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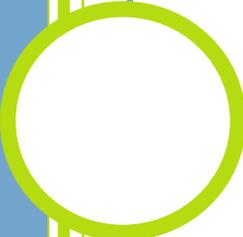


**Ohio EPA Program Summary  
Nonpoint Source Program**

**FY2016 Annual Report**



**Alum Creek Lake**  
Photo by Russ Gibson



John Kasich, Governor  
Mary Taylor, Lt. Governor  
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## **ATTACHMENTS**

- Attachment 1 – Final Project Fact Sheets – Section 319(h) Subgrants
- Attachment 2 – Great Lakes Restoration Initiative Grants - Final Project Fact Sheets – Lucas County
- Attachment 3 – Great Lakes Restoration Initiative Grants - Final Project Fact Sheets – FY12 Cuyahoga County GLRI/SWIF Final Project Fact Sheets
- Attachment 4 - Great Lakes Restoration Initiative Grants - Final Project Fact Sheets – Upper Blanchard River Watershed Reduction, Powell Creek Nutrient Reduction, and Lake Erie Nutrient Reduction Demonstration
- Attachment 5 - NPS Pollution Load Reductions Tables - FFY2001 through FFY2016



## Nonpoint Source Management Program Ohio Environmental Protection Agency Division of Surface Water

**Introduction:** Ohio's Nonpoint Source (NPS) Program is the NPS Management Plan that was approved by USEPA in June 2014 and Ohio's Nutrient Reduction Strategy that is currently in the process of being updated. Provisions of these updated plans effectively guide Ohio's implementation of state and local nonpoint source management measures and activities through 2019. View Ohio's updated Nonpoint Source Management Plan at: [http://epa.ohio.gov/Portals/35/nps/NPS\\_Mgmt\\_Plan.pdf](http://epa.ohio.gov/Portals/35/nps/NPS_Mgmt_Plan.pdf).

In Ohio, the four most common nonpoint source causes of water quality impairment are hydromodification, habitat alteration, nutrients and silt/sediments. Ohio's updated plan tackles these high magnitude causes of impairment with cause-specific strategies. These four discrete strategies include:

- **Urban Sediment and Nutrient Reduction Strategies**
- **Altered Stream and Habitat Restoration Strategies**
- **Nonpoint Source Reduction Strategies**
- **High Quality Waters Protection Strategies**

These strategies include goals which are further refined to include objectives and milestones designed to provide meaningful evaluation points as well as more finely honed focus for program activities. An important tool for focusing limited resources on a problem as ubiquitous as nonpoint source pollution is the establishment of measurable milestones—those specific achievements and/or deliverables that we are striving to attain. Like a long journey, each success starts with first one step then another and another until we are able to look back and see not only from where we've been but also more clearly identify measurable improvements.

Progress toward achieving the environmental measures of Ohio's Nonpoint Source Program will continue to be part of Ohio's NPS Monitoring and Assessment Initiative. During each of the past five years, Ohio EPA staff conducted all monitoring (physical, chemical, and biological), beginning with baseline monitoring through project completion to determine the effectiveness of §319(h) and Surface Water Improvement Fund (SWIF) funded nonpoint source projects. This initiative not only provides cost savings and improved data quality, but also relieves grant recipients of a task which was often difficult for them to do properly. This initiative also serves as a very important tool for measuring the environmental effectiveness of Ohio's NPS Management Program. Are NPS-funded projects improving water quality or not? For example, one environmental program measure that Ohio EPA will be using is the number of SP-12 watersheds that have shown improvement during the reporting period.

In addition to the above referenced environmental measures, Ohio's NPS Program also tracks a variety of administrative measures that are designed to measure the effectiveness of Ohio's NPS

Program administration and management including:

1. Timeliness and quality of report submittals to USEPA
2. Timeliness of federal fund obligation with state program partners and sub-grantees
3. Grantee interest and competition – to be measured by:
  - Number of applicants per grant cycle
  - Number of projects completed on time
4. Federal Grants Administration
  - Submittal of draft subgrant work plans to Region 5 USEPA
  - Timely submittal of Section 319(h) grant application and annual work plan
  - Percentage of grant funds expended effectively
  - GRTS data entry status
  - Timely drawdown of federal funds
5. Participation at all required meetings, conferences and other events outlined in the Programmatic Conditions section of Ohio’s grant agreement with USEPA.
6. Ohio EPA Core Programming will comply with FY12 National Program Guidelines.

**Grants Management and Administration:** During FY16 Ohio EPA, received \$4,721,000 in federal Section 319(h) grant funds under provisions of USEPA Grant # C9-97550015 to implement Ohio’s updated Nonpoint Source (NPS) Management Program. Ohio EPA’s Division of Surface Water provides primary coordination and implementation of Ohio’s NPS program with assistance from other federal, state and local partners. Under provisions of the FY12 National Section 319 program guidance, at least 50% of these funds (\$2,076,750) are to be awarded as subgrants to provide critical funding for local NPS implementation projects.

To date, Ohio EPA has awarded \$2,686,905 (or 56.9%) of its FY16 allocation. Ohio EPA is in full compliance with the FY12 guidance requiring 50% of a state’s allocation should go to watershed projects.

A crucial component of Ohio’s nonpoint source program is the effective management of the subgrants awarded each year by Ohio EPA to local organizations for the implementation of nonpoint source management projects such as dam removals, stream restoration, nutrient reduction practices and others. In this reporting period, Ohio EPA’s NPS Program administered 14 federal grants including 6 Section 319 grants totaling nearly \$25 million and 7 Great Lakes Restoration Initiative (GLRI) grant totaling more than \$7.5 million. During the reporting period, 7 of those grants completed activities and were closed or are in the process of being closed. Following is a listing of the federal grants that were managed by Ohio’s Nonpoint Source Program during the reporting period:

- FY11 Section 319 Grant # C9975500011 – Grant closed in 2016
- FY11 Buckeye Lake Grant #C900E00782 – Grant closed in 2016
- FY11 Lake Erie Nutrient Reduction GLRI Grant #GL-00E0836-0 – Grant closed in 2016
- FY12 Section 319 Grant # C9975500012 – Grant closes 10/15/16
- FY12 Powell Creek Nutrient Reduction GLRI Grant #GL-00E01131 – Grant closes 07/30/17
- FY12 Upper Blanchard Watershed GLRI Grant #GL-00E01020-1 – Grant closed in 2016
- FY12 Cuyahoga County SWIF/GLRI Grant #GL-00E00395-0 – Grant closed in 2016

- FY12 Lucas County SWIF/GLRI Grant #GL-00E01132 – Grant closed in 2016
- FY13 Section 319 Grant #C997550013 – Grant Closes 6/30/2017
- FY14 Section 319 Grant #C9975500014 – Grant Closes 6/30/18
- FY14 Maumee River Sediment Reduction GLRI Grant # GL00E01449 – Grant Closes 6/30/19
- FY14 Broken Sword Nutrient Reduction GLRI Grant #GL-00E01456 – Grant Closes 2/28/18
- FY14 Cuyahoga AOC Strategic Planning Grant #GL-00E01357—Grant Closes 8/30/16
- FY15 Section 319 Grant ##C9975500015—Grant Closes 4/15/20
- FY16 Section 319 Grant #C9975500016—Grant Closes 4/15/21

Ohio EPA’s NPS Program is implemented largely through subgrants passed through to local implementers. A minimum of 50% of Ohio’s Section 319 Program grants must be passed-through to local implementers in order to comply with FY12 national Section 319 Guidance. More than 92% of the GLRI funds received by Ohio EPA’s NPS Program are subgranted to local partners for robust on-the-ground implementation of restoration and nutrient reduction practices.

