



Environmental  
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# Isolated Wetland Permits and 401 Water Quality Certifications in Ohio

## State Fiscal Year 2010



Prepared by:  
Division of Surface Water  
401/Wetland Section

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Ohio Environmental Protection Agency  
Division of Surface Water

This report describes isolated wetland permitting and 401 water quality certification activities and resulting mitigation for projects acted upon by Ohio EPA during the period beginning on July 1, 2009 and ending June 30, 2010 (end of the State Fiscal Year). This report is intended to satisfy the reporting requirements specified in Ohio Revised Code (ORC) 6111.025(C), which applies to the isolated wetlands only. In order to provide a more complete picture of the impacts generated by permitting activities in the state, information regarding individual 401 water quality certifications which address impacts to non-isolated waters, has been included.

### **Program Background**

The Ohio EPA isolated wetland permitting program was legislatively created in response to a U.S. Supreme Court Decision in the case of Solid Waste Agency of Northern Cook County (SWANCC) v. United States Army Corps of Engineers (Corps) 531 U.S. 159 (January 9, 2001). In its decision, the U.S. Supreme Court ruled that the Corps did not have authority to regulate isolated wetlands under Section 404 of the Clean Water Act (CWA). Prior to that ruling, the Corps regulated activities in all streams and wetlands through the issuance of 404 permits.

Section 401 of the CWA requires applicants to obtain a 401 water quality certification from the State having jurisdiction over the water body in order to obtain a 404 permit. As a result of the SWANCC decision, activities in isolated wetlands could not be permitted in the state of Ohio because there would be no 404 permit to trigger a 401 water quality certification, and because there was no independent State permitting program to take its place. Emergency rules adopted in April 2001 established a State permitting mechanism; however, these rules were effective for only 90 days.

On July 17, 2001, House Bill 231 was signed into law by Governor Bob Taft. The bill establishes a permanent permitting process for isolated wetlands. The provisions of

this bill were incorporated in ORC 6111, more specifically, Sections 6111.02 through 6111.029.

The Corps retained all of its original authority to issue 404 permits for wetlands that are not considered isolated (jurisdictional wetlands), as well as other waters of the U.S.

When the Corps requires an individual 404 permit be issued, an individual 401 water quality certification is also required. The Corps can also utilize Nationwide Permits (NWP) to authorize impacts to waters of the U.S. The NWP issued by the Corps address 50 types of activities that range from boat ramp construction to surface coal mining activities. Ohio EPA certified, with conditions, 45 of those activities on July 6, 2007. These NWP are set to expire on March 12, 2012 and draft NWP have been published in the Federal Register on February 16, 2011. The Corps was not able to provide data for inclusion in this year's report.

## **Permitting Program Description**

Reviewers in the Division of Surface Water are responsible for the 401 water quality certifications that are required by the CWA and for the isolated wetland permits that are required by State law.

### *Program Staffing*

As in previous years, the Division of Surface Water's table of organization has undergone some changes during this fiscal year.

At the start of SFY 2010, there were three positions located in two of Ohio EPA's District Offices: NEDO and NWDO. During SFY 2009, a position Ohio EPA's Southwest District Office (SWDO) became vacant and remains unfilled.

At the beginning of SFY 2010, the Division of Surface Water's Central Office table of organization contained nine staff level full-time equivalents (FTEs), classified as Environmental Specialist 2 dedicated to reviewing 401 and isolated wetland permit applications. The positions included six general application reviewers and one reviewer, funded by the Ohio Department of Transportation (ODOT), whose duties were limited to ODOT highway projects. Finally, there are two staff positions that are dedicated solely to the review of coal related applications.

Ohio EPA also funded one full-time position and two college interns dedicated to mitigation monitoring. In considering both Central Office and the District Offices, the total number of FTEs dedicated to 401 certification and isolated wetland application

review during SFY 2010 was 13 FTEs at the start of the year and 12 FTEs by the end of the year.

Program Fees

Fees for the isolated wetland permitting program are contained in ORC 3745.113. These fees include an application fee of \$200 per application as well as a review fee of \$500 per acre of wetland impacted. The maximum review fee allowed by the code is \$5,000 per application. If the application is for activities that have previously taken place without first obtaining an isolated wetland permit, the review fee is doubled (up to \$10,000).

A complete description of the 401 Water Quality Certification (WQC) fees is contained in Ohio Revised Code Section (ORC) 3745.114. Three key provisions of the 401 Water Quality Certification fees are:

- 1) A person that applies for a Section 401 Water Quality Certification must pay an application fee of \$200 at the time of application.
- 2) In addition to the application fee, that person must pay the review fees in the table below, and
- 3) One half of the applicable review fees are due at the time of application. The remainder of the fee shall be paid at the time the Director takes an action on the application.

<b>RESOURCE IMPACTED</b>	<b>REVIEW FEE</b>
Wetland	\$500 per acre
Ephemeral Stream	\$5 per linear foot or \$200, whichever is greater
Intermittent Stream	\$10 per linear foot or \$200, whichever is greater
Perennial Stream	\$15 per linear foot or \$200, whichever is greater
Lake	\$3 per cubic yard of dredged or fill material

The total fee paid shall not exceed \$25,000 per application. If the applicant is a county, township, or municipal corporation in the state, the total fee paid shall not exceed \$5,000 per application. State government and the United States Army Corps of Engineers are not subject to the fees.

