • Web birds.cornell.edu

Coordinator Sara Barker

WETLAND, LAND Volunteers 170

Biological birds Data users our program, community org's, fed., state, and local gov't, univ. scientists

Data uses educ., research, land use decisions, legislation **Funding sources** fed. gov't

The Cerulean Warbler Atlas Project was designed to determine the population status and habitat and area requirements of the Cerulean Warbler, a high-priority Neotropical migratory bird. Volunteer birders and professional biologists survey known and potential breeding sites. Results will be used to develop a detailed map of Cerulean Warbler populations in each of 29 states and two Canadian provinces in the Northeast and Midwest, as well as suggested land-management guidelines to enhance regional populations. All occupied sites will be plotted on topographic maps and data on habitat, landscape characteristics, and land ownership will be compiled and entered in a GIS database.

Cornell Lab of Ornithology/Cornell Nest Box Network (1997)

159 Sapsucker Woods Rd., Ithaca, NY 14850

ph 607-254-2482 • fax 607-254-2415 • email CNBN@cornell.edu • Web birds.cornell.edu

Coordinators Colleen DeLong; Tracey Kast; Pixie Senesac

LAKE/POND, WETLAND, LAND Volunteers 700, + 31 teachers

Biological birds Data users our program, community org's, univ. scientists **Data uses** educ., research

Funding sources foundations, donations, participant fees **Annual budget** ~\$300,000

The Cornell Nest Box Network (CNBN) is an educational research program and a partnership between citizen scientists throughout North America and Cornell University scientists. Participants monitor nest boxes and send data to the Cornell Lab of Ornithology. Data are analyzed and results shared with participants, conservation groups, and the scientific community. Current studies involve clutch size, nest-site selection, feathers used in nests, and calcium requirements of cavity-nesting birds.

Cornell Lab of Ornithology/Project FeederWatch (1987)

159 Sapsucker Woods Rd., Ithaca, NY 14850

ph 607-254-2440; 800-843-2473 • fax 607-254-2415 • email birdeducation@cornell.edu • Web birds.cornell.edu

Coordinator Margaret A. Barker

AIR, LAND Volunteers 11,000; + 1,000 teachers

Biological birds Data users our program, univ. scientists **Data uses** educ., research, watershed planning

Funding sources businesses, memberships, donations

Project FeederWatch participants monitor birds by counting the kinds and numbers that come to their feeders. They contribute data via data forms or over the Internet. Our goals include gathering long-term data on feeder birds across North America.

Cornell Lab of Ornithology/Project PigeonWatch (1987)

159 Sapsucker Woods Rd., Ithaca, NY 14850

ph 607-254-2440; 800-843-2473 • fax 607-254-2415 • email birdeducation@cornell.edu • Web birds.cornell.edu

Coordinator Margaret A. Barker

AIR, LAND Volunteers 200, + 200 teachers

Biological birds Data users our program, univ. scientists **Data uses** educ., research, land use decisions

Funding sources businesses, memberships, donations

Project PigeonWatch participants are urban youth who are introduced to both birds and science through helping scientists research questions such as: Why do pigeons come in so many different colors?

Freeport High School/Baywatch (1990)

South Brookside Ave., Freeport, NY 11520-0801

ph 516-867-5356 • fax 516-867-5376

Coordinator Roger Gennari

WETLAND Volunteers 1, + 1 teacher/75 students

Phys/chem water temp., pH, phosphorus, salinity, sulfates, carbon dioxide, nitrates Other activities debris cleanup Data users our program Data uses educ., research Annual budget \$0

Freeport High School's Marine Science classes take weekly water samples and air and water temperature readings in the tidal flow region between Woodcleft Canal (a highly developed commercial area) and the bay. By analyzing the samples for chemical parameters and coliform bacteria, we hope to learn more about the ecosystem and its reactions to human activities, and to measure water quality and discharge complicity.

Friends of the Tivoli Bays (1988)

Rd #3 Box 46C, Red Hook, NY 12571-9437

ph 914-758-1582 • fax 914-758-1582

Coordinator Warren D. Bloomfield

RIVER/STREAM, ESTUARY, WETLAND, MARINE, LAND Volunteers 4

Other activities debris cleanup, debris monitoring, photo surveys, construction site inspec. Data users community org's, fed., state, and local gov't Data uses educ., land use decisions, watershed planning, enforcement Funding sources donations, grassroots fundraising Annual budget ~\$300

Friends of the Tivoli Bays is an environmental watch group established in response to a proposed county ash landfill at the headwaters of one of the Hudson River's largest undisturbed freshwater wetland habitats. We perform visual monitoring, debris cleanups, and photographic surveys to be used in general education, generating public pressure to foster effective protection policies, and documenting a variety of environmental insults. We also participate in relevant public hearings and advocate for access to outdoor recreation, activities, and programs for people with disabilities.

Great Neck Public Schools/Pollution Patrol (1976)

345 Lakeville Rd., Great Neck, NY 11020-1639

ph 516-773-1463 • fax 516-773-8357

Coordinator Robert D. Abrams

LAKE/POND, ESTUARY, BEACH Volunteers 10 teachers/200 students

Phys/chem water temp., pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus, chloride, salinity Biological fish, bacteria, chlorophyll, phytoplankton Other activities debris cleanup, debris monitoring Data users our program, community org's, local gov't Data uses educ., estab. baseline conditions Funding sources school budget Annual budget ~\$500 Affiliation New York State Marine Education Assn; National Marine Educators Assn

Great Neck Public Schools high school students measure salinity, turbidity, dissolved oxygen, and temperature of the Long Island Sound surrounding Great Neck. Elementary school students, supervised by faculty and high school students, identify and collect debris along parts of Great Neck's shoreline.

H.C. Crittenden Middle School/RiverWatch Project (1991)

10 MacDonald Ave., Armonk, NY 10504

ph 914-273-4250 • fax 914-273-4618

Coordinator Christine Pecora

RIVER/STREAM, GROUNDWATER Volunteers 24, + 1 teacher/105 students

Phys/chem water temp., pH, DO, turbidity, nitrogen, phosphorus, chloride, alkalinity, carbon dioxide, ammonia Biological macroinvert., phytoplankton Other activities land use surveys, photo surveys, human use surveys, storm drain stenciling, community awareness Data users our program, community org's, local gov't Data uses educ., research, screen for problems, estab. baseline conditions, nonpoint source assessment Funding sources donations, school budget Annual budget ~\$2,000

The HCC RiverWatch Project involves students and community volunteers who monitor water quality

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of 14 sites on four rivers in three sub-watersheds within the Long Island Sound watershed. Students perform 10 physical/chemical tests each month and an annual macroinvertebrate and diatom inventory. We cosponsor an Annual Community Water Testing Day giving residents an opportunity to test their wells' drinking water. Data is presented annually by students to the North Castle Conservation and Town Boards. We have received local, regional, and national awards.

Lower Esopus River Watch (1992)

P.O. Box 130, Cottekill, NY 12419-0130

ph 914-687-0267 • fax 914-687-0520 • email RFRITS@AOL.COM

Coordinators Renee Danboise Lohre; R. Dixon Onderdonk

RIVER/STREAM, LAKE/POND, RESERVOIR, WETLAND, GROUNDWATER, LAND

Volunteers 30, + 4 teachers/50 students

Phys/chem water temp., rainfall, pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus, TSS/TDS, conductivity, chloride, hardness, salinity, alkalinity, metals, hydrocarbons, pesticides, toxicity, flow/water level
Biological macroinvert., fish, habitat assessments, bacteria, aquatic veg., terrestrial veg., shellfish, birds, wildlife, exotic/invasive spp. **Other activities** debris cleanup, debris monitoring, land use surveys, photo surveys, human use surveys, stream channel morph., storm drain stenciling, construction site inspec., restoration
Data users our program, local gov't, univ. scientists **Data uses** educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration, enforcement, legislation, swimming advisories, state 305(b) report **Funding sources** fed., state, and local gov't, foundations, businesses, donations **Affiliation** River Watch Network

Lower Esopus River Watch's programs are partnership-based and build coalitions between local government, schools, colleges, students, volunteers, and professionals.

Margaretville Central School/Environmental Science Class (1994)

P.O. Box 319, Main St., Margaretville, NY 12455

ph 914-586-2647

Coordinator Michael Porter

RIVER/STREAM Volunteers 1 teacher/9 students

Phys/chem water temp., pH, DO, nitrogen, phosphorus, hardness **Biological** macroinvert. **Other activities** debris cleanup **Data users** our program, univ. scientists **Data uses** educ. **Funding sources** school budget **Annual budget** ~\$100 **Affiliation** Cornell University ISET; Ramapo College RST²

Margaretville Central School's Environmental Science Class monitors the East Branch of the Delaware River, and the Pepacton Reservoir in the New York City watershed.

