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(FORM UPDATED: 08/11/2010)

WISCONSIN STATE LEGISLATURE ...
PUBLIC HEARING - COMMITTEE RECORDS

2007-08

(session year)

Senate

(Assembly, Senate, or Joint)

**Committee on ...
Environment and Natural Resources
(SC-ENR)**

INFORMATION COLLECTED BY COMMITTEE FOR AND AGAINST PROPOSAL

- Appointments ... **Appt** (w/Record of Comm. Proceedings)
- Clearinghouse Rules ... **CRule** (w/Record of Comm. Proceedings)
- Hearing Records ... **HR** ... **bills and resolutions** (w/Record of Comm. Proceedings)
 - (**ab** = Assembly Bill) (**ar** = Assembly Resolution) (**ajr** = Assembly Joint Resolution)
 - (**sb** = Senate Bill) (**sr** = Senate Resolution) (**sjr** = Senate Joint Resolution)
- Miscellaneous ... **Misc**

* Contents organized for archiving by: Mike Barman (LRB) (July/2014)

Keeping It On the Land

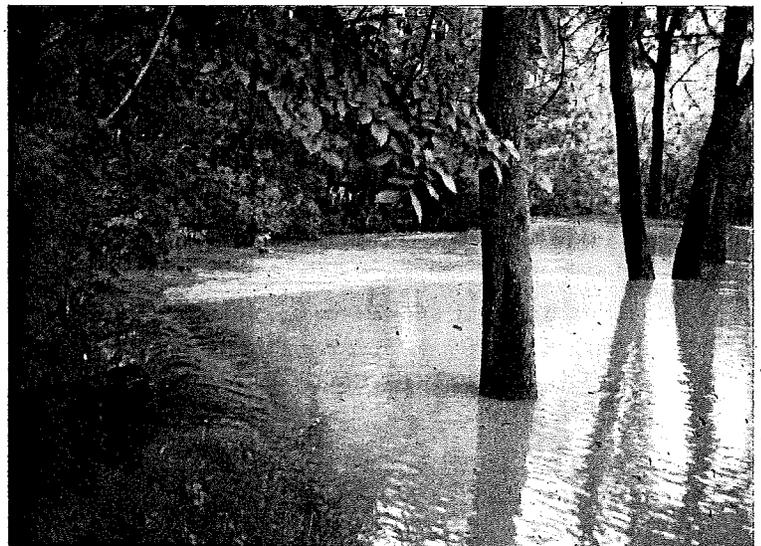
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Great Lakes Commission
www.glc.org

Information for the soil erosion
& sediment control community
in the Great Lakes region

and the
Great Lakes Basin
Program for Soil Erosion
and Sediment Control

Great Lakes Basin Program for Soil Erosion and Sediment Control 2006: The Year in Review

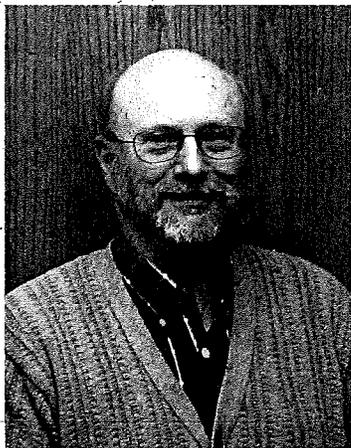


Scenes from Basin Program projects in 2006 include (clockwise from top left): workers stabilizing the bank of the Rouge River in southeast Michigan as part of the Fairway Park Streambank Stabilization Project; Demonstrating Riparian Stewardship; floodwaters on Nash Creek in west Michigan, the site of the Nash Creek Erosion and Sedimentation Control Project; and a drain added to the stabilized bank of the Elk Creek in northwest Pennsylvania as part of the Elk Creek Stream Erosion and Sediment Control Project.

This quarterly publication is made possible
through the Great Lakes Basin Program for
Soil Erosion and Sediment Control.



