

Isolated Wetland Permits and 401 Water Quality Certifications in Ohio

State Fiscal Year 2011



Prepared by:
Division of Surface Water
401/Wetland Section

Isolated Wetland Permits and 401 Water Quality Certifications In Ohio

State Fiscal Year 2011

Prepared by

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, 2010 and ending June 30, 2011 (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 expired on March 12, 2012, and the updated NWP have been recertified to replace the expiring permits. Nationwide permit data from the Corps was not available 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 2011, 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.

During SFY 2011, the Division of Surface Water's Central Office table of organization contained seven staff level full-time equivalents (FTEs) classified as Environmental Specialist 2, dedicated to reviewing 401 and isolated wetland permit applications. After some reorganization, the positions included four 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. The changes have resulted in two less application reviewers as compared to SFY 2010.

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 2011 was 13 FTEs. When including all program staff and support received from other programs total FTEs for the program total approximately 21.

Program Fees (Isolated Wetlands)

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). These fees were instituted in statute in 2001 and have not been adjusted since that time.

Program Fees (Jurisdictional Wetlands, Streams, and Lakes)

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.

RESOURCE IMPACTED	REVIEW FEE
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 2011 came from a number of different sources. Funding information is summarized in the Table below:

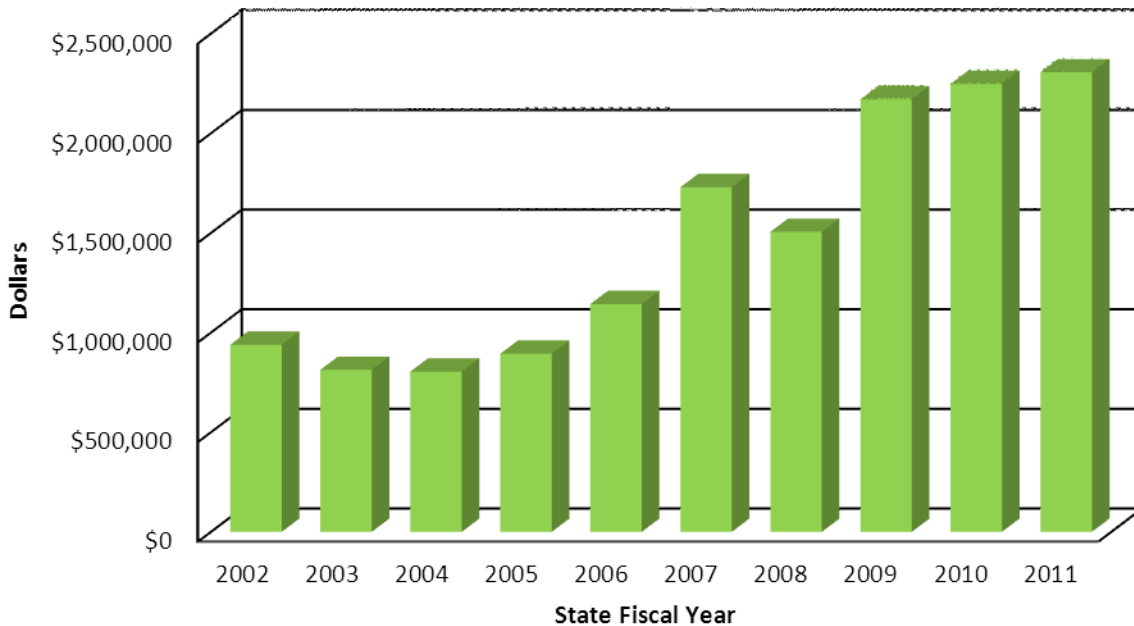
SOURCE OF FUNDING	AMOUNT	% of Total
Penalties	\$968	<0.1%
401 Certification Fees	\$369,306	16.0%
ODOT	\$71,688	3.1%
Isolated Wetland Permit Fees	\$26,807	1.2%
Surface Water Fees	\$357,749	15.5%
Environmental Protection Fees	\$1,375,077	59.7%
U.S. EPA Wetland Grants	\$101,885	4.4%
TOTAL EXPENDITURES	\$2,303,480	100%

This funding level represents a 2.5% increase over that observed in SFY 2010 (\$2,245,275.01).