National Audubon Society (1900)

700 Broadway, New York, New York, 10003

ph 212-979-3000 • Web www.audubon.org

RIVER/STREAM, LAKE/POND, RESERVOIR, ESTUARY, WETLAND, BEACH, MARINE, LAND

Biological macroinvert., fish, habitat assessments, aquatic veg., terrestrial veg., shellfish, birds, wildlife, exotic/invasive spp. **Other activities** debris cleanup, debris monitoring, land use surveys, photo surveys, human use surveys, stream channel morph., restoration **Data users** our program, community org's, local gov't, state gov't, fed. gov't, univ. scientists **Data uses** educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, BMP evaluation, land use decisions, watershed planning, plan restoration, legislation **Funding sources** foundations, businesses, memberships, donations, grassroots fundraising

The National Audubon Society sponsors volunteer monitoring projects throughout the nation. Some of the largest are the Christmas Bird Count, started in 1900 and now involving about 50,000 volunteers; "Audubon Adventures," with 15,000 classrooms participating; the Great Backyard Bird Count, a new project that already has 20,000 volunteers, and a bird banding project called MAPS (Monitoring Avian Productivity Systems). In addition, Audubon chapters in many states sponsor local monitoring and restoration projects as well as advocacy activities.

Newcomb Central School/Hudson Headwaters Riverwatch Program (1991)

Rt. 28N, Newcomb, NY 12852
ph 518-582-3341 • fax 518-582-2163
Coordinator Paul Jebb

RIVER/STREAM Volunteers 1 teacher/10 students

Phys/chem water temp., pH, DO, phosphorus, chloride, alkalinity, flow/water level Biological macroinvert., terrestrial veg. Other activities land use surveys, stream channel morph. Data users our program Data uses educ., screen for problems Funding sources state gov't, memberships Annual budget ~\$50

Newcomb Central School monitors the Hudson Headwaters near the source: Lake Tear of the Clouds. We are gathering baseline water quality data along with 15 to 30 other schools along the Hudson down to New York City.

Owasco Watershed Lake Association/Coliform Monitoring Program (1991)

P.O. Box 1, Auburn, NY 13021
ph 315-255-6360
Coordinator Tony Hart

RIVER/STREAM, LAKE/POND, BEACH Volunteers 25

Phys/chem water temp., rainfall, Secchi, turbidity Biological bacteria, fecal coliform, total coliform Other activities pipe surveys, photo surveys, human use surveys Data users our program, local gov't, univ. scientists Data uses educ., advocacy, research, screen for problems, estab. baseline conditions, nonpoint source assessment, land use decisions, watershed planning, enforcement, swimming advisories Funding sources local gov't, businesses, memberships Annual budget ~\$14,000

Owasco Watershed Lake Association monitors coliform in Owasco Lake and tributaries. Volunteers test over 20 sites on a weekly basis from June through September.

Project Watershed Central New York (PWCNY) (1991)

2563 Webb Rd., LaFayette, NY 13084-9704
ph 315-677-5194 • fax 315-677-5194 • email leggbill@dreamscape.com •
Web www.esf.edu/esp/prjh20sh/index.htm
Coordinators William Legg; Leslie Monostory; Patty Weisse

RIVER/STREAM Volunteers 4, + 12 teachers/160 students

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS, conductivity, chloride, flow/water level Biological macroinvert., bacteria Data users our program, local gov't Data uses educ., nonpoint source assessment Funding sources foundations, donations Annual budget ~\$500
Affiliation Izaak Walton League, Central New York Chapter

Project Watershed is a consortium of nine educational, industrial and governmental organizations that connect effective water resource programs with regional high school teachers and their students. IWLA Save Our Streams Program is our lead activity; we are presently educational and in transition as we develop a quality assurance/quality control (QA/QC) document. We monitor nine streams in Otisco, Onondaga, Skaneateles, and Oneida Lake watersheds.

Save Our Streams Central New York Chapter (1990)

125 Euclid Dr., Fayetteville, NY 13066
ph 315-435-6600 • fax 315-435-6606 • Web www.esf.edu/esp
Coordinators Bill Legg; Les Monostory

RIVER/STREAM Volunteers 8, + 12 teachers/50 students

Phys/chem water temp., pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus, TSS/TDS, chloride, flow/water level Biological macroinvert. Other activities debris cleanup Data users our program, community org's, local gov't Data uses educ., estab. baseline conditions, nonpoint source assessment Funding sources local gov't, foundations, businesses Annual budget ~\$500 Affiliation Izaak Walton League of America

Central New York Chapter Save Our Streams coordinates volunteer stream monitoring activities with science teachers in area high schools, in cooperation with the Project Watershed Consortium, a

NEW YORK

community organization. Volunteer groups adopt stream sections for monitoring, primarily in Onondaga County.

Town of Rhinebeck Conservation Advisory Council/Stream Monitoring (1987)

80 E. Market St., Rhinebeck, NY 12572

ph 914-876-3409

Coordinator John S. Grim

RIVER/STREAM Volunteers 9

Phys/chem water temp., pH, DO, nitrogen, phosphorus, conductivity, hardness, alkalinity, flow/water level, C.O.D. Biological macroinvert., bacteria Data users our program, community org's, state and local gov't, univ. scientists Data uses research, screen for problems, estab. baseline conditions, watershed planning, plan restoration, legislation Funding sources state and local gov't Annual budget ~\$2,000

The Town of Rhinebeck Conservation Advisory Council monitors the Landman Kill watershed for biological, physical, and chemical parameters.

Wappinger Creek Watershed Planning Committee/Stream Monitoring Program (1997)

Farm and Home Center, Route 44, P.O. Box 259, Millbrook, NY 12545-0259

ph 914-677-8223 ext. 128 • fax 914-677-6563

Coordinators David Burns; Barbara Kendall

RIVER/STREAM Volunteers 10

Phys/chem water temp., pH, DO, turbidity, nitrogen, phosphorus, TSS/TDS, conductivity, hardness, alkalinity, flow/water level Biological macroinvert., habitat assessments Other activities land use surveys, restoration (streambank) Data users our program, community org's, local gov't, univ. scientists Data uses educ., research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration Funding sources fed., state, and local gov't Annual budget ~\$3,000

Wappinger Creek Watershed Planning Committee's monitoring program has sites strategically located throughout Dutchess County's major watershed. Our monitoring sites will allow us to pinpoint the subwatersheds which are contributing the most contaminants and then to focus our education and best management practices on them.

Westchester Land Trust/Titcus River Volunteer Water Quality Monitoring Program (1996)

31 Main St., Bedford Hills, NY 10507

ph 914-241-6346 • fax 914-241-4508 • email WLANDTRUST@AOL.COM

Coordinator Evelyn Tapani-Rosenthal

RIVER/STREAM Volunteers 17

Phys/chem water temp., rainfall, pH, DO, turbidity, nitrogen, phosphorus, conductivity, chloride, flow/water level, ammonia Biological bacteria Other activities debris monitoring, land use surveys, photo surveys Data users our program, community org's, local gov't Data uses educ., community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, land use decisions, watershed planning Funding sources local gov't, foundations Annual budget ~\$17,500

The Westchester Land Trust has been developing a model watershed protection program for the Titcus watershed. As part of the program, we are conducting a 10-month pilot volunteer water quality monitoring project. The project, besides promoting citizen awareness and involvement in environmental protection, will provide towns with baseline information to guide local efforts to protect river water quality.

Also active in New York:

Bird Studies Canada/Marsh Monitoring Program (see listing in Canada)

Delaware Riverkeeper Network (see listing in Pennsylvania)

Hoosic River Watershed Association (see listing in Massachusetts)

Long Island Soundkeeper (see listing in Connecticut)

NEW YORK

Manomet Center for Conservation Sciences/Wetland Watchers (see listing in Massachusetts)
New York/New Jersey Baykeeper (see listing in New Jersey)
Save the Sound, Inc./Adopt-A-Harbor (see listing in Connecticut)
STAND/Political Response Monitoring Coordination (see listing in Pennsylvania)

OHIO

Audubon Society of Mahoning Valley

Box 3214, Youngstown, OH 44513

ph 330-742-6661 • email ac703@yfn.ysu.edu

Coordinator Randall Jones

RIVER/STREAM, RESERVOIR, WETLAND, LAND

Biological birds **Data users** community org's, fed. and state gov't **Data uses** research **Affiliation**
National Audubon Society

The Audubon Society of Mahoning Valley conducts bird surveys.

Beaver Creek Wetlands Association (1988)

P.O. Box 42, Alpha, OH 45301

ph 937-320-9042 • email BCWA@ERINET.COM

Coordinators Donald Haddox; James Amon

RIVER/STREAM, WETLAND, GROUNDWATER **Volunteers** 164, + 3 teachers/40 students

Biological habitat assessments, birds, wildlife, exotic/invasive spp. **Other activities** construction site
inspec., restoration (wetlands) **Data users** community org's, state and local gov't **Data uses** educ.,
research, community organizing, screen for problems, land use decisions, enforcement **Funding sources**
memberships, donations **Annual budget** ~\$20,000

Beaver Creek Wetlands Association does wetlands preservation, protection, restoration, and monitoring. We provide public education, partnerships, and community networks.