### Section 319(h) Grants Management and Administration

In response to the FY16 Request for Proposals (RFP) that was issued on May 23, 2014, Ohio EPA received 17 applications requesting \$3.08 million. By funding three projects with FY12 and FY14 available funds we were fortunate to be able to award subgrants to all applicants. Table 1.1 identifies applicants funded under the FY16 Section 319 grant cycle.

**Table 1-1  
Ohio EPA FY16 Section 319(h) Subgrants Awarded**

Project #	Grantee	Project Type	Federal \$ Requested
16(h)EPA-02	ODA-Division of Soil & Water	Grand Lake St Mary Assistance	\$150,000
16(h)EPA-03	ODNR-Mineral Resources	Regional AMD Watershed Support	\$100,000
16(h)EPA-09	Holmes County SWCD	Nutrient Reduction BMPs	\$124,852
16(h)EPA-10	City of Wyoming	Stream Restoration	\$186,131
16(h)EPA-13	City of Cincinnati	Dam Removal/Modification	\$309,000
16(h)EPA-14	West Creek Conservancy	Regional Watershed Support	\$250,000
16(h)EPA-16	City of Cuyahoga Falls	Stream Restoration	\$133,299
16(h)EPA-17	City of Fairview Park	Stream Restoration	\$265,612
16(h)EPA-19	Village of Hunting Valley	Stream Restoration	\$243,000
16(h)EPA-25	Lorain County Commissioners	Wetland Restoration	\$295,000
16(h)EPA-26	Putnam County SWCD	Nutrient Reduction BMPs	\$285,638
16(h)EPA-27	Cleveland Metroparks	Wetland Restoration	\$81,373
<b>Total Federal 319(h) Implementation Funds Awarded</b>			<b>\$2,423,905</b>

During the reporting period, Ohio’s NPS Program staff managed 46 previously funded and active Section 319 subgrants. Eighteen (18) of these projects were completed and the subgrants closed out during the reporting period. All required information for each subgrant has been updated and included

in the federal Grants Reporting and Tracking System (GRTS). The following tables identify the currently active previous years' Section 319 funded subgrants being administered by Ohio EPA's NPS Program:

**Table 1-2  
Ohio EPA FY15 Section 319(h) Subgrants STILL ACTIVE**

Project Number	Project Sponsor	Project Type	Awarded	Expenditure	% Spent
15(h)EPA-02	ODA-Division of Soil and Water	NPS Program Asst.	\$417,000	\$95,615	23.0%
15(h)EPA-09	City of Gahanna	Stream Restoration	\$166,700	\$0	0%
15(h)EPA-14	GLSM Lake Facilities Authority	Wetland Restoration	\$186,534	\$19,640	6.4%
15(h)EPA-16	Clermont County SWCD	Stream Restoration	\$90,458	\$20,602	22.8%
15(h)EPA-18	City of Lakewood	Riparian Restoration	\$122,842	\$0	0%
15(h)EPA-19	Bainbridge Township	Stormwater Demo	\$96,010	\$57,292	60.0%
15(h)EPA-20	Village of Olmsted Falls	Stormwater Demo	\$138,445	\$138,445	100%
15(h)EPA-23	Village of Marshallville	Stormwater Demo	\$77,027	\$4,747	6.2%
15(h)EPA-25	City of Blue Ash	Stream Restoration	\$258,000	\$0	0%
15(h)EPA-27	Cleveland Metroparks	Stormwater Demo	\$340,017	\$135,000	39.7%
15(h)EPA-28	Wood County SWCD	Agricultural BMPs	\$166,533	\$0	0%
15(h)EPA-29	Defiance County SWCD	Agricultural BMPs	\$366,493	\$46,770	12.8%
15(h)EPA-32	City of Mason	Stream Restoration	\$222,000	\$36,224	16.3%
			<b>\$2,648,059</b>	<b>\$554,335</b>	<b>21%</b>

**Table 1-3  
Ohio EPA FY14 Section 319(h) Subgrants Awarded STILL ACTIVE**

Project	Project Sponsor	Type of Project	Awarded	Expenditure	% Spent
14(h)EPA-10	City of Delaware.	Riparian Restoration	\$186,534	\$186,534	100%
14(h)EPA-12	City of Stow	Stream Restoration	\$248,787	\$22,428	9.0%
14(h)EPA-14	Rural Action, Inc.	Acid Mine Drainage	\$ 99,270	\$92,340	93.0%
14(h)EPA-18	Village of Reminderville	Stream Restoration	\$ 59,820	\$40,180	67.2%
14(h)EPA-19	Madison Village	Stream Restoration	\$ 95,107	\$0	0%
14(h)EPA-20	City of Huron	Stream Restoration	\$ 53,820	\$53,066	100%
14(h)EPA-24	Ottawa SWCD	Agricultural BMPs	\$146,325	\$110,396	75.4%
14(h)EPA-25	City of Solon	Stream Restoration	\$105,660	\$84,864	80.3%
14(h)EPA-26	Cleveland Metroparks	Stream Restoration	\$144,000	\$37,867	26.3%
14(h)EPA-28	City of Broadview Heights	Stormwater Demo	\$300,000	\$0	0%
14(h)EPA-31	Mill Creek Watershed Council	Regional Watershed Assistance	\$299,905	\$177,357	59.1%
14(h)EPA-32	Ohio University	Regional Watershed Assistance	\$250,000	\$78,469	31.4%
			<b>\$ 1,523,323</b>	<b>\$883,501</b>	<b>57.9%</b>

**Table 1-4**  
**Ohio EPA FY13 Section 319(h) Subgrants STILL ACTIVE**

Project Number	Project Sponsor	Type of Project	Awarded	Expenditure	% Spent
13(h)EPA-16	City of Medina	Stream Restoration	\$197,075	\$155,098	78.7%
13(h)EPA-21	City of Hilliard	Stream Restoration	\$232,916	\$200,000	85.9%
13(h)EPA-69	Olander Park System	Stream Restoration	\$145,760	\$100,137	68.7%
<b>TOTALS</b>			<b>\$575,751</b>	<b>\$455,235</b>	<b>79.0%</b>

**Table 1-5**  
**FY12 Section 319(h) Subgrants Grants**  
**Subgrants Awarded during FFY 2013**

Project Number	Project Sponsor	Type of Project	Awarded	Expenditure	% Spent
12(h)EPA-43	Cleveland Port Authority <b>Awarded 10/2015</b>	Stormwater Demonstration	\$131,040	\$0	0%
<b>TOTALS</b>			<b>\$131,400</b>	<b>\$0</b>	<b>0%</b>

Maintaining effective oversight and providing technical assistance (when needed) are activities that are critical to insuring timely implementation and financial management of Section 319(h) subgrants by local implementers. Ohio EPA provides this oversight in several different ways however conducting regular site visits is the primary tool that we use to be sure that projects are progressing appropriately and observing project sites upon completion to insure consistency with grant awards. During the reporting period, Ohio EPA's NPS Program staff completed site visits with the following project implementers:

**FY12 Section 319(h) Project Site Visits Completed**

- 12(h)EPA-19 City of Elyria-Black River Stream Restoration
- 12(h)EPA-43 Cleveland Port Authority-Cleveland Hopkins Airport Green Roof Project

**FY13 Section 319(h) Project Site Visits Completed**

- 13(h)EPA-20 Mercer County Commissioners-Prairie Creek Treatment Train Enhancement
- 13(h)EPA-21 City of Hilliard-Clover Groff Run Stream Restoration
- 13(h)EPA-22 Mill Creek Watershed Council -Roberts Academy Stormwater Retrofit