2006: Large Increase in Grants



Gary Overmier, Project Manager
Great Lakes Commission

During the 2006 program year the Great Lakes Basin Program staff managed 132 grants. This year also marked the first in-person meeting of the Great Lakes Soil Erosion & Sedimentation Task Force in five years.

Through the efforts of many, an increase in funding resulted in a substantial increase in the number of projects funded and requiring management during the year. Tasks involved

in managing 132 projects include staff answering questions from grantees, sending out award letters for new projects, approving project progress and final reports, assuring each report has met the appropriate goals, submitting the proper forms, making payments, and summarizing each completed project to be highlighted in the Basin Program's searchable online project files.

It had been five years since the Task Force met in person. In November 2005, the Task Force met in Toledo, Ohio, to develop the 2006 RFP. Over the course of the last five years, the Task Force conducted all of their business over the telephone and via e-mail. The long distance relationship did not allow for the personal interaction that is so important for a properly functioning group. Additionally, in that intervening period, several members of the Task Force had left and been replaced, so many Task Force members had never met one another.

The Task Force's role in managing the Basin Program is critical. It is only one of two standing task forces at the Great Lakes Commission (GLC). The Task Force provides direction to the Basin Program, sets the guidelines for the annual grant program, selects the grants to be funded, insures the grantees have met the requirements of their grants, and approves the progress and final reports of grantees in their individual states:

Other highlights from this year's efforts include:

- Commission staff continued to meet with organizations to promote the Basin Program. In addition, they made site visits to Basin Program projects in progress, which gave them an opportunity to discuss future project ideas with current recipients. All large-scale, as well as many small-scale, grantees will be visited.

- The new online application and reporting system was further refined in 2006. The online application process was continued and very few problems were encountered during the application process.

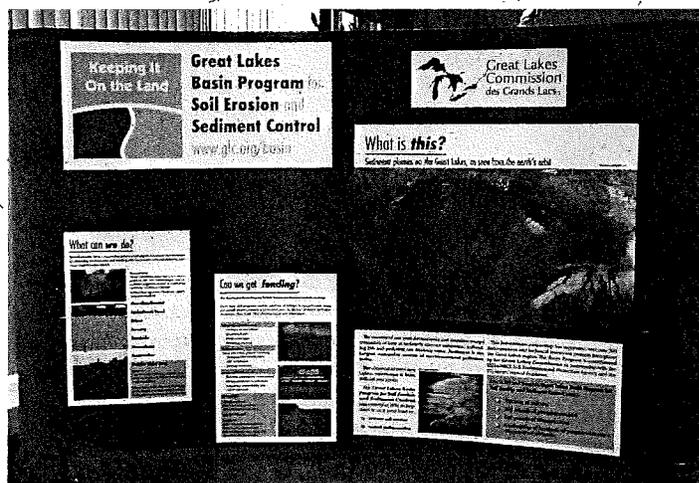
- The new display (pictured below) was used at seven different meetings and was seen by an estimated 500 people during the year.

- Several new initiatives started by the GLC and others during the year required active participation of the staff. The Western Lake Erie Basin Project, a joint effort of the United States Department of Agriculture and the United States Army Corps of Engineers, resulted in the staff participating in and providing input to this worthwhile project. The Great Lakes Experimental Watershed project was started by the staff and resulted in an understanding of a need to have sustainable watershed size nonpoint source research initiated in the Great Lakes basin.

- 2006 marked the seventh year of publication for *Keeping it on the Land*, the regional soil erosion newsletter. It is circulated to approximately 2,300 recipients and is a valuable tool for communicating information developed under the Basin Program.

All in all, a successful year of carefully planned progress. The Basin Program wishes you all the best for 2007.

