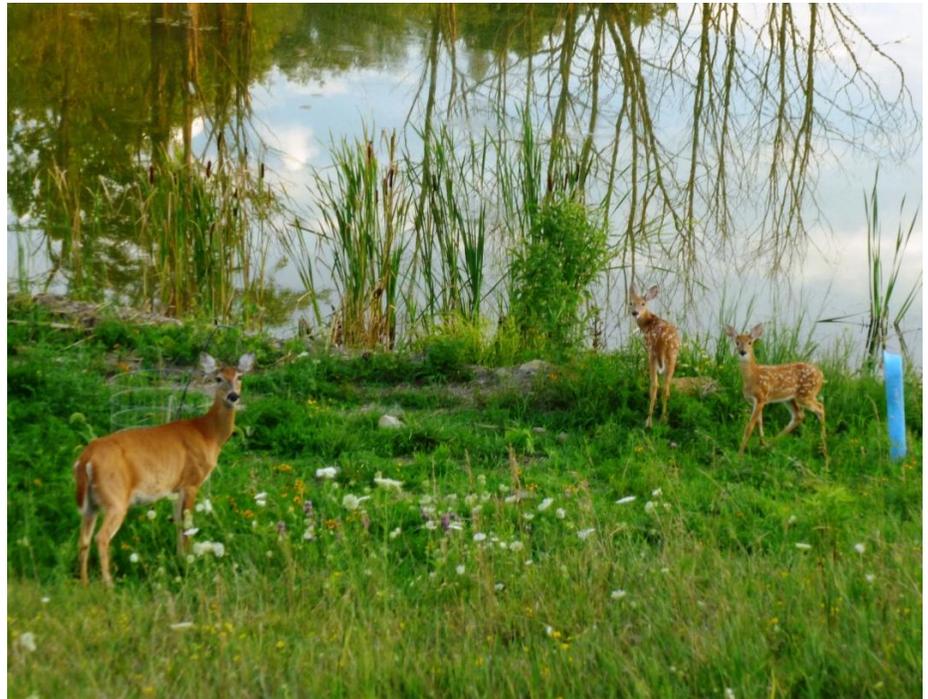




Environmental
Protection Agency

State of Ohio
Environmental Protection Agency

Surface Water Improvement Fund FY12 Annual Report



Miller Valley Wetlands Restoration at the Wilds
Project #10SWIF-066
Photo courtesy of the Wilds

September 13, 2012

Nonpoint Source Program
Russ Gibson, NPS Manager

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Ohio Environmental Protection Agency

Division of Surface Water

FY12 Annual Progress Report

Statewide Surface Water Improvement Fund Grants Program

The Surface Water Improvement Fund (SWIF) was created in 2009 by the State Controlling Board and later codified in the Ohio Revised Code as part of the mid-term budget correction process in 2012. During FY10 Ohio EPA's Nonpoint Source Program had approximately \$1 million in statewide SWIF funding that was available for local subgrants to complete stream restoration, wetlands restoration, agricultural and stormwater demonstration projects. A request for proposals (RFP) was released in 2010 soliciting local projects for funding consideration. Ohio EPA received more than 132 applications requesting nearly \$20 million in grant funds. Following a competitive process, the top 19 applicants were selected for funding in 2010 to complete the following types of projects:

- 3 stream restorations
- 2 wetland restorations
- 13 green stormwater BMP demonstrations
- 1 green roof demonstration

Following is the most up-to-date listing of project status for the Statewide SWIF grant funded projects and the amount funding that has been drawn down for each.