Benjamin Logan Schools/Mad River Education Project (1994)

Logan Soil & Water Conservation District, 324 CR 11; Attn: Barb Kuck, Bellefontaine, OH 43311

ph 937-593-2946 • fax 937-592-3350

Coordinators Barb Kuck; Spencer Reames

RIVER/STREAM **Volunteers** 15 teachers/390 students

Phys/chem water temp., pH, DO, turbidity, nitrogen, phosphorus, flow/water level **Biological**
macroinvert., fish, habitat assessments **Other activities** land use surveys, photo surveys, stream channel
morph. **Data users** our program, community org's, local gov't, univ. scientists **Data uses** educ., research,
screen for problems, nonpoint source assessment, watershed planning, plan restoration **Funding sources**
state and local gov't, donations, clubs **Affiliation** Project GREEN

Benjamin Logan Schools' elementary, middle, and high school students monitor physical, biological, and chemical aspects of the Mad River. Students also plan and present a River Festival, and a public symposium for state and county officials, parents, and concerned citizens. We take approximately 35 field trips a year to the stream.

Brookner Nature Center/Stream Quality Monitoring Program (1985)

5995 Horseshoe Bend Rd., Troy, OH 45373

ph 937-698-6493 • fax 937-698-4619

Coordinator Debra K. Brill

RIVER/STREAM **Volunteers** 5 teachers/20 students

Phys/chem water temp. **Biological** macroinvert. **Data users** state gov't **Data uses** state 305(b)
report **Annual budget** \$0

Brookner Nature Center is a volunteer monitoring site for the Ohio Department of Natural Resources for the scenic Stillwater River. A minimum of four macroinvertebrate sampling studies are conducted each year by staff in cooperation with visiting school groups participating in the Stream Quality environmental education program.

OHIO

Cincinnati Nature Center/Water Quality Monitoring Team (1991)

4949 Tealtown Rd., Milford, OH 45150

ph 513-271-1589 • email JHUBBARD@IGC.APC.ORG

Coordinator John H. Hubbard

RIVER/STREAM, LAKE/POND Volunteers 10

Phys/chem water temp., pH, DO, Secchi, turbidity, nitrogen, phosphorus, chloride, hardness, flow/water level, ammonia, carbon dioxide, tannin/lignin Biological macroinvert., fish, habitat assessments, bacteria, fecal coliform, phytoplankton Data users community org's Data uses educ., screen for problems, estab. baseline conditions, nonpoint source assessment Funding sources foundations, donations Annual budget ~\$250

Cincinnati Nature Center monitors baseline water quality (biological, chemical, and microbiological) in small streams and ponds. We have established excellent water quality in a small stream and are currently working to define water quality in a 4-acre lake.

Citizen Lake Awareness and Monitoring (CLAM) (1990)

Ohio Lake Management Society, P.O. Box 463, Kent, OH 44240

ph 330-672-5475 • fax 330-672-3613 • email dan.kush@dnr.state.oh.us

Coordinator Dana Oleskiewicz

LAKE/POND, RESERVOIR Volunteers 50

Phys/chem water temp., Secchi, color Other activities human use surveys Data users our program, state and local gov't Data uses educ., plan restoration, state 305(b) report Funding sources state gov't

CLAM is a statewide program to care for Ohio's lakes and reservoirs and their watersheds. We have established a statewide lake/pond water quality database for lake managers and public agency staff to analyze and compare lake conditions throughout Ohio. We also educate the public about nonpoint source pollution and watershed management.

Clark County Pollution Solution (1995)

4400 Gateway Blvd., Suite 103, Springfield, OH 45502

ph 937-328-4600 • fax 937-328-4606

Coordinator Mary Beth Leep

RIVER/STREAM Volunteers 20 teachers/400 students

Phys/chem water temp., pH, DO, turbidity, nitrogen, phosphorus, chloride Biological macroinvert., habitat assessments, bacteria Data users our program Data uses educ. Funding sources state and local gov't, businesses, donations

Clark County Pollution Solution monitors the Mad River, Buck Creek, Little Miami River, and some of their tributaries. High school students perform chemical testing and macroinvertebrate monitoring. Middle schools do macroinvertebrate monitoring only.

Clean Water for Future Generations (CWFG) (1997)

353 Garfield St., Newton Falls, OH 44444

ph 330-872-5715 • email timandsue@sprintmail.com

Coordinators Kristina Harris; Susan Holub

RIVER/STREAM, LAKE/POND Volunteers 2

Phys/chem water temp., pH Biological macroinvert., fish, habitat assessments, aquatic veg., terrestrial veg., birds, wildlife Other activities debris cleanup, debris monitoring, land use surveys, pipe surveys, photo surveys, human use surveys Data users our program Data uses educ., screen for problems, plan restoration Funding sources state gov't, donations Annual budget \$0 Affiliation Ohio Wild and Scenic Rivers

Clean Water for Future Generations monitors two different locations on Little Beaver Creek in Columbiana County, OH, three times a year. We report our findings to the state through the Wild and Scenic Rivers program. We also monitor the east and west branches of the Mahoning River in Newton Falls, OH, and report these findings to the Izaak Walton League.

Delaware Soil and Water Conservation District/Stream Quality Monitoring (1995)

557 A Sunbury Rd., Delaware, OH 43015-8656
 ph 740-368-1921 • fax 740-369-8321 • email delsewcd@Juno.com
 Coordinator Roger Pinnicks

RIVER/STREAM Volunteers 3 teachers/75 students

Phys/chem water temp., pH, DO, turbidity, nitrogen, phosphorus, chloride, flow/water level Biological macroinvert., habitat assessments Other activities debris cleanup, debris monitoring, land use surveys, storm drain stenciling, restoration (bank stabilization) Data users our program, community org's, state gov't Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration Funding sources state and local gov't, businesses Annual budget ~\$200 Affiliation Ohio Stream Quality Assessment Database

Delaware Soil and Conservation District conducts water quality and habitat assessment of streams in Delaware County, Ohio.

Ecological Assessment Section/Ohio Environmental Protection Agency (EPA)

1685 West Belt Dr., Columbus, OH 43228
 ph 614-728-3382 • fax 614-728-3380 • email chris.yoder@epa.state.oh.us
 Coordinator Chris Yoder

RIVER/STREAM, WETLAND

Biological macroinvert., fish, habitat assessments Other activities stream channel morph.

Friends of Clear Creek, Inc. (1995)

P.O. Box 186, Amanda, OH 43102
 ph 614-969-4318
 Coordinator Michael Eisel

RIVER/STREAM Volunteers 16, + 5 teachers/38 students

Phys/chem water temp., flow/water level Biological macroinvert., fish, habitat assessments, aquatic veg., terrestrial veg. Other activities debris cleanup, debris monitoring, land use surveys, pipe surveys, photo surveys, human use surveys, stream channel morph. Funding sources fed., state, and local gov't, foundations, businesses, memberships, donations, grassroots fundraising

The Friends of Clear Creek monitors 12 sites on the main stream and the major tributaries. We are implementing riparian zones along the banks in our watershed. We have an ongoing educational program with students from the Amanda Clear Creek School District.

Friends of the Darke County Parks (1994)

P.O. Box 801, Greenville, OH 45331
 ph 937-548-0165 • fax 937-548-2935
 Coordinator Suzanne Clingman

RIVER/STREAM, WETLAND Volunteers 25

Phys/chem water temp., pH, DO, BOD, nitrogen Biological macroinvert., fish, habitat assessments, shellfish, birds, exotic/invasive spp. Other activities debris cleanup, restoration (prairie, wetlands) Data users our program, state gov't Data uses educ., watershed planning Funding sources memberships, donations Annual budget \$0

The Friends of the Parks organization helps with stream monitoring, putting on public programs, and fundraising activities.

Great American Secchi Dip-In (1994)

Department of Biological Sciences, Kent State University, Kent, OH 44242
 ph 330-672-3849 • fax 330-672-3713 • email RCarlson@KENT.EDU • Web humboldt.kent.edu/~dipin
 Coordinators Bob Carlson; Jay Lee; David Waller

RIVER/STREAM, LAKE/POND, RESERVOIR, ESTUARY Volunteers 2,000

Phys/chem Secchi Data users our program, community org's, fed. and state gov't, univ. scientists Data

OHIO

uses educ., advocacy, research, community organizing **Funding sources** fed. gov't **Annual budget** ~\$39,000

The Great American Secchi Dip-In asks members of other monitoring programs to "dip" their Secchi disks for us during a period around July 4th. Volunteers from around the world can participate via our Web entry form. We use the data to map transparency.

Greenacres Water Quality Monitoring Project (1992)

Greenacres Foundation, 8255 Spooky Hollow Rd., Cincinnati, OH 45242-6518

ph 513-891-4227 • fax 513-792-9199

Coordinator Sue Freese

RIVER/STREAM **Volunteers** 11 teachers/300 students

Phys/chem water temp., rainfall, pH, DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS, chloride, alkalinity, metals, flow/water level **Biological** macroinvert., habitat assessments, bacteria, fecal coliform

Other activities debris cleanup **Data users** our program, local gov't **Data uses** educ., screen for problems, estab. baseline conditions, nonpoint source assessment, enforcement **Funding sources** local gov't, foundations, donations **Annual budget** ~\$15,000

Greenacres Water Quality Monitoring Project runs school-based monitoring using chemical and biological indicators. Each school reports results to local government for monitored watersheds on an annual basis. Local governments provide financial support for water testing equipment and chemicals. Quality assurance (QA) is provided by the Metropolitan Sewer District.

