



State of Ohio
Environmental Protection Agency

Division of Surface Water

Nonpoint Source Program
FFY09 Annual Report
Executive Summary—Ohio EPA Only



September 11, 2009

Ted Strickland, Governor
Chris Korleski, Director



FFY2009 Nonpoint Source Management Program Division of Surface Water

Introduction: During FFY2009, Ohio EPA received \$5,864,800 in federal section 319(h) grant funds under provisions of US EPA Grant # C997550009 to implement Ohio's Nonpoint Source (NPS) Program. The framework for Ohio's NPS Program is detailed in the NPS Management Plan that was approved by US EPA on August 29, 2006. Provisions of the approved plan effectively guide Ohio's implementation of state and local nonpoint source management measures and activities through 2010. Ohio's approved NPS Management Plan is available for review on the internet at: <http://www.epa.state.oh.us/dsw/nps/NPSMP/index.html>.



Streambank stabilization projects such as this one in Honey Creek (#06(h)EPA-06 are important tools for reducing erosion sediment loadings and restoring Ohio's streams.



Ohio EPA's NPS Program supports implementation of several statewide water quality initiatives. These include the state's overall goal of having 80% of Ohio waters in attainment of their designated aquatic life use by 2010. In turn, these strategic priorities enhance Ohio's NPS program by:

1. Effective local project implementation and efficient state program administration
2. Improving local and state program capacity
3. Aligning grant resources to TMDL and watershed plan implementation
4. Funding projects that eliminate impairments and restore impaired waters rather than simply focusing on theoretical nonpoint source load reductions.

Activities successfully implemented during FFY09 to support and/or enhance Ohio EPA's Nonpoint Source Program include:

Grants Management & Administration: An important component of Ohio's program is the effective management of more than \$3 million awarded annually in section 319(h) subgrants. Grants management activities conducted by Ohio EPA are designed to insure appropriate alignment of section 319(h) grant funding with implementation of TMDLs, endorsed local watershed action plans and other watershed restoration activities conforming to federal program guidance. During the past 12 months, continued improvements to Ohio EPA's grant management practices have been made. Specifically, during FFY09 Ohio EPA:

- **New Initiative:** Received the first deposits to the recently established Surface Water Improvement Fund (SWIF) within the Division of Surface Water. The SWIF will be administered by Ohio's Nonpoint Source Program staff and will be used by Ohio EPA to award grants to local implementers for nonpoint source management, restoration and innovative storm water management projects. Project selection will be driven by recommendations in approved TMDL studies as well as state endorsed 9-element watershed action plans. Provisions of the SWIF also will allow Ohio EPA to target implementation resources both geographically and statewide, depending on various restrictions identified in the source revenues. As of this time, more than \$4 million has been received by Ohio EPA in the Surface Water Improvement Fund.
- **New Initiative:** Convened an Ohio EPA-DSW workgroup to develop eligibility and application criteria, funding limits and grants management mechanisms for the soon to be released Surface Water Improvement Fund (SWIF) grants. The workgroup was comprised of Ohio EPA nonpoint source, water quality and district office program staff and was convened to provide SWIF grant program recommendations to Ohio EPA leadership. A draft SWIF Request for Proposals has been developed and is currently being finalized for distribution. We anticipate the SWIF RFP will be released in late fall 2009 or early winter 2010. The types of projects that qualify for SWIF funding include:
 - Stream restoration and renaturalization
 - Riparian restoration and protection
 - Wetland restoration and protection
 - Innovative storm water management practices
 - Highly targeted agricultural BMP demonstration projects
 - Replacement or repair of failing home sewage treatment systems

SWIF funding allows Ohio EPA to expand nonpoint source programming efforts into areas such as storm water management demonstration and HSTS replacement projects that are not typically authorized in Ohio for section 319 grant funding.

- We continue to evaluate and reallocate nonpoint source and section 319 program staffing resources. During FFY09, we added Rick Wilson as technical agricultural specialist to the nonpoint source program staff. Rick is an engineer with a very strong background in all things agricultural. He previously worked with Ohio EPA in our Concentrated Animal Feeding Operations (CAFO) unit and brings a wealth of energy, enthusiasm and experience. Staffing otherwise has remained constant in Ohio's NPS Program with 5 central office staff and 2 FTE equivalents in our district offices. Based upon staffing concerns raised by Region 5 NPS staff during their

assessment of Ohio's NPS Program conducted in Columbus 08/05/08 through 08/07/08, we continue to evaluate staffing needs and program delivery effectiveness.

