

## Great Lakes Sediment & Nutrient Reduction Program

### Newsletter

Keeping It On the Land

#### 2010 Annual Report

Inside the 2010 Annual  
Report:

[Year in Review](#)  
[Facts and Figures](#)  
[Projects and Maps](#)  
[Featured Project \(NY\)](#)  
[Featured Project \(WI\)](#)  
[Around the Basin](#)  
[Upcoming Events](#)

Related info:

[Links](#)  
[Funded Projects](#)

### 2010 Annual Report

- :: [2010: The Year In Review](#)
- :: [Facts and Figures](#)
- :: [Basin Program Projects and Maps](#)
- :: [Featured Project: Eighteenmile Creek Streambank Restoration & Erosion Control \(NY\)](#)
- :: [Featured Project: Baird Creek Sediment & Erosion Control \(WI\)](#)
- :: [Around the Basin](#)
- :: [Upcoming Events](#)

#### 2010: The Year in Review

The 2010 program year marks the 20th anniversary of the Great Lakes Basin Program for Soil Erosion and Sediment Control's grant program. The twentieth year saw the addition of a watershed scale grant program in addition to our regular small scale grant program. The watershed projects were funded by USDA's Natural Resources Conservation Service's Great Lakes Restoration Initiative dollars.

This year, twelve small scale grants totaling \$296,924 were authorized for funding. Each state in the basin had at least one project. The small scale projects allow organizations to install projects beyond their normal scope of work.

Nine watershed scale projects were funded after an extensive review of the 32 proposals submitted. Contrary to the small scale projects that can be located anywhere within the basin, the watershed scale projects were only solicited from priority watersheds. The criteria for selecting the priority watershed were:

- they had to have either a larger agricultural landuse or severe, extensive streambank erosion; and
- they had to have soils that were high in clay content.

When these conditions coincide a substantial amount of sediment reaches the Great Lakes, causing both environmental and economic damage to the region. These projects will address those issues over the next three years.



Gary Overmier  
Project Manager  
Great Lakes Commission

#### Subscribe

Subscribe to the KIOTL e-list  
to receive news and  
announcements:

Enter your e-mail address:

Subscribe

#### Comments/Questions?

Contact [Gary Overmier](#)  
from our main website,  
[keepingitontheand.net](http://keepingitontheand.net).

[>> Next article](#)

## Great Lakes Sediment & Nutrient Reduction Program

### Newsletter

Keeping It On the Land

#### 2010 Annual Report

Inside the 2010 Annual Report:

- [Year in Review](#)
- [Facts and Figures](#)
- [Projects and Maps](#)
- [Featured Project \(NY\)](#)
- [Featured Project \(WI\)](#)
- [Around the Basin](#)
- [Upcoming Events](#)

Related info:

- [Links](#)
- [Funded Projects](#)

#### Subscribe

Subscribe to the KIOTL e-list to receive news and announcements:

Enter your e-mail address:

**Subscribe**

#### Comments/Questions?

Contact **Gary Overmier** from our main website, [keepingitontheland.net](http://keepingitontheland.net).

### 2010 Annual Report: Facts and Figures

#### 2010 Project Funding by State

The 11 new projects funded in 2010 were distributed across the Great Lakes states as follows:

State	Number of Projects	Grant Amount
Illinois	1	\$30,000
Indiana	1	\$29,293
Michigan	2	\$40,370
Minnesota	2	\$33,900
New York	2	\$56,046
Ohio	1	\$29,815
Pennsylvania	2	\$39,500
Wisconsin	1	\$30,000
<b>Total:</b>	<b>12</b>	<b>\$296,924</b>

#### Program Benefits: 2010

It's estimated that the 42 total projects active during 2010\* saved:

Soil over life of project	54,130 tons
Phosphorous	48,219 pounds
Nitrogen	0 pounds
Acres Treated	5,090 acres
Grant Amount	\$1,164,751
Proposed Match (state/local)	\$2,682,135
Match Earned (state/local)	\$1,661,153

\*Totals reflect all projects active during the 2010 funding cycle, including projects awarded in 2009. Not all projects were completed during 2010.