Hamilton County Park District/Biological Stream Monitoring (1988)

10245 Winton Rd., Cincinnati, OH 45231

ph 513-521-7275 • fax 513-521-2606

Coordinator Bret Henninger

RIVER/STREAM **Volunteers** 15, + 10 teachers/100 students

Phys/chem water temp. **Biological** macroinvert., habitat assessments **Other activities** debris monitoring **Data users** our program, community org's, local gov't, univ. scientists **Data uses** educ., advocacy, research, screen for problems, estab. baseline conditions, nonpoint source assessment, plan restoration, enforcement **Funding sources** local gov't **Annual budget** ~\$300

Hamilton County Park District's Biological Stream Monitoring program concentrates on the biological integrity of lake watersheds and tributaries.

Heidelberg College Water Quality Laboratory/Cooperative Private Well Testing Program (1987)

310 East Market St., Tiffin, OH 44883

ph 419-448-2198 • fax 419-448-2124 • email dbaker@mail.heidelberg.edu

Coordinator Nancy Creamer

GROUNDWATER

Phys/chem nitrogen, phosphorus, conductivity, chloride, metals, pesticides **Data users** our program, community org's, fed., state, and local gov't, univ. scientists **Data uses** educ., advocacy, research, screen for problems, estab. baseline conditions, nonpoint source assessment **Funding sources** foundations, testing fees **Annual budget** ~\$70,000

The Heidelberg Water Quality Laboratory, working together with county organizations such as Soil and Water Districts, and with volunteer participants, develops detailed, geo-referenced databases of nitrate and herbicide contamination in private rural wells in Ohio, Indiana, Kentucky, West Virginia, and Illinois.

1.9
Data users our program, community org's, fed., state, and local gov't, univ. scientists **Data uses** educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, state 305(b) report **Funding sources** fed. and state gov't, memberships, donations **Annual budget** ~\$1,000 **Affiliation** Indian Lake Hydrologic Unit, Citizen Lake Improvement Project

OSU's Master Watershed Stewards is a holistic watershed approach to volunteer monitoring and water quality education. Program participants and volunteers receive instruction and experience with such watershed issues as monitoring techniques, basic wetland, stream, lake, and riparian ecology, geology, soils, and implementation of best management practices (BMPs). Volunteers collect water quality data from both streams and lakes, and are offered a certification process that includes volunteer time and 30 hours of classes.

Putnam Soil and Water Conservation District (1996)

215 S. Oak St., Ottawa, OH 45875

ph 419-523-5159 • fax 419-523-6373 • email Bonnie.Brooks@oh.nrcs.usda.gov

Coordinator Bonnie Brooks

RIVER/STREAM, LAND Volunteers 1 teacher/15 students

Phys/chem water temp., pH, DO, nitrogen (ammonia, nitrates), phosphorus **Biological** macroinvert. **Other activities** storm drain stenciling **Data users** our program, community org's, state gov't **Data uses** educ., estab. baseline conditions, nonpoint source assessment **Funding sources** state and local gov't **Annual budget** ~\$1,500

Putnam Soil and Water Conservation District is establishing a new project to acquire a base of local stream and river information.

Seventh Generation/Coordinated Assessment of River Environments (C.A.R.E.) Project (1993)

25 Lake Ave., Elyria, OH 44035

ph 440-322-4187 • fax 440-322-1785 • email SevnGen@aol.com

RIVER/STREAM, LAKE/POND, GROUNDWATER, AIR, LAND

Volunteers 25, + 30 teachers/150 students

Phys/chem water temp., rainfall, pH, DO, turbidity, nitrogen, phosphorus, TSS/TDS, salinity, metals, flow/water level **Biological** macroinvert., habitat assessments, aquatic veg., birds, wildlife **Other activities** debris cleanup, land use surveys, human use surveys, stream channel morph., storm drain stenciling, restoration (willow stakes, bank stabilization) **Data users** our program, community org's, fed. and local gov't, univ. scientists **Data uses** educ., advocacy, research, community organizing, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, legislation, 319 program **Funding sources** fed. and state gov't, foundations, memberships, grassroots fundraising

Seventh Generation is a grassroots nonprofit environmental organization. We monitor the Black River in northeast Ohio through site assessments, chemical monitoring, macroinvertebrate sampling and bacteria testing.

Trout Unlimited, Mad Men Chapter (1997)

3248 Koenig Ave., Cincinnati, OH 45211

ph 513-662-5355 • email JJJohnson@aol.com

Coordinator Jeffrey S. Johnson

RIVER/STREAM Volunteers 10

Phys/chem water temp. **Biological** macroinvert. **Other activities** debris cleanup, restoration **Data users** our program, state gov't **Data uses** educ., research, screen for problems, estab. baseline conditions, watershed planning, plan restoration, state 305(b) report **Funding sources** memberships, donations **Annual budget** ~\$100 **Affiliation** Trout Unlimited

The Mad Men Chapter of Trout Unlimited supports the Mad River watershed protection and management plans. The Mad River contains 30 miles of spring-fed water providing Ohio fishermen with a Brown Trout fishery. The Mad Men Chapter will include a stream monitoring program to supplement other activities, such as habitat improvement projects.

OHIO

Washington Court House Senior High Biology Classes (1990)

1200 Willard Rd., Washington Court House, OH 43160

ph 614-335-0820

Coordinators Lori Johnson; Laura Voorhis

RIVER/STREAM Volunteers 6, + 2 teachers/98 students

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, flow/water level **Biological** macroinvert., bacteria **Other activities** land use surveys, physical surveys **Data users** our program, local gov't **Data uses** educ., estab. baseline conditions, nonpoint source assessment **Funding sources** state and local gov't, school budget **Annual budget** ~\$500

Washington Court House Senior High Biology classes engage students in scientific inquiry of a real problem: observation and assessment of how organisms interact with one another and with the physical setting. At the same time, students are producing water quality data for local management officials and the community.

Water and Wildlife Society, Southwestern Ohio Region (1997)

10451 Buxton Ln., Montgomery, OH 45242

ph 513-984-2880 • fax 513-984-6747 • email TATURCKSR@AOL.COM

Coordinators T. A. Turck Sr.; Avie Corsbie; Art Funk; Patricia Zuelinder

RIVER/STREAM, LAKE/POND Volunteers 6, + 2 teachers/10 students

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS, chloride, hardness, alkalinity, metals, hydrocarbons, pesticides, toxicity, flow/water level, silt level **Biological** macroinvert., fish, habitat assessments, bacteria, aquatic veg., terrestrial veg., shellfish, birds, wildlife **Other activities** debris cleanup, debris monitoring, land use surveys, human use surveys, feeder creek origins **Data users** our program, univ. scientists **Data uses** educ., research, community organizing, screen for problems, estab. baseline conditions, swimming advisories, wildlife control **Funding sources** businesses, memberships, donations, grassroots fundraising **Annual budget** ~\$100

Water and Wildlife Society helps owners of small lakes, ponds, and EPA-required retention waters improve their waters as habitat for aquatic and other wildlife. Working also with state and county conservation organizations, we offer consulting to the owners. They supply major funds. We support our youth group's projects with funding and training materials. Other activities include lake design and construction, and preventive maintenance and safety programs. We plan to expand into southern Indiana and northern Kentucky in the future, and to sponsor other chartered organizations with similar goals throughout the U.S.

Wayne-Holmes Wetland Coalition/Wildlife Diversity Conservation

7851 Township Road 562, Holmesville, OH 44633

ph 330-263-3969; 419-755-8036 • email dbeam@magnus.acs.Ohio_State.edu

Coordinator Donald G. Beam

WETLAND Volunteers 20, + 2 teachers/3 students

Biological habitat assessments, aquatic veg., terrestrial veg., birds, exotic/invasive spp. **Other activities** debris cleanup, restoration (bog/fen ecology) **Data users** our program, community org's, state and local gov't **Data uses** educ. **Funding sources** memberships, donations

The Wayne-Holmes Wetland Coalition finds and protects the last most intact and biologically rich wetlands in Wayne and Holmes Counties. We work with private and public landowners instigating conservation measures to conserve biodiversity.

Also active in Ohio:

Bird Studies Canada/Marsh Monitoring Program (see listing in Canada)

OHIO

assess water quality on Central Ohio's Scenic Rivers (the Olentangy River, Big Darby Creek, and Little Darby Creek) by monitoring macroinvertebrates. Volunteer forms entered into a computer and compiled into an annual report. If abnormal changes are indicated, the results are reported to the Ohio Environmental Protection Agency or local health department.