- Ohio EPA NPS grants staff currently administers 62 active section 319 subgrant funded projects spanning four different grant cycles. Except for a single FFY05 funded project, all open subgrants are section 319 subgrants awarded during the FFY06 through FFY09 grant cycles. This is a substantial improvement from previous years when active projects sometimes approached 100 and is a testament to the ongoing commitment by local implementers to complete projects timely and NPS grants staff closing subgrants quickly after their expiration date.
- **New Initiative:** Beginning with the FFY09 grants cycle, Ohio EPA revised its payment procedures for subgrants to move towards a system for payments that more closely aligns with federal guidelines. Subgrantees will be able to request a "working capital advance" upon notification of their grant awards. All subsequent payments may only be requested after costs have been invoiced and incurred. This important revision will move subgrantees towards a reimbursement payment process and improve subgrant fund management by Ohio EPA.
- During the reporting period, grants unit staff continued to maintain excellent compliance with updating the Grants Reporting and Tracking System (GRTS) database. Ohio's mandatory elements exception reports continue to note few if any, missing elements in GRTS.
- All load reduction estimates have been calculated and updated in the federal Grants Tracking System (GRTS). *(Please refer to Tables 2-1 through 2-7 for respective load reduction updates).*
- Throughout the FFY09 reporting period, Ohio NPS grants staff processed 64 subgrant payments requests, 193 quarterly fiscal reports and 12 final payments were processed for subgrants that closed out. Additionally, all section 319 grant funded project summaries were updated with data received from semi-annual progress reports. The Ohio EPA NPS website was updated with most recent implementation data received from subgrant project managers.
- Successfully updated the FFY10 section 319(h) Request for Proposals. The RFP was distributed in January 2009 with applications due May 7, 2009. The RFP resulted in the receipt of proposals for 12 projects under the FFY10 grant cycle requesting more than \$3.6 million in section 319 grant funding. The updated FFY2010 Request for Proposals is available on the Ohio EPA-DSW-NPS website at: http://epa.state.oh.us/dsw/nps/319_program.html.
- Revised FFY10 subgrant application forms to improve the quality of information collected during the grant application process. Updated forms are posted on the DSW-NPS website at: http://epa.state.oh.us/dsw/nps/319_program.html.
- **New Initiative:** Streamlined FFY10 grant review criteria forms and score sheets while improving review focus on information critical for determining an applicant's readiness-to-proceed and the likely environmental benefits from proposed projects. Enlisted Ohio EPA's Ecological Assistance staff in the process of grant review. Their completion of the environmental review of proposed projects is proving valuable by insuring that nonpoint source practices are being funded in areas where they are most likely to improve water quality conditions.

- **New Initiative:** Ohio NPS Program staff worked closely with Ohio EPA’s Public Involvement Center to develop a marketing plan for Ohio’s Section 319 grants program. As a result, direct mail information announcing grant availability was distributed to more than 700 local governments, park districts and others.
- **New Initiative:** NPS Program Manager Russ Gibson provided a section 319 overview and grants presentation at the annual conference of the Ohio Parks and Recreation Association (OPRA) in Columbus, Ohio on 01/13/09. OPRA was a target audience identified during the process of preparing Ohio’s NPS Marketing Plan.
- Conducted 5 regional FFY10 Grants RFP Meetings attended by approximately 200 participants. Dates and locations when such meetings occurred are listed below:
 - 02/02/09—Ohio EPA Southwest District Office, Dayton
 - 02/04/09—Ohio EPA Central District Office, Columbus
 - 02/05/09—Ohio EPA Northeast District Office, Twinsburg
 - 02/10/09—Ohio EPA Northwest District Office, Bowling Green
 - 02/11/09—Ohio EPA Southeast District Office, Logan
- Prepared and executed 9 FFY09 section 319(h) subgrant work plans, grant agreements and other supporting documents with project funding totaling more than \$2.2 million in section 319 funding. Please refer to FFY09 Project Summaries in later sections of this report for details about each of these projects.
- Maintained a subgrant “Expenditure-to-Date” report for active grants that allows for effective subgrant fund management and helps to insure compliance with federal cash management requirements. We also are maintaining a “Grants Closed Out to Date” report that tracks similar information for grants that have been closed out. Copies of these reports are available upon request.
- Ohio EPA NPS grants staff continues to close out subgrants in a timely and efficient manner. During the reporting period, 15 section 319 subgrants were closed out from 4 previous grant cycles from FFY05 through FFY08. We have noticed a significant improvement in local subgrant close-outs since enacting a policy discouraging subgrant extensions. ***(A complete listing of grants closed out during the reporting period is included in Table 1).***
- Conducted subgrant project update meetings and site visits with 24 local subgrantees. Project update meetings and site visits are typically conducted during or near the first year anniversary of a subgrant award. They are designed to insure that adequate progress is being made on grant funded projects. It is during these visits where we may also work with subgrantees to make the necessary revisions to insure that projects will be completed in a timely manner.
 - #05(h)EPA-05—ODNR-Scenic Rivers Program (Kokosing & Mad Rivers Planning)
 - #05(h)EPA-06—Franklin County Metroparks (Big Darby Creek)
 - #05(h)EPA-10—Western Reserve Land Conservancy (Chagrin River)
 - #05(h)EPA-26—River Institute (Liberty Park-Cuyahoga River)
 - #06(h)EPA-06—Miami County SWCD (Honey Creek)
 - #06(h)EPA-08—Little Beaver Creek Land Partnership (Little Beaver Creek)
 - #06(h)EPA-09—NEFCO (Potter Creek)
 - #06(h)EPA-18—Cuyahoga County Board of Health (Mill Creek-Cuyahoga River)
 - #06(h)EPA-23—Five Rivers Metroparks (Stillwater River)
 - #06(h)EPA-24—Greene County SWCD (Little Miami River)