Project #	Subgrant Sponsor/Recipient	Status	Amount Awarded	Invoiced to Date
#10SWIF-162	Athens County SWCD Rain Gardens Project	Complete	\$7,710	\$4,796
#10SWIF-063	Granville Twp. Stream Restoration Project	Complete	\$40,487	\$34,975
#10SWIF-145	Liberty Township Wildcat Run & Stormwater	Ongoing	\$108,991	\$72,702
#10SWIF-044	City of Dublin Green Roof Demonstration	Complete	\$50,560	\$50,560
#10SWIF-066	The Wilds Miller Wetland Restoration	Complete	\$141,736	\$125,376
#10SWIF-148	City of Lancaster Deeds Wetland Restoration	Complete	\$150,000	\$139,670
#10SWIF-073	Tuscarawas SWCD Rainy Day Roots	Complete	\$6,255	\$5,627
#10SWIF-098	Concord Township Stormwater Demonstration	Complete	\$61,644	\$59,202
#10SWIF-097	Portage County Parks Stream Restoration	Complete	\$46,496	\$46,496
#10SWIF-118	Mill Creek Metroparks Rain Garden	Complete	\$11,597	\$9,828
#10SWIF-151	City of Eastlake	Complete	\$64,479	\$49,493
#10SWIF-012	Bath Township Stormwater Demonstration	Complete	\$34,560	\$34,560
#10SWIF-062	Knox County Hiawatha Park Stormwater Demo	Complete	\$49,996	\$46,672
#10SWIF-094	Chester Township Stormwater Demonstration	Complete	\$77,295	\$15,385
#10SWIF-111	Portage Co. Commissioners Stormwater	Complete	\$34,746	\$33,954
#10SWIF-015	Meigs County SWCD Forest Buffer Project	Complete	\$1,273	\$1,191
#10SWIF-160	Mercer County In-Lake Aeration System	Complete	\$60,000	\$59,885
#10SWIF-053	City of Piqua Stream Restoration Project	Complete	\$149,484	\$117,664
#10SWIF-127	Anderson Twp. Parks Permeable Pavement	Complete	\$150,000	\$150,000
Total Subgrant Amount Awarded			\$1,247,309	\$1,058,036

Ohio's Nonpoint Source Program is completing a highly successful first round of Surface Water Improvement Fund (SWIF) grants projects. The SWIF program enhances Ohio EPA's nonpoint source efforts by providing more than \$3 million in additional funding available for locally implemented nonpoint source, stream restoration and innovative stormwater management projects.

During the reporting period, Ohio EPA NPS Program staff effectively managed the implementation and administration of active and ongoing 2010 statewide SWIF subgrants. Activities completed during the reporting period include:

- Implementation of SWIF funded projects is nearing completion with only three SWIF grant funded projects still open and active. Active projects still remaining include:
 - #10SWIF-066: The Wilds
 - #10SWIF-094: Chester Township
 - #10SWIF-145: Liberty Township

- During the reporting period, 319 Grants Administrator Martha Spurbeck and NPS Program Manager Russ Gibson completed site visits at the following FFY10 SWIF grant recipients:
 - #10SWIF-012: Bath Township Pervious Pavement Treatment Train
 - #10SWIF-145: Liberty Township Wildcat Run Stream Restoration
 - #10SWIF-148: City of Lancaster Deeds Wetland Restoration Project
 - #10SWIF-044: City of Dublin Green Roof Project
 - #10SWIF-111: Portage County Commissioners Stormwater Demonstration Project
 - #10SWIF-097: Portage County Park District Stream Restoration Project
 - #10SWIF-098: Concord Township Stormwater Demonstration Project
 - #10SWIF-094: Chester Township Stormwater Demonstration Project

- Throughout the FY12 reporting period, Ohio NPS grants staff processed 33 Statewide SWIF subgrant payment requests, 26 semi-annual technical reports, 156 quarterly fiscal reports and final reports and payments for . Additionally, all Surface Water Improvement Fund 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.

- Table 1-2 below identifies all statewide SWIF grants that were successfully completed and closed out during the reporting period.



Rain Gardens such as this one demonstrated at Liberty Park in central Ohio, are effective tools at passively treating roof runoff and other surface flows that can contribute to water quality problems. SWIF grants funded multiple rain gardens throughout Ohio.