[<< Previous Article](#) | [Next article >>](#)



2805 S. Industrial Highway, Suite 100  
Ann Arbor, MI 48104-6791  
phone: 734/971.9135 fax: 734/971.9150  
www.glc.org



## Great Lakes Sediment & Nutrient Reduction Program

### Newsletter

Keeping It On the Land

#### 2010 Annual Report

Inside the 2010 Annual  
Report:

[Year in Review](#)

[Facts and Figures](#)

[Projects and Maps](#)

[Featured Project \(NY\)](#)

[Featured Project \(WI\)](#)

[Around the Basin](#)

[Upcoming Events](#)

Related info:

[Links](#)

[Funded Projects](#)

#### Subscribe

Subscribe to the KIOTL e-list  
to receive news and  
announcements:

Enter your e-mail address:

Subscribe

#### Comments/Questions?

Contact [Gary Overmier](#)  
from our main website,  
[keepingitontheland.net](http://keepingitontheland.net).

### 2010 Annual Report: Projects and Maps

[Western Great Lakes](#) | [Central Great Lakes](#) | [Eastern Great Lakes](#)



Distribution of projects active during FY2010

#### Western Great Lakes: Minnesota, Wisconsin, Illinois

Click on a number on the map to view specifics for the corresponding project. The year listed indicates the initial Fiscal Year that the project began.

##### 1. Ullr Mountain Gully Erosion and Sediment Control Project

\$30,000

Cook Soil and Water  
Conservation District, MN  
(2009)

##### 2. Little Brule/Gauthier Creek Sediment Reduction Project

\$30,000

Cook County Soil and Water  
Conservation District, MN  
(2010)

##### 3. Preventing Damage to Wetlands Project

\$22,000

Logging Educational and  
Resource Center (LERC), MN  
(2006)

##### 4. Amity Creek Erosion and Sediment Control Project

\$21,145

South St. Louis SWCD, MN

Closeup map of Western Region

(2008)

**5. Sediment Reduction from Winter Road Maintenance**

\$9,903

Minnesota Erosion Control Association, MN (2008)

**6. The Missing Link: Residential Erosion & Sediment Control Education**

\$3,900

City of Duluth - Utility Operations, MN (2010)

**7. Baird Creek Sediment and Erosion Control Project**

\$17,033

Glacierland Resource Conservation & Development, WI (2008)

**8. Landowner Self Help Sediment Reduction Education on the West Twin River**

\$10,000

Manitowoc County Soil & Water Conservation Dept., WI (2008)

**9. Big Spring Creek Stream Erosion and Sediment Control**

\$30,000

Adams County Land and Water Conservation Department, WI (2010)

**10. Menomonee Valley Riverbank Stabilization Project**

\$75,000

Menomonee Valley Partners, Inc., WI (2006)

**11. Menomonee River Erosion Control Project**

\$30,000

Redevelopment Authority of the City of Milwaukee, WI (2009)

**12. Kellogg Creek Erosion and Sediment Control**

\$30,000

Illinois Department of Natural Resources, IL (2010)

**13. Soil Erosion and Sediment Control Project within Janes Ravine at Fort Sherdian Forest Preserve**

\$75,000

Lake County Forest Preserve Districts, IL (2006)

**14. Building BMP Capacity in Kellogg Creek-Dead River Watersheds**

\$10,000

Lake County Stormwater Management Commission (SMC), IL (2008)

[\[Back to the top\]](#)

**Central Great Lakes: Indiana, Michigan, Ohio**

Click on a number on the map to view specifics for the corresponding project:

**15. Upper Black  
River Bio-Erosion  
Control**  
\$23,700  
Huron Pines, MI  
(2008)

Closeup map of Central Region

**16. Silver Creek  
Super Project:**

**Reducing Non-Point Sediment in a High-Quality Tributary**

\$30,000

Huron Pines, MI (2009)

**17. Shiawassee River Streambank Stabilization and Inventory Project**

\$22,670

Saginaw Conservation District, MI (2010)

**18. Stabilizing Nutrient-Rich Cropland with Cover Crops and Targeted Zone-Tillage**

\$15,000

Michigan State University, MI (2009)

**19. Partnership for Sediment Reduction from Roads**

\$30,000

Van Buren County Road Commission, MI (2010)

**20. St. Joseph River  
Watershed Soil  
Erosion/Sediment Control  
Project**

\$12,459

Hillsdale Conservation  
District, MI (2008)



Photo: Black River 2006, prior to any erosion control work  
Project #15: Upper Black River Bio-Erosion Control  
Grantee: Huron Pines, MI