Program Budget

Funds for issuing 401 water quality certifications and isolated wetland permits in SFY 2010 came from a number of different sources. The various funding sources and the breakdown of SFY 2010 expenditures from those sources are summarized in the following table:

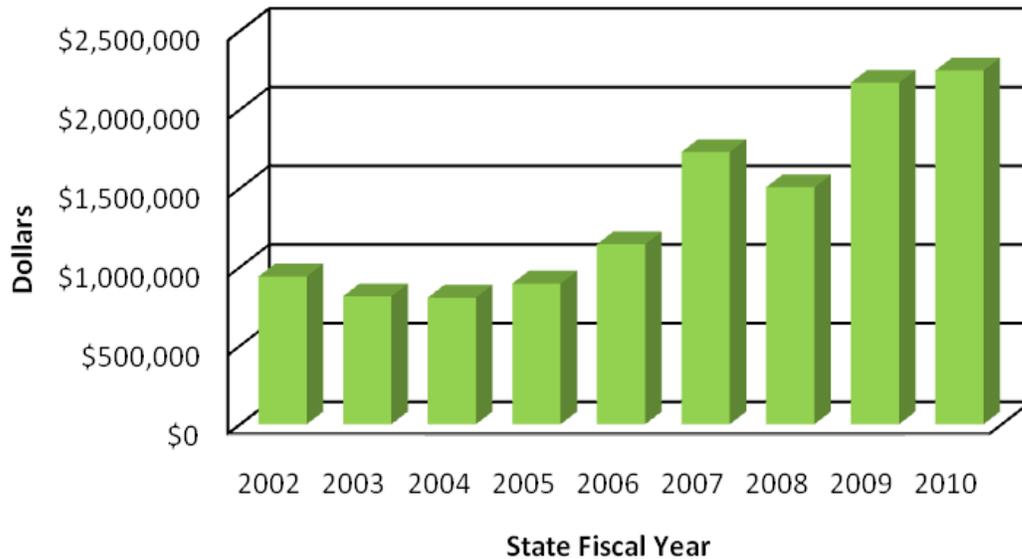
<b>SOURCE OF FUNDING</b>	<b>AMOUNT</b>	<b>% of Total</b>
Penalties	\$106,622.10	5%
401 Certification Fees	\$383,920.00	17%
ODOT	\$92,738.35	4%
Isolated Wetland Permit Fees	\$28,516.09	1%
Surface Water Fees	\$380,290.01	17%
Environmental Protection Fees	\$1,148,768.06	51%
U.S. EPA Wetland Grants	\$104,420.40	5%
<b>TOTAL EXPENDITURES</b>	<b>\$2,245,275.01</b>	<b>100%</b>

This funding level represents a 4% increase over that observed in SFY 2009 (\$2,167,769).

Please note that the costs in the above table include all of the costs involved in the isolated wetland permit and 401 water quality certification processes. Other ancillary program costs included in this analysis of the total program budget include support from legal staff, enforcement staff, administrative staff and data management staff.

A summary of program costs since SFY 2002 is presented in the following graph.

## Program Cost Trends



### Applicants and Stakeholders

Applicants seeking 401 certifications and/or isolated wetland permits from Ohio EPA include, but are not limited to: residential, commercial and industrial developers; mining companies; county, state and federal agencies; utility companies; marina owners; and individual citizens. Stakeholders include the above applicants, as well as local, statewide and national citizen groups and environmental organizations.

## Summary of Outputs

### Isolated Wetland Permits

	Number permits issued	Acres of isolated wetlands filled	Acres of mitigation provided
General Permits	29	4.12	9.59
Individual Permits	11	21.74	49.11
<b>Total</b>	<b>40</b>	<b>25.86</b>	<b>58.70</b>

The information presented above represents an approximate 30% decrease in the number of Isolated Wetland Permits issued in SFY 2010 over that issued in SFY 2009 and a 9% decrease in the acres of impacts authorized during that time period. 3 Isolated Wetland Permit applications were withdrawn by the applicants during SFY 2010, bringing the total number of applications processed to 43.

**Figure 1** contains a map of Ohio showing the spacial distribution of the isolated wetland permits issued during SFY 2010. Due to the map scale, multiple projects may show as a single marker on the map.

**Table A** lists each project acted upon with columns indicating the corresponding applicant name, date action was taken, acres filled, acres mitigated, permit type (level one, two, or three review), and the number of days to process each application. This table also provides the 8 digit hydrologic unit code (HUC) for the impacts and the mitigation associated with that impact. The total number of acres impacted in each of the HUCs by the isolated wetland permitting program is also provided in this table. Please note that if a project is listed in this table more than once, it is due to the fact that mitigation for the project occurred in more than one watershed.

**Individual 401 Water Quality Certifications**

401s issued	Acres of Jurisdictional Wetlands		Stream Impacts (linear feet)	Lake Impacts (cubic yards)
	filled	mitigation		
55	31.03	67.54	72,205	2,517,597

The information presented above shows a 40% decrease in the number of 401 Water Quality Certifications issued in SFY 2010 as compared to SFY 2009. Wetland impacts showed a 63% decrease in the acres of impacts authorized during that same time period. Linear feet of stream impacted decreased approximately 69% and the amount of dredge and fill material impacting Ohio lakes increased by 20% over the previous year.

The total number of 401 Water Quality Certification applications process during SFY 2010 was 79, and is broken down into the following categories:

<b>401 Applications Processed</b>	79
<b>401 Certifications Granted</b>	55
<b>Applications Withdrawn</b>	18
<b>Applications Waived</b>	1
<b>Applications Denied</b>	5

**Figure 2** contains a map of Ohio showing the spacial distribution of the 401 Water Quality Certifications issued during SFY 2010. Due to the map scale, multiple projects may show as a single marker on the map.

401 water quality certifications can be issued to address impacts to streams and lakes as well as those jurisdictional wetlands that fall under the authority of the CWA.

**Table B** lists each project with wetland impacts and includes columns indicating the corresponding applicant name, date action was taken, acres filled, acres mitigated, and the number of days required to process each application. This table also provides the 8 digit HUC for the impacts and the mitigation associated with that impact. The total number of acres impacted in each of the HUCs by the 401 water quality certification program is also provided in this table. Please note that if a project is listed in this table more than once, it is due to the fact that mitigation for the project occurred in more than one watershed

**Table C** lists each project with stream impacts and includes columns indicating the corresponding applicant name, date action was taken, linear feet of stream impacts certified, and the number of days required to process each application.