Ohio Environmental Protection Agency

1800 Watermark Dr., P.O. Box 1049, Columbus, OH 43216-1049
ph 614-644-2862 • fax 614-644-2329 • email doug-zehner@central.epa.ohio.gov
Coordinator Douglas Zehner

RIVER/STREAM

Data users our program Data uses educ., advocacy, screen for problems, plan restoration Affiliation
USDA-Natural Resources Conservation Service (NRCS)

Ohio River Valley Water Sanitation Commission (ORSANCO)/RiverWatchers Volunteer Monitoring Program (1992)

5735 Kellogg Ave., Cincinnati, OH 45228-1112
ph 513-231-7719 • fax 513-231-7761 • email kfraser@orsanco.org or rivwatch@orsanco.org •
Web www.orsanco.org/rivwatch.html
Coordinators Karel Fraser; Susan Bryan

RIVER/STREAM Volunteers 24 teachers/500 students

Phys/chem water temp., pH, DO, nitrogen, phosphorus, chloride, hardness, alkalinity, metals Biological
macroinvert. Other activities debris cleanup, land use surveys Data users our program, state gov't
Data uses educ., screen for problems, estab. baseline conditions Funding sources fed. and state gov't,
businesses

RiverWatchers monitors the Ohio River main stem and seven tributaries, involving 24 schools and hundreds of students in grades 4-12. Chemical test kits, supplemental educational materials, and equipment for biological testing are provided to participants.

Ohio Scenic Rivers Program/Stream Quality Monitoring Project (1982)

Ohio DNR Div. of Natural Area & Preserves, 1889 Fountain Square, Columbus, OH 43224-1331
ph 614-265-6453 • fax 614-267-3096 • email stu.lewis@dnr.state.oh.us
Coordinator Stuart Lewis

RIVER/STREAM Volunteers 387, + 213 teachers/4,500 students

Biological macroinvert., habitat assessments Other activities debris cleanup, land use surveys, stream
channel morph. Data users our program, community org's, state and local gov't, univ. scientists Data
uses educ., advocacy, screen for problems, estab. baseline conditions, watershed planning, enforcement, state
305(b) report Funding sources state gov't Annual budget ~\$70,000 Affiliation Ohio Scenic
Rivers Program

Ohio Scenic Rivers Program Stream Quality Monitoring Project is an environmental education program that provides hands-on learning about the value of rivers in our lives. Data collected provides baseline river health information, and is tracked long-term in a database shared with the Ohio EPA. Ohio was the first state to use volunteer data in state 305(b) water quality reports. In 1996, over 5,000 participants monitored over 100 sites, including 80 reference sites monitored at least 3 times annually between April and October.

Ohio State University Extension Master Watershed Stewards/Indian Lake Watershed Project (1995)

Ohio State University Extension, 117 E. Columbus Ave., Suite 100, Bellefontaine, OH 43311-2053
ph 937-599-4227 • fax 937-592-6404 • email Comer.29@osu.edu
Coordinator Gary L. Comer, Jr.

RIVER/STREAM, LAKE/POND, RESERVOIR, LAND Volunteers 15

Phys/chem water temp., rainfall, pH, DO, Secchi, nitrogen, phosphorus, flow/water level Biological
macroinvert., habitat assessments, aquatic veg., terrestrial veg., algae Other activities land use surveys, pipe
surveys, human use surveys, stream channel morph., storm drain stenciling, restoration (bank stabilization)

Affiliation Global Rivers Environmental Education Network (GREEN)

Miami Valley Project GREEN provides teachers in southwest Ohio with training, equipment, support people, and funding for their stream quality monitoring and enhancement efforts.

Monday Creek Restoration Project (1995)

3791 Baker Rd., Albany, OH 45710

ph 614-698-2227

Coordinators Maryanne Borch; Jerry Iles; Tracy Scott

RIVER/STREAM Volunteers 2

Phys/chem pH, DO, metals, flow/water level Biological macroinvert., fish Other activities debris cleanup, debris monitoring, restoration (strip mine reclamation) Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., research, community organizing, estab. baseline conditions, watershed planning, plan restoration Funding sources fed. gov't, memberships, donations, grassroots fundraising Affiliation Rivers Unlimited; River Network

The Monday Creek Restoration Project is focused on returning Monday Creek to fishable and swimmable conditions. Our primary focus is the treatment of acid mine drainage from abandoned strip and deep mines.

Northeast Ohio Rivers Project (NORP) (1975)

2249 Brighton, Madison, OH 44057

ph 216-428-5744

Coordinator Jerry Deel

RIVER/STREAM Volunteers 10, + 20 teachers/200 students

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS, conductivity, chloride, metals Biological macroinvert., bacteria Data users our program, univ. scientists Data uses educ., research, screen for problems, estab. baseline conditions Funding sources grants Affiliation Cleveland State University

Northeast Ohio Rivers Project monitors water quality using chemical tests and macroinvertebrate studies. High school students are directly involved in the testing and data analysis.

Ohio Department of Natural Resources Division of Soil & Water Conservation

1939 Fountain Square, E-2, Columbus, OH 43224-1336

ph 614-265-6610 • fax 614-262-2064 • email dan.kush@dnr.state.oh.us • Web www.dnr.ohio.gov/

Coordinator Daniel M. Kush

RIVER/STREAM, LAKE/POND, RESERVOIR, WETLAND, LAND

Funding sources state gov't

Ohio DNR Division of Soil & Water Conservation staff provide networking opportunities, training, and education to conservation groups, citizens, and educators about biological, chemical, and physical habitat characteristics of streams and lakes. Our emphasis is on using monitoring to stimulate citizen action to protect water resources, better understand nonpoint source pollution, evaluate watershed land treatment projects, and bring greater awareness of Ohio's water resources.

Ohio Department of Natural Resources Scenic Rivers Program/Stream Quality Monitoring, Central Ohio (1983)

1889 Fountain Sq. F-1, Columbus, OH 43224

ph 614-265-6459 • fax 614-267-3096

Coordinator Erica Jean Burnett

RIVER/STREAM Volunteers 1,000

Phys/chem water temp., turbidity Biological macroinvert. Other activities debris cleanup Data users our program, community org's, state and local gov't Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, watershed planning, state 305(b) report Funding sources state gov't

Ohio DNR Scenic Rivers Program's Central Ohio Stream Quality Monitoring uses volunteers to

OHIO

Lake County SWCD's Watershed Watch uses 600 middle school students to monitor 20 sites along the Grand and Chagrin Rivers (both are state "Wild or Scenic Rivers"). Data collected is used by the district as an aid in land use decisions and sent to the Ohio Department of Natural Resources Scenic Rivers Program to be included in annual reports on Ohio's Wild and Scenic Rivers.

Lake Metroparks Stewardship Volunteers (1992)

8668 Kirtland-Chardon Rd., Kirtland, OH 44094

ph 440-256-1404 • fax 440-256-3827 • email pg@lakemetroparks.com • Web www.lakemetroparks.com

Coordinator Jennifer Kimmich

ESTUARY, WETLAND, BEACH Volunteers 55

Biological terrestrial veg., birds, wildlife, amphibians, butterflies, dragonflies Other activities debris cleanup, restoration (invasive spp. removal) Data users our program, univ. scientists Data uses educ., advocacy, research, estab. baseline conditions, land use decisions Funding sources state and local gov't, donations Annual budget ~\$500

Lake Metroparks Stewardship Volunteers conduct monitoring and inventory surveys for our park properties and participate in national projects and surveys for biological inventory.

Maumee Remedial Action Plan/Maumee Bay Watershed Project (1988)

Toledo Metropolitan Area Council of Governments, P.O. Box 9508, Toledo, OH 43697-9508

ph 419-241-9155 ext. 125 • fax 419-241-9116 • email carter@tmacog.org

Coordinators Jennifer Carter; Rick Carter

RIVER/STREAM Volunteers 25, + 42 teachers/1,300 students

Phys/chem water temp., pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus Biological macroinvert., habitat assessments, bacteria Other activities debris cleanup, storm drain stenciling, restoration (revetments) Data users our program, community org's, state and local gov't, univ. scientists Data uses educ., advocacy, community organizing, screen for problems, estab. baseline conditions Funding sources local gov't, foundations, businesses, donations, grassroots fundraising Annual budget ~\$30,000

The Maumee Bay Watershed Project brings together elected and public officials, active citizens and businesses, and students and teachers to try to develop real solutions to improve water quality based on student-gathered data. Students follow up fall testing with spring tree plantings and bank cleanups at their sites, and are encouraged to consider science careers.

Miami County Environmental Education Youth Program (1997)

Miami County Park District, 2535 E. Ross Rd., Tipp City, OH 45371

ph 937-667-1086 • fax 937-667-0919 • email mcopark

Coordinators Cinda Hanbuch-Pinkerton; John Virgint

RIVER/STREAM Volunteers 10 teachers/100 students

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus Biological macroinvert., bacteria Other activities debris cleanup Data users our program, community org's, fed. and state gov't Data uses educ., advocacy, community organizing, screen for problems, nonpoint source assessment, watershed planning, plan restoration, state 305(b) report Funding sources local gov't, grassroots fundraising Affiliation Ohio DNR Scenic Rivers Program

Miami County Environmental Education Youth Program is part of the county's watershed monitoring system. We work to clean and protect Miami County's watersheds with local citizens.

