

APPENDIX 5

ORGANIZATIONS and AGENCIES to CONSULT for TECHNICAL SERVICES

Pennsylvania is fortunate to have a wealth of organizations that provide services to volunteer monitoring groups. In most cases, these services are provided free of charge, or for a nominal fee. This appendix lists the organizations and agencies that are available to provide technical services to volunteer monitoring groups. The information presented comes from a survey of service providers DEP conducted in 2000. Only organizations and agencies that responded to the survey are listed.

Note that this is not a complete listing of service providers. It does not include some of the agencies that provide services. Nor does it include academic institutions, many of whom provide services to volunteer monitoring groups. We hope to expand this listing in the future. Look for an updated list at the CVMP Website: <http://www.dep.state.pa.us> directLINK "Volunteer Monitoring".

The following technical services are available from various organizations and agencies within Pennsylvania and in nearby states.

- ◆ **Monitoring Design:** Help in designing your monitoring program.
- ◆ **Assistance with Assessments in this Handbook:** Advice, guidance and training in how to carry out the assessments listed in this handbook.
- ◆ **Training in Specific Field and Lab Techniques:** Training in how to do the specific field and lab sampling, measurement and analysis needed to carry out the assessments listed in this handbook.
- ◆ **Assistance with Quality Assurance/Quality Control:** Assistance with setting up and carrying out a QA/QC program.
- ◆ **Data to Information:** Assistance with or training on how to manage and interpret your data.
- ◆ **Data to Action:** Assistance with or training on how to have your data used by individuals, organizations, businesses and agencies at levels appropriate to your program.
- ◆ **Program Evaluation:** Assistance with evaluating your monitoring effort to ensure that it meets the program goals and objectives.

In addition, we've included the following information about each service provider.

- ◆ **Service Delivery Methods:** How the organization or agency provides their services: "one-to-one" consultations, training workshops, written materials (publications, manuals guides, etc.), and grants for equipment or technical services. We've also included whether they charge for these services and how much.
- ◆ **Monitoring Assessments Supported:** We've also listed the assessments that service providers support with training or advice.

For more information about survey results and services provided by these and other organizations, agencies and institutions, contact the CVMP at 717-787-5259.

Alliance for Aquatic Resource Monitoring (ALLARM)

Contact: Lauren Imgrund (Director)

Address: Dickinson College Environmental Studies Department,

PO Box 1773

Carlisle, PA 17103

Phone # 717-245-1940

email: imgrund@dickinson.edu

Web Address: www.dickinson.edu/allarm

Geographic Focus: Statewide

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment
- Groundwater Basin Assessment

Advanced Stream Assessment

- Impairment Screening Biological Assessment
- Aquatic Life Designated Uses Assessment - Wadeable
- Aquatic Life Designated Uses Assessment - - Non-Wadeable
- Recreational Water Uses and Water Supply Assessment
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

Alliance for the Chesapeake Bay

Contact: Stacey Moulds (Volunteer Monitoring Coordinator)

Address:

PO Box 1981

Richmond, VA 23218

Phone # 804-775-0951

email: smoulds@erols.com

Web Address: www.acb-online.org

Geographic Focus: Chesapeake Bay Watershed in Va., Md., and Pa.

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment
- Groundwater Basin Assessment

Advanced Stream Assessment

- Impairment Screening Biological Assessment
- Aquatic Life Designated Uses Assessment - Wadeable
- Aquatic Life Designated Uses Assessment - Non-Wadeable
- Recreational Water Uses and Water Supply Assessment
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

Berks County Conservancy

Contact: Joseph Hoffman (Director of Natural Resources and Conservation)

Address:

960 Old Mill Road

Wyomissing, PA 19610-2522

Phone # 610-372-4992

email: berkscon@ptd.net

Web Address: www.berks-conservancy.org

Geographic Focus: Berks County

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment
- Groundwater Basin Assessment

Advanced Stream Assessment

- Impairment Screening Biological Assessment
- Aquatic Life Designated Uses Assessment - Wadeable
- Aquatic Life Designated Uses Assessment - Non-Wadeable
- Recreational Water Uses and Water Supply Assessment
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

Bradford County Conservation District and Lakes and Pond Association

Contact: Mike Lovegreen (Manager)

Address:

RR 5, Box 5030C

Towonda, PA 18848

Phone # 570-265-5539

email: Bradford.County@dep.state.pa.us

Web Address:

Geographic Focus: Bradford County

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
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- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
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- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

Canaan Valley Institute

Contact: George Constantz and Janie French (Watershed Resource Specialists)

Address: George Constantz
PO Box 673
Davis, WV 26260

Janie French
650 Leonard Street
Clearfield, PA 16830

Phone # 800-922-3601

888-549-7640

email: gconstantz@mail.canaanvi.org

jfcvi@csrlink.net

Web Address: www.canaanvi.org

Geographic Focus: Highlands of Pa., Md., Va.,
Wv.