**21. Adams County  
Agricultural Runoff  
Reduction Project**

\$40,000

Adams County SWCD, IN  
(2008)

**22. St. Joseph River Bank  
Stabilization Project**

\$40,000

Sisters of the Holy Cross,  
IN (2008)



Photo: Same streambank in 2009, after stabilization practices and regrowth

**23. Cedar Creek Bank  
Stabilization Project**

\$29,293

DeKalb County Soil and  
Water Conservation  
Project, IN (2010)

**24. Controlling Soil Erosion  
in the Auglaize River  
Watershed, Paulding County**

\$29,815

Ohio State University  
Extension, Paulding County, OH (2010)

**25. Controlling Soil Erosion in the Auglaize River, Allen County**



\$29,815

Putnam County OSU Extension Office, OH (2009)

**26. Saving Soil on Continuous Corn**

\$24,145

Conservation Action Project, OH (2008)

**27. Erie County Naturescaping Education Project**

\$10,000

Erie SWCD, OH (2008)

**28. Cover It Green**

\$30,000

Huron Soil And Water Conservation District, OH (2009)

**29. Lorain County Erosion and Sediment Control Grant**

\$10,500

Lorain Soil & Water Conservation District, OH (2009)

**30. West Creek Stream Restoration and Erosion Control Project**

\$70,500

West Creek Preservation Committee, OH (2006)

**31. Chagrin River Education Project**

\$18,942

Geauga Soil and Water Conservation District, OH (2008)

[\[Back to the top\]](#)

**Eastern Great Lakes: Pennsylvania, New York**

Click on a number on the map to view specifics for the corresponding project:

**32. Cascade Creek Watershed Improvements**

\$30,000

Erie County Conservation District,  
PA (2009)

**33. Genesee River Troyer Erosion and Sediment Control Project**

\$29,815

Potter County Conservation District,  
PA (2010)

**34. PA/NY Cover Crop and No Till Initiative**

\$13,000

Potter County Conservation District, PA (2010)

[Closeup map of Eastern Region](#)

**35. Sensitive Site Erosion Control**

\$18,620

Yates County Soil & Water Conservation District, NY (2008)

**36. Eighteenmile Creek Streambank Restoration and Erosion Control**

\$30,000

Erie County Soil and Water Conservation District, NY (2009)

**37. Reducing Agricultural Erosion and Sediment in the Oak Orchard Watershed**

\$33,250

Orleans County Soil & Water Conservation District, NY (2008)

**38. Genesee River Watershed Soil Erosion Control Project**

\$30,000

Monroe County Soil and Water Conservation District, NY (2009)

**39. Reducing Agricultural Soil Loss in Onondaga County, NY**

\$40,000

Skaneateles Lake Watershed Agricultural Program, NY (2008)

**40. Reducing Agricultural Soil Loss in the Oneida Lake Watershed**

\$30,000

Madison County Soil and Water Conservation District, NY (2010)

**41. Erosion and Sediment Control Program**

\$26,046

Lewis County Soil & Water Conservation District, NY (2010)

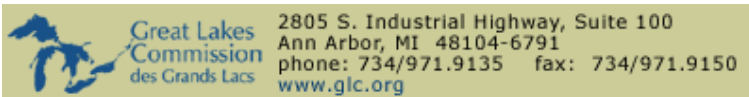
**42. St. Lawrence and Franklin County Ag Soil Erosion Sediment**

\$24,200

St. Lawrence County Soil and Water Conservation District, NY (2009)

[\[Back to the top\]](#)

[<< Previous Article](#) | [Next article >>](#)



## Great Lakes Sediment & Nutrient Reduction Program

### Newsletter

Keeping It On the Land

#### 2010 Annual Report

Inside the 2010 Annual Report:

- [Year in Review](#)
- [Facts and Figures](#)
- [Projects and Maps](#)
- [Featured Project \(NY\)](#)
- [Featured Project \(WI\)](#)
- [Around the Basin](#)
- [Upcoming Events](#)

Related info:

- [Links](#)
- [Funded Projects](#)

#### Subscribe

Subscribe to the KIOTL e-list to receive news and announcements:

Enter your e-mail address:

Subscribe

#### Comments/Questions?

Contact [Gary Overmier](#) from our main website, [keepingitontheland.net](http://keepingitontheland.net).