- #06(h)EPA-25—West Creek Watershed Group (West Creek)
- #06(h)EPA-27—City of Columbus (Olentangy River)
- #06(h)EPA-28—Holden Arboretum (Chagrin River)
- #06(h)EPA-35—Five Rivers Metroparks (Stillwater River)
- #06(h)EPA-36—Rivers Institute (Beetree Run)
- #07(h)EPA-05—Ohio State University (Watershed Academy)
- #07(h)EPA-06—Greene County Sanitary Engineer (Little Miami)
- #07(h)EPA-08—The Nature Conservancy (Big Darby Creek)
- #07(h)EPA-13—Rivers Institute-Bath Township (Bath Creek-Cuyahoga River)
- #07(h)EPA-15—Rivers Institute (Clover Groff)
- #07(h)EPA-16—Rural Action, Inc. (Monday Creek)
- #08(h)EPA-06—Bainbridge Township Trustees (Chagrin River)
- #08(h)EPA-16—Five Rivers Metroparks (Stillwater River)
- #08(h)EPA-19—The Nature Conservancy (Big Darby Creek)
- #08(h)EPA-22—Greene County Sanitary Engineer (Massie Creek)
- #08(h)EPA-26—Rivers Institute (Merritt Ditch)
- #08(h)EPA-30—Ohio State University (NPS Monitoring Conference)
- Provided technical assistance to 19 local governments, watershed groups and others, including:
 - City of Columbus
 - City of Delaware/Delaware County Fair Board
 - Preservation Parks of Delaware County
 - City of Marysville
 - Northeast Ohio Watershed Coalition
 - Ohio Parks and Recreation Association
 - Ohio State University—Facilities Management
 - Greene County Sanitary Engineer
 - Friends of the Lower Olentangy
 - Delaware County Stormwater Department
 - Franklin County Soil & Water Conservation District
 - Ohio State University—Waterman Farms Dairy Facility
 - Mad River Joint Board
 - Mohican River Watershed Board
 - City of Celina
 - Grand Lake St. Mary's State Park
 - City of Dayton
 - Miami Conservancy District
 - Five Rivers Metroparks System
- Under the second year of a memorandum of agreement with the Ohio Department of Natural Resources Office of Internal Audits, auditors will be performing financial compliance reviews of 10 section 319 subgrantees during the upcoming year. We will be forwarding a new list of subgrantees to be audited during FFY10. Last year's results were very encouraging with compliance questions arising on less than 1% of the more than \$3.8 million in total expenditures that were audited. Ohio EPA will continue this relationship with ODNR's Internal Audit staff during FFY09 to insure that section 319 funds are being properly managed by subgrantees.
- **New Initiative:** Ohio EPA and ODNR Internal Audit staff investigated issues related to contracting costs being billed and paid under provisions of project #06(h)EPA-24. Investigation by Ohio EPA NPS staff discovered that several costs were billed by (and paid to) their subcontractor Little Miami River Partners, for educational and

outreach work that was never provided to the Greene County SWCD. Costs were identified, receipts requested and a compliance review completed that determined that approximately \$3,000 in unsubstantiated charges. Funds were repaid by the watershed group to the Greene County SWCD and subsequently returned unspent to Ohio EPA. A full audit of the watershed group is currently underway by ODNR Internal Audit staff. We anticipate final resolution of the final audit during October, 2009.

- Continued use of the **TRAX** computerized grants-management database that was developed using section 319 funding during FFY2007. Due to continued access and support issues, as well as cumbersome entry requirements, we may discontinue using this database in FFY2009. Discussions regarding the future use of TRAX in our program are ongoing.
- Continued to enhance the Ohio EPA-DSW NPS and Section 319 websites to strengthen their value as resources for subgrantees, watershed groups, Ohio EPA and others. A full suite of grants related guidance documents, forms and information are now included as reference tools as well as up-to-date project summaries for all grant funded projects since FFY2003. FFY2009 project summaries were created and posted on the site, as well as updated FFY2010 Section 319 RFP, grant application materials and other materials.
- NPS Staff attended various US EPA sponsored grant trainings and/or meetings including:
 - 16th National NPS Monitoring Workshop in Columbus, OH (09/08)
 - National NPS Program Meeting in San Diego, California (02/09)
 - Region 5 TMDL Tracking Pilot Meeting in Chicago (4/09)
 - Region 5 TMDL Practitioner's Meeting in Red Wing, MN (4/09)
 - 17th National NPS Monitoring Workshop in New Orleans, LA (9/09)
- **New Initiative:** Participated in an evaluation and review of ODNR's Watershed Coordinator Grants program and Ohio State's Watershed Academy with Region 5 NPS staff in Columbus on 06/18/09. The review assessed effectiveness of watershed coordinator implementation of state endorsed 9-element watershed action plans as well as the relevance of Watershed Academy curricula to improving implementation. These two programs are funded with Section 319 funds subgranted from Ohio EPA that are state matched by ODNR and OSU.
- Continued section 319 project monitoring program by Ohio EPA's Ecological Assessment Unit (EAU). EAU biologists completed baseline biological and chemical monitoring of watersheds where FFY08 section 319-funded projects will be implemented. Follow-up monitoring will be completed in 2011 following completion of all FFY08 funded projects. This initiative saves approximately \$300,000 annually from Ohio EPA's previous practice of subgranting funds to project sponsors for project monitoring and assessment. Baseline assessments completed under this initiative are included with the FFY08 Project Summaries in latter sections of this annual report. FFY09 section 319 project baseline monitoring is currently underway by EAU.

TMDL Development and Watershed Assessment: An important component of Ohio's NPS efforts is the ongoing assessment of watersheds throughout the state and the completion of Total Maximum Daily Load (TMDL) studies. In addition to very specifically providing a valuable tool for assessing water quality on a watershed-

wide basis, the TMDL process also identifies science-based recommendations for addressing impairments caused by nonpoint sources of pollution. TMDL activities completed during the reporting period include:

- Continuing to improve alignment of nonpoint source program activities with TMDL studies and state endorsed 9-element watershed action plans.
- **New Initiative:** Ohio NPS and TMDL program staff are beginning the process of inventorying approved TMDL studies for recommended action items. This work is being conducted to provide the foundation for improved TMDL implementation tracking.
- **New Initiative:** Ohio's NPS and TMDL program managers participated in the Region 5 TMDL Implementation Tracking Pilot meeting conducted in Chicago in April, 2009. During the proceedings, Ohio's method for tracking implementation on Measure W watersheds was presented.
- **New Initiative:** Ohio EPA TMDL staff developed a "master universe of deliverables and units of measurement" that will help standardize implementation action items included in completed Total Maximum Daily Load Studies. This master deliverable list uses many of the same deliverables and units of measure as are used in Ohio's section 319 grants program. This will provide increased consistency as well as much improved implementation tracking efforts.
- Providing staff resources for the completion of TMDL studies. During FFY09, Ohio EPA submitted TMDLs for review and approval in 5 project areas covering 26 HUC watershed units. In addition, new TMDL initiatives commenced in 24 HUC watershed units in 6 project areas during the reporting period. TMDLs were submitted and approved (or at Region 5 and expected to be approved) by US EPA for the Powell Creek, Blanchard River, Salt Creek (Scioto basin), the Tuscarawas and Stillwater River watersheds. ***Please refer to Table 3-1 for an updated listing of watersheds for which TMDL studies are approved and/or in the process of being completed.***
- **New Initiative:** Work on the 2010 Integrated Water Quality Monitoring and Assessment Report was initiated. While the overall approach to the report will be similar to the past few reporting cycles, Ohio EPA anticipates making significant improvements to the report. We will continue to use the watershed-based listing approach, first used in 2002, but we plan to shift from the larger watershed assessment unit (11-digit hydrologic unit) to a smaller (12-digit hydrologic unit) watershed assessment unit size. Some of the large river units are also being split into smaller pieces. Altogether, these changes will provide for more precise reporting of water quality conditions in the report. For more information please see: <http://epa.state.oh.us/dsw/tmdl/2010IntReport/index.html>.



Ohio EPA Ecological Assessment Unit staff conducts fish sampling in the Olentangy River near a section 319 project site.

- New assessment areas include the following:
 - Great Miami River (middle)
 - Scioto River (upper)
 - Sandusky Bay tributaries
 - Sandusky River (lower)
 - Central Ohio River tributaries
 - Killbuck Creek

- Ohio EPA continued updating the TMDL monitoring web page. This site increases public access to TMDL information earlier in the process and promotes improved public understanding of the TMDL process and water quality issues affecting a particular watershed. The TMDL Monitoring web page is found at: <http://www.epa.state.oh.us/dsw/tmdl/monitoring.html>.

Watershed Planning & Support Services: Ohio EPA's NPS Program continues to support local watershed planning efforts through both financial and technical assistance. Since 2001, Ohio EPA has awarded more than \$3,380,000 in grants to the ODNR-Division of Soil & Water Resources to implement Ohio's Watershed Coordinator Program. These efforts have resulted in 35 fully state endorsed 9-element watershed action plans and 9 conditionally endorsed plans. 44 watersheds in Ohio have a designated watershed coordinator helping to protect and restore their streams. Ohio EPA activities supporting local watershed planning completed during the reporting period include:

- Ohio EPA provided financial support and general administrative oversight over the Watershed Coordinator Grant Program implemented by the ODNR-Division of Soil & Water Conservation. Ohio EPA subgrants \$400,000 annually to ODNR for this program—ODNR in turn provides approximately \$360,000 in matching state funds. This ODNR-administered program provides grant support for approximately 20 local watershed coordinators employed by soil & water conservation districts, non-profit organizations, local governments and others.

- During FFY09, 8 local watershed action plans were reviewed by Ohio EPA and Ohio DNR staff. Of these, 2 plans were fully endorsed and 2 plans were conditionally endorsed. The remaining 4 plans that were submitted and reviewed require additional revision by the watersheds. Following is a list of watershed plans that were submitted and reviewed by Ohio EPA, Ohio State University Extension and Ohio DNR during the reporting period:
 - Raccoon Creek (Fully Endorsed 11/08)
 - Old Woman Creek (First Review)
 - West Creek (Fully Endorsed 02/09)



Naturalist Mac Albin teaches participants of the 16th National NPS Monitoring Workshop how to “noodle” for mussels in Big Darby State and National Scenic River.

- Portage River (Draft Review)
 - Middle East Fork Little Miami River (Conditionally Endorsed 01/08)
 - Indian Lake Watershed (Conditionally Endorsed 08/08)
 - Rocky Fork (Second Review)
 - Tinker's Creek (First Review)
- **New Initiative:** Ohio EPA and ODNR continue to encourage local implementation and state tracking of endorsed 9-element watershed action plans. A key component of any tracking system is to have an accurate inventory of what it is you are trying to track. During the past year, Ohio's NPS Program has increased its emphasis on completing comprehensive inventories of recommended action items from state endorsed watershed action plans. To date, Ohio has successfully completed inventories of action items in 18 endorsed watershed action plans. Listed below are the watershed plans for which action item inventories have been completed:
 - Alum Creek-HUC 05060001-160
 - Lower Big Walnut Creek—HUC 0506001-120
 - Chagrin River—HUC 041100003
 - East Fork of the Little Miami River—05090202-130
 - Euclid Creek—HUC 04110003-010-020
 - Grand Lake St. Mary's—HUC 05120101-020-030
 - Mill Creek—HUC 05090903-010
 - Olentangy River—HUC 05060001-090-110
 - Rocky River—HUC 04110003-010-020
 - Salt Creek—HUC 05040004-060
 - Sandusky River (Tiffin & Honey Creek)—HUC 04100011-080-090
 - West Creek—HUC 04110002-060-030
 - White Oak Creek—HUC 05090201
 - Wolf Creek—HUC 05040004090
 - Leading Creek—HUC 05030202-090
 - Lower Mad River—HUC 05080001-170-180
 - Huff Run—HUC 0504001050
 - Monday Creek—HUC 05030204-060
- **New Initiative:** In preparation for the watershed coordinator program review conducted with Region 5 NPS program staff and ODNR, Ohio EPA conducted an "implementation audit" of 6 selected watersheds. Implementation data was obtained from reports submitted to ODNR-Division of Soil & Water Conservation by the local watershed coordinators for each of the audited watersheds. The audit was conducted by Ohio EPA and consisted of comparing implementation against recommended actions within the endorsed 9-element plans. The results of this assessment were varied—some watersheds reported a considerable amount of "implementation activities". However, the audit revealed that most of the actions reported were not related to recommended actions within a plan. Other audited watersheds reported little implementation during the reporting period. It is our intention to incorporate "implementation audits" into our standard oversight practices of the Watershed Coordinator Grant program which is administered by ODNR.
- **New Initiative:** In conjunction with recently completed scenic river designation studies, Ohio EPA approved a workplan revision and no-cost extension for section 319 funded project #05(h)EPA-05 to allow ODNR's Scenic River staff to also prepare 9-element watershed action plans for the Mohican and Mad Rivers. These plans are being prepared to support implementation of NPS management measures to improve conditions in Ohio's most recently designated state scenic rivers. Plans are expected to be complete and submitted for state endorsement in October, 2009.