Table 1-2
Ohio Environmental Protection Agency
STATE Surface Water Improvement (SWIF) Grants
Subgrants Closed Out during FFY 2012

Project Number	Project Sponsor	Total SWIF Amount Awarded	Total SWIF Expenditures	% Spent	Date Closed
#10SWIF-GLSM-53	City of Piqua	\$149,484	\$117,664	79%	12/20/11
#10SWIF-044	City of Dublin	\$50,560	\$50,560	100%	02/08/12
#10SWIF-062	Knox County	\$49,957	\$46,672	93.5%	07/12/12
#10SWIF-063	Granville Township	\$39,847	\$34,975	87.8%	08/22/12
#10SWIF-073	Tuscarawas County SWCD	\$6,255	\$5,627	90%	06/04/12
#10SWIF-097	Portage County Park District	\$46,496	\$46,496	100%	07/18/12
#10SWIF-098	Concord Township	\$61,644	\$59,202	96%	08/31/12
#10SWIF-111	Portage County Commissioners	\$33,954	\$33,954	100%	04/04/12
#10SWIF-118	Mill Creek Metroparks	\$10,850	\$9,827	90.6%	07/03/12
#10SWIF-148	City of Lancaster	\$150,000	\$139,670	93.1%	07/06/12
#10SWIF-151	City of Eastlake	\$64,479	\$49,493	76.8%	06/13/12
#10SWIF-162	Athens County SWCD	\$7,710	\$4,796	62.2%	07/06/12
TOTALS		\$523,249	\$458,263	87.5%	



Surface Water Improvement Fund grants provide Ohio EPA with the opportunity to assist communities and other large land-holders such as park districts, to begin the transition from gray stormwater infrastructure to green stormwater practices such as this demonstration rain garden installed under project #10SWIF-118.

Following the success of the 2010 SWIF program, Ohio EPA released a second SWIF grant Request for Proposals on 1/23/12. In response, we received 55 applications requesting more than \$3.7 million for a variety of stream restoration, stormwater demonstration and other types of nonpoint source management projects. The SWIF guidelines and eligibility mirror Ohio's Section 319 program grants—as a result, NPS efforts in Ohio are nearly double what they would be if NPS implementation funding was limited to section 319 funds.

Activities associated with the FY2012 statewide SWIF grants application process completed during the reporting period were:

- FY12 Surface Water Improvement Fund grant information sessions were conducted by Grants Administrator Martha Spurbeck and NPS Program Manager Russ Gibson the following dates:
 - 2/09/12—Northeast District Office SWIF Presentation-68 participants
 - 2/19/12—Southwest District Office SWIF Presentation-10 participants
 - 2/23/12—Central District Office SWIF Presentation-12 participants
 - 2/24/12—Northwest District Office SWIF Presentation-22 participants
- NPS program staff prepared 16 FY12 statewide SWIF grant work plans, grant agreements and other supporting documents. The total SWIF funds awarded for these 16 projects totals more than \$1,028,189. Table 1-3 below lists the FY12 statewide SWIF recipients:

Table 1-3
Ohio Environmental Protection Agency
FY12 STATE Surface Water Improvement (SWIF) Grants