### Featured Project: Eighteenmile Creek Streambank Restoration and Erosion Control

Grantee: Erie County Soil and Water Conservation District

State: NY

Basin Program Funds: \$30,000

Project Duration: 18 months

Project Type: Demonstration

Contact Information: [james.sroka@ny.nacdnet.net](mailto:james.sroka@ny.nacdnet.net), (716) 652 8480, ext. 5

Streambank erosion has been a documented on-going problem in the Eighteenmile Creek Watershed. Erosion threats to properties, roads and bridges have become a recurring concern. Excessive sedimentation negatively impacts water quality and aquatic habitat for the local fishery resources. The watershed has received a high priority designation in the County's water quality strategy and has been ranked as a primary watershed of concern by the Local Working Group for over eight years. Minimal restoration projects have occurred on the South Branch of the Eighteenmile Creek as previous stabilization efforts have focused on the more urbanized lower watershed areas.



Streambank slope before construction

#### Activity

Located south of Buffalo, NY, Eighteenmile Creek drains directly to Lake Erie. The watershed, subdivided by the South and Main stream branches, contains 268 miles of waterways and as an important fishery resource, supports trout populations in the upper watershed and migratory runs of salmon and trout from Lake Erie. Since 2005, the District has been implementing a streambank stabilization program.

This project utilized fluvial geomorphology techniques recognized by the USDA Natural Resources Conservation Service, including the Rosgen stream classification system, to restore approximately 400 linear feet of streambank on the South Branch of Eighteenmile Creek. Plantings were an integral portion of this project. The particular location and design classification resulted in the stabilization of the streambank using bioengineering techniques in conjunction with longitudinal peaked stone toe protection.





Streambank before and after construction. Photos courtesy of Erie County Soil and Water Conservation District

### **Results**

Construction began in early September of 2010 and lasted for approximately 3 weeks. The completed project stabilized 400+ feet of severely eroded streambank utilizing longitudinal peaked stone to protect the toe and upper bank up to the 10 year storm event. The installation of a riparian buffer along the channel, which included over 600 Streamco Willow live stakes planted above the rock and whips planted along the toe, will improve the aquatic environment by shading the stream and rock as the plants develop.

The water quality benefits of this project also include the reduction of an estimated 5 tons of sediment per year from entering the stream thereby improving habitat for the local fisheries.



Streambank slope after construction

[<< Previous Article](#) | [Next article >>](#)

## Great Lakes Sediment & Nutrient Reduction Program

### Newsletter

Keeping It On the Land

#### 2010 Annual Report

Inside the 2010 Annual Report:

[Year in Review](#)  
[Facts and Figures](#)  
[Projects and Maps](#)  
[Featured Project \(NY\)](#)  
[Featured Project \(WI\)](#)  
[Around the Basin](#)  
[Upcoming Events](#)

Related info:

[Links](#)  
[Funded Projects](#)

#### Subscribe

Subscribe to the KIOTL e-list to receive news and announcements:

Enter your e-mail address:

Subscribe

#### Comments/Questions?

Contact [Gary Overmier](#) from our main website, [keepingitontheland.net](http://keepingitontheland.net).

### Featured Project: Baird Creek Sediment and Erosion Control Project

Grantee: Glacierland RC & D

State: WI

Basin Program Funds: \$17,033

Project Duration: 18 months

Project Type: Technical

Contact Information: [office@glacierlandrcd.org](mailto:office@glacierlandrcd.org), (920) 465-3006

There was a severely eroded embankment within the Baird Creek Parkway near the rear of 3065 Sitka Street in the City of Green Bay. A private storm sewer system discharges near the embankment. The overland flow concentrated as it descended the embankment, creating an eroded channel to the base of the embankment.



Embankment before construction

#### Activity

To remedy the problem, the City of Green Bay proposed construction of a series of storm sewer pipes and drop manholes into the embankment to safely transport the water to the base of the slope. The privately owned storm sewer system was connected directly to the proposed storm sewer, and a depression with an inlet will be constructed near the top of the embankment at this location to capture overland flow through this area.

The existing slope around the eroded area is near a 3:1. To construct a storm sewer beneath this slope would require a slope of over 20%, which would cause the water within the storm sewer pipe

to move so quickly, that the water would cause significant erosion at the base of the slope, possibly compromising the toe of the slope that may cause a slope failure.