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 – State Fiscal Year 2011

Isolated Wetland Permits

	Number permits issued	Acres of isolated wetlands filled	Acres of mitigation provided
General Permits	32	5.45	12.37
Individual Permits	5	4.58	10.04
Total	37	10.03	22.41

The information presented above represents an approximate 8% decrease in the number of Isolated Wetland Permits issued in SFY 2011 over that issued in SFY 2010 and a 60% decrease in the acres of impacts authorized during that time period. Five Isolated Wetland Permit applications were withdrawn by the applicants during SFY 2011, bringing the total number of applications processed to 42.

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 eight 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.

Individual 401 Water Quality Certifications

401s issued	Acres of Jurisdictional Wetlands		Stream Impacts (linear feet)	Lake Impacts (cubic yards)
	filled	mitigation		
48	18.48	79.49	72,445	3,423,940

The information presented above shows a 13% decrease in the number of 401 Water Quality Certifications issued in SFY 2011 as compared to SFY 2010. Wetland impacts showed a 40% decrease in the acres of impacts authorized during that same time period. The amount of dredge and fill material impacting Ohio lakes increased by 36%, while the linear feet of authorized stream impacts showed almost no change when compared to the previous year.

The total number of 401 Water Quality Certification applications process during SFY 2011 was 76, and is broken down into the following categories:

401 Applications Processed	76
401 Certifications Granted	48
Applications Withdrawn	20
Applications Resulting in NWP	4
Applications Denied	1
Applications Waived	3

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 eight 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, linear feet of stream mitigation 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 eight 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. Table D does not contain a summary of mitigation resulting from the certifications issued for lake impacts. Current tracking of lake mitigation is limited.

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 website:

<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. Although the survey has been active for this entire report period, participation has been low. Since implementation three responses have been received through the survey website. A meaningful statistically analysis of the responses is not possible with the limited number of participants; however the results were mixed with both praise and criticism received as it relates to the permitting process. Some of the suggestions received include providing better guidance for completing the applications and improving permit response times. The Division of Surface Water has been and is continuing to work on improvements in these areas as the outcomes of the Kaizen process are implemented.

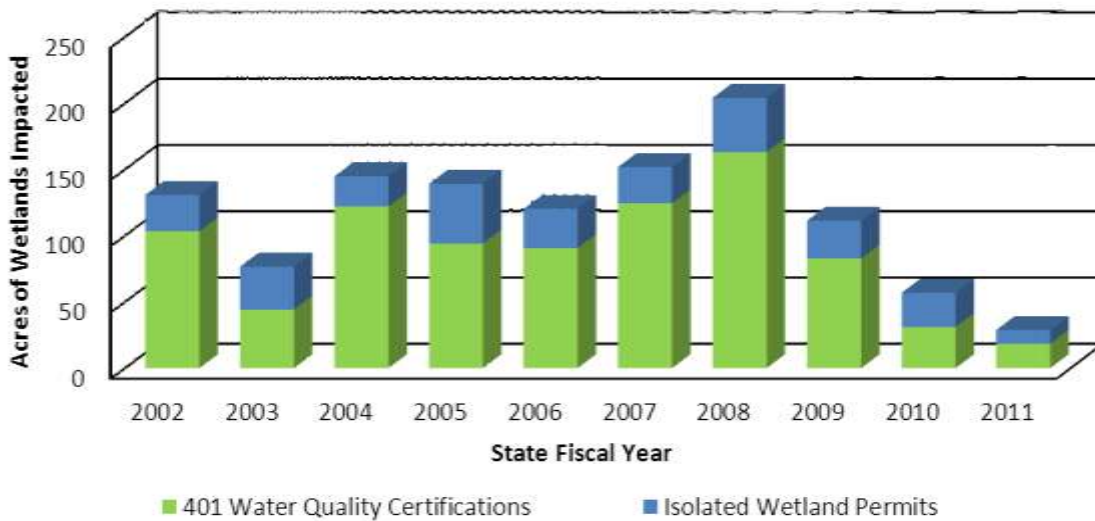
Permitting Trends

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.