**Table D** lists each project with lake impacts and includes columns indicating the corresponding applicant name, date action was taken, cubic yards of dredge materials allowed under the certification, and the number of days required to process each application.

**Table E** lists each of the 8 digit HUC codes and its corresponding basin name in the state of Ohio. This table also summarizes, by HUC, the impacts and mitigation acreage on both jurisdictional and isolated wetlands.

In reviewing the information contained in the tables, please note the following:

1. Adding the projects listed in Tables A, B, C and D will over-estimate the number of actions taken by Ohio EPA, since a single application may have impacts in more than one type of water body. The tables were generated to show the various types of impacts certified by Ohio EPA via individual 401 water quality certifications.
2. Tables C and D do not contain a summary of mitigation resulting from the certifications issued. Current tracking of stream and lake mitigation does not allow electronic manipulation of that data.

## Customer Feedback Survey

During SFY 2010, the Division of Surface Water undertook a Kaizen review in order to improve the timeliness and efficiency of the 401 water quality certification process. One of the outcomes of the Kaizen review was the implementation of an electronic based customer service survey. The survey can be found at the following web site:

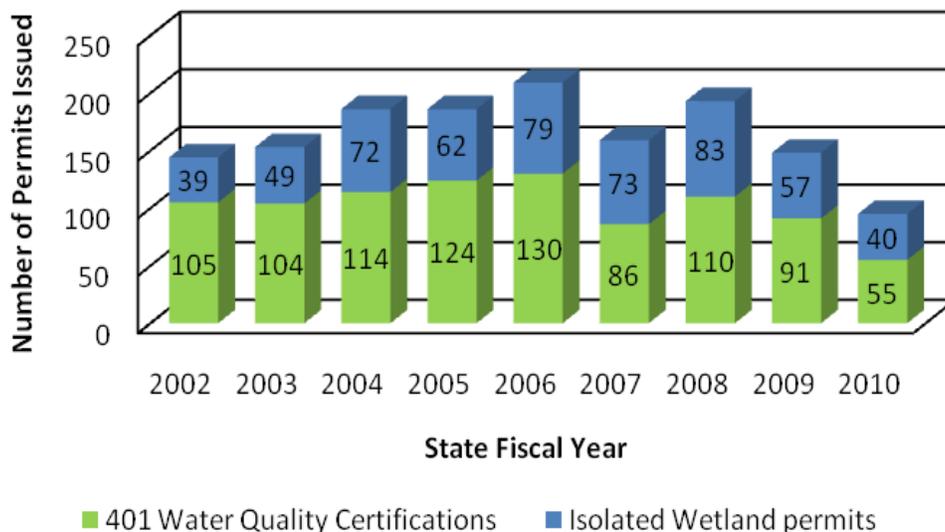
<http://www.surveymonkey.com/wqc-iwpfeedbackform>

This link is also included in each certification issued by Ohio EPA. The survey was activated on June 1, 2010, near the end of the state fiscal year. No feedback had been received during that brief period. Future reports will summarize the results received during the SFY in question.

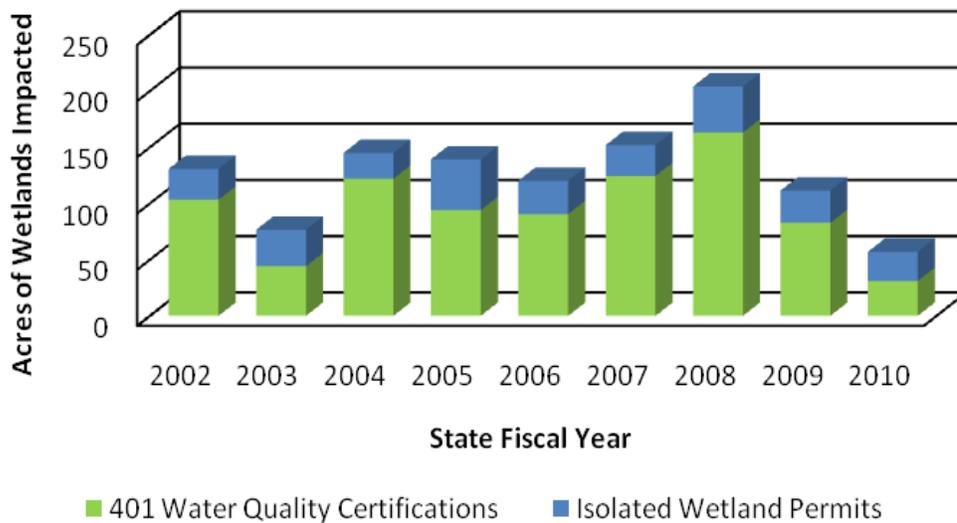
## Permitting Trends

The following graphs show the trends in permit activity that have taken place since the Isolated Wetland Permits were created. Graph #1 shows the number of 401 Water Quality Certifications and Isolated Wetland permits issued during each fiscal year. Graph #2 shows the acres of wetland impacts authorized by the two programs. Graph #3 shows the linear feet of Ohio stream that had some type of authorized impacts and Graph #4 shows the cubic yards of material that was placed in Ohio lakes, mainly Lake Erie.