- **New Initiative:** Hugh Trimble, Southwest Ohio District NPS Specialist provided extensive technical and coordinative assistance to the Mad River Joint Board in conjunction with preparation of the draft Mad River Watershed Action Plan. In addition to attending 8 meetings of the Mad River Joint Board, Hugh was also instrumental in the development of the draft Mad River watershed action plan by providing analysis of water monitoring data and preparing 12-digit HUC maps for inclusion in the draft plan.
- Continued providing section 319(h) sub-grant support to Ohio State University Extension to implement Ohio's Watershed Academy. Using a combination of web-based curriculum and classroom participation, the Watershed Academy provides important training to local watershed coordinators, board members and others throughout the state. During the reporting period 30 participants enrolled in the Watershed Academy, 23 of whom completed all required coursework, attended three days of face to face meetings/classes and graduated successfully from the Academy.
- Ohio EPA staff participated on Area Assistance Teams providing technical and programming support to all 319-funded local watershed planning efforts. Ohio EPA District NPS program staff routinely serves on local watershed planning committees and workgroups. Others participating on Area Assistance Teams include ODNR-Division of Soil & Water Conservation and Ohio State Extension.
- Annual reviews were conducted with all recipients of Ohio Watershed Coordinator Grants as part of ODNR-Division of Soil & Water Resources management of that program. Ohio EPA district NPS program staff participated in annual reviews in the following watersheds:
 - Twin Creek
 - East Fork Little Miami River
 - White Oak Creek
 - Stillwater River
 - Firelands Coastal Tributaries
 - Blanchard River
 - Sandusky River
 - Portage River
 - Upper Scioto River
 - Grand Lake St. Mary's/Wabash River
 - Duck Creek
 - Leading Creek
 - Middle Cuyahoga River
 - Vermillion River
 - Tinker's Creek
 - Euclid Creek
 - Rocky River
 - Black River
 - Chagrin River
 - Upper Grand River
 - Ashtabula River

Public Education & Outreach: Another important component of Ohio's NPS Management Program involves effectively communicating activities that are underway to address NPS impairments within Ohio's watershed. Outreach activities are also designed to provide Ohioans with information about actions that can be undertaken to help solve NPS impairments. Educational and Outreach activities completed during the reporting period include:

- Co-hosting with Ohio State Extension the 16th National NPS Monitoring Workshop in Columbus, Ohio on September 14-18,



- 2008. The workshop is sponsored annually by U.S. EPA and was attended by approximately 150 participants from 25 states and at least 1 tribe.
- Reprinted 300 copies of the program booklet completed last year that highlights Ohio's Nonpoint Source Program. This booklet has proven to be a popular "calling card" of Ohio's program, having been distributed widely during the reporting period. The distribution of this booklet was identified as a strategic outreach tool within the Section 319 program marketing plan that was prepared in partnership with our Public Involvement Center staff.
- Reprinted 200 copies of the Ohio's NPS Success Stories booklet completed last year that highlights Ohio's NPS Success Stories. The booklet features summaries highlighting several successful section 319(h) subgrant funded projects. This booklet is a companion piece to Ohio's NPS Program booklet.
- **New Initiative:** Provided technical assistance to the Franklin County SWCD with their proposal to make Waterman Farms (an OSU-owned facility) an agricultural best management practice demonstration farm. Their section 319 subgrant application was successfully submitted and is being recommended for FFY2010 section 319 funding. Implementation of this project will provide a living classroom for agricultural students at Ohio State and demonstrate best management practices for:
 - Overwide/self-forming channel ditch conversion
 - 2-stage channel conversion of traditional agricultural ditches
 - Conservation & nutrient management demonstration BMPs.
 - Livestock exclusion practices
 - Rotational grazing BMPs
 - Cover crops, composting and nutrient management
- **New Initiative:** Ohio EPA's NPS Program staff continues to provide reference services and technical assistance to staff at Grand Lake State Park in response to recent harmful algae blooms and *microcystin* levels that resulted in a recreational advisory contact. We are currently evaluating various lake (and watershed) management BMPs that may be appropriate to restore the waters of Grand Lake so that they are safe for human recreation and aquatic life use.
- Ohio EPA staff developed and staffed a display at the Ohio Farm Science Review. This annual 3-day trade show highlighting agriculture is conducted by Ohio State

University and attended by nearly 125,000 Ohioans—primarily from the agricultural community. Approximately \$5,000/year in section 319(h) funding supports the development of display materials and brochures that are distributed to attendees of the Farm Science Review. While engaged in planning for participation in this year's Farm Science Review, Ohio EPA's leadership elected to decline further participation in response to budget constraints. Although display materials etc., were funded using 319 funding, it was determined that staffing the display was not cost effective.