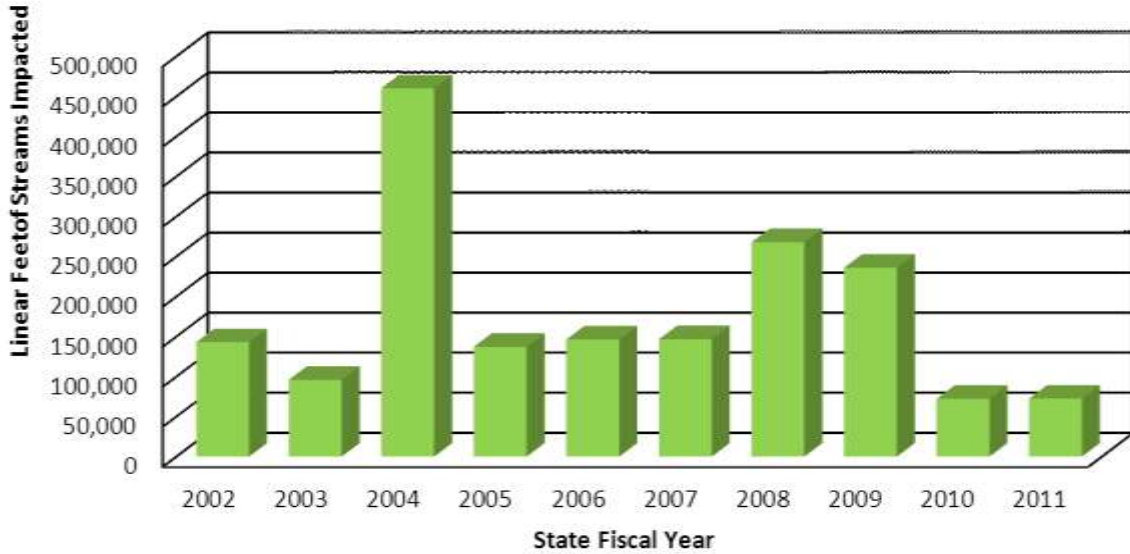
**Graph 1 - 401 WQC and Isolated Wetland Permits
 - Number of Permits -**



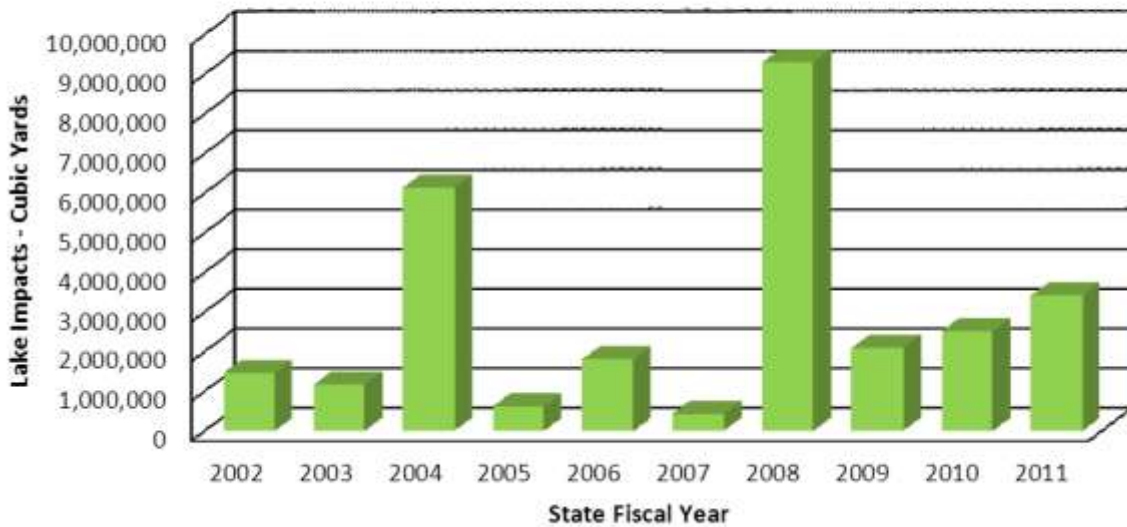
**Graph 2 - 401 WQC and Isolated Wetland Permits
 - Wetland Acres Impacted-**