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Nominal charge for workshops

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment
- Groundwater Basin Assessment

Advanced Stream Assessment

- Impairment Screening Biological Assessment
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- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

Creek Connections

Contact: Chris Resek

Address: Allegheny College

Box 10

Meadville, PA 16335

Phone # 814-332-5351

email: creek@alleg.edu

Web Address: <http://www.creekconnections@alleg.edu>

Geographic Focus: Western Pa.

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
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- Nonpoint Source Impact Assessment
- Groundwater Basin Assessment

Advanced Stream Assessment

- Impairment Screening Biological Assessment
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- Aquatic Life Designated Uses Assessment - Non-Wadeable
- Recreational Water Uses and Water Supply Assessment
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

Delaware Riverkeeper Network

Contact: Faith Zerbe and Fred Stine (Citizen Action Coordinators)

Address:

PO Box 326

Washington Crossing, PA 18977

Phone # 215-369-1188

email: drn@delawariverkeeper.org

Web Address: www.delawariverkeeper.org

Geographic Focus: Delaware River watershed
(parts of Pa., NY, and De.)

Water Body Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Trainings are free; \$30 for annual Congress; \$10 for manual

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment
- Groundwater Basin Assessment

Advanced Stream Assessment

- Impairment Screening Biological Assessment
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- Aquatic Life Designated Uses Assessment - Non-Wadeable
- Recreational Water Uses and Water Supply Assessment
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

Environmental Alliance for Senior Involvement (EASI), Pa. Senior Environment Corps

Contact: Thomas Benjamin (President)

Address:

PO BOX 250
9292 Old Dumfries Road
Catlett, VA 20119

Phone # 540-788-3274

email: Tom@easi.org

Web Address: www.easi.org

Geographic Focus: Statewide

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment
- Groundwater Basin Assessment

Advanced Stream Assessment

- Impairment Screening Biological Assessment
- Aquatic Life Designated Uses Assessment - Wadeable
- Aquatic Life Designated Uses Assessment - - Non-Wadeable
- Recreational Water Uses and Water Supply Assessment
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

Indiana County Conservation District

Contact: Louis Kopczyk

Address:

1432 Rt. 286 Highway E

Indiana, PA 15701

Phone # 724-463-8547

email: indiana.county@dep.state.pa.us

Web Address:

Geographic Focus: Indiana County

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment
- Groundwater Basin Assessment

Advanced Stream Assessment

- Impairment Screening Biological Assessment
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- Aquatic Life Designated Uses Assessment - - Non-Wadeable
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- Point Source Impact Assessment
- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

Pa. DCNR Bureau of State Parks (BSP)

Contact: Terri Kromel

Address: Bureau of State Parks

P.O. Box 8551

Harrisburg, PA 17105-8551

Phone # 717-783-4356

email: tkromel@dcnr.state.pa.us

Web Address: <http://www.dcnr.state.pa.us/environmentaleducationgw.html>

Geographic Focus: Statewide

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

\$30-50 fee for training workshops

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment
- Ground Water Basin Assessment

Advanced Stream Assessment

- Impairment Screening Biological Assessment
- Aquatic Life Designated Uses Assessment - Wadeable
- Aquatic Life Designated Uses Assessment - - Non-Wadeable
- Recreational Water Uses and Water Supply Assessment
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

Pa. Department of Environmental Protection Citizens' Volunteer Monitoring Program

Contact: Diane Wilson (Coordinator)

Address: Pa. DEP, Bureau of Watershed Conservation

PO Box 8555

Harrisburg PA 17105-8555

Phone # 717-787-3730

email: citizens.monitoring@dep.state.pa.us

Web Address: <http://www.dep.state.pa.us> directLINK "Volunteer Monitoring"