The use of drop manholes allowed the storm sewer to be built at a more reasonable slope of 3%, with several sudden drops to account for the significant change in elevation along the slope. Use of flatter pipe will result in lower flow velocities, and drops will dissipate the energy of the water. A discharge structure was constructed at the end of the pipe, before the water is released onto natural ground.



Embankment before and after construction. Photos courtesy of Glacierland R C & D

### **Results to date**

After the storm sewer system was constructed, the embankment was restored to a 3:1 slope, similar to the slopes adjacent to the eroded area. A buried multiple drop conveyance system allowed for a more natural surface look to blend into the surrounding area. The concrete manholes and PVC pipe used on this project have an estimated service life of 50 years.

Native plants and seeds were used after construction. Since the project is on property owned by the City of Green Bay, the City Department of Public Works will maintain the project site.

The grantee would consider installing this BMP again if it had a site with similar characteristics.



Embankment after construction

[<< Previous Article](#) | [Next article >>](#)



2805 S. Industrial Highway, Suite 100  
Ann Arbor, MI 48104-6791  
phone: 734/971.9135 fax: 734/971.9150  
[www.glc.org](http://www.glc.org)



## Great Lakes Sediment & Nutrient Reduction Program

### Newsletter

Keeping It On the Land

#### 2010 Annual Report

Inside the 2010 Annual Report:

- [Year in Review](#)
- [Facts and Figures](#)
- [Projects and Maps](#)
- [Featured Project \(NY\)](#)
- [Featured Project \(WI\)](#)
- [Around the Basin](#)
- [Upcoming Events](#)

Related info:

- [Links](#)
- [Funded Projects](#)

#### Subscribe

Subscribe to the KIOTL e-list to receive news and announcements:

Enter your e-mail address:

Subscribe

#### Comments/Questions?

Contact [Gary Overmier](#) from our main website, [keepingitontheland.net](http://keepingitontheland.net).

### Around the Basin

News and information

[Indiana](#) | [Michigan](#) | [Minnesota](#) | [New York](#) | [Ohio](#) | [Wisconsin](#)

#### Indiana

##### Steuben County SWCD wins \$10,000 National Award

Indianapolis – Northeast Indiana's Steuben County Soil and Water Conservation District SWCD is the recipient of a \$10,000 National Conservation Foundation District grant. The award was presented during the National Association of Conservation Districts (NACD) Annual Meeting in Nashville, Tenn.

More information online [here](#).

#### Michigan

##### Storm Erosion Closes Beaches in Southwestern Michigan

Grand Beach officials have closed down all public beaches in the southwestern Michigan community due to extreme erosion from winter storms. Village Superintendent Bob Dabbs tells WSBT-TV the damage is well into the thousands of dollars, and Police Chief Dan Schroeder says it includes the bottoms of stair accesses and other ramps, which he says are eroded and dangerous.

See [full story](#).

#### Minnesota

##### Bostic and Zippel Creeks Watershed Assessment Project

Sedimentation in two bays on Lake of the Woods is being addressed through a comprehensive, watershed-based approach that has included water quality monitoring and several projects to restore water quality. The sedimentation in Bostic and Zippel bays has frequently prevented access to the lake without dredging, which has reduced water quality, potentially impacted spawning sites on this world-class fishing destination and created financial hardship for resorts in those areas.

[More](#)





Photos: Judicial Ditch 28 before and during construction of a 2-stage ditch  
Bostic and Zippel Creeks Watershed Assessment Project  
Grantee: Lake of the Woods Soil and Water Conservation District, Minnesota



## New York

### USDA NRCS Offers Funding to New York Organic Producers

State Conservationist, Astor Boozer announced that \$775,000 in funding is available to help New York organic producers and transitioning producers implement soil and water conservation practices on their agricultural operations. Applications are accepted on a continuous basis, with the funding cutoff date set for March 4, 2011.

[More](#)

## Ohio

### New Maps of Ohio Erosion Issues for Lake Shoreline

Many northwestern Ohioans living along the lake were further from the shoreline bluffs when they first built their homes. Like any shoreline, land along Lake Erie is not stable. While typically a slow process, coastal erosion can and does happen suddenly. In the past decade, Ohio has recorded three fatal accidents when eroded shoreline materials collapse suddenly.

See [full story](#).