Miami Valley Project GREEN (1990)

YMCA Camp Kern, 5291 SR 350, Oregonia, OH 45054-9747

ph 513-932-3756 • fax 513-932-8607 • email ycampkern@your-net.com

Coordinator Dave Moran

RIVER/STREAM Volunteers 80 teachers/1,500 students

Phys/chem water temp., pH, DO, turbidity, nitrogen, phosphorus Biological macroinvert., bacteria Other activities debris cleanup, land use surveys, photo surveys, human use surveys Data users our program Data uses educ. Funding sources foundations, donations Annual budget ~\$30,000

Hillsdale Local School District/Muskingum Watershed Observers & Jerome Fork Monitors of Ashland County (1986)

485 TR 1902, Jeromesville, OH 44840

ph 419-368-7407; 419-368-6841 • fax 419-368-7504 • email HILL_HAMMAN@TCCSA.OHIO.GOV

Coordinator Jesse H. Hamman

RIVER/STREAM, LAKE/POND, WETLAND, GROUNDWATER Volunteers 4 teachers/200 students

Phys/chem water temp., rainfall, pH, DO, Secchi, turbidity, nitrogen, phosphorus, hardness, salinity, alkalinity, flow/water level Biological macroinvert. Other activities debris cleanup, debris monitoring
 Data users our program, community org's Data uses educ., advocacy, estab. baseline conditions, nonpoint source assessment Funding sources school budget Annual budget ~\$150

Hillsdale Local School District high school biology students have monitored local ponds since 1980. Since 1986 we have been establishing baseline conditions for Jerome Fork in Ashland County (Muskingum watershed). We are updating our manual titration procedures to computerized electronic equipment.

Huron County Volunteer Stream Monitors (1995)

Huron Soil and Water Conservation District, 8 Fair Rd., Norwalk, OH 44857

ph 419-668-7645 • fax 419-663-0611 • email linda.cornell@nrcc.usda.gov

Coordinator Linda P. Cornell, PhD

RIVER/STREAM Volunteers 5, + 4 teachers/200 students

Phys/chem water temp., pH, DO, nitrogen, phosphorus, flow/water level Biological macroinvert., habitat assessments, bacteria, fecal coliform Other activities storm drain stenciling Data users our program, local gov't Data uses educ., estab. baseline conditions Funding sources state and local gov't Annual budget ~\$200

Huron County Volunteer Stream Monitors currently monitors 8 sites in the East Branch subwatershed of the Huron River Watershed. We hope to expand to the entire watershed in surrounding counties, and would like to see our information used as baseline data for assessment of management practices. We monitor macroinvertebrates twice a year and chemical parameters monthly and hold two conferences a year. Our group involves science and environmental clubs from three schools and a homeschool group.

Jefferson County Recycling and Litter Prevention (1981)

814 Adams St., Steubenville, OH 43952

ph 614-283-8614; 614-283-8615 • fax 614-283-8656

Coordinator Diane L. Julio

LAND

Other activities debris cleanup, debris monitoring, land use surveys, photo surveys, human use surveys
 Funding sources state and local gov't Annual budget ~\$189,000

Jefferson County Recycling and Litter Prevention is responsible for implementing community recycling programs throughout the county. We provide schools with K-12 environmental education programs, monitor debris, conduct surveys and an annual river sweep in conjunction with ORSANCO, and enforce litter and nuisance laws.

Lake County Soil and Water Conservation District/Watershed Watch (1992)

125 E. Erie St., Painesville, OH 44077

ph 216-350-2730 • fax 216-350-2601 • email DLD@Harborcom.net • Web soil.co.LAKE.oh.US

Coordinator Dan Donaldson

RIVER/STREAM Volunteers 4, + 20 teachers/600 students

Phys/chem water temp., pH, DO, turbidity, chloride, salinity, flow/water level Biological macroinvert., habitat assessments Data users our program, community org's, state and local gov't Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration, enforcement, legislation
 Funding sources state and local gov't, donations Annual budget ~\$5,000 Affiliation Ohio DNR Scenic Rivers Program

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Adams County Lake and Stream Monitoring (1992)

Adams County Land Conservation, P.O. Box 287, Friendship, WI 53934

ph 608-339-4268 • fax 608-339-4504

Coordinator Richard Toebe

LAKE/POND Volunteers 2, + 1 teacher/120 students

Phys/chem water temp., DO, Secchi, phosphorus **Biological** chlorophyll **Data users** our program, community org's, state gov't **Data uses** educ., research, community organizing, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration

Funding sources state and local gov't **Affiliation** Wisconsin Self-Help Lake Monitoring

Adams County Lake and Stream Monitoring monitors Jordan and Mason Lakes.

Adopt-A-Lake (1995)

UWEX-CNR, University of Wisconsin-Stevens Point, Stevens Point, WI 54481-3897

ph 715-346-3366 • fax 715-346-4038 • email lmccann@uwsp.edu

Coordinator Libby McCann

LAKE/POND Volunteers 35 teachers/500 students

Phys/chem water temp., DO, Secchi, phosphorus **Biological** macroinvert., habitat assessments, chlorophyll, aquatic veg., exotic/invasive spp. **Other activities** debris cleanup, land use surveys, human use surveys, storm drain stenciling, public presentations **Data users** our program, community org's, state gov't

Data uses educ. **Funding sources** state gov't, donations, grassroots fundraising **Affiliation** Wisconsin Self-Help Lake Monitoring Program

Adopt-A-Lake is an environmental education (K-12) effort designed to provide youth with an interdisciplinary understanding of lake dynamics and issues through action projects. We work in partnership with the state's Self-Help Lake Monitoring Program to provide youth an opportunity to collect lake data as part of their Adopt-A-Lake projects.

Beaver Creek Field Research Station (1990)

S 1 County Highway K, Fall Creek, WI 54742

ph 715-877-2212 • fax 715-877-2212 • email tweed@discover-net.net • Web WWW.CS.UWEC.EDU/BeaverCreek

Coordinator Paul Tweed

RIVER/STREAM, LAKE/POND, RESERVOIR, WETLAND, LAND

Volunteers 10, + 8 teachers/200 students

Phys/chem water temp., rainfall, pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus, TSS/TDS, flow/water level **Biological** macroinvert., fish, habitat assessments, bacteria, chlorophyll, aquatic veg., terrestrial veg., phytoplankton **Other activities** land use surveys, photo surveys, stream channel morph.

Data users our program, community org's, state gov't **Data uses** educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration **Funding sources** fed. and state gov't, foundations, businesses, grassroots fundraising **Annual budget** ~\$5,000 **Affiliation** Wisconsin Adopt-A-Lake, Wisconsin Water Education Network

Beaver Creek Field Research Station coordinates watershed monitoring and research programs involving students, teachers, community members, resource professionals, and others. We work on lentic and lotic ecosystems in both basic parameters and advanced research. Much of the project focuses on the Eau Claire River watershed of western Wisconsin.

Phys/chem water temp., pH, DO, Secchi, turbidity, flow/water level Biological macroinvert., bacteria
 Other activities pipe surveys, human use surveys, storm drain stenciling Data users our program,
 community org's, state and local gov't Data uses educ., advocacy, research, community organizing, screen for
 problems, estab. baseline conditions, BMP evaluation, land use decisions, watershed planning, enforcement
 Funding sources foundations, businesses, donations Annual budget ~\$2,000

Washington Park High School is starting a program to monitor the Root River in Racine. We hope to expand to include more of the watershed, and to join others in monitoring the Root River.

Water Action Volunteers Citizen Volunteer Monitoring (1996)

WT/2, WAV Coordinator, Box 7921, Madison, WI 53707-7921
 ph 608-264-8948 • fax 608-267-2800 • email ppacker@facstaff.wisc.edu • Web clean-water.uwex.edu/wav
 Coordinator Pam Packer

RIVER/STREAM

Phys/chem water temp., rainfall, DO, turbidity Biological macroinvert., habitat assessments Other
 activities debris cleanup, storm drain stenciling Data users our program, state and local gov't Data
 uses educ., estab. baseline conditions, nonpoint source assessment, watershed planning Funding sources
 fed. and state gov't, Univ. Wisconsin Cooperative Extension Annual budget ~\$4,000

Water Action Volunteers Citizen Volunteer Monitoring, currently in the pilot phase, will eventually grow into a statewide program that will help Wisconsin citizens become more involved with their streams and rivers through a voluntary program that monitors ecosystem health, shares data for educational purposes, provides a network for volunteers, and increases linkages between the volunteers and public resource protection programs.