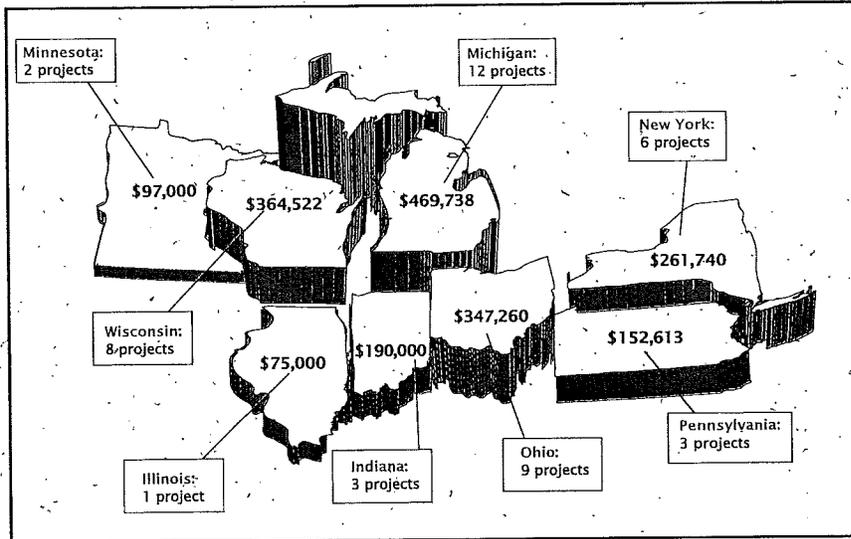
Gary Overmier
Project Manager, Great Lakes Commission



The new program display made the rounds to seven meetings this year, reaching over 500 people.

Program Benefits

2006 Funding and projects by state



44 projects, totaling \$1,957,873, were awarded in 2006.

For a detailed listing of all new 2006 projects, please see Keeping it on the Land v.8, n.2 (July 2006): www.glc.org/basin/pubs/keeping/pdf/0802.pdf.

For state-by-state totals of all Great Lakes Basin Program grant funding over the lifetime of the program (1991-present), see page 6.

Program Benefits, 1991-2006*

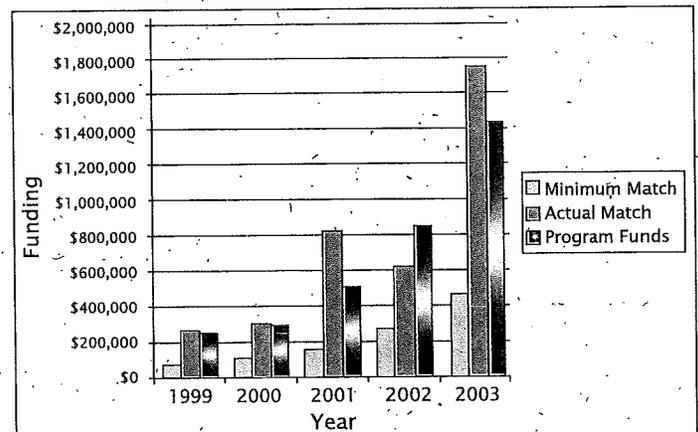
	1991-1998	1999-2006
Soil	480,449 tons saved**	697,486 tons
Phosphorus	648,037 pounds saved**	4,942,327 pounds
Nitrogen	699,552 pounds saved**	1,155,015 pounds
Leveraged Funds (state and local match)	\$1.6 million	\$6.35 million
Acreage	111,700 + acres protected	14,361 acres

*Totals are for all projects completed at the end of the project year, September 30, 2006.

** Reductions from pre-project levels.

Five-year overview of leveraged funds

Another indicator of the Basin Program's success is the contribution made to projects from local, state and private funds. The program requires a minimum nonfederal match of 25 percent of total project costs. However, most projects contribute significantly more local dollars than the required minimum. For the last five years in which all projects have been completed (1999 - 2003), the match has exceeded the minimum by almost \$2.8 million—250 percent more than the minimum requirement.



Great Lakes Basin Program: Active Projects 2006



Basin-wide distribution of the 132 projects active in 2006

This year, the Great Lakes Basin Program for Soil Erosion and Sediment Control funded a total of 132 active projects. This number is inclusive of all projects active during some or all of October 2005-September 2006. On the following pages, projects are displayed and listed by state and location within the basin to facilitate comparison between initiatives within the same state.