Project Number	Project Sponsor	Type of Project	Total SWIF Amount Awarded
#12SWIF-05	City of Springfield	Stormwater Demonstration	\$15,000
#12SWIF-06	Village of Boston Heights	Stormwater Demonstration	\$78,900
#12SWIF-09	Clermont County Park District	Wetland Restoration	\$85,800
#12SWIF-10	City of Cuyahoga Falls	Stream Restoration	\$89,887
#12SWIF-11	City of Greenville	Stormwater Demonstration	\$11,800
#12SWIF-12	City of Gahanna	Stormwater Demonstration	\$60,000
#12SWIF-16	City of Green	Wetlands Restoration	\$100,000
#12SWIF-24	Chardon Township	Stream Restoration	\$96,070
#12SWIF-25	City of Painesville	Stormwater Demonstration	\$63,600
#12SWIF-31	City of Willoughby Hills	Stormwater Demonstration	\$80,750
#12SWIF-36	Cincinnati Park Board	Stormwater Demonstration	\$72,000
#12SWIF-37	Perkins Township	Stormwater Demonstration	\$88,480
#12SWIF-39	City of Forest Park	Stream Restoration	\$49,157
#12SWIF-42	Hamilton County Park District	Stormwater Demonstration	\$42,515
#12SWIF-48	Village of Kirtland Hills	Stormwater Demonstration	\$50,000
#12SWIF-50	Village of Fairport Harbor	Stormwater Demonstration	\$44,200
TOTALS			\$1,028,159

FY10 Statewide SWIF Project Fact Sheets



The Falls at Hayden Run – Columbus, OH
Photo by R. W. Gibson

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#10SWIF-044

Dublin Community Recreation Center- Green Roof Demonstration Project

Project Sponsor

City of Dublin
Surface Water Improvement
\$50,650 SWIF Funds

Local Project Contact

Michelle Crandall
City of Dublin
5200 Emerald Parkway
Dublin, OH 43107

Environmental Results

Installed 2300 square feet of
a green roof plant system on
the city's Recreation Center
building

Installed 2 rainwater
harvesting systems to use for
watering the green roof



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#10SWIF-066

Miller Valley Wetland Restoration at the Wilds

Project Sponsor

The Wilds
Surface Water Improvement
\$141,736 SWIF Funds

Local Project Contact

Shana Byrd
The Wilds
14000 International Road
Cumberland, OH 43732

Environmental Results

Restored 20 acres of wetland including the treatment/removal of invasive plant species, planting native species and installing a water control structure



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Nonpoint Source Program
614-644-2020



#10SWIF-111

Portage Co. Regional Planning Parking Lot Bio-Retention Cells

Project Sponsor

Portage County Planning
Surface Water Improvement
\$34,746 SWIF Funds

Local Project Contact

Claudia James, Planner
Portage Co. Commissioners
449 South Meridan St.
Ravenna, OH 44266

Environmental Results

Installed 615 square feet of
bio-retention cells within the
city of Ravenna

Conducted a project specific
public education and
outreach program including
project signs, displays, and
other activities



Division of Surface Water
Nonpoint Source Program
614-644-2020

#10SWIF-073

Fort Laurens Public Rain Garden-Rainy Day Boots

Project Sponsor

Tuscarawas County SWCD
Surface Water Improvement
\$6,255 SWIF Funds

Local Project Contact

Jennifer Fisher, Technician
Tuscarawas Co. SWCD
277-B Canal Ave. SE
New Philadelphia, OH 44683

Environmental Results

Installed 365 square feet
demonstration rain garden at
Fort Laurens State Memorial

Conducted a project specific
public education and
outreach program including
project signs, workshops, and



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Nonpoint Source Program
614-644-2020

#10SWIF-148

Deeds Wetlands Restoration

Project Sponsor

City of Lancaster
Surface Water Improvement
\$150,000 SWIF Funds

Local Project Contact

David S. Smith, Mayor
City of Lancaster
121 East Chestnut Street
Lancaster, OH 43130

Environmental Results

Restored more than 50 acres
of riparian wetland areas
along the Hocking River

Breeched existing levees to
reconnect stream to the
floodplain

Planted native tree and
shrubs on more than 15 acres

Conducted education and
outreach activities to support
the project



Division of Surface Water
Nonpoint Source Program
614-644-2020

#10SWIF-53

Echo Hills Municipal Golf Course Stream Restoration

Project Sponsor

City of Piqua
Surface Water Improvement
\$149,484 SWIF Funds

Local Project Contact

Amy Havenar, City Engineer
City of Piqua
201 W. Water Street
Piqua, OH 45356

Environmental Results

Restored and stabilized more than 930 linear feet of seriously eroding and degraded stream