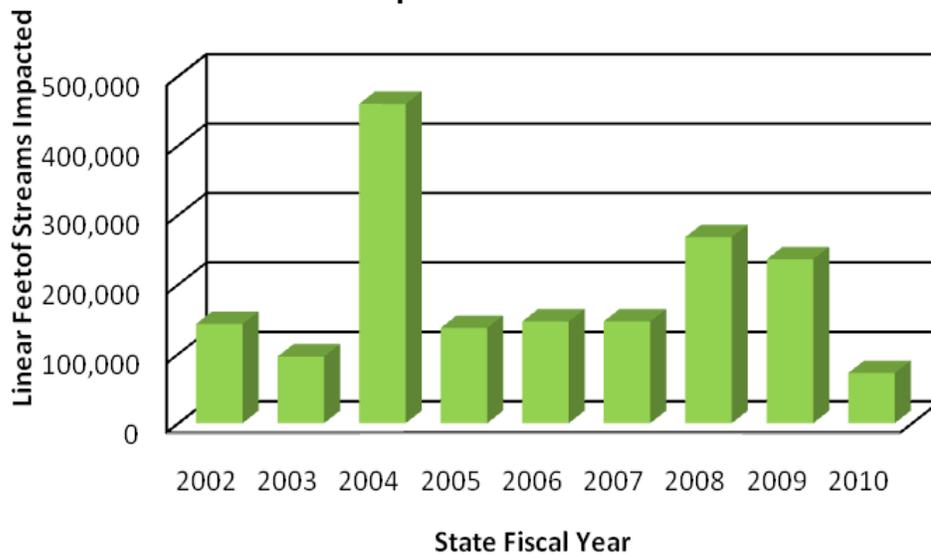
**Graph 1 - 401 WQC and Isolated Wetland Permits  
- Number of Permits -**



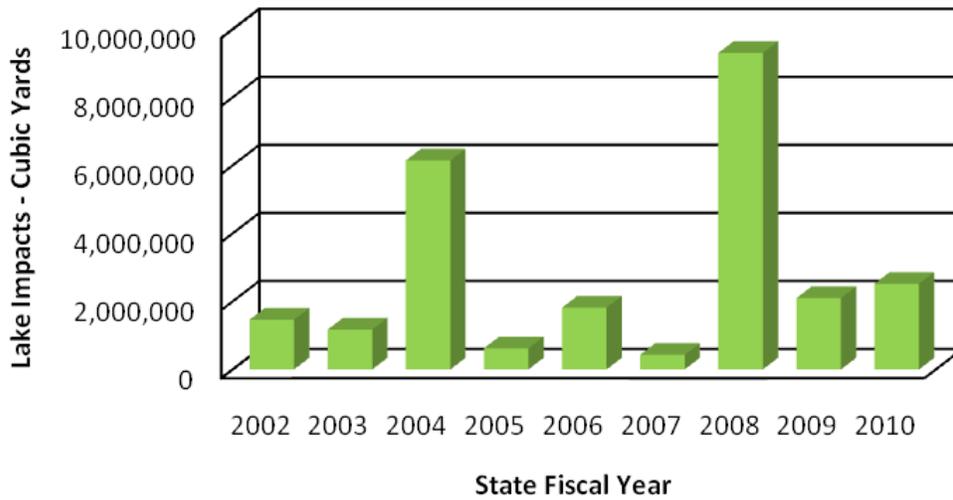
**Graph 2 - 401 WQC and Isolated Wetland Permits  
- Wetland Acres Impacted-**



**Graph 3 - 401 WQC  
Stream Impacts - Linear Feet**



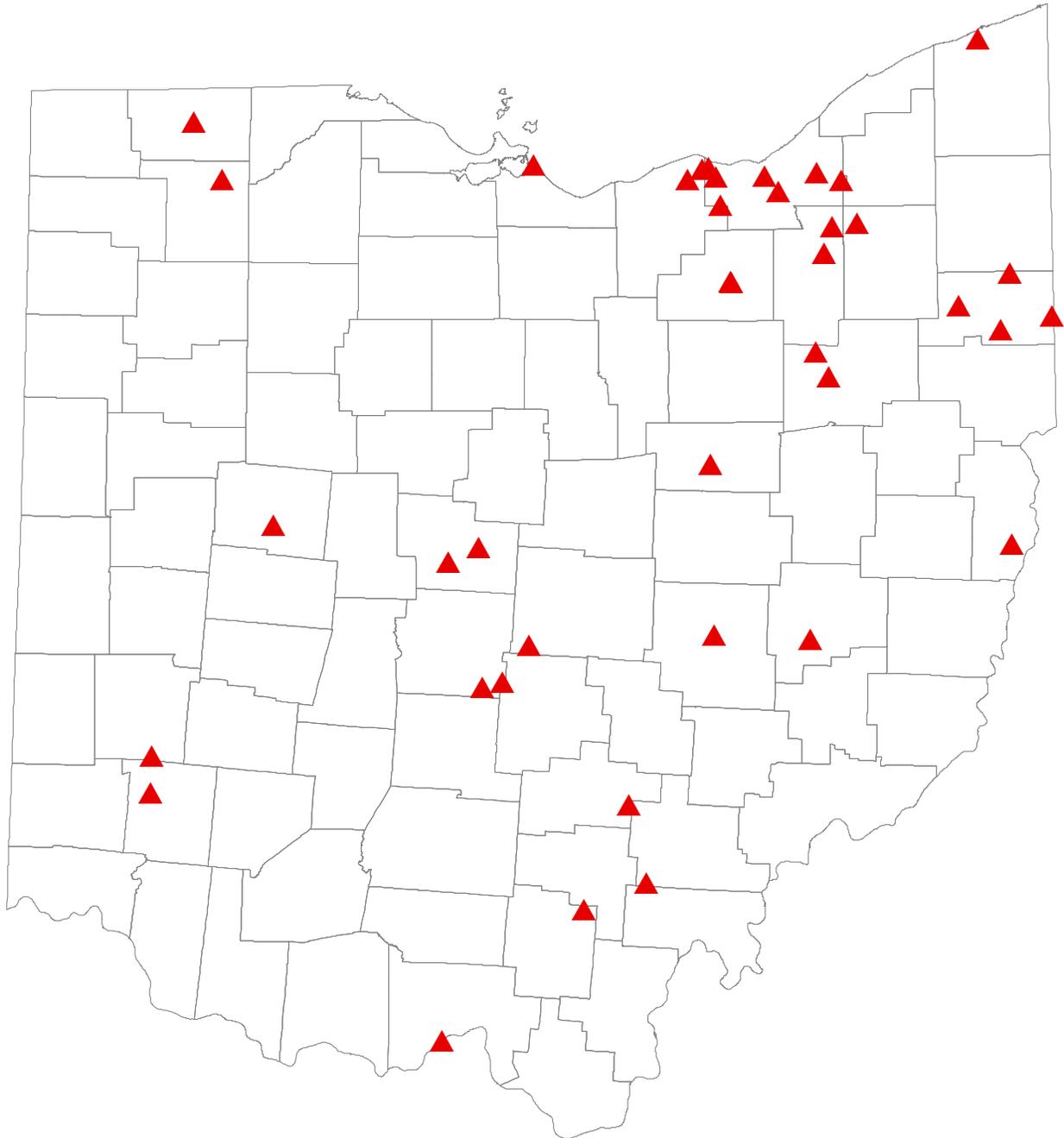
**Graph 4 - 401 WQC  
Lake Impacts - Cubic Yards**