For more information on the project summaries or for project contact information, please see the Basin Program website:

- 2006 and prior year projects are listed for each year online at www.glc.org/basin/pubs/keeping
- www.glc.org/basin offers a searchable database and lists projects by state

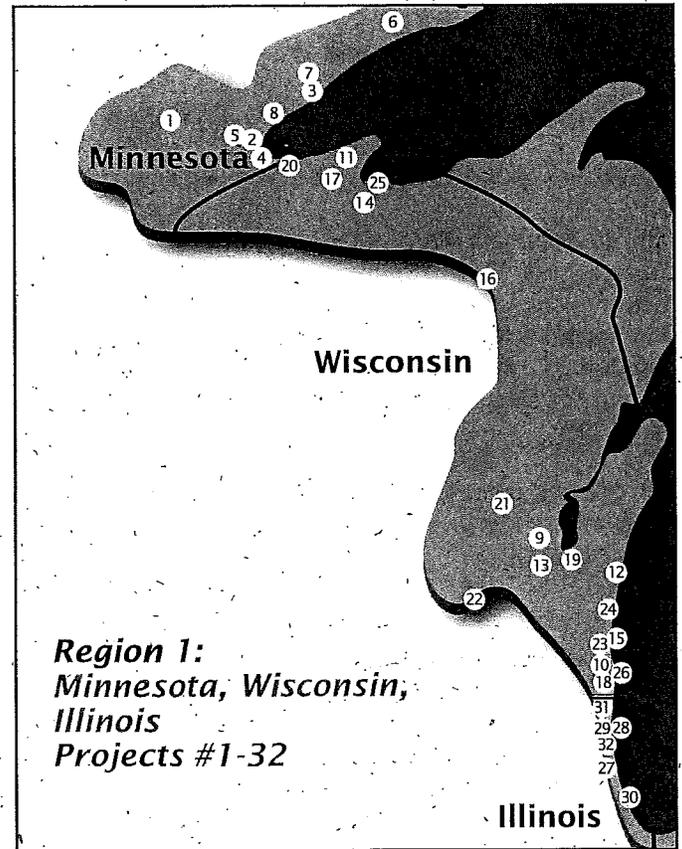
Total savings for these 132 projects:

Soil over life of project (tons)	90,285.70
Phosphorous (lbs.)	90,041.00
Nitrogen (lbs.)	98,796.00
State/Local Prop. Match Funds	\$5,250,080.00
State/Local Earned Match Funds	\$2,865,829.80
Amount Treated (acres)	4,422.83

Minnesota-Wisconsin-Illinois Projects

Region 1: Minnesota, Wisconsin, Illinois (Program Year started)

- 1. Portable Logging Bridges** | \$29,500
Logging Educational & Resource Center, Britt, MN (2003)
- 2. Construction Site Erosion and Sediment Control Field Courses** | \$19,900
Minnesota Erosion Control Association, Hamel, MN (2004)
- 3. Lake Superior SWCD Implementation Strategy**
\$30,000 | Lake Superior Association of SWCDs,
Duluth, MN (2004)
- 4. Sediment Collection Demonstration Project**
\$27,450 | City of Duluth/Environmental Advisory
Council/Utility Operations, Duluth, MN (2004)
- 5. Lake Superior Shoreline and Bank Stabilization at
Glensheen Mansion** | Phase II, Final | \$38,475
MN Board of Water & Soil Resources, Duluth, MN (2005)
- 6. Minnesota's Lake Superior Basin Forestry BMP
Implementation for Erosion and Sediment Control**
\$81,500 | Carlton Soil & Water Conservation District,
Carlton, MN (2005)
- 7. Preventing Damage to Wetlands Project** | \$22,000
Logging Educational and Resource Center (LERC),
Mountain Iron, MN (2006)
- 8. Skunk Creek Streambank Restoration Project**
\$75,000 | Lake County Soil & Water Conservation
District, Two Harbors, MN (2006)
- 9. Fish Habitat Restoration by Buffer Strip
Installation** | \$28,989
Outagamie County Land Conservation Department,
Appleton, WI (2003)
- 10. Menomonee Valley Soil Erosion and Sediment
Control Project** | \$100,000
Menomonee Valley Partners, Inc., Milwaukee, WI (2004)
- 11. Stormwater BMPs for Lake Superior Clay Soils**
\$15,525 | Douglas County Land Conservation
Department, Ashland, WI (2004)
- 12. Town of Centerville Harvestable Buffer Strip
Project** | \$24,044
Town of Centerville, Cleveland, WI (2004)
- 13. Winnebago County Erosion Control & Stormwater
Management** | \$11,643