**FY14 Section 319(h) Project site Visits Completed**

- 14(h)EPA-24 Ottawa County SWCD-Nutrient Reduction Demonstration Project
- 14(h)EPA-26 Cleveland Metroparks-Sulphur Springs Headwater Stream Wetland Restoration
- 14(h)EPA-31 Mill Creek Watershed Council-Regional Watershed Implementation Center
- 14(h)EPA-32 Ohio University-Southeast Ohio Regional Watershed Implementation Center

**FY15 Section 319(h) Project Site Visits Completed**

- 15(h)EPA-14 Grand Lakes Facilities Authority- Beaver Creek Vegetative Treatment Train
- 15(h)EPA-18 City of Lakewood-Rocky River Streambank Restoration and Fish Shelf
- 15(h)EPA-25 City of Blue Ash-Sycamore Creek Headwaters Stream Restoration Project
- 15(h)EPA-27 Cleveland Metroparks-Seneca Lot Retrofit/Acacia Stream Restoration
- 15(h)EPA-29 Defiance County SWCD-Platter Creek Nutrient Reduction Project
- 15(h)EPA-32 City of Mason- Marival/Broadview Stream & Riparian Restoration Project

**FY16 Section 319(h) Project Site Visits Completed**

16(h)EPA-10	City of Wyoming-Ciley Creek Stream Restoration at Stearns Woods
16(h)EPA-13	City of Cincinnati-Mill Creek Lowhead Dam Modification/Removal
16(h)EPA-25	Lorain County Development Department-Clinton Ditch Wetland Restoration
16(h)EPA-27	Cleveland Metroparks-Marek Park Dam Removal and Wetland Restoration

During the reporting period, 18 Section 319(h) subgrant funded projects were completed and their subgrants closed out. Final fiscal and progress reports were received and final payments were made to the subgrantees. Following is a listing of those Section 319 subgrant-funded projects that were completed and closed during the FY16 reporting period. Final Fact Sheets for projects completed during the reporting period are included in Attachment 1.

**FY12 Section 319(h) Subgrants Closed**

12(h)EPA-18	Greene County Park District
12(h)EPA-37	Franklin County SWCD/Crawford
12(h)EPA-42	City of Lima
12(h)EPA-19	City of Elyria
12(h)EPA-24	Huff Run Watershed Restoration Partnership
12(h)EPA-40	Lake County

**FY13 Section 319(h) Subgrants Closed**

13(h)EPA-08	Clermont County Engineer's Office
13(h)EPA-09	City of Willoughby
13(h)EPA-19	City of Gahanna
13(h)EPA-20	Mercer County
13(h)EPA-LEW-09	City of South Euclid
13(h)EPA-LEW-29	Village of Orwell
13(h)EPA-LEW-50	Village of Richfield
13(h)EPA-LEW-66	Toledo Metroparks

**FY14 Section 319(h) Subgrants Closed**

14(h)EPA-02	Ohio Dept. of Agriculture-Soil and Water Resources
14(h)EPA-13	City of Lancaster
14(h)EPA-27	City of Rocky River
14(h)EPA-30	City of Fairview Park

In anticipation of a Fiscal Year 17 Section 319(h) grant allocation, Ohio EPA released a Request for Proposals on July 20, 2016 for 2017 Section 319(h) subgrant project applications. The most notable revision that has been made to the RFP is the USEPA imposed requirement for any project watershed to have an approved 9-element watershed plan. Although Ohio has extensive watershed planning experience via Total Maximum Daily Load Studies local watershed plan development, USEPA has indicated that they do not "meet" USEPA's 9-element requirement. Ohio EPA has also required ALL Section 319 grant applications to include components of the 9-required elements for more than 10 years, yet we are now having to advise potential Section 319 applicants that their watershed plans must be brought into compliance with the 9-elements. There is little doubt that we will have delays in our ability to make FY17 grant recommendations because of this requirement. Applications are due September 28, 2016.

## USEPA Great Lakes Restoration Initiative Grants



Ohio's NPS Program staff has been fortunate to apply for, receive and manage 6 currently active federal Great Lakes Restoration Initiative (GLRI) grants. During the reporting period, the NPS Program managed 43 subgrants awarded by Ohio EPA under these GLRI funded initiatives. All required information was entered into the federal GLAS database. Final Fact Sheets for GLRI subgrant funded projects closed out during the reporting period may be found in Attachment 2, 3 and 4.

### FY11 Lake Erie Nutrient Reduction Demonstration Project

Federal Grant # Grant #GL-00E0836-0

State ID #NUTR11

Ohio EPA applied for and received an FY11 Great Lakes Restoration Initiative federal grant #GL-00E0836-0 in the amount of \$546,417 to implement a series of targeted nutrient reduction practices in the Loss Creek subwatershed to the Sandusky River. The last subgrant project awarded under this grant completed work and was closed 10/26/15. Ohio EPA is currently in the process of closing out this GLRI grant.

The Lake Erie Nutrient Reduction Demonstration Project was one of the first projects of its kind, focusing on performance-based agricultural assistance and nutrient loss risk reduction. This collaboration between Ohio EPA, Crawford County SWCD, Crawford County Park District, Ohio State University Extension and the Sandusky River Coalition. During the reporting period the following activities were completed:

Project Number	Project Sponsor	Awarded	Expenditures	% Spent
12GLRI-NUTR-01	Crawford County SWCD	\$346,530	\$328,161	95%
12GLRI-NUTR-02	Sandusky River Coalition	\$64,189	\$45,294	70%
12GLRI-NUTR-03	Ohio State University Extension	\$30,000	\$29,571	99%
12GLRI-NUTR-04	Crawford County Park District	\$65,030	\$64,971	99%
		<b>\$505,749</b>	<b>\$467,997</b>	<b>93%</b>

### Summary of Deliverables

Successful implementation of the Lake Erie Nutrient Reduction Demonstration Project resulted in the completion of the following deliverables:

- 1,949 acres of cover crops
- 23 controlled drainage structures managing drainage water on 594 acres
- 1,046 acres of conventional tillage converted to variable rate strip tillage
- Nutrient management plans covering 5,343 acres including 58 whole farm management plans
- 2 grassed waterways installed
- 6.3 acres of riparian filter strips

- 175 linear feet of severely eroding streambank stabilized and restored
- 1 manure storage system
- 52 whole farm conservation plans completed
- 1,250 square feet of permeable pavement installed
- 750 square feet of passive treatment installed under pavers
- 375 square feet of rain garden
- 1,750 square feet of vegetated infiltration area

During the reporting period, Ohio EPA Nonpoint Source Program staff processed 2 payment requests, 1 quarterly financial statement and 1 semi-annual and final subgrant report. The last active subgrant funded under this project closed 10/26/15. Ohio EPA submitted a final subgrant report to USEPA in August, 2016.

**FY12 Lucas County GLRI-Surface Water Improvement Stormwater Demonstration Project  
Federal Grant #GL-00E1132  
State Grant ID #LUCA12**

Ohio EPA received FY12 Great Lakes Restoration Initiative Grant #GL-00E01132 on 10/5/12 in the amount of \$749,839 for the purpose of sub-granting funds to local organizations within Lucas County to implement 17 green stormwater demonstration projects. All projects funded with subgrants under this grant have been completed and closed.

Following is a summary of deliverables that were completed under subgrants awarded under this grant:

- 33,500 square feet of permeable pavers and/or pavement
- 18,665 square feet of bio-filtration areas
- 12,900 square feet of community scale rain gardens
- 1 passive stormwater treatment train
- 2 rainwater collection and reuse systems
- 7 acres of wetlands restored
- 4,074 linear feet of 2-stage channel constructed
- Provided 177 days of Goose/Gull control with trained dogs
- Planted 4,800 native Ohio wetland plugs and 30 native shrubs
- Significant public education and outreach activities

Following is the summary of total subgrant awards and expenditures.