Questions regarding this report should be directed to Randy Bournique, Manager of the 401 Water Quality Certification Section, at (614) 644-2013 or via e-mail at:

[randy.bournique@epa.state.oh.us](mailto:randy.bournique@epa.state.oh.us).

Figure 1: Isolated Wetland Permits  
Issued in State Fiscal Year 2010



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▲ Isolated Wetland Permit  
□ County Boundary

Table A  
Isolated Wetland Permits  
Issued Between July 1, 2009 and June 30, 2010

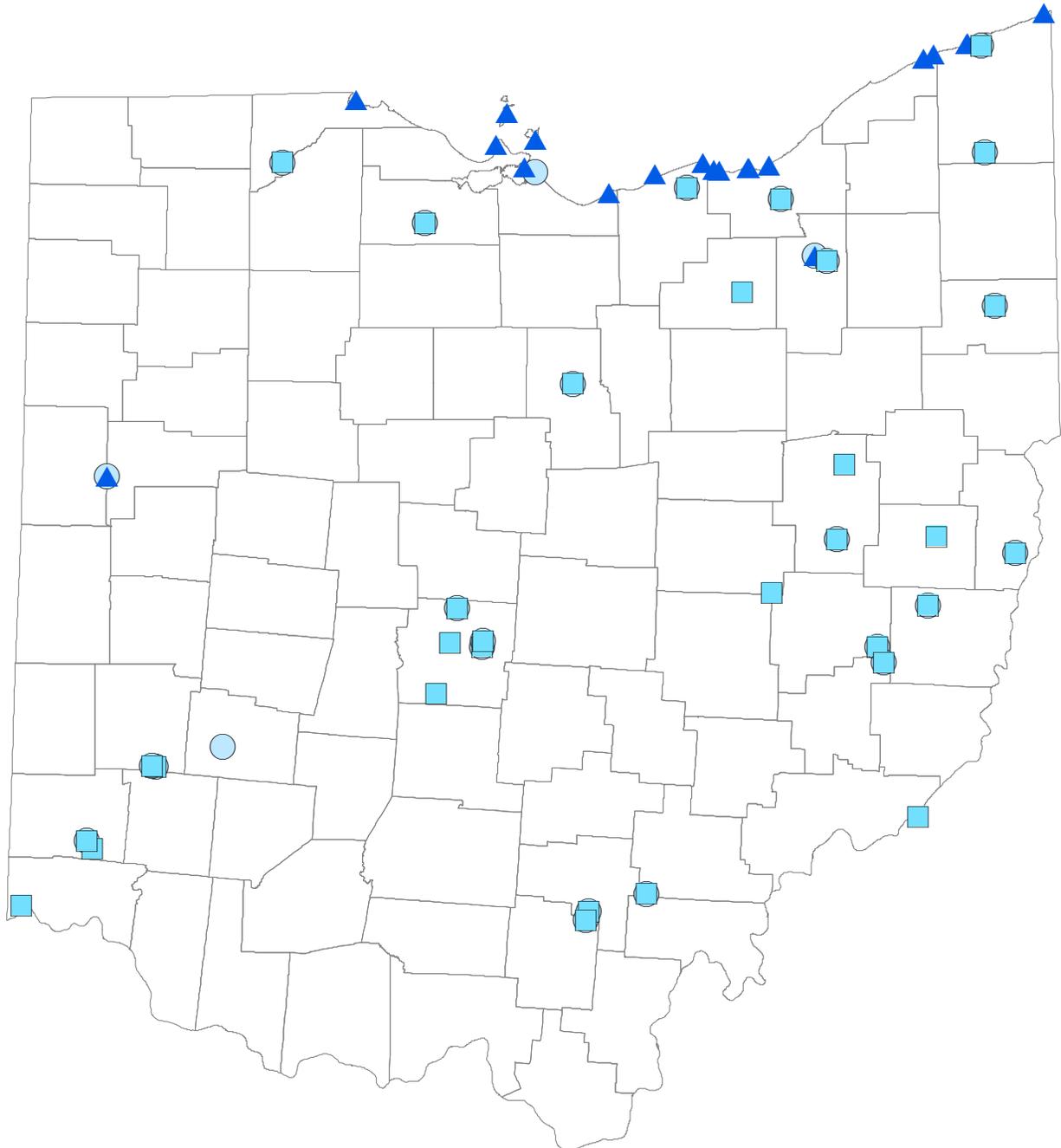
SWIMS ID	Applicant	Issue Date	Permit Type	Issue Time	Wetlands Impacted			Wetland Mitigation	
					Acres	Watershed	Total	Acres	Watershed
093571	ODOT	11/10/09	Level 1	4	0.12	04100009		0.12	04100009
083423	Fulton County Board of Commissioners	10/26/09	Level 2	270	1.17	04100009	1.29	2.90	04100010
093589	Cedar Fair Entertainment Company	03/02/10	Level 1	22	0.02	04100011		0.05	04100011
093515	Westlake, City of	07/22/09	Level 1	26	0.39	04110001		0.80	04110001
093502	Cleveland Clinic	11/20/09	Level 1	1	0.06	04110001		0.20	04110004
103597	Hospice of the Western Reserve	04/30/10	Level 1	2	0.36	04110001		0.60	04100010
093483	Olmsted Falls, City of	08/31/09	Level 1	18	0.04	04110001		0.10	04100010
093511	Avon Local Schools	07/20/09	Level 2	69	1.20	04110001		2.50	04110001*
093539	Albrecht, Inc.	10/22/09	Level 2	65	0.94	04110001	3.01	1.90	04110001
103605	Cleveland Metroparks	05/26/10	Level 1	30	0.21	04110002		0.40	04110002
093561	Zaremba Group, LLC	11/23/09	Level 1	28	0.05	04110002		0.10	04100010
093585	Jacobs Chagrin Highlands, Ltd.	02/08/10	Level 1	28	0.02	04110002		0.10	04100010
083380	Atlantis Development Group	07/29/09	Level 1	30	0.23	04110002		0.50	04110004
093551	ODOT	09/15/09	Level 1	13	0.08	04110002	0.59	0.10	04110002
103611	Joe Frank, LLC	04/16/10	Level 1	25	0.07	04110003		0.20	04110003
093525	Mr. Excavator, Inc	07/17/09	Level 1	29	0.01	04110003		0.10	04110004
083398	Ashtabula Area City School District	07/20/09	Level 2	276	1.41	04110003	1.49	2.80	04110003
083458	South Range Local School District	09/29/09	Level 2	222	1.35	05030101	1.35	5.40	05030103
093587	Youngstown, City of	03/08/10	Level 1	25	0.11	05030103		0.70	05030102
103612	Western Reserve Local School District	04/07/10	Level 1	6	0.14	05030103		0.21	05030103
093536	Carbon Limestone Landfill, LLC	03/24/10	Level 2	224	4.39	05030103	4.64	6.74	05030103
093479	Ohio American Energy, Inc.	09/17/09	Level 2	245	1.50	05030106	1.50	2.51	05030106
093574	ODOT	11/10/09	Level 1	4	0.21	05030204	0.21	0.53	05030204
103608	Discount Drug Mart	04/08/10	Level 1	16	0.27	05040001		0.60	05060001
093546	Rolling Green Land Co., LLC	11/03/09	Level 1	12	0.35	05040001		0.70	05040006
093532	Stark County Engineer	08/14/09	Level 1	14	0.01	05040001	0.63	0.02	05040001
093498	Holmes County Airport Authority	08/06/09	Level 1	30	0.43	05040003	0.43	1.00	05040006
093505	Zanesville-Muskingum County Port Authority	11/04/09	Level 2	50	0.84	05040004	0.84	1.70	05060001
093542	Byesville, Village of	10/30/09	Level 1	22	0.06	05040005	0.06	0.30	05040001
093544	Licking County Planning Commission	09/18/09	Level 1	28	0.10	05040006	0.10	0.50	05060001
093573	City of Delaware	11/10/09	Level 1	4	0.10	05060001		0.20	05060001
093503	New Par dba Verizon Wireless	07/14/09	Level 1	18	0.01	05060001		0.10	05060001
073216	Cabot II OH1L02, LLC	10/14/09	Level 2	110	0.75	05060001		1.60	05060001
083388	Robert Weiler Company	08/04/09	Level 3	351	7.59	05060001	8.45	20.15	05060001
093584	ODOT	12/09/09	Level 1	2	0.02	05080002		0.04	05080001
093591	Montgomery Co Trans. Imp. District	02/24/10	Level 1	6	0.09	05080002	0.11	0.20	05060001