Wisconsin Academy of Sciences, Arts, and Letters/FIRST (Field Involvement: Research by Science Teachers) (1990)

1922 University Ave., Madison, WI 53705-4099
 ph 608-263-1692 • fax 608-265-3039 • email gglake@facstaff.wisc.edu • Web www.wisc.edu/wisacad
 Coordinator Dr. Gary G. Lake

RIVER/STREAM, LAKE/POND, WETLAND, GROUNDWATER, AIR, LAND

Volunteers 110, + 20 teachers/90 students

Phys/chem water temp., rainfall, pH, DO, BOD, Secchi, nitrogen, phosphorus, conductivity, chloride, alkalinity, flow/water level Biological macroinvert., fish, habitat assessments, aquatic veg., terrestrial veg., phytoplankton, shellfish, birds, wildlife (butterflies, salamanders, frogs), exotic/invasive spp. Other
 activities land use surveys, photo surveys Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., research, estab. baseline conditions, nonpoint source assessment, land use decisions, plan restoration Funding sources fed., state, and local gov't, foundations, businesses, donations Annual budget ~\$100,000 Affiliation National Science Foundation

Wisconsin Academy FIRST involves K-12 teachers in doing scientific research with their students. One component is water quality monitoring: classes do biotic indexing on waterbodies ranging from small brooks to the Mississippi River and Lake Michigan. We combine the data to establish an overall picture. We work closely with partners such as the USGS, Fish and Wildlife Service, and Department of Natural Resources in both the training and the testing components.

Wisconsin Heights Middle School/Black Earth Creek: Monitoring the Water Quality (1993)

10173 Hwy. 14, Mazomanie, WI 53560
 ph 608-767-2596 • fax 608-767-3579
 Coordinators Eleanor Flinn; Kathy Good

RIVER/STREAM Volunteers 20, + 3 teachers/40 students

Phys/chem water temp., pH, DO, hardness, flow/water level Biological macroinvert., habitat assessments
 Data users our program Data uses educ., research Funding sources fed. gov't, donations, grassroots fundraising

Wisconsin Heights Middle School conducts long-term monitoring of the water quality of the middle reaches of Black Earth Creek. Our investigation involves teachers, students, and community members,

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and uses temperature loggers, chemical testing, and biotic indexing.

Wisconsin River Education Network (WREN) (1993)

801 2nd St., Port Edwards, WI 54469

ph 715-887-9000 • fax 715-887-9040

Coordinators LeAnn Chase; Harv Hayden; Arvid Maki

RIVER/STREAM, WETLAND Volunteers 6 teachers/125 students

Phys/chem water temp., pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus, hardness, flow/water level

Biological macroinvert., fish, habitat assessments, bacteria, fecal coliform, aquatic veg., terrestrial veg.

Other activities debris cleanup, storm drain stenciling Data users our program, community org's Data uses educ., land use decisions Funding sources fed. gov't, school budget Annual budget ~\$500

Wisconsin River Education Network assists students in grades 7-12 in adopting streams along the Wisconsin River watershed to monitor. The students collect biotic and abiotic indicators and telecommunicate the results to other sites.

Wisconsin Self-Help Lake Monitoring (1986)

Wisconsin DNR, FH/7, P.O. Box 7921, Madison, WI 53707-7921

ph 608-266-8117 • fax 608-267-7857 • email grahas@dnr.state.wi.us

Coordinator Susan Graham

LAKE/POND Volunteers 730, + 5 teachers/100 students

Phys/chem water temp., DO, Secchi, phosphorus, flow/water level Biological chlorophyll, aquatic veg., exotic/invasive spp. (Eurasian milfoil, zebra mussels) Data users our program, state and local gov't Data uses educ., research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, watershed planning, state 305(b) report Funding sources state gov't Annual budget ~\$130,000

Self-Help Lake Monitoring, the core of Wisconsin's Lake Partnership, is a partnership between over 700 citizens statewide and the Wisconsin DNR. Our goals are to collect high quality data, educate and empower volunteers, and share this data and knowledge. Volunteers measure water clarity as an indicator of water quality and after one year of participating may choose to add monitoring of lake chemistry. This information is then used to determine the lake's trophic state. Many volunteers identify and map plants; others watch for the first appearance of Eurasian watermilfoil near boat landings on about 400 lakes, or watch for zebra mussels on 50 of the most vulnerable lakes.

Zebra Mussel Monitoring/Lac Vieux Desert Association (1994)

2280 Gunderson Lane, Land O'Lakes, WI 54540

ph 715-547-3401 • email mcpart@newnorth.net

Coordinator Larry McPartlin

LAKE/POND Volunteers 1

Biological exotic/invasive spp. (zebra mussels) Data users state gov't Annual budget \$0

Lac Vieux Desert Association checks zebra mussel stations in our lake from May to October.

Also active in Wisconsin:

Bird Studies Canada/Marsh Monitoring Program (see listing in Canada)

Inland Seas Education Association/Schoolship Program (see listing in Michigan)

Superior Lakewatch (see listing in Minnesota)

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Lucky Hills 4-H monitors two lakes, one of which is enclosed without public access. We have compared monitoring results between our contrasting lakes, including information on dissolved oxygen, life forms, plant life, and surrounding habitats.

Marquette High School Science Club/Menomonee River Studies (1994)

3401 W. Wisconsin Ave., Milwaukee, WI 53208

ph 414-933-7220 • fax 414-937-8588 • email friday@muhs.edu •

Web www.muhs.edu/activities/riverstudies/index.html

Coordinator Gerald Friday

RIVER/STREAM Volunteers 1 teacher/8 students

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS Biological macroinvert., bacteria, fecal coliform Data users our program, community org's Data uses educ. Annual budget \$0

Marquette High School's Science Club monitors and educates the public about the water quality of the Menomonee and Milwaukee Rivers in Milwaukee County, Wisconsin. We use the family biotic index for insects and other closely related arthropods.

School District of Waukesha/Fox River Sanctuary Program (1978)

222 Maple Ave., Waukesha, WI 53186

ph 414-521-8748 • fax 414-521-8646 • email jfinger@execpc.com

Coordinator Jack Finger

RIVER/STREAM Volunteers 14 teachers/2,000 students

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS Biological macroinvert., bacteria, fecal coliform Other activities debris cleanup Data users our program Data uses educ. Funding sources local gov't, school district budget

The School District of Waukesha's Fox River Sanctuary Program monitors the Fox River in 9 categories plus benthic evaluation each fall and spring. Our program is part of the grade 7 & 8 science curriculum and part of a K-8 integrated sequential environmental education program. Each year assorted 9-12 classes also monitor the Fox River and Pebble Creek which flows into it.

Testing the Waters: Linking Students and Water Through Technology (1990)

Riveredge Nature Center, P.O. Box 26, 4458 W. Hawthorne Dr., Newburg, WI 53060-0026

ph 414-375-2715 • fax 414-375-2714 • email tc@omnifest.uwm.edu

Coordinator Terrie Cooper

RIVER/STREAM Volunteers 75, + 50 teachers/2,000 students

Phys/chem water temp., pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus, TSS/TDS, metals, flow/water level Biological macroinvert., habitat assessments, aquatic veg., terrestrial veg. Other activities debris cleanup, land use surveys, storm drain stenciling, public forums Data users our program, community org's, state and local gov't Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation Funding sources state gov't, foundations, donations Annual budget ~\$20,000

Testing the Waters is an environmental education program that educates thousands of high school students in Milwaukee and surrounding communities about river ecology, stream biology, and responsible citizenship. Students learn to collect water quality data, research land influences affecting the river, and develop measures to protect waterways. Since 1990, more than 15,000 students have tested water quality at sites along the Milwaukee River system and Oak Creek, with the number increasing yearly as more schools become involved.

Washington Park High School/Root River 2000 (1997)

1901 - 12th St., Racine, WI 53404

ph 414-635-5800 • fax 414-635-5823 • email ParkSci@WI.net • Web parkhs.racine.K12.WI.us/Root2K

Coordinator Joan Bennett

RIVER/STREAM Volunteers 6 teachers/30 students

Green Bay Southwest High School/Duck Creek Water Quality Monitoring (1990)

1331 Packerland Dr., Green Bay, WI 54304

ph 920-492-2650 • fax 920-492-5561

Coordinators Scott Liddicoat; Steve Krings

RIVER/STREAM Volunteers 4 teachers/500 students

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS Biological macroinvert., habitat assessments, bacteria, fecal coliform Other activities debris cleanup, storm drain stenciling Data users our program, community org's Data uses educ. Funding sources state gov't Annual budget ~\$300

Green Bay Southwest High School does chemical and macroinvertebrate testing on Duck Creek, a medium-size stream in our attendance area. Duck Creek is part of the lower Fox River watershed. The chemical testing is done by our junior "Chemistry in the Community" class, and the macroinvertebrate testing by all sophomore students taking Biology. Our program is based on Mark Mitchell and Bill Stapp's "Field Manual for Water Quality Testing" (from GREEN, in Michigan).