Project	Subgrant Sponsor/Recipient	Awarded	Expenditures	% Spent
12GLRI-LUCA-02	ODNR, Maumee Bay	\$10,300	\$6,987	68%
12I-LUCA-03M	Toledo Public Utilities (State Match)	\$142,000	\$142,000	100%
12GLRI-LUCA-04	Village of Whitehouse	\$114,000	\$78,265	69%
12GLRI-LUCA-05	Lucas County Engineer	\$41,300	\$37,400	91%
12GLRI-LUCA-06	City of Oregon	\$105,758	\$103,229	98%
12GLRI-LUCA-08	University of Toledo	\$35,992	\$32,898	91%
12GLRI-LUCA-10	Metroparks of the Toledo Area	\$91,375	\$48,225	53%
12-LUCA-12M	City of Toledo (State Match)	\$8,000	\$8,000	100%

Project	Subgrant Sponsor/Recipient	Awarded	Expenditures	% Spent
12GLRI-LUCA20S	City of Sylvania	\$82,162	\$82,162	100%
12GLRI-LUCA21S	University of Toledo	\$50,000	\$35,154	70%
12GLRI-LUCA22S	Lucas County Engineer	\$40,600	\$39,600	98%
12GLRI-LUCA23S	Boy Scouts of America	\$48,800	\$45,728	94%
12GLRI-LUCA24S	Toledo Botanical Garden	\$48,675	\$48,675	100%
12GLRI-LUCA25	Metroparks of the Toledo Area	\$80,000	\$79,754	99%
12GLRI-LUCA30	City of Whitehouse	\$18,000	\$18,000	100%
12GLRI-LUCA31	ODNR, Goose Management	\$6,025	\$5,675	94%
12SWIF-LUCA32	City of Oregon	\$20,000	\$19,870	99%
<b>TOTALS</b>		<b>\$942,987</b>	<b>\$831,622</b>	<b>90%</b>

During the reporting period, Ohio EPA NPS Program staff conducted project site visits at the following subgrant funded project locations:

**FY12 Lucas County GLRI-SWIF Stormwater Demonstration Site Visits during the Reporting Period**

- 12GLRI-LUCA-02 ODNR-Maumee Bay State Park Goose Management Project
- 12GLRI-LUCA-05 Lucas County Engineer-Community Scale Rain Garden Demonstration
- 12GLRI-LUCA-06 Oregon-Bioretenion Facility Demonstration Project
- 12GLRI-LUCA-22S Lucas County Engineer-Permeable Pavement Demonstration Project
- 12GLRI-LUCA-30 Village of Whitehouse
- 12GLRI-LUCA-31 ODNR Maumee Bay Goose Management Project

During the reporting period the last four (4) FY12 Lucas County Stormwater Demonstration GLRI and/or Match funded subgrants were completed and their subgrants closed out. Final fiscal and progress reports were received and final payments were made to the subgrantees and the subgrant files within the national GLAS database were updated. Following is a listing of those FY12 Lucas County GLRI or state Match subgrant-funded projects that were completed and closed during the reporting period.

**FY12 Lucas County GLRI-SWIF-Great Lakes Restoration Grants Closed**

- 12GLRI-LUCA-05 Lucas County Engineers
- 12GLRI-LUCA-30 Village of Whitehouse
- 12GLRI-LUCA-31 ODNR Maumee Bay Goose Management Project
- 12GLRI-LUCA-32 Village of Oregon

During the reporting period Ohio EPA Nonpoint Source Program staff processed 2 payment requests, 3 quarterly financial status reports and 1 semi-annual report. Ohio EPA submitted a final report for #GL-00E1132 – The Lucas County GLRI Stormwater Demonstration Project in December 2015.

**FY12 Cuyahoga County GLRI-Surface Water Improvement Project Grant**

Federal Grant #GL-00E1137

State Grant ID #CUYA12

Ohio EPA applied for and received GLRI grant #GL-00E1137 in the amount of \$996,902 to implement 18 local green stormwater demonstration and nonpoint source management project in Cuyahoga County, Ohio. Ohio EPA provided \$1.4 million in state SWIF funding to increase the project total to \$2.3 million. Following is a table of those local organizations who implemented projects funded under this GLRI grant:

Project Number	Project Sponsor	Awarded	Expenditures	% Spent
12GLRI-CUY-06	Ursulines College	\$134,654	\$134,654	100%
12GLRI-CUY-10	City of Euclid	\$121,600	\$117,862	97%
12GLRI-CUY-11	Village of Glenwillow	\$53,358	\$53,358	100%
12GLRI-CUY-12	City of Cleveland	\$180,843	\$180,843	100%
12GLRI-CUY-14	City of Rocky River	\$160,284	\$160,284	100%
12GLRI-CUY-21	City of Richmond Heights	\$187,500	\$186,352	99%
12SWIF-CUY-02	City of South Euclid	\$166,015	\$166,015	100%
12SWIF-CUY-03	Orange Village	\$162,270	\$162,270	100%
12SWIF-CUY-07	Moreland Hills	\$144,500	\$144,500	100%
12SWIF-CUY-08	Cleveland Metroparks	\$85,000	\$85,000	100%
12SWIF-CUY-09	City of Parma	\$149,164	\$149,164	100%
12SWIF-CUY-16	City of Lakewood	\$150,000	\$150,000	100%
12SWIF-CUY-17	Olmsted Township	\$45,807	\$6,000	13%
12SWIF-CUY-18	Village of Pepper Pike	\$84,354	\$84,354	100%
12SWIF-CUY-19	City of Independence	\$72,850	\$72,850	100%
12SWIF-CUY-20	Village of Brooklyn Heights	\$84,330	\$84,330	100%
12SWIF-CUY-22	City of Westlake	\$200,000	\$200,000	100%
12SWIF-CUY-23	Village of Chagrin Falls	\$73,000	\$73,000	100%
<b>TOTALS</b>		<b>2,255,529</b>	<b>2,210,836</b>	<b>95%</b>

All projects have been completed and final close out of this grant will commence upon receipt of final reports from the last two subgrants that remain open awaiting reimbursement.

### Summary of Deliverables

The successful implementation of the projects funded by the FY12 Cuyahoga County GLRI-SWIF Project resulted in completion of the following deliverables:

- Installed 101,697 square feet of permeable pavers and/or pavement
- Installed 24,489 square feet of bio-filtration areas
- Installed 10,400 square feet of community-scale rain gardens
- Installed 8 passive stormwater treatment trains
- Restored 2.2 acres of wetlands
- Restored and stabilized 2,677 linear feet of riparian areas
- Restored 675 linear feet of stream channel
- Installed 4 stormwater tree boxes
- All projects conducted multiple public outreach events such as project tours

All FY12 Cuyahoga GLRI and/or Match funded subgrants were completed and their subgrants closed out prior to 10/1/15. Final fiscal and progress reports were received and final payments were

made to the subgrantees and the subgrant files within the national GLAS database were updated. Ohio EPA submitted a Final Report for this grant to USEPA-Region 5 on July 12, 2016.