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



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



Questions regarding this report should be directed to Jeff Boyles, of the 401 and Isolated Wetland Permitting Section, at (614) 644-2012 or via email at:

Jeffrey.Boyles@epa.state.oh.us.

Table A**Isolated Permits Granted between July 1, 2010 and June 30, 2011**

SWIMS ID	Applicant	Issue Date	Permit Type	Issue Time (Days)	Wetlands Impacted			Wetland Mitigation	
					Acres	Watershed	Total	Acres	Watershed
103645	Hancock County Commissioners	2/23/11	Level 1	1	0.3	04100007		0.45	04100008
113782	ODOT	6/16/11	Level 1	2	0.3	04100007	0.6	0.45	04100008
103674	COMROW, Ltd.	11/30/10	Level 1	0	0.02	04110001		0.1	04110001
103703	Fireside Builders	12/6/10	Level 1	0	0.09	04110001		0.2	04100011
113739	Octagon Associates Ltd	2/22/11	Level 1	0	0.04	04110001		0.1	04110004
103700	North Ridge Point, Ltd.	6/28/11	Level 1	0	0.24	04110001		0.5	04100011
103602	Midview Schools	10/22/10	Level 2	70	0.3	04110001	0.69	0.6	04100010
113731	Pulte Homes	3/17/11	Level 1	14	0.05	04110002		0.1	04110001
113734	Perrico Property Systems	4/21/11	Level 1	27	0.21	04110002	0.26	0.5	04100011
103650	Chardon, City of	8/27/10	Level 1	29	0.28	04110004		0.6	04110004
103633	Ralph Victor Construction, Inc.	7/14/10	Level 1	30	0.14	04110004	0.42	0.4	04100010
103627	Jefferson County	8/17/10	Level 1	0	0.02	05030101		0.1	05030102
103661	Cyprus Amax Minerals Company	8/25/10	Level 1	0	0.05	05030101		0.1	05030101
103606	Total Waste Logistics, LLC	4/4/11	Level 2	370	1.28	05030101	1.35	2.2	05030101
103685	Ironwood Realty - Holding, LLC	4/14/11	Level 1	20	0.15	05030103		0.45	05030102
113770	Niles City Schools	6/28/11	Level 1	6	0.25	05030103		0.54	Pilot In-Lieu Fee
113748	Resco Products, Inc.	3/22/11	Level 1	0	0.41	05030103		1.41	05030103
103652	Trumbull Metropolitan Housing Authority	9/30/10	Level 1	30	0.06	05030103	0.87	0.2	05030102
113730	OhioAmerican Energy	3/30/11	Level 1	28	0.21	05030106		0.32	05030106
103669	OhioAmerican Energy	10/7/10	Level 1	24	0.31	05030106	0.52	0.47	05030106
113763	Akron-Canton Regional Airport Authority	4/29/11	Level 1	0	0.08	05040001		0.18	05040001
103697	CAM, Inc.	11/23/10	Level 1	6	0.06	05040001		0.2	05060001
103678	Laufen International, Inc.	9/22/10	Level 1	0	0.11	05040001	0.25	0.2	05040006
103684	Columbus Southern Power Company	5/4/11	Level 2	216	0.84	05040004	0.84	2.5	05040001
103656	Island Aseptics	8/26/10	Level 1	0	0.09	05040005	0.09	0.2	05040006
103690	Fairfield County Engineer	12/6/10	Level 1	12	0.03	05060001		0.1	05040001
113758	Homewood Corporation	5/11/11	Level 1	8	0.49	05060001		1	05060001
103671	200 GR LLC	12/8/10	Level 2	63	1.37	05060001		2.8	05060001
103683	Columbus Regional Airport Authority	1/19/11	Level 2	111	0.79	05060001	2.68	1.94	05060001
113745	ODOT	5/11/11	Level 1	0	0.04	05060002	0.04	0.08	05060001
103704	Bellefontaine City School District	2/4/11	Level 1	0	0.48	05080001		1.1	05060001
113768	Northmont City Schools	6/9/11	Level 1	0	0.01	05080001		0.1	05060001
103692	Springfield, City of	1/7/11	Level 1	0	0.11	05080001	0.6	0.3	05080001
103682	Potterhill Homes, LLC	11/16/10	Level 1	21	0.31	05090202		0.7	05040006
103677	Duke Energy Corporation	11/16/10	Level 1	0	0.35	05090202		0.9	05060001
103672	Symmes Township	11/16/10	Level 1	0	0.15	05090202	0.81	0.3	05090202
103653	ODOT	7/23/10	Level 1	3	0.01	05090203	0.01	0.02	05090202