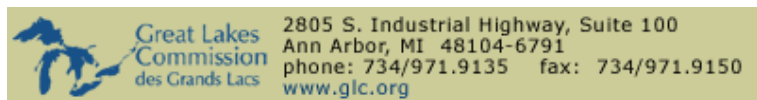
## Wisconsin

### State Administration of Soil Erosion Control Procedures to Change

On January 1, 2010, the state Department of Natural Resources became responsible for what has been the Commerce soil erosion control program for commercial buildings construction sites which disturb more than an acre of soil.

Administration of soil erosion control procedures and requirements under Comm 60, Erosion Control, Sediment Control and Storm Water Management Code, will transfer from the state Department of Commerce to the Department of Natural Resources. The code governs commercial building construction sites that disturb one or more acres of soil. "Notice of Intent" registrations previously filed with Commerce under Comm 60 will as of Jan. 1 be filed with the DNR. The transfer of authority was mandated by 2009-2010 state budget legislation, 2009 Wisconsin Act 28.

For more information, see: [full online source](#).



## Great Lakes Sediment & Nutrient Reduction Program

### Newsletter

Keeping It On the Land

#### 2010 Annual Report

Inside the 2010 Annual  
Report:

[Year in Review](#)  
[Facts and Figures](#)  
[Projects and Maps](#)  
[Featured Project \(NY\)](#)  
[Featured Project \(WI\)](#)  
[Around the Basin](#)  
[Upcoming Events](#)

Related info:

[Links](#)  
[Funded Projects](#)

#### Subscribe

Subscribe to the KIOTL e-list  
to receive news and  
announcements:

Enter your e-mail address:

Subscribe

#### Comments/Questions?

Contact [Gary Overmier](#)  
from our main website,  
[keepingitontheland.net](http://keepingitontheland.net).

### Of Interest: Upcoming Events

**March 21-22, 2011**

[Coastal GeoTools 2011](#): Building the Digital Coast

**Agency:** NOAA Coastal Services Center

**Where:** Kingston Plantation Embassy Suites, Myrtle Beach, South Carolina

**Contact:** Hamilton Smillie / [Geo.Tools@noaa.gov](mailto:Geo.Tools@noaa.gov)

**Mar 28 - May 31, 2011**

[Ohio Watershed Academy \(OWA\) / The Ohio State University](#)

**Agency:** The Ohio State University

**Where:** Columbus, Ohio

**Contact:** Joe Bonnell, 614-292-9383

**March 29-31, 2011**

[Modeling Summit 2011, Advancing the Science of Modeling](#)

**Agency:** Soil and Water Conservation Society

**Where:** Renaissance Denver Hotel, Denver, Colorado

**Contact:** [Dewayne Johnson](#), 515-289-2331, ext. 114

**April 15th & 16th, 2011**

[Michigan Lake and Stream Associations, Inc. 50th Annual Conference](#)

**Where:** Boyne Mountain Resort, Boyne Falls, Michigan

**Contact:** [info@mlswa.org](mailto:info@mlswa.org), 989-831-5100

**April 19-20, 2011**

[Protecting Natural Resources with Conservation Buffers Workshop](#)

**Agency:** Soil & Water Conservation Society

**Where:** Doubletree Hotel, Portland, Oregon

**Contact:** [Russ Hatz](#)

**April 26, 2011**

[Minnesota Erosion Control Association \(MECA\) Workshops:](#)

Best Management Practices for Small Site Stormwater Management

**Where:** Crow Wing County, Brainerd, Minnesota

**Contact:** 763-478-3267

**May 12-13, 2011**

[2011 Ohio Stormwater Conference](#)

**Agency:** Ohio Stormwater Association and Tinkers Creek Watershed Partners

**Where:** Crow Wing County, Brainerd, Minnesota


**Contact:** [John Mathews](#), 614-265-6685

**May 30 - June 3, 2011**

The International Association for Great Lakes Research (IAGLR):

[54th Annual Conference on Great Lakes Research](#)

**Where:** Duluth Entertainment and Convention Center, Duluth, Minnesota  
**Contact:** [Wendy L. Foster](#), 734-665-5303



Great Lakes  
Commission  
des Grands Lacs

2805 S. Industrial Highway, Suite 100  
Ann Arbor, MI 48104-6791  
phone: 734/971.9135 fax: 734/971.9150  
[www.glc.org](http://www.glc.org)