**FY12 Upper Blanchard Watershed Phosphorus Reduction Initiative  
Federal Grant #GL-00E01020-1  
State ID #BLAN12**

The Upper Blanchard River Phosphorus Reduction Initiative commenced in 2012 when Ohio EPA applied for and received GLRI Grant #GL-00E01020-1 in the amount of \$631,572 on 10/10/12 from USEPA’s Great Lakes National Program Office. The project was a collaboration among Ohio EPA, GLNPO, the Blanchard River Watershed Partners, Hancock County SWCD, University of Findlay and the city of Findlay. With Hancock County SWCD taking lead, the project is designed to demonstrate various phosphorus reduction practices in both rural and urban areas. The following subgrants were awarded during the life of this project:

Project	Subgrant Sponsor/Recipient	Awarded	Expenditures	%Spent
12GLRI-BLAN-01	Hancock County SWCD	\$336,574	\$295,731	88%
12GLRI-BLAN-02	Hancock County Health Department <sup>1</sup>	\$53,995	\$1,720	3%
12GLRI-BLAN-03	City of Findlay	\$35,741	\$33,933	95%
12GLRI-BLAN-04	University of Findlay	\$93,316	\$92,318	99%
12GLRI-BLAN-05	Hancock County SWCD-Supplemental	\$99,985	\$23,416	23%
<b>TOTALS</b>		<b>\$619,611</b>	<b>\$447,118</b>	<b>73%</b>

**Summary of Deliverables**

Successful implementation (as of this date) of the Upper Blanchard Watershed Phosphorus Reduction Initiative resulted in the completion of the following deliverables:

Deliverables	Workplan	Completed	% Complete
Plant Cover Crops	1,700 acres	2,440 acres	143%
Filter Strips/Riparian Buffers	180 acres	20 acres	<1 %
Grass Waterways	15 acres	15 acres	26%
Conservation Tillage	500 acres	1,268 acres	253%
Repair Tile Main Blowouts	10 repairs	20 repairs	200%
Nutrient Management Planning	1,000 acres	5,343 acres	534%
Livestock Exclusion Fencing	2,500 linear feet	0	0%
Treat acres w/controlled drainage	20 acres	20 acres	100%
Riparian Tree Planting	5 acres	1.6 acres	32%
Restore/Replace Failing HSTS Systems	10 systems	0 systems	0%
Remove Invasive Species	5 acres	5 acres	100%
Install demonstration rain garden	1 rain garden	1 rain garden	100%
Restore Wetlands	5 acres	15 acres	300%

<sup>1</sup> This subgrant was terminated by Ohio EPA due to inactivity by the Health Department.

During the reporting period NPS Program Staff from Ohio EPA conducted site visits with the Hancock County Soil & Water Conservation District, city of Findlay and staff from the University of Findlay. Subgrant funded projects are complete. Only the University of Findlay grant remains open as they await fall planting season. All other subgrants awarded under this project have submitted final fiscal and progress reports and the subgrant files within the national GLAS database were updated by Ohio EPA staff. Following are the subgrants that were closed out during the reporting period:

**FY12 Upper Blanchard Phosphorus Reduction Initiative Site Visits Completed during the Report Period**

12GLRI-BLAN-01                      Hancock County Soil and Water Conservation District

All subgrant funded activities have been completed and the subgrants closed out. The last subgrant project to close was the Hancock County SWCD #BLAN12-GLRI-01 on 2/19/16. The following subgrant funded projects were completed and closed during the reporting period:

12GLRI-BLAN-04                      University of Findlay (11/17/15)  
 12GLRI-BLAN-01                      Hancock County SWCD (2/19/16)

During the reporting period Ohio EPA NPS Program staff processed 4 payment requests, 3 quarterly financial status reports and 1 semi-annual technical report. Ohio EPA submitted a final subgrant technical progress report to USEPA on August 1, 2016. Ohio EPA is in the progress of closing out all activities under the #BLAN12 grant.

**FY12 Powell Creek Nutrient Reduction Demonstration Project**  
**Federal Grant # Grant #GL-00E001131**  
**State ID #POWL12**

The Powell Creek Nutrient Reduction Project is a joint effort between Ohio EPA, Defiance and Putnam County Soil & Water Conservation Districts and the Defiance County Health Department. The grant provides important cost-share assistance to implement a variety of conservation and water quality practices identified in the Powell Creek Total Maximum Daily Load Study (TMDL).

Project	Subgrant Sponsor/Recipient	Awarded	Expenditures	%Spent
12GLRI-POWL-01	Defiance County SWCD	\$350,000	\$231,458	66%
12GLRI-POWL-02	Defiance County Health Department	\$95,000	\$53,262	56%
<b>TOTAL</b>		<b>\$445,000</b>	<b>\$284,720</b>	<b>64%</b>

**Summary of Deliverables**

Ongoing implementation of the Powell Creek Nutrient Reduction Project has resulted in completion of the following deliverables:

- A saturated buffer was installed treating 25 acres
- Three (3) runoff wetland treatment areas totaling more than 16 acres
- 4,215 acres of cover crops planted
- 32 controlled drainage structures installed
- 8 grade stabilization structures installed
- Treated 725 acres of cropland with gypsum
- 2 nutrient management plans completed covering 1,274 acres

- 1,274 acres of cropland were converted to variable rate technology
- 4 failing home sewage treatment systems were replaced

During the reporting period NPS Program Staff from Ohio EPA conducted site visits with the following subgrant recipients:

12GLRI-POWL-01 Defiance County Soil and Water Conservation District

During the reporting period Ohio EPA NPS Program staff processed 4 quarterly financial status reports and 2 semi-annual technical reports. One subgrant completed all activities and was closed during the reporting period. All required financial and progress reports were submitted and pertinent information entered into the GLAS database. The following subgrant was completed and closed:

12GLRI-POWL-02 Defiance County Health Department

**FY14 Maumee Sediment and Nutrient Reduction Initiative**  
**Federal Grant # Grant #GL-00E001449**  
**State ID #SEDM14**

The Maumee Sediment and Nutrient Reduction Initiative is a collaboration of 11 partners including GLNPO, Ohio EPA, Ohio State University, Putnam County SWCD, Pheasants Forever, Nature Conservancy, Toledo Metroparks, TMACOG, Black Swamp Conservancy and the Lucas County Land Bank. The initiative will demonstrate multiple innovative methods for reducing sediment and nutrient loss from urban, suburban and agricultural landscapes. The project is funded with a \$3,696,182 2014 Great Lakes Restoration Initiative grant awarded for the 5-year period starting in 2014 and extending through 2019.

**Maumee Sediment and Nutrient Reduction Initiative**  
 Subgrant Partners and Expenditure Rates

Project	Subgrant Sponsor/Recipient	Awarded	Expenditures	%Spent	
NATURE1-FDSEDM14	Putnam County SWCD	\$285,400	\$107,681	38%	
OSU-FDSEDM14	Ohio State University	\$293,200	\$59,104	20%	
NATURE1-FDSEDM14	Nature Conservancy-Outreach	\$125,000	\$2,884	2.3%	
NATURE2-FDSEDM14	Nature Conservancy-Lakeplain	\$120,000	\$10,243	8.5%	
PHEASA-FDSEDM14	Pheasants Forever	\$325,000	\$315,241	97%	
SWAMP-FDSEDM14	Black Swamp Conservancy	\$100,000	\$50,400	50%	
TMACOG-FDSEDM14	TMACOG	\$250,000	\$8,890	3%	
SWAMP2-FDSEDM14	Black Swamp Conservancy #2	\$507,500	\$0	\$0*	
DEFI-FDSEDM14	City of Defiance	\$400,000	\$0	0%*	
*Subgrants marked with an asterisk only recently have been awarded. Construction has not yet commenced		<b>TOTALS</b>	<b>\$2,406,100</b>	<b>\$554,443</b>	<b>23%</b>

The following table identifies the various management practices that are being implemented under this initiative.