Total Acres Impacted	10.03
Total Acres Mitigated	22.41
Average Issue Time	29

Table B**Jurisdictional Wetland Impacts Granted between July 1, 2010 and June 30, 2011**

SWIMS ID	Applicant	Issue Date	Permit Type	Issue Time (Days)	Wetlands Impacted			Wetland Mitigation	
					Acres	Watershed	Total	Acres	Watershed
103676	Westlake Building and Development Company	1/19/11	401	74	0.65	04110001		1.6	04100011
103660	ODOT	1/19/11	401	154	3.57	04110001		7.4	04110002
083394	Ontario Land Co (Oster Homes)	6/14/11	401	526	0.93	04110001	5.15	14.15	04110001
103701	ODOT	2/17/11	401	101	0.55	04110002		0.83	05040001
103618	East Ohio Gas Company	9/27/10	401	143	1.24	04110002		1.3	04110002
103689	Stow, City of	5/20/11	401	203	0.04	04110002		0.1	04100011
093564	Solon, City of	2/17/11	401	211	0.18	04110002	2.01	0.4	04110001
103707	NEORS	3/10/11	401	93	4.33	04110003	4.33	26.9	04110003
093586	Hunter Designs, LP	9/1/10	401	147	0.31	05030103	0.31	2.25	05030103
103628	Sidwell Materials, Inc.	6/2/11	401	171	0.63	05030106		1.07	05030106
083455	Oxford Mining Company, LLC.	4/7/11	401	176	0.03	05030106	0.66	0.05	05030106
103666	B & N Coal, Inc.	3/16/11	401	177	0.07	05030201	0.07	0.13	05030201
113723	East Ohio Gas Company	5/27/11	401	135	0.04	05040001		0.04	05040001
103662	East Ohio Gas Company	1/25/11	401	145	1.61	05040001		13.59	05040001
093557	Penn-Ohio dba Kimble Clay & Limestone	10/26/10	401	180	0.12	05040001		0.18	05040001
103675	LRC Copley Investors, LLC	5/4/11	401	219	1.59	05040001	3.36	2.6	05040001
103655	Columbus Regional Airport Authority	1/19/11	401	111	0.14	05060001	0.14	2	05060001
103622	Washington Court House, City of	3/28/11	401	255	2.45	05060003	2.45	4.9	05060003