Table A  
 Isolated Wetland Permits  
 Issued Between July 1, 2009 and June 30, 2010

SWIMS ID	Applicant	Issue Date	Permit Type	Issue Time	Wetlands Impacted			Wetland Mitigation	
					Acres	Watershed	Total	Acres	Watershed
093537	Gordon K. Bush Regional Airport	05/14/10	Level 1	30	0.10	05090101		0.20	05040001
093474	Rumpke Waste, Inc.	01/29/10	Level 2	326	0.60	05090101	0.70	0.91	05090101
093516	Washington-Nile Local School District	12/12/09	Level 1	30	0.45	05090103	0.45	0.90	05060001
103626	ODOT	05/05/10	Level 1	6	0.01	05090202	0.01	0.02	05060001

Total Acres Impacted	25.86
Total Acres Mitigated	58.70
Average Issue Time	68

Figure 2: Jurisdictional Wetland, Lake, and Stream Permits Issued in State Fiscal Year 2010



- Stream Permits
- ▲ Lake Permits
- Wetland Permits
- County Boundary



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Table B  
Jurisdictional Wetland Impacts  
Issued Between July 1, 2009 and June 30, 2010

SWIMS ID	Applicant	Issue Date	Issue Time	Wetlands Impacted			Wetland Mitigation	
				Acres	Watershed	Total	Acres	Watershed
083449	Waterville Landing, LLC	08/20/09	78	0.38	04100009	0.38	0.56	04100009
093487	Fremont, City of	06/08/10	264	0.33	04100011		10.87	04100011
103598	Cedar Fair Entertainment Company	04/08/10	59	0.16	04100011	0.49	0.16	04100011
083343	Lorain County Rural Wastewater District (LORCO)	10/28/09	323	9.63	04110001	9.63	15.64	04110001
073287	Atlantis Development Group LLC	07/29/09	355	0.57	04110002		1.20	04110004
093570	ODOT	02/25/10	121	0.35	04110002		1.07	04110002
083378	Cuyahoga Valley National Park	07/16/09	107	0.30	04110002	1.22	0.30	04110002
083410	Ashtabula Area City School District	07/20/09	276	1.41	04110003	1.41	2.51	04110003
103610	ODOT	05/11/10	78	0.20	04110004	0.20	0.40	04110004
093549	Stone Bridge Land Corporation	05/05/10	174	0.33	05030103	0.33	0.70	05030103
083434	Oxford Mining Company	01/29/10	134	1.10	05030106		1.68	05030106
083439	Ohio American Energy, Inc.	09/17/09	226	0.82	05030106	1.92	1.23	05030106
093517	Oxford Mining Company, LLC	11/04/09	159	0.49	05040001	0.49	1.01	05040001
083450	Mansfield, City of	10/22/09	233	0.49	05040002	0.49	1.79	05040002
083435	Oxford Mining Company	09/11/09	169	0.18	05040005		0.32	05040005
083436	Oxford Mining Company	09/02/09	274	0.19	05040005	0.37	1.40	05040005
093529	ODOT	02/03/10	210	0.01	05060001		0.02	05060001
083460	Columbus Regional Airport Authority	10/26/09	210	2.04	05060001		3.93	05060001
093492	Columbus Regional Airport Authority	03/24/10	309	1.62	05060001	3.67	2.89	05060001
093491	RG Properties	09/29/09	200	0.14	05080002		0.30	05060001
093575	ODOT	01/14/10	56	1.34	05080002		2.68	05060002
093592	Montgomery Co Trans Imp District	04/08/10	44	1.25	05080002	2.73	2.17	05080002 *
093473	Rumpke Waste, Inc.	01/29/10	326	0.34	05090101		0.51	05090101
083430	Sands Hill Mining, LLC	11/18/09	314	4.06	05090101		6.09	05090101
093524	Gordon K. Bush Regional Airport	04/28/10	260	0.24	05090101	4.64	0.60	05040001
083421	Xenia Self Storage	06/17/10	472	1.15	05090202	1.15	1.38	5090202
083440	Southshore Acres, Inc	07/29/09	180	1.91	05120101	1.91	6.13	05120101

Total Acres Impacted	31.03
Total Acres Mitigated	67.54
Average Issue Time	208

Table C  
Jurisdictional Stream Impacts  
Issued Between July 1, 2009 and June 30, 2010

SWIMS ID	Applicant	Issue Date	Issue Time (Days)	Linear Feet Impacted	Watershed	Linear Feet Mitigation