This restored stream on Highland Hills Golf Course in Cleveland was completed under project #06(h)EPA-18.

- **New Initiative:** In conjunction with the city of Cleveland and the Northeast Regional Sewer District, successfully implemented a golf course stream restoration and public education demonstration project at the Highland Hills Golf Course in Cleveland. This project was funded and implemented under provisions of subgrant #06(h)EPA-18. See the project summary for more information.

- **New Initiative:** Conducted a presentation on Ohio's Section 319 Program at the annual conference of the Ohio Parks and Recreation Association in Columbus, Ohio. OPRA was a target audience identified in our section 319 program marketing plan. Approximately 60 parks and recreation professionals attended the session.
- **New Initiative:** Conducted a nonpoint source program presentation at a grants training session conducted for Ohio State Park management staff in conjunction with the ODNR-Division of Parks and Recreation as well as the Ohio Parks & Recreation Association. Approximately 45 park professionals participated in the training.
- Continue to make ongoing revisions and updates to Ohio EPA's NPS and Section 319 web pages—see: <http://www.epa.state.oh.us/dsw/nps/319Program.html>. Section 319 subgrant funded project summaries are current through 08/20/09 and reflect data submitted in semi-annual technical reports that were due 07/31/09.
- Conducted NPS related presentations and outreach at the following events:
 - National NPS Program Manager's Meeting-San Diego, California (02/09)
 - TMDL Pilot Implementation Tracking Meeting-Chicago, Illinois (04/09)
 - Region 5 TMDL Practitioner's Meeting, Red Wing, MN (04/09)
 - Northeast Ohio Watershed Coalition Meeting-Shaker Heights, OH (01/09)
 - Ohio Watershed Leader's Conference (08/09)
 - 17th National NPS Monitoring Workshop, New Orleans, LA (09/09)
 - Friends of Alum Creek Media Event-Columbus, OH (10/08)
 - DSW Fall Water Quality Retreat—Columbus, OH (10/08)
 - ODNR-Division of Watercraft Strategic Planning Meeting—Columbus, OH (02/09)

- Mad River Joint Board—Urbana, OH (06/09)
 - Mohican Watershed Scenic River Advisory Council—Mansfield, OH (06/09)
 - Ohio Watershed Coordinator Orientation Training—Columbus, OH (10/08)
- **New Initiative:** Conducted a news conference and media event to celebrate the removal of the Englewood Lowhead dam on the Stillwater Scenic River near Dayton, Ohio. Five media outlets were present as well as representatives of Ohio EPA, ODNR-Scenic Rivers, and Five Rivers Metroparks. This event was coordinated and planned by Ohio EPA’s Public Involvement Center as part of our NPS program marketing efforts.
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- Ohio NPS Program Manager Russ Gibson speaking at FACT press conference celebrating the removal of two lowhead dams on Alum Creek that were funded under project #05(h)EPA-12.**
- **New Initiative:** Ohio EPA NPS Program staff participated in a media event conducted by the Friends of Alum Creek (FACT) in conjunction with two lowhead dam removals funded with a FFY05 section 319 grant.
- Met with representatives of the Ohio Environmental Council during their annual “Lobby Day” activity.
- Attended 3 NRCS State Technical Committee Meetings. Rick Wilson of the Ohio NPS Program also participated on the EQIP and Wetlands Reserve Program subcommittees. State technical committee meetings were conducted on 09/11/08, 03/19/09 and 08/13/09 in London, Ohio.
- **New Initiative:** In conjunction with the Region 5 Social Indicator Collaboration, Ohio State University Extension will use section 319 grant funding to implement a watershed scale signage and social indicator project. Pre and post public surveys will measure the effectiveness of watershed signage in improving resident’s awareness of nonpoint source and watershed related issues. This project is being funded with unspent funds from the NPS Monitoring Workshop grant that Ohio State received under provisions of project #08 N234(E)-02.

Ohio EPA’s NPS Program is an effective piece of the state of Ohio’s overall strategy to address the impacts of nonpoint source pollution in Ohio’s rivers and streams. Providing leadership and direction, the program is committed to continuous quality improvement and effectively incorporating lessons learned to improve the restoration of impaired waters and the successful elimination of impairments caused by nonpoint source pollutants, regardless of source.

Listing of Tables

The following pages are a series of relevant grants and data tables that were referenced in previous narrative. Please refer to the following:

- Table 1-1: Subgrants Closed Out during FFY09
- Table 1-2: FFY2003 Subgrant Recipients
- Table 1-3: FFY2004 Subgrant Recipients
- Table 1-4: FFY2005 Subgrant Recipients
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- Table 2-1: Annual Pollutant Loads Reductions by Project Year since FFY2001

- Table 3-1: Total Maximum Daily Load Studies Status
- Table 3-2: State Fully Endorsed Watershed Action Plan Status
- Table 3-3: State Conditionally Endorsed Watershed Action Plan Status

Table 1-5
Ohio Environmental Protection Agency
 Section 319(h) Clean Water Act Grants
FFY2006 Subgrant Recipients