Installed J-hooks, grade controls and other habitat structures within the stream

Planted 100 native trees and 250 native shrubs



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Nonpoint Source Program
614-644-2020

#10SWIF-151

Eastlake Service Yard Bio-Retention Demonstration

Project Sponsor

City of Eastlake
Surface Water Improvement
\$64,479 SWIF Funds

Local Project Contact

Mike Semik, Service Director
City of Eastlake
35150 Lakeshore Blvd.
Eastlake, OH 44095

Environmental Results

Installed more than 2,700
square feet of bio-retention
basins within the city of
Eastlake's Municipal Service
Center

Conducted project-specific
public education and
outreach activities



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Nonpoint Source Program
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#10SWIF-098

Concord Twp. Stormwater and Salt Remediation Demonstration

Project Sponsor

Concord Township
Surface Water Improvement
\$61,644 SWIF Funds

Local Project Contact

Jack Nettis, Jr.
Concord Twp-Lake County
7229 Ravenna Road
Concord Twp., OH 44070

Environmental Results

Installed 1400 square feet of
permeable pavers within the
park areas of Concord
Township Hall

Installed nearly 600 square
feet of rain gardens as
treatment areas for lot
runoff



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#10SWIF-118

Demonstration Rain Garden at Mill Creek Metroparks Farm

Project Sponsor

Mill Creek Metroparks
Surface Water Improvement
\$10,850 SWIF Funds

Local Project Contact

Kirsten Peetz
Mill Creek Metroparks
7574 Columbiana-Canfield Rd.
Canfield, OH 44406

Environmental Results

2,300 ft² of community scale rain garden demonstration area installed at the Metroparks visitors farm.

Conducted a project specific public education and outreach program including the development of press releases, installation of an interpretive sign and 2 rain garden workshops



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Nonpoint Source Program
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#10SWIF-062

Hiawatha Park Demonstration Project

Project Sponsor

Knox County Commissioners
Surface Water Improvement
\$49,996 SWIF Funds

Local Project Contact

James Henry, County Engineer
Knox County
422 Columbus Road
Mount Vernon, OH 43050

Environmental Results

Installed 1,000 square feet of
rain garden at Hiawatha Park
in the city of Mt. Vernon

Installed 1,350 square feet of
pervious pavement at Wiggin
Street Elementary school in
Gambier, Ohio

Install a project sign
highlighting the project and
SWIF grant



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#10SWIF-063

Salt Run Restoration Project

Project Sponsor

Granville Township Trustees
Surface Water Improvement
\$40,847 SWIF Funds

Local Project Contact

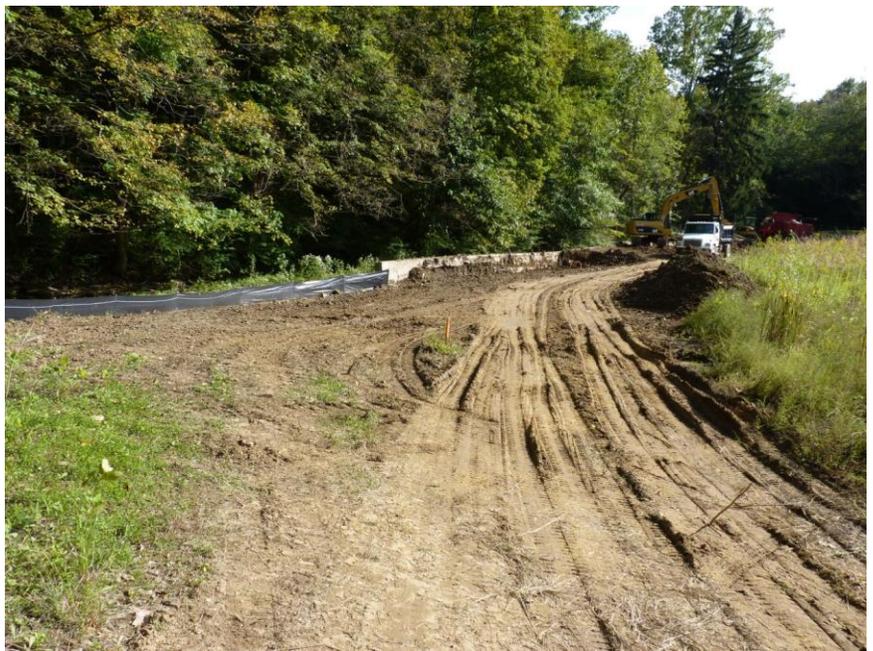
Doug Spieles, Professor
Denison University
P.O. Box 315
Granville, OH 43023