Total Acres Impacted	18.48
Total Acres Mitigated	79.49
Average Issue Time	175

Table C**Jurisdictional Stream Impacts Granted between July 1, 2010 and June 30, 2011**

SWIMS ID	Applicant	Issue Date	Permit Type	Issue Time (Days)	Streams	Streams	Streams
					Linear Feet Impacted	Watershed	Linear Feet Mitigation
103635	City of Toledo, Department of Public Utilities	12/22/10	401	161	283	04100001	1442
093582	Midwest Terminals of Toledo	3/10/11	401	384	1360	04100009	90
103596	Defiance County Engineer	2/17/11	401	329	8150	04100009	5763
103660	ODOT	1/19/11	401	154	649	04100010	263
083394	Ontario Land Co (Oster Homes)	6/14/11	401	526	1673	04110001	1279
093476	Stow, City of	11/19/10	401	372	37	04110002	435
113724	Classic Seafoods	4/18/11	401	80	107	04110002	Pilot In-Lieu Fee
103618	East Ohio Gas Company	9/27/10	401	143	200.5	04110002	63
103701	ODOT	2/17/11	401	101	275	04110002	413
103689	Stow, City of	5/20/11	401	203	661	04110002	1264
093586	Hunter Designs, LP	9/1/10	401	147	481	05030103	722
103628	Sidwell Materials, Inc.	6/2/11	401	171	255	05030106	170
113732	ODOT	5/24/11	401	104	1018	05030106	1047
083455	Oxford Mining Company, LLC.	4/7/11	401	176	12687	05030106	12169
103666	B & N Coal, Inc.	3/16/11	401	177	13181	05030201	13181
103693	Gatling Ohio, LLC	3/10/11	401	65	616	05030202	616
103607	VanDevere Chevrolet	9/16/10	401	132	184	05040001	1105
103662	East Ohio Gas Company	1/25/11	401	145	306	05040001	1186
103675	LRC Copley Investors, LLC	5/4/11	401	219	1498	05040001	1928
093557	Penn-Ohio dba Kimble Clay & Limestone	10/26/10	401	180	1893	05040001	1893
103594	Oxford Mining Company, LLC	7/20/10	401	180	3749	05040001	3828
103639	Marietta, City of	1/7/11	401	120	35	05040004	20
103657	Dublin, City Engineer	3/28/11	401	186	300	05060001	525
103655	Columbus Regional Airport Authority	1/19/11	401	111	529	05060001	888
103643	Miami County Park District	1/27/11	401	99	20	05080001	360
103637	Christian Life Center	1/27/11	401	212	240	05080001	2801
113720	ODOT	4/5/11	401	92	410	05080001	615
113729	ODOT	6/28/11	401	144	597	05090103	896
103659	DP&L	5/4/11	401	210	20780	05090201	31170
103636	Neyer Properties	12/8/10	401	175	270	05090202	910

Total Linear Feet Impacted	72445
Total Linear Feet Mitigated	87042
Average Issue Time	183

Table D**Lake Impacts Granted between July 1, 2010 and June 30, 2011**

SWIMS ID	Applicant	Issue Date	Permit Type	Issue Time (Days)	Lakes	Lakes
					Dredge/Fill (Cubic Yards)	HUC
103715	Buffalo COE	6/1/11	401	161	600000	04100011
093510	Akron, City of	12/16/10	401	287	15709	04110002
103699	Buffalo COE	3/16/11	401	103	600000	04110002
093533	Redbrook Boat Club, Inc	9/9/10	401	359	2850	04110003
113726	Buffalo COE	6/1/11	401	118	400000	04110003
103705	Buffalo COE	5/20/11	401	158	200000	04110004
103679	Rausser, Victor	11/30/10	401	57	55	04120200
103680	Skinner, Charles	11/30/10	401	57	80	04120200
103604	The Market Corporation	7/15/10	401	147	84	04120200
103681	McFadden, John	11/30/10	401	57	130	04120200
103654	Wallace, Michael	2/23/11	401	47	217	04120200
103665	Madison Township	4/20/11	401	189	4815	04120200
103716	Buffalo COE	5/17/11	401	125	1600000	04120200