**Deliverables to be completed under the Maumee Sediment and Nutrient Reduction Initiative  
Status is current as of 7/31/16**

Environmental Output	Implementing Partner	Target Number	Cumulative Results to date	% Complete	Acres to be Treated
Tile Blowouts Repaired	Putnam County SWCD	45 repairs	42 Repairs	93%	900 acres
2-Stage Ditch Constructed	Putnam County SWCD	6000 linear feet	1300 linear feet	20.3%	5,400 acres
Grass Surface Drains Installed	Putnam County SWCD	44,400 linear feet	40,577 linear feet	91.3%	620 acres
Install Blind Inlets	Putnam County SWCD	30 blind inlets	1 blind inlet	3%	300 acres
Implement Drainage Water Mgmt	Multiple Partners	286 acres	196 acres	69%	286 acres
Drainage Water Control Structures	Putnam County SWCD	10 Structures	3 structure	30%	200 acres
Quality Assurance Plan Completed	Ohio State University	1 QAPP	1 QAPP	100%	n/a
Woodchip Bioreactors	Ohio State University	2 Bioreactors	0 Bioreactors	Starts 2017	40 acres
Phosphorus Filters	Ohio State University	2 Filters	0 Filters	Starts 2017	40 acres
Subgrant Training and Kick off	Ohio EPA	7 grantees	7 grantees	100%	n/a
Execute Subgrant Agreements	Ohio EPA	8 agreements	8 agreements	100%	n/a
Install Drainage Wetlands	Pheasants Forever	3 acres	2.9 acres	100%	136 acres
Plant Cover/Manure Crops	Pheasants Forever	136 acres	0 Acres	0%	136 acres
Saturated Buffers	Pheasants Forever	1 Buffer	1 Buffer	100%	60 acres
Riparian Restoration/Replanting	Pheasants Forever	12 acres	3 acres	25%	12 acres
Drainage Water Control Structures	Pheasants Forever	4 Structures	4 Structures	100%	136 acres
Restore Floodplain and Stream	Black Swamp Cons.	3500 linear feet.	0 linear feet	Starts 2017	4.1 acres
Sediment and Erosion Control	Black Swamp Cons.	1 Structure	0 Structures	Starts 2017	n/a
Restore Natural Streambank	Black Swamp Cons.	3500 linear feet.	0 linear feet.	Starts 2017	0.2 acres
Stabilize Eroding Streambank	Black Swamp Cons.	500 linear feet	0 linear feet.	Starts 2017	2.8 acres
Reconstruct and Restore Wetlands	Nature Conservancy	14 Acres	0 Acres	Starts 2017	14 acres
Plant Wetland Species	Nature Conservancy	10 Acres	0 Acres	Starts 2017	10 acres
Treat/Remove Invasive Species	Nature Conservancy	2 Acres	1.5 Acres	75%	2 acres
Install Large Rain Gardens	TMACOG	31000 sq. feet	0 sq. feet	Starts 2017	0.7 acres
Installed Vegetated Infiltration	TMACOG	9,000 sq. feet	0 sq. feet	Starts 2017	0.2 acres
Overwide Channel Restored	Toledo Metroparks	10,000 liner feet.	0 linear feet.	Starts 2017	10 acres
Prairie Wetlands Restored	Toledo Metroparks	60 acres	0 acres	Starts 2017	60 acres

### **Summary of deliverables completed to date:**

Ongoing implementation of the Maumee River Sediment and Nutrient Reduction Initiative has resulted in completion of the following deliverables through the reporting period:

- 42 tile blowouts repaired
- 1300 linear feet of 2-stage ditch constructed
- 40,577 linear feet of grass surface drains installed
- 1 blind inlet installed
- 196 acres of drainage water management
- 7 drainage water control structures installed
- 2.9 acres of wetlands installed
- 1 saturated buffer installed treating 60 acres of cropland
- 3 acres of riparian areas restored and planted
- 1.5 acres of invasive species treated

During the reporting period Ohio EPA NPS Program staff executed 3 subgrant agreements, processed 12 payment requests, 29 Financial Status Reports (FSR) and 19 Semi-annual Technical Reports (SATR).

### **FY14 Lake Erie Watersheds Nutrient Reduction Initiative – Phase 2 Federal Grant # Grant #GL-00E001456 State ID 14BROK**

The Lake Erie Watersheds Nutrient Reduction Initiative commenced on 2/25/15 when Ohio EPA applied for and received GLRI Grant #GL-00E01546 in the amount of \$6689,000 from USEPA's Great Lakes National Program Office. The project is a collaboration among Ohio EPA and the Crawford County SWCD. The project will increase the implementation of conservation management practices and modify land and fertilizer management practices in five northern Ohio watersheds which drain into Lake Erie.

Through 6/30/16 the Lake Erie Watersheds Nutrient Reduction Initiative has successfully completed the following:

- 8 drainage water management systems installed
- 3,766 acres of cover crops planted
- 742 acres of cover crop entrepreneur assistance completed
- 12,781 acres of cropland covered by comprehensive farm management plans
- 74 acres enrolled in Phosphorus risk reduction initiative
- 815 acres converted to accelerated nutrient management practices
- 3 landowner workshops conducted
- 1 field day completed

During the reporting period Ohio EPA NPS Program staff processed 3 payment requests, 4 quarterly financial status reports, and 3 semi-annual technical progress reports.

## Surface Water Improvement Fund Grants

Ohio's Surface Water Improvement Fund (SWIF) was established in 2009 and codified in the Ohio Revised Code in 2012. Since 2010 Ohio EPA has awarded 152 SWIF grants totaling \$15.5 million 135 different local governments, conservation organizations, SWCD's and park districts. SWIF funded projects have been implemented in 66 watersheds throughout Ohio.

Nearly \$8 million (65%) of SWIF funds were awarded to implement green stormwater management demonstration projects. 18% (\$2.2 million) of SWIF funded projects conducted local stream restoration projects and the remaining 17% of SWIF grants were awarded for wetland restoration, nutrient reduction and other NPS projects. Ohio EPA also has successfully used SWIF funding to leverage an additional \$2.8 million in federal Great Lakes Restoration Initiative (GLRI) funding for projects in Cuyahoga and Lucas counties.

Ohio EPA's NPS Program is currently managing 18 active Surface Water Improvement Fund subgrants under provisions of 4 different SWIF grant cycles as listed below:

- FY14 Statewide SWIF Grants            1 funded project currently active
- FY15 Statewide SWIF Grants            6 funded projects currently active
- FY14 Lake Erie Watershed SWIF        5 funded projects currently active
- FY15 Lake Erie Watershed SWIF        6 funded projects currently active

Ohio EPA's SWIF program is designed to ensure that all projects are consistent with recommendations in Ohio's updated NPS Management Plan, approved Total Maximum Daily Load Studies, and state endorsed 9-element watershed action plans. Eligibility, application procedures and grant administration requirements are identical to Ohio's Section 319(h) subgrant process. This consistency insures efficiency and provides enhanced clarity to NPS project implementers.

SWIF-funded grant projects tend to be single-site projects and include a wide array of innovative stormwater management practices, stream and wetland restoration, inland lake management and other activities. As referenced above, the bulk of SWIF grants are awarded to Ohio municipalities, counties and/or townships and villages. Most SWIF funded projects (65%) are innovative stormwater management demonstration projects including rain gardens, pervious pavements, stormwater wetland treatment areas, biofiltration areas and green roofs. About 18% of SWIF projects are for stream restoration and/or streambank stabilization activities.