083449	Waterville Landing, LLC	08/20/09	78	4082	04100009	4318
093487	Fremont, City of	06/08/10	264	170	04100011	3150
083343	Lorain County Rural Wastewater District (LORCO)	10/28/09	323	1805	04110001	1805
093553	ODOT	01/11/10	118	495	04110001	595
073287	Atlantis Development Group LLC	07/29/09	355	2123	04110002	2700
093570	ODOT	02/25/10	121	75	04110002	113
083410	Ashtabula Area City School District	07/20/09	276	1001	04110003	580
103610	ODOT	05/11/10	78	592	04110004	888
093549	Stone Bridge Land Corporation	05/05/10	174	1817	05030103	1820
083434	Oxford Mining Company	01/29/10	134	4898	05030106	4570
083439	Ohio American Energy, Inc.	09/17/09	226	4142	05030106	9849
073184	USDA, Forest Service, Wayne National Forest	01/06/10	103	400	05030201	400
093566	US Army Corps of Engineers	06/10/10	122	528	05040001	0
093517	Oxford Mining Company, LLC	11/04/09	159	12535	05040001	12619
093569	ODOT	01/19/10	84	267.5	05040001	282
083450	Mansfield, City of	10/22/09	233	2219	05040002	5283
083435	Oxford Mining Company	09/11/09	169	5920	05040005	4139
083436	Oxford Mining Company	09/02/09	274	4084	05040005	4084
093497	Oxford Mining Company, LLC	02/22/10	334	1061	05040005	1461
103614	Ohio State University Facilities, Ops., and Dev.	06/30/10	69	720	05060001	1275
093529	ODOT	02/03/10	210	409	05060001	614
093568	ODOT	02/25/10	121	1269	05060001	1904
083460	Columbus Regional Airport Authority	10/26/09	210	465	05060001	700
093492	Columbus Regional Airport Authority	03/24/10	309	1400	05060001	3000
093491	RG Properties	09/29/09	200	2745	05080002	2284
093575	ODOT	01/14/10	56	2313	05080002	3470
093592	Montgomery County Transportation Improvement District	04/08/10	44	250	05080002	1170
083310	RBDB Investments, LLC	09/30/09	313	1675	05080002	6325
093473	Rumpke Waste, Inc.	01/29/10	326	2246	05090101	4910
083430	Sands Hill Mining, LLC	11/18/09	314	7848	05090101	8669
093524	Gordon K. Bush Regional Airport	04/28/10	260	2301	05090101	3455
093528	Schumacher Dugan Construction Inc.	01/06/10	154	349	05090203	525

Total Linear Feet Impacted	72205
Total Linear Feet Mitigated	96956
Average Issue Time	194

Table D  
 Lake Impacts  
 Issued Between July 1, 2009 and June 30, 2010

SWIMS ID	Applicant	Issue Date	Issue Time (Days)	Dredge/Fill (Cubic Yards)	HUC
093554	U.S. Army Corps of Engineers	04/15/10	176	1600000	0410009
093543	Catawba-Cleveland Development Corp.	04/14/10	238	9135	04100010
093521	Massey, Anne	01/11/10	180	183	04100011
093578	Compass Rose Condo Association	04/20/10	95	315	04100012
093583	Buffalo Corps of Engineers	03/31/10	105	340000	04110001
093556	Buffalo Corps of Engineers	03/29/10	158	300000	04110002
083378	Cuyahoga Valley National Park	07/16/09	107	6000	04110002
093500	Mariner's Point Condo Association	02/08/10	305	5295	04110003
093572	O'Malley, Penny	04/30/10	141	160	04110003
093547	Ravine Camp Corporation	06/22/10	280	2100	04110003
093552	Wheeler, Derek	05/03/10	180	106	04110003
103615	Buffalo Corps of Engineers	06/16/10	98	250000	04120101
093538	Ahner, Timothy	01/29/10	130	445	04120200
093499	Fritz, Mary Patricia (trustee)	05/04/10	133	475	04120200
093508	Lakewood, City of	10/15/09	128	70	04120200
093535	Marzavas, Gus	02/19/10	112	70	04120200
062957	McAllester, Craig	05/14/10	171	539	04120200
093577	MBD Holdings, LLC	03/24/10	105	442	04120200
093509	Sisters of Charity of Saint Augustine	10/15/09	128	1500	04120200
083440	Southshore Acres, Inc	07/29/09	180	762	05120101