Federal Grant #: 975500060
 Grant Closes 09/30/10

Project Number	Project Sponsor	Watershed	Type of Project	Grant Amount
#06(h)EPA-06	Miami County SWCD	Honey Creek	Stream Restoration	\$231,192
#06(h)EPA-08	Beaver Creek Foundation	Little Beaver Creek	Agricultural BMPs	\$107,933
#06(h)EPA-09	NEFCO	Cuyahoga River	Overwide Ditch Conversion	\$248,250
#06(h)EPA-10	TMACOG	Ottawa River	Stream Restoration	\$204,970
#06(h)EPA-11	Muskingum County SWCD	Salt Creek	Agricultural BMPs	\$96,625
#06(h)EPA-17	Village of New Albany	Big Walnut Creek	Dam Removal	\$23,622
#06(h)EPA-18	Cuyahoga County Health	Mill Creek	Stream Restoration	\$280,899
#06(h)EPA-23	Five Rivers Metroparks	Stillwater River	Dam Removal/Modification	\$224,000
#06(h)EPA-24	Greene County SWCD	Little Miami River	Stream Restoration	\$223,600
#06(h)EPA-25	West Creek Preservation	West Creek	Stream Restoration	\$187,500
#06(h)EPA-27	City of Columbus	Olentangy River	Stream Restoration	\$416,063
#06(h)EPA-28	Holden Arboretum	Chagrin River	Stream Restoration	\$150,000
#06(h)EPA-29	Champaign County	Mad River	Source Water Protection	\$268,815
#06(h)EPA-31	Franklin Co. Metroparks	Big Darby Creek	Levee Modification	\$315,172
#06(h)EPA-34	Village of Ottawa	Blanchard River	Source Water Plan	\$19,970
#06(h)EPA-35	Five Rivers Metroparks	Stillwater River	Dam Removal/Modification	\$176,568
#06(h)EPA-36	River Institute-Beetree Run	Maumee River	Stream Restoration	\$280,523
#06(h)EPA-37	Cuyahoga County Health	Mill Creek	Education & Outreach	\$9,100
Total Federal 319(h) Implementation Funds Awarded				\$3,464,802

Table 1-6
Ohio Environmental Protection Agency
 Section 319(h) Clean Water Act Grants
FFY2007 Subgrant Recipients

Federal Grant #: 975500070
 Grant Closes 06/30/11

Project Number	Project Sponsor	Watershed	Type of Project	Grant Amount
#07(h)EPA-06	Greene Sanitary Engineer	Massie's Creek	Stream Restoration	\$410,755
#07(h)EPA-08	Nature Conservancy	Big Darby Creek	Stream Restoration	\$500,000
#07(h)EPA-09	Ohio University-ILGARD	Raccoon Creek	Acid Mine Drainage	\$312,478
#07(h)EPA-10	Three Valley Conservation	Indian Creek	Conservation Easements	\$250,000
#07(h)EPA-13	The River Institute	Bath Creek	Stream Restoration	\$181,600
#07(h)EPA-14	Scioto River Federation	Bokes Creek	Stream Restoration	\$443,700
#07(h)EPA-15	The River Institute	Big Darby Creek	Stream Restoration	\$332,400
#07(h)EPA-16	Rural Action, Inc.	Monday Creek	Acid Mine Drainage	\$156,666
#07(h)EPA-18	Western Reserve	Rocky River	Conservation Easements	\$292,000
#07(h)EPA-21	Friends of the Muskingum	Muskingum River	Source Water Protection	\$138,779
#07(h)EPA-22	Grand River Partners, Inc.	Grand River	Conservation Easements	\$250,000
#07(h)EPA-23	Warren County SWCD	Little Miami	Streambank Stabilization	\$125,000
Total Federal 319(h) Implementation Funds Awarded				\$3,393,378

Table 1-7
Ohio Environmental Protection Agency
 Section 319(h) Clean Water Act Grants
FFY2008 Subgrant Recipients

Federal Grant #: 975500080
 Grant Closes 06/30/12

Project Number	Project Sponsor	Watershed	Type of Project	Grant Amount
#08(h)EPA-06	Bainbridge Township	Chagrin River	Dam Modification	\$294,900
#08(h)EPA-11	Cuyahoga County SWCD	Euclid Creek	Dam Removal	\$235,428
#08(h)EPA-12	Lake Co. Stormwater Mgmt.	Chagrin River	DECLINED GRANT	\$235,625
#08(h)EPA-15	Rural Action, Inc.	Sunday Creek	Acid Mine Drainage	\$225,398
#08(h)EPA-16	Five Rivers Metroparks	Stillwater River	Dam Removal	\$499,980
#08(h)EPA-17	Rural Action, Inc.	Huff Run	Acid Mine Drainage	\$159,572
#08(h)EPA-18	Columbus Rec & Parks	Big Darby Creek	Stream Restoration	\$200,000
#08(h)EPA-19	Nature Conservancy	Big Darby Creek	Stream Restoration	\$464,259
#08(h)EPA-22	Greene Sanitary Engineer	Little Miami-Massie Creek	Stream Restoration	\$382,700
#08(h)EPA-26	The River Institute	Maumee River	Stream Restoration	\$207,723
#08(h)EPA-29	Village of Chagrin Falls	Chagrin River	Dam Removal	\$400,800
#08(h)EPA-30	Ohio State Extension	Statewide	National NPS Conference	\$54,720
#08(h)EPA-31	Ohio State University	Statewide	Monitoring Protocol	\$66,960
Total Federal 319(h) Implementation Funds Awarded				\$3,428,065

Table 1-8
Ohio Environmental Protection Agency
 Section 319(h) Clean Water Act Grants
FFY2009 Subgrant Recipients