Geographic Focus: Statewide

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment
- Groundwater Basin Assessment

Advanced Stream Assessment

- Impairment Screening Biological Assessment
- Aquatic Life Designated Uses Assessment - Wadeable
- Aquatic Life Designated Uses Assessment - Non-Wadeable
- Recreational Water Uses and Water Supply Assessment
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

River Network (RN)

Contact: Geoff Dates (River Watch Program Director)

Steve Dickens (Watershed Program manager)

Address: River Watch Program

153 State Street

Montpelier, VT 05602

Phone # Geoff Dates – 802-436-2544

Steve Dickens – 802-985-8666

email: gdates@rivernetwork.org

sdickens@rivernetwork.org

Web Address: www.rivernetwork.org

Geographic Focus: National

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Consultations are free. Workshop fees are charged.

There is a \$10-25 charge for publications.

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment
- Groundwater Basin Assessment

Advanced Stream Assessment

- Impairment Screening Biological Assessment
- Aquatic Life Designated Uses Assessment - Wadeable
- Aquatic Life Designated Uses Assessment - - Non-Wadeable
- Recreational Water Uses and Water Supply Assessment
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

Schuylkill Riverkeeper (field office of Delaware Riverkeeper)

Contact: Faith Zerbe (Citizen Action Coordinator)

Address:

PO Box 459

St. Peters, PA 19470

Phone # 610-469-6005

email: srk@worldlynx.net

Web Address: www.delawariverkeeper.org

Geographic Focus: Schuylkill River Watershed

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Trainings are free; \$30 for annual Congress; \$10 for manual

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment
- Groundwater Basin Assessment

Advanced Stream Assessment

- Impairment Screening Biological Assessment
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- Aquatic Life Designated Uses Assessment - Non-Wadeable
- Recreational Water Uses and Water Supply Assessment
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

Stroud Water Research Center

Contact: Kristen Travers (Education Program Manager)

Address:

970 Spencer Road
Avondale, PA 19311

Phone # 610-268-2153 x239

email: ktravers@stroudcenter.org

Web Address: <http://www.stroudcenter.org/outreach/index.htm>

Geographic Focus: National

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Charge for workshop to recover costs.

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment
- Groundwater Basin Assessment

Advanced Stream Assessment

- Impairment Screening Biological Assessment
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- Aquatic Life Designated Uses Assessment - Non-Wadeable
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- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

US Geological Survey

Contact: Dan Galeone (Hydrologist)

Address:

840 Market St.

Lemoyne, PA 17043

Phone # 717-730-6952

email: dgaleone@usgs.gov

Web Address: <http://pa.water.usgs.gov>

Geographic Focus: Statewide

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
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- Point Source Impact Assessment
- Nonpoint Source Impact Assessment

Advanced Lakes Assessment

- Screening Assessment
- Impairment Determination Assessment
- Comprehensive Lake Watershed Assessment

Advanced Stream and Lake Trend Assessment

- Long Term Monitoring - Wadeable
- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment

Washington County Watershed Alliance

Contact: Joan Jessen (Treasurer)

Address:

159 Panterbury Lane

McMurray, PA 15317

Phone # 724-941-9370

email: wccd@cobneb.net

Web Address: N/A

Geographic Focus: Washington County

Waterbody Focus

- Rivers and Streams
- Wetlands
- Lakes

Types of Services

- Monitoring Design
- Assistance with Surveys in this Handbook
- Training in Specific Field and Lab Techniques
- Assistance With Quality Assurance/Quality Control
- Data to Information
- Data To Action
- Program Evaluation

Service Delivery Methods

- One-to-one consultations
- Training workshops
- Written materials (publications, manuals, guides, etc.)
- Grants for equipment or technical services

Charge for Services Yes No

Charge for training/workshops

Monitoring Assessments Supported

Basic Watershed Inventory and Assessment

- Watershed Inventory
- Condition & Trend Assessment - Wadeable
- Condition & Trend Assessment - Non-Wadeable
- Condition & Trend Assessment - Lakes
- Point Source Impact Assessment
- Nonpoint Source Impact Assessment
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Advanced Stream Assessment

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- Long Term Monitoring - Non-Wadeable
- Long Term Monitoring - Lakes

Advanced Groundwater Assessment