Total Yards of Material	3423940
Average Issue Time	143

Table E
Wetland Impact and Mitigation Summary by HUC
 Issued Between July 1, 2010 and June 30, 2011

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	0.6	0.00	0.00	0.00	0.60	0.00
4100008	Blanchard River	0.00	0.90	0.00	0.00	0.00	0.90
4100009	Maumee River	0.00	0.00	0.00	0.00	0.00	0.00
4100010	Lake Erie Tributaries and Portage River	0.00	1.00	0.00	0.00	0.00	1.00
4100011	Sandusky River and Sandusky Bay Tributaries	0.00	1.40	0.00	1.70	0.00	3.10
4100012	Huron River and Vermilion River	0.00	0.00	0.00	0.00	0.00	0.00
4110001	Black River and Rocky River	0.69	0.00	5.15	14.55	5.84	14.55
4110002	Cuyahoga River	0.26	0.00	2.01	8.70	2.27	8.70
4110003	Chagrin and Ashtabula Rivers and Lake Erie Tributaries	0.00	0.00	4.33	26.90	4.33	26.90
4110004	Grand River	0.42	0.70	0.00	0.00	0.42	0.70
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	2.30	0.00	0.00	1.35	2.30
5030102	Shenango River	0.00	0.75	0.00	0.00	0.00	0.75
5030103	Mahoning River	0.87	1.41	0.31	2.25	1.18	3.66
5030106	Ohio River tributaries (Short, Wheeling, and McMahan Creeks)	0.52	0.79	0.66	1.12	1.18	1.91
5030201	Little Muskingum River	0.00	0.00	0.07	0.13	0.07	0.13
5030202	Shade River and Leading Creek	0.00	0.00	0.00	0.00	0.00	0.00
5030204	Hocking River	0.00	0.00	0.00	0.00	0.00	0.00
5040001	Tuscarawas River	0.25	2.78	3.36	17.24	3.61	20.02
5040002	Mohican River	0.00	0.00	0.00	0.00	0.00	0.00
5040003	Kokosing River, Walhonding River, and Killbuck Creek	0.00	0.00	0.00	0.00	0.00	0.00
5040004	Muskingum River	0.84	0.00	0.00	0.00	0.84	0.00
5040005	Wills Creek	0.09	0.00	0.00	0.00	0.09	0.00
5040006	Licking River	0.00	1.10	0.00	0.00	0.00	1.10
5060001	Scioto River (headwaters to below Big Darby Creek)	2.68	8.12	0.14	2.00	2.82	10.12
5060002	Scioto R. (below Big Darby Cr. to Ohio R., except Paint Cr.)	0.04	0.00	0.00	0.00	0.04	0.00
5060003	Paint Creek	0.00	0.00	2.45	4.90	2.45	4.90
5080001	Great Miami River (headwaters to below Mad River)	0.60	0.30	0.00	0.00	0.60	0.30
5080002	Great Miami R. (below Mad R. to Ohio R., except Whitewater R.)	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
5090103	Little Scioto River and other Ohio River tributaries	0.00	0.00	0.00	0.00	0.00	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	0.81	0.32	0.00	0.00	0.81	0.32
5090203	Mill Creek and Ohio River tributaries	0.01	0.00	0.00	0.00	0.01	0.00
5120101	Wabash River	0.00	0.00	0.00	0.00	0.00	0.00
5120103	Mississinewa River	0.00	0.00	0.00	0.00	0.00	0.00
NA	Pilot In-Lieu Fee	NA	0.54	NA	0.00	NA	0.54