Federal Grant #: 97550009
 Grant Closes 06/30/13

Project Number	Project Sponsor	Watershed	Type of Project	Grant Amount
#09(h)EPA-07	Cuyahoga Co. Health	Tinker's Creek	Stream Restoration	\$329,208
#09(h)EPA-10	Washington Co. SWCD	Wolf Creek	Agricultural BMPs	\$138,790
#09(h)EPA-11	Brown County SWCD	White Oak Creek	Agricultural BMPs	\$280,347
#09(h)EPA-12	Mercer County SWCD	Grand Lake St. Mary's	HSTS Replacement/Repair	\$191,650
#09(h)EPA-13	City of Marysville	Mill Creek	Stream Restoration	\$322,434
#09(h)EPA-14	Summit Co. Metroparks	Cuyahoga River	Stream Restoration	\$249,984
#09(h)EPA-15	Mill Creek Partners	Mill Creek-Ohio River	Stream Restoration	\$317,420
#09(h)EPA-16	City of Xenia	Little Miami River	Stream Restoration	\$341,100
#09(h)EPA-17	Village of New Albany	Big Walnut Creek	Stream Restoration	\$101,742
Total Federal 319(h) Implementation Funds Awarded				\$2,272,675

Table 2-1
Current 09/08/09

Ohio Environmental Protection Agency
Nonpoint Source Pollution LOAD REDUCTIONS
Annual Load Reductions-by Project Year since FFY2001¹

Project Year	Nitrogen (lbs/year)	Phosphorus (lbs/year)	Sediment (tons/year)	HSTS* (gallons/day)
FFY 2001	294,422	133,404	106,899	66,520
FFY 2002	170,298	52,667	30,195	19,320
FFY 2003	19,771	7,488	50	164,150
FFY 2004	19,866	5,130	1,039	62,235
FFY 2005	12,606	5,067	2,812	84,600
FFY 2006	10,022	5,021	13,160	0
FFY 2007	3,448	2,206	1,315	0
FFY 2008	4,514	2,285	2,134	0
FFY 2009 est.	68,873	20,029	12,423	0
TOTAL	603,820	233,297	170,027	396,825

¹ All load reductions are updated and current through project semi-annual technical reports received through 08/24/09. FFY2001, FFY2002 and FFY2003 load reductions are FINAL for that grant cycle. Final reports have been received for all sub-grant projects from those cycles.

Table 3-1
Ohio Environmental Protection Agency
Section 319(h) Clean Water Act Grants
Total Maximum Daily Load (TMDL) Status
 Updated through 08/21/09

Cuyahoga River—Approved 2000
 Rocky River—Approved 2001
 Little Miami River—Approved 2002
 Bokes Creek—Approved 2003
 Sugar Creek—Approved 2003
 Raccoon Creek—Approved 2003
 Mill Creek (Scioto Basin)—Approved 2003
 East Fork Duck Creek—Approved 2003
 Cuyahoga River (Tinker's Creek)—Approved 2003
 Stillwater River—Approved 2004
 Auglaize River—Approved 2004
 Sandusky River—Approved 2004
 Mill Creek—Approved 2005
 Lake Erie Tributaries (below Huron to above Vermillion River)—Approved 2005
 Monday Creek—Approved 2005
 Big Walnut Creek—Approved 2005
 Lake Erie Tributaries (east of Cuyahoga to west of Grand River)—Approved 2005
 West Branch Huron River—Approved 2005
 Little Beaver Creek—Approved 2005
 Sunday Creek—Approved 2006
 Big Darby Creek—Approved 2006
 Toussaint Creek—Approved 2006
 Wakatomika Creek—Approved 2006
 Sugar Creek—Approved 2007
 Chagrin River—Approved 2007
 Olentangy River—Approved 2007
 Beaver Creek & Grand Lake St. Mary's—Approved 2007
 Leading Creek—Approved 2008
 Black River—Approved 2008
 Nimishillen Creek—Approved 2008
 Powell Creek—Approved 2008
 Blanchard River—Approved 2009
 Salt Creek—Approved 2009
 Tuscarawas River—approved 2009
 Stillwater River (revised)—Approved 2009

TABLE 3-2
Ohio Environmental Protection Agency
Section 319(h) Clean Water Act Grants
State Fully Endorsed Watershed Plans

Fully endorsed plans meet all 9-required elements

Updated through 08/20/09

Lower East Fork—Little Miami River
Todd's Fork—Little Miami River
White Oak Creek
Kokosing River
Lower Alum Creek
Lower Muskingum River
Leading Creek
Duck Creek
Wolf Creek
Lower Olentangy River
Upper Olentangy River
Huff Run
Grand Lake St. Mary's
Salt Creek
Upper Mill Creek—Ohio River Tributary
Bokes Creek—Powderlick Run
Stillwater River
Federal Valley
Sandusky River—Honey Creek
Paint Creek
Euclid Creek
Rocky River
Chagrin River
Mill Creek—Mahoning River Tributary
Honey Creek
West Creek
Lower Big Walnut Creek
East Fork Little Miami River—Lake Tributaries
Lower Mad River
Monday Creek
Nimishillen River
Sandusky River (Tiffin)
Upper Scioto River
Raccoon Creek Headwaters
Mill Creek—Upper Scioto River Tributary

TABLE 3-3
Ohio Environmental Protection Agency
Section 319(h) Clean Water Act Grants
State Conditionally Endorsed Watershed Plans

Conditionally endorsed plans do not meet all 9-required elements

Updated through 08/20/09

East Fork Little Miami River
Bokes Creek—all except Powderlick Run
Sunday Creek
Raccoon Creek
Rocky Fork Creek
Lower Maumee River
Headwaters Sugar Creek
Duck & Otter Creeks
Little Beaver Creek
Lower Grand River
Twin Creek
Mentor Marsh
East Fork Little Miami River--Middle