## Nonpoint Source Stakeholder Meetings, Outreach and Presentations October 1, 2015 – September 30, 2016

- October 1<sup>st</sup> Russ Gibson attended the Healing Our Waters Conference in Chicago, Illinois. Chaired a panel with representatives of the city of Lorain, Lorain County and the Black River Area of Concern.
- October 1<sup>st</sup> Rick Wilson conducted GLRI subgrant a site visit with Crawford County SWCD (FY11 GLRI Lake Erie Nutrient Reduction Demonstration Project).
- October 1<sup>st</sup> Wilson conducted a GLRI subgrant site visit with the University of Findlay (FY12 GLRI Upper Blanchard Watershed Project).
- October 3<sup>rd</sup> Gibson participated in the community site dedication ceremony in the city of Westerville celebrating the success of state grant project **11(h)EPA-20**.
- October 8<sup>th</sup> Participated in the Fall DSW Water Quality workshop at Highbanks Metropark.
- October 9<sup>th</sup> Gibson participated in a conference call with the Muskingum Watershed Conservancy District to discuss potential Supplemental Environmental Project (SEP) consisting of reintroducing hellbenders in the Kokosing river. Project went forward but did not involve SEP funds.
- October 14<sup>th</sup> Gibson conducted section 319 grant review training with DSW staff from NEDO and NWDO as well as a representative from the Division of Environmental and Financial Assistance (DEFA).
- October 19<sup>th</sup> Wilson participated in a conference call with Cherie Blair and Greg Nageotte to discuss development of 9-element watershed plan template and sample document.
- October 20<sup>th</sup> Gibson and Martha Spurbeck met with Matt Latham of Mill Creek Watershed Council of Governments.
- October 22<sup>nd</sup> Gibson and Wilson conducted a site with Ottawa County SWCD regarding **14(h)EPA-24** to determine progress, identify any issues and to view some of the progress that had occurred.
- October 28<sup>th</sup> Gibson and Wilson conducted water sampling at Kiser Lake State Park and did a windshield tour of several Concentrated Animal Feeding Operations in the vicinity.
- November 9<sup>th</sup> Wilson participated in the ACWA NPS workgroup conference call.
- November 12<sup>th</sup> Wilson and Gibson participated in a meeting with representatives from the Nature Conservancy (TNC) to discuss implementation of the fee-in-lieu of mitigation program being implemented by TNC. They are having some difficulty finding qualified projects and asked for our help with locating/identifying suitable projects.
- November 13<sup>th</sup> Wilson represented Ohio EPA at the Ohio Certified Crop Advisory Board of Directors biannual meeting.

- November 17<sup>th</sup> Gibson attended the Ohio Soil and Water Conservation Commission quarterly meeting at ODNR's Fountain Square Facility. He serves as an ex-facto non-voting member on the Commission.
- November 18<sup>th</sup> Gibson attended the black River Advisory Committee quarterly meeting in Lorain.
- November 20<sup>th</sup> Gibson attended day long union contract training for managers
- December 2<sup>nd</sup> Gibson and Wilson conducted site visits in NE Ohio at projects within the cities of Hudson (14SWIF-LEW-45), Pepper Pike (**13(h)EPA-13**), and the city of Stow (**14(h)EPA-12**).
- December 7<sup>th</sup> Wilson represented Ohio EPA at the 2015-16 Ohio State University's Agricultural Policy and Outlook Conference Series Dean's Preview meeting.
- December 10<sup>th</sup> Attended the Maumee AOC Annual Summit in Toledo.
- December 17<sup>th</sup> Gibson and Wilson met with TMACOG's watershed committee to discuss pending section 319 requirements dealing with 9-element watershed plans.
- December 21<sup>st</sup> Meeting with Ohio Department of Agriculture to discuss NPS core program deliverables and upcoming workplan.
- January 11<sup>th</sup> Rick Wilson participated on AWCA NPS Workgroup conference call.
- January 12<sup>th</sup> Russ Gibson participated in a meeting with Director Butler, Danielle Giannantonio, and Representative Hill to discuss items of interest and concern with HB 297.
- January 19<sup>th</sup> Wilson and Gibson met with watershed staff from Rural Action and Ohio University to kick off the Appalachian Ohio Regional Watershed Assistance Initiative.
- January 20<sup>th</sup> R. Gibson and R. Wilson met with central Lake Erie Regional Watershed Collaborative to discuss 9-element watershed planning strategies.
- January 26<sup>th</sup> Gibson participated in the daylong Federal/State Area of Concern program review. Participants included GLNPO, USFWS, ODNR, USGS, NOAA and Ohio EPA district and central office staff.
- February 4<sup>th</sup> Gibson and Wilson met in NWDO to discuss Swan Creek 9-element watershed plan development.
- February 8<sup>th</sup> Gibson, Spurbeck and Wilson met with representatives from Cleveland Hopkins International Airport to discuss progress and issues of concern with project **12(h)EPA-43**, which will install two green roofs at the airport terminal.
- February 9<sup>th</sup> Met with Jennifer Eismeier to discuss progress and concerns related to the Southwest Ohio Regional Watershed Assistance Project **14(h)EPA-31**.
- February 17<sup>th</sup> Wilson participated in a conference call with the Ohio Federation of Soil and Water Conservation Districts (OFSWCD) regarding a presentation that he was asked to present at their annual conference.

- February 18<sup>th</sup> Gibson participated in a day-long monitoring strategy meeting with DSW Water Quality and Ohio EPA District staff.
- February 19<sup>th</sup> Gibson and Wilson traveled to Ohio EPA's Groveport field office to meet with Ecological Assessment Unit (EAU) staff to develop plans for pre and post construction monitoring of Section 319 projects.
- February 23<sup>rd</sup> Meeting with Partners for Clean Streams (PCS) and the Maumee Area of Concern Advisory Committee to go over FY 16 Lake Erie AOC funding expectations.
- February 23<sup>rd</sup> Rick Wilson delivered a Section 319 grants presentation at the annual conference of the OFSWCD.
- February 24<sup>th</sup> Gibson met with the Inland Lakes team to review 2016 inland lake monitoring strategy and plans.
- February 25<sup>th</sup> Participated on the AWCA Nonpoint Source workgroup conference call.
- March 1<sup>st</sup>-4<sup>th</sup> Gibson attended the National Area of Concern Conference in Dearborn, Michigan with Chief Kavalec and Amy Jo Klei. Amy Jo gave a presentation on her experiences working with Ohio's Areas of Concern.
- Marc 2<sup>nd</sup> Rick Wilson delivered a power point presentation on the efficacy of saturated buffers at the Ohio Conservation Tillage Conference at Ohio Northern University in Ada, Ohio.
- March 4<sup>th</sup> Meeting with several members of the Inland Lakes team to discussion transition of program to the NPS Section.
- March 7<sup>th</sup> Wilson and Gibson conducted a site visit to the city of Hilliard's Clover Groff stream restoration project site. **13(h)EPA-21**
- March 8<sup>th</sup> Gibson attended Cuyahoga AOC meeting with Ted Conlin and Jane Goodman of the Cuyahoga River Restoration group.
- March 8<sup>th</sup> Gibson, Wilson and Klei participated in a GLRI conference call to the states with GLNPO's director and staff to discuss FY16 GLRI grants announcement and issues.
- March 24<sup>th</sup>-25<sup>th</sup> Wilson and Gibson attended the Great Lakes Commission sponsored GLRI sediment reduction priority watersheds meeting in Chicago, Illinois.
- March 30<sup>th</sup> NPS Program staff attended program/grant review with USEPA's Region 5 staff, Alex Schusler. Following this meeting Ohio EPA received correspondence commending us for our grant management and administration.
- March 31<sup>st</sup> Gibson and Spurbeck attended Ohio EPA sponsored Equal Employment Opportunity training at the Ohio Department of Transportation.
- April 7<sup>th</sup> Wilson and Gibson attended the spring water quality workshop at Highbanks Metroparks sponsored by the Division of Surface Water.