Inland Sea Society/Community Stewardship Program (1997)

P.O. Box 145, Washburn, WI 54891

ph 715-373-0674 • email iss@win.bright.net • Web www.inlandsea.org

Coordinator Mike Gardner

RIVER/STREAM, ESTUARY, WETLAND, BEACH, GROUNDWATER, LAND Volunteers 25

Phys/chem water temp., pH, DO, BOD, turbidity, nitrogen, phosphorus, TSS/TDS, flow/water level, sediment Biological macroinvert., habitat assessments, aquatic veg., terrestrial veg., exotic/invasive spp. (purple loosestrife) Other activities debris cleanup, debris monitoring, land use surveys, stream channel morph., restoration (bioengineering) Data users our program, community org's Data uses educ., advocacy, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed planning, plan restoration Funding sources memberships, grassroots fundraising

The Inland Sea Society's Community Stewardship Program offers opportunities for citizens to learn how to protect and restore land and water resources of the Lake Superior Basin. The Sioux River watershed is used as a demonstration for workshops, public events, and monitoring techniques.

LoonWatch (1978)

Sigurd Olson Environmental Institute, Northland College, Ashland, WI 54806

ph 715-682-1220 • Web www.NORTHLAND.EDU/SOEI

LAKE/POND, RESERVOIR, WETLAND Volunteers 500

Biological birds (loons) Other activities wildlife habitat mgt Data users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., advocacy, research, community organizing, screen for problems, estab. baseline conditions, land use decisions, watershed planning, plan restoration, enforcement Funding sources donations Annual budget ~\$1,000

LoonWatch works to protect and preserve the Common Loon and its nesting habitat in Wisconsin and Minnesota through education, population monitoring, and research. We assist the Minnesota DNR non-game program with volunteer training. Although loons nest primarily in the northern third of Wisconsin, we collect information on migrating birds in any Wisconsin county. Currently about 25 counties have active monitoring.

Lucky Hills 4-H/Adopt A Lake

9922 Swamp Lake Rd., Tomahawk, WI 54487

ph 715-453-3442

Coordinators Deloris Larson; George Larson

LAKE/POND Volunteers 24

Phys/chem water temp., pH, DO, Secchi, pesticides Biological macroinvert., fish, habitat assessments, aquatic veg., wildlife Other activities debris monitoring, land use surveys Data users community org's, state gov't Data uses educ., research, land use decisions Funding sources grassroots fundraising Annual budget ~\$100 Affiliation Wisconsin DNR Self-Help Lake Monitoring; Adopt-A-Lake; 4-H

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Dane County Water Education Resource Center/Dane County Water Watchers (1989)

Dane County UW-Extension Office, 1 Fen Oak Ct., Room 138, Madison, WI 53718-8812

ph 608-224-3718 • fax 608-224-3727 • email habecker@co.Dane.WI.US

Coordinator Mindy Habecker

RIVER/STREAM, LAKE/POND, WETLAND, GROUNDWATER, LAND

Volunteers 70, + 30 teachers/3,000 students

Phys/chem water temp., pH, DO, Secchi, turbidity, nitrogen, chloride, hardness, alkalinity, flow/water level
Biological macroinvert., habitat assessments, aquatic veg. Other activities debris cleanup, land use
surveys, storm drain stenciling Data users our program, community org's, local gov't Data uses educ.,
advocacy, community organizing, screen for problems, estab. baseline conditions, nonpoint source assessment,
plan restoration Funding sources state and local gov't, donations Annual budget ~\$500

Dane County Water Education Resource Center is a network of local organizations coordinated by the Dane County UW-Extension Office. All sponsoring organizations provide training on water and watershed topics, and the Center also provides resources, equipment, expertise, and training. Water Watcher volunteers monitor stream water quality, improve streambanks, and help curb urban and rural runoff pollution.

Fox Lake Inland Lake District (1991)

W10543 County Hwy F, Fox Lake, WI 53933

ph 920-928-2772 • fax 920-928-3851 • email FLILPARD@CENTURYINTER.NET

Coordinator Mary Danoski

LAKE/POND, WETLAND Volunteers 6 teachers/200 students

Phys/chem water temp., pH, DO, Secchi, nitrogen, phosphorus Biological macroinvert., fish, habitat
assessments, aquatic veg., phytoplankton, exotic/invasive spp. Other activities debris cleanup, debris
monitoring, land use surveys, photo surveys, construction site inspec., restoration (erosion control) Data
users our program, community org's, fed., state, and local gov't Data uses educ., research, community
organizing, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions,
watershed planning, plan restoration, enforcement, legislation Funding sources state and local gov't
Affiliation Wisconsin Association of Lakes; North American Lake Management Society

Fox Lake Inland Lake District involves teachers and adult volunteers in hands-on activities to gather information to be used in classroom situations and at quarterly forums. We train students in Secchi disk and extended monitoring tests. We are adding an outdoor lab with fish cribs and piers built over our wetland for use by children and adults.

Geneva Lake Environmental Agency (1975)

P.O. Box 200, Fontana, WI 53125-0200

ph 414-275-6310 • fax 414-275-1134

Coordinators George Johnson; Ted Peters

LAKE/POND, WETLAND, BEACH, GROUNDWATER, AIR, LAND Volunteers 1

Phys/chem water temp., rainfall, pH, DO, Secchi, nitrogen, phosphorus, TSS/TDS, conductivity, chloride,
hardness, alkalinity, flow/water level Biological habitat assessments, bacteria, chlorophyll, aquatic veg.,
terrestrial veg., phytoplankton, exotic/invasive spp. (zebra mussels, Eurasian milfoil, purple loosestrife) Other
activities debris cleanup, land use surveys, human use surveys, construction site inspec., restoration Data
users our program, community org's, fed., state, and local gov't, univ. scientists Data uses educ., advocacy,
research, estab. baseline conditions, nonpoint source assessment, BMP evaluation, land use decisions, watershed
planning, plan restoration, legislation, swimming advisories Funding sources fed., state, and local gov't,
donations Annual budget ~\$17,000

Geneva Lake Environmental Agency monitors water quality, groundwater, and atmospheric conditions of Geneva Lake and its watershed. We also restore natural areas.

Burlington High School Fox River Watch (1990)

225 Robert St., Burlington, WI 53105

ph 414-763-0200 • fax 414-763-0216 • email peterp@wi.net • Web www.execpc.com/~bhs

Coordinator Pamela Peters

RIVER/STREAM Volunteers 1 teacher/140 students

Phys/chem water temp., pH, DO, BOD, Secchi, turbidity, nitrogen, phosphorus, hardness, flow/water level

Biological macroinvert., habitat assessments, bacteria, fecal coliform Other activities debris cleanup

Data users our program Data uses estab. baseline conditions Funding sources local gov't, school

budget Annual budget ~\$500

Burlington High School students monitor the Fox River using benthic macroinvertebrates and nine chemical parameters. We would like to establish contact with other schools that monitor water quality.

Cambridge Elementary School Fifth Grade (1995)

P.O. Box 27, 211 South St., Cambridge, WI 53523

ph 608-423-3236

Coordinator Mary Beth Steven

RIVER/STREAM Volunteers 1 teacher/25 students

Biological macroinvert. Other activities debris monitoring, storm drain stenciling Data users our program Data uses educ., screen for problems, estab. baseline conditions Funding sources state gov't

Annual budget \$0

Cambridge Elementary School Fifth Grade studies the nearby Koshkonong Creek each year. We complete a stream walk survey, insect sampling, and mapping activities. Students listen to local creek history, tour the water treatment facility, build watershed models, and measure the water speed. We are keeping data on the stream walk, water velocity, and insect samplings.

Citizen Lake Monitoring Network/Spring Lake & Lake Pepin, Mississippi River (1994)

Minnesota-Wisconsin Boundary Area Commission, 619 Second St., Hudson, WI 54016-1576

ph 715-386-9444; 612-436-7131 • fax 715-386-9571 • email mwbac@mail.state.wi.us

Coordinator Eric Macbeth

LAKE/POND Volunteers 10

Phys/chem water temp., Secchi, turbidity, phosphorus, TSS/TDS Biological chlorophyll Data users our program, state and local gov't Data uses educ., research, screen for problems, estab. baseline conditions, water quality policy Funding sources local gov't Annual budget ~\$17,000

Citizen Lake Monitoring Network volunteers collect data every two weeks from mid-May through September as part of a set of studies on phosphorus in two Mississippi River lakes downstream of the Twin Cities metro wastewater treatment plant. Volunteers provide several water quality perception ratings as well as collect a water sample and Secchi depth reading.

Colfax High School Biology/Adopt A Stream (1991)

601 University Ave., Colfax, WI 54730

ph 715-962-3155 • fax 715-962-4024

Coordinator Mark Mosey

RIVER/STREAM Volunteers 4 teachers/30 students

Phys/chem water temp., pH, DO, BOD, turbidity, hardness, alkalinity, flow/water level Biological macroinvert., habitat assessments, aquatic veg., birds, wildlife Other activities debris cleanup, stream

channel morph., storm drain stenciling, restoration (dam removal, trout management) Data users our program, state and local gov't Data uses educ., research, community organizing, estab. baseline conditions,

nonpoint source assessment, plan restoration Funding sources local gov't, businesses, grassroots fundraising Annual budget ~\$500

Colfax High School Advanced Biology classes conduct research projects involving monitoring.