Environmental Results

Restored natural channel and flow conditions within 185 linear feet of Salt Run

Removed nearly 200 linear feet of concrete levee

Planted native hardwood tree seedlings and shrubs on approximately 1/3 acre of restored riparian areas



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Nonpoint Source Program
614-644-2020

#10SWIF-160

In-Lake Aeration System for Grand Lake St. Marys

Project Sponsor

Mercer County Commissioners
Surface Water Improvement
\$60,000 SWIF Funds

Local Project Contact

Jared Ebbing
Mercer County
220 West Livingston Street
Celina, OH 45822

Environmental Results

Purchased and installed one commercial grade aeration and water circulation system

Completed water quality monitoring and prepared a report with findings, developed a fact sheet and installed one project specific educational sign



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#10SWIF-127

Anderson Twp. Riverside Park Permeable Parking Lot

Project Sponsor

Anderson Twp Park District
Surface Water Improvement
\$150,000 SWIF Funds

Local Project Contact

Mike Smith
Anderson Twp Park District
8249 Clough Pike
Cincinnati, OH 43244

Environmental Results

Installed 40,000 square feet
of pervious pavers at
Riverside Park in Anderson
Township

Install a project sign
highlighting the project and
SWIF grant as a funding
source



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Nonpoint Source Program
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#10SWIF-094

Chester Twp. Stormwater Demonstration and Permeable Parking Lot

Project Sponsor

Chester Township
Surface Water Improvement
\$77,295 SWIF Funds

Local Project Contact

Judith Caputo
Chester Twp Trustees

Environmental Results

Installed 3000 square feet of
pervious pavers at the
Chester Township
Government Complex

Installed 2000 square feet of
bio-retention cells in public
parking areas at township
hall

Install a project sign
highlighting the project and
SWIF grant as a funding
source



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Protection Agency

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Nonpoint Source Program
614-644-2020



#10SWIF-162

Athens Urban Rain Garden Demonstration

Project Sponsor

Athens County SWCD
Surface Water Improvement
\$7,710 SWIF Funds

Local Project Contact

Cathy Bobo, District Manager
Athens County SWCD
69 S. Plains Road
The Plains, OH 45780

Environmental Results

Installed two rain gardens
totaling nearly 1,100 ft²

Conducted a project specific
public education and
outreach program including
press releases, project signs,
displays, a rain garden tour
and other activities



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Nonpoint Source Program
614-644-2020



#10SWIF-012

Permeable Parking Lot and Public Rain Garden Demonstration

Project Sponsor

Bath Township Trustees
Surface Water Improvement
\$34,560 SWIF Funds

Local Project Contact

Michael Rorar
Bath Township Parks
P.O. Box 1188
Bath, OH 44210

Environmental Results

Installed 360 square feet of permeable pavement as part of parking lot retrofit at township office complex

Installed 3200 square feet of community rain garden and stormwater infiltration area

Conducted extensive education and outreach



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Nonpoint Source Program
614-644-2020