- April 12<sup>th</sup> Wilson led and Gibson participated in a workgroup meeting to develop a means for recognizing organizations who purchase nutrient stewardship credits of existing Water Quality Trading partners.
- April 18<sup>th</sup> Gibson and Wilson conducted site visits in the Cincinnati area including the city of Blue Ash **15(h)EPA-25** and Forest Park **12SWIF-39**.
- April 19<sup>th</sup> Gibson attended a meeting with Bruce Cleland of Tetrattech to discuss progress thus far with the development of a 9-element equivalent implementation plan for the Maumee River.
- April 22<sup>nd</sup> Gibson attended Ohio EPA Area of Concern Coordination meeting with Ted Conlin and Cherie Blair in Ohio EPA's Twinsburg office.
- April 25<sup>th</sup>-27<sup>th</sup> Gibson attended the Hypoxia Task Force Meeting in St. Louis, MO with Ohio EPA staff Dan Dudley and the Ohio Department of Agriculture's Deputy Director John Schlichter.
- April 25<sup>th</sup> Wilson participated in a conference call with the Great Miami River Joint Board regarding efforts to apply for a USDA Regional Conservation Partnership Program grant.
- April 27<sup>th</sup> Wilson participated in an Avian Influenza webinar conducted by USDA
- May 6<sup>th</sup> Gibson attended the Black River Area of Concern Advisory Committee meeting in the city of Lorain.
- May 12<sup>th</sup> Wilson participated in USEPA webinar: Protecting Aquatic Life from the Effects of Hydrologic Alteration.
- May 13<sup>th</sup> Wilson assisted the Ohio Department of Agriculture with the review of Great Lakes Commission grant applications.
- May 19<sup>th</sup> Gibson conducted site visits in the Cincinnati area including the city of Cincinnati **16(h)EPA-13**, Wyoming 16(h)EPA-10, and SWIF grantees city of Wyoming **14SWIF-76**, Reading **14SWIF-23**, and Forest Park **12SWIF-39**.
- June 2<sup>nd</sup> Rick Wilson represented Ohio EPA at the ODA-CAFF Advisory Committee meeting
- June 2<sup>nd</sup> & 9<sup>th</sup> First Lake Management Webinar conducted by Tetrattech for Ohio EPA under contract to USEPA. The second webinar in the series was conducted on June 9<sup>th</sup>.
- June 15<sup>th</sup> Tetrattech Lake Manager's Workshop was conducted at Horace A. Collins lab in Alum Creek State Park. Approximately 40 participants attended representing multiple agencies, parks and programs.
- June 23<sup>rd</sup> Gibson traveled to Bowling Green to attend a meeting of the Maumee Area of Concern Advisory Committee with Ted Smith of GLNPO to discuss the need for a final management action list.
- June 23<sup>rd</sup> Gibson attended meeting in Lorain to discuss issues and concerns with the final management actions list and escalating costs in the Black River AOC. Representatives from NEDO, USEPA GLNPO, and the city of Lorain attended.

- June 27<sup>th</sup> Gibson and Wilson met with Jen Grieser of Cleveland Metroparks to conduct site visits at the Seneca Golf Course green infrastructure project site and the stream restoration site at Acadia Metropark. Both sites are funded under **12SWIF-CUY-08**
- June 30<sup>th</sup> Gibson met with Deputy Director Schlister of the Ohio Dept. of Agriculture to discuss path forward for the Section 319 core program funds that Ohio EPA awards to the Division of Soil and Water Conservation each year.
- July 1<sup>st</sup> Wilson and Gibson traveled to Mercer County to complete a site visit at the GLRI-Maumee Sediment Reduction grant-funded VanTillburg drainage water capture/reuse and saturated buffer project. **#PHEASA-FDSEDM14**
- July 11<sup>th</sup> Gibson met with Jen Eismeier of Mill Creek Watershed Council of Governments to discuss options for a match issue that she is having with the city of Cincinnati lowhead dam removal project funded under **16(h)EPA-13**.
- July 13<sup>th</sup> Gibson attended the Black River Area of Concern Advisory Committee's summer meeting, potluck and boat tour of the lower Black River.
- July 15<sup>th</sup> Gibson and Wilson traveled to Grand Lake St Mary to meet with representatives of the city of Akron and the Grand Lake Restoration Commission to tour the Prairie Creek Treatment Train site. Site tour was designed how this practice might have applicability for other sites such as Lake Rockwell, which is Akron's public raw water supply.
- July 19<sup>th</sup> Met with staff from Ohio's Scenic Rivers Program to discuss 9-element watershed planning issues and opportunities. As a result of this meeting, the central Ohio Scenic River Coordinator and her intern will be preparing a 9-element plan for the Kokosing State Scenic River.
- July 21<sup>st</sup> Wilson and Gibson attended the quarterly meeting of the Ohio Soil & Water Conservation Commission in Cadiz, Ohio. Gibson serves as a non-voting member of the Commission.
- August 1<sup>st</sup> Gibson participated in a conference call with Theresa McDill of Minnesota and Bob Day of Michigan regarding 9-element planning and their experiences with the reviews of their submitted watershed plans etc.
- August 3<sup>rd</sup> Wilson participated in the International Manure Exposition at Molley Care Farms in London, Ohio.
- August 8<sup>th</sup> Gibson and Spurbeck traveled to Lorain Ohio to meet with Ted Conlin from NEDO and representatives of the LoCo Yaks, the newly selected facilitating organization for the Black River Area of Concern.
- August 11<sup>th</sup> Gibson traveled to Twinsburg to meet with Ohio EPA NEDO water quality supervisor to discuss and tour the Gorge Dam removal project site. Later that day he participated in a conference call with GLNPO to discuss Cuyahoga AOC priority restoration projects.
- August 23<sup>rd</sup> Wilson participated in a conference call with Fayette County SWCD regarding stream attainment trends and the potential usefulness of various monitoring program efforts.

- August 25<sup>th</sup> Gibson traveled to Bowling Green to participate in pre-employment interviews with the two candidates for the Lake Erie Coordination position. Cherie Blair was selected for this position which will primarily coordinate and manage activities associated with the AOC Capacity Grant and associated subgrants.
- August 25<sup>th</sup> Wilson attended the quarterly USDA-NRCS Ohio State Technical Committee meeting and tours.
- August 29<sup>th</sup> Wilson and Gibson traveled to Cleveland to Cleveland Metroparks Watershed Center and participated in the Ohio session of the Partnership for River Restoration and Science in the Upper Midwest (PRRSUM) workshop.
- September 9<sup>th</sup> Wilson presented on the Ohio Nonpoint Source Implementation Strategy (9-element planning process) at the Ohio Watershed Leaders Conference in Loveland, Ohio.
- September 16<sup>th</sup> Wilson participated in a conference call with Tetrattech concerning an upcoming webinar that is being conducted by USEPA that will review and summarize Ohio's previous lake management work with Tetrattech.
- September 19<sup>th</sup> Gibson participated in a conference call with USEPA and others regarding the Gulf of Mexico Hypoxia Task Force. Gibson serves as Ohio's representative on the Executive Committee of the HTF.
- September 20<sup>th</sup> Wilson attended the 2016 Farm Science Review in London, Ohio.
- September 20<sup>th</sup> Gibson attended the Healing Our Waters Conference in Sandusky, Ohio. This conference is sponsored by the Healthy Lakes Organization. September 20-21.
- September 21<sup>st</sup> Gibson participated on conference call with Ted Smith of GLNPO, TNC, Toledo Metroparks, USFWS, and ODNR to discuss path forward with funding for Maumee Area of Concern priority habitat restoration projects.
- September 26<sup>th</sup> Wilson met with Ohio USDA-Farm Service Agency staff to discuss NEPA requirements as they related to livestock farms.