Total Yards of Material	2517597
Average Issue Time	158

Table E  
Impact/Mitigation Summary by 8 Digit Hydrologic Unit Code (HUC)  
Issued Between July 1, 2009 and June 30, 2010

8 Digit HUC	Description	Isolated Wetland		Jurisdictional		Total Acres	
		Impact	Mitigation	Impact	Mitigation	Impact	Mitigation
4100001	Lake Erie tributaries (below Detroit R. to above Maumee R.)	0.00	0.00	0.00	0.00	0.00	0.00
4100002	Raisin River	0.00	0.00	0.00	0.00	0.00	0.00
4100003	St. Joseph River	0.00	0.00	0.00	0.00	0.00	0.00
4100004	St. Marys River	0.00	0.00	0.00	0.00	0.00	0.00
4100005	Maumee River	0.00	0.00	0.00	0.00	0.00	0.00
4100006	Tiffin River	0.00	0.00	0.00	0.00	0.00	0.00
4100007	Auglaize River	0.00	0.00	0.00	0.00	0.00	0.00
4100008	Blanchard River	0.00	0.00	0.00	0.00	0.00	0.00
4100009	Maumee River	1.29	0.12	0.38	0.56	1.67	0.68
4100010	Lake Erie Tributaries and Portage River	0.00	3.80	0.00	0.00	0.00	3.80
4100011	Sandusky River and Sandusky Bay Tributaries	0.00	0.00	0.49	11.03	0.49	11.03
4100012	Huron River and Vermilion River	0.00	0.00	0.00	0.00	0.00	0.00
4110001	Black River and Rocky River	3.01	5.25	9.63	15.64	12.64	20.89
4110002	Cuyahoga River	0.59	0.50	1.22	1.37	1.81	1.87
4110003	Chagrin and Ashtabula Rivers and Lake Erie Tributaries	1.49	3.00	1.41	2.51	2.90	5.51
4110004	Grand River	0.00	0.80	0.20	1.60	0.20	2.40
4120101	Conneaut Creek and Lake Erie tributaries	0.00	0.00	0.00	0.00	0.00	0.00
4120200	Lake Erie Islands	0.00	0.00	0.00	0.00	0.00	0.00
5030101	Little Beaver, Yellow, and Cross Creeks	1.35	0.00	0.00	0.00	1.35	0.00
5030102	Shenango River	0.00	0.70	0.00	0.00	0.00	0.70
5030103	Mahoning River	4.64	12.35	0.33	0.70	4.97	13.05
5030106	Ohio River tributaries (Short, Wheeling, and McMahan Creeks)	1.50	2.51	1.92	2.91	3.42	5.42
5030201	Little Muskingum River	0.00	0.00	0.00	0.00	0.00	0.00
5030202	Shade River and Leading Creek	0.00	0.00	0.00	0.00	0.00	0.00
5030204	Hocking River	0.21	0.53	0.00	0.00	0.21	0.53
5040001	Tuscarawas River	0.63	0.52	0.49	1.61	1.12	2.13
5040002	Mohican River	0.00	0.00	0.49	1.79	0.49	1.79
5040003	Kokosing River, Walhonding River, and Killbuck Creek	0.43	0.00	0.00	0.00	0.43	0.00
5040004	Muskingum River	0.84	0.00	0.00	0.00	0.84	0.00
5040005	Wills Creek	0.06	0.00	0.37	1.72	0.43	1.72
5040006	Licking River	0.10	1.70	0.00	0.00	0.10	1.70
5060001	Scioto River (headwaters to below Big Darby Creek)	8.45	25.97	3.67	7.14	12.12	33.11
5060002	Scioto R. (below Big Darby Cr. to Ohio R., except Paint Cr.)	0.00	0.00	0.00	2.68	0.00	2.68
5060003	Paint Creek	0.00	0.00	0.00	0.00	0.00	0.00
5080001	Great Miami River (headwaters to below Mad River)	0.00	0.04	0.00	0.00	0.00	0.04
5080002	Great Miami R. (below Mad R. to Ohio R., except Whitewater R.)	0.11	0.00	2.73	2.17	2.84	2.17
5080003	Whitewater River	0.00	0.00	0.00	0.00	0.00	0.00
5090101	Raccoon Cr., Symmes Cr. and other Ohio R. tributaries	0.70	0.91	4.64	6.60	5.34	7.51
5090103	Little Scioto River and other Ohio River tributaries	0.45	0.00	0.00	0.00	0.45	0.00
5090201	Ohio Brush Cr., Whiteoak Cr., and other Ohio R. tributaries	0.00	0.00	0.00	0.00	0.00	0.00
5090202	Little Miami River	0.01	0.00	1.15	1.38	1.16	1.38
5090203	Mill Creek and Ohio River tributaries	0.00	0.00	0.00	0.00	0.00	0.00
5120101	Wabash River	0.00	0.00	1.91	6.13	1.91	6.13
5120103	Mississinewa River	0.00	0.00	0.00	0.00	0.00	0.00
NA	Multiple Watershed Mitigation	0.00	0.00	0.00	0.00	0.00	0.00