**14. A Watershed Management Strategy in the
Marengo River Watershed** | \$49,450
Ashland, Bayfield, Douglas, Iron County Land & Water
Conservation Department, Ashland, WI (2005)

**15. City of Milwaukee Erosion Control Information
and Training Program** | \$50,000
City of Milwaukee, Milwaukee, WI (2005)

**16. Forest Road Building Erosion and Sediment
Control Video** | \$27,210
FISTA, Rhinelander, WI (2005)

**17. Reducing Gully Erosion and Peak Flows in the
Bark River** | \$124,919
University of Wisconsin-Madison, Madison, WI (2005)

**18. The Slope Stabilization of Two Ravines in Lake
Park** | \$24,450
Milwaukee County Parks, Wauwatosa, WI (2005)

**19. The Slope Stabilization of Two Ravines in Lake
Park** | \$24,450
Milwaukee County Parks, Wauwatosa, WI (2005)

Continued on page 6

Minnesota-Wisconsin-Illinois Projects

(continued from page 5)

19. Branch River Upper Watershed Hydrologic Improvement Projects | \$39,782 | Friends of the Branch River, Inc (FOBR), Whitelaw, WI (2006)

20. Faxon Creek Erosion Control: A Central Strategy | \$30,000
City of Superior Wastewater Division of Public Works, Superior, WI (2006)

21. Forest Erosion and Sediment Control Education Project | \$29,740
Wisconsin Department of Natural Resources, Madison, WI (2006)

22. Little Green Lake Watershed Project | \$30,000
Green Lake County Land Conservation Dept, Green Lake, WI (2006)

23. Milwaukee County Soil Erosion Workshop and Certification for Builders | \$10,000
River Revitalization Foundation, Milwaukee, WI (2006)

24. City Center Demonstration Project: Diversion and Treatment of First Flush Urban Stormwater Run-off and Bluff Stabilization | \$75,000
City of Ashland, Department of Public Works, Ashland, WI (2006)

25. Concordia Lake Michigan Erosion Abatement Project | \$75,000
Concordia University Wisconsin, Mequon, WI (2006)

26. Menomonee Valley Riverbank Stabilization Project | \$75,000
Menomonee Valley Partners, Inc., Milwaukee, WI (2006)

27. Bull Creek Restoration and Stabilization
\$100,000
Lake County Stormwater Management Commission, Libertyville, IL (2003)

28. Waukegan River Private Property Erosion Control Project | \$8,000
Waukegan Harbor Citizens' Advisory Group, Waukegan, IL (2004)

29. Fort Sheridan IL Ravine Project for Scott Loop
\$50,000
Friends of Fort Sheridan, Highland Park, IL (2005)

30. Monitoring Post-Stabilization Ravine Sites for Water, Sediment, and Ecological Improvement
\$37,605
Northeastern IL University, Northfield, IL (2005)

31. Waukegan River Ravine Erosion Control
\$125,000
City of Waukegan, IL (2005)

32. Soil Erosion and Sediment Control Project within Janes Ravine at Fort Sherdian Forest Preserve | \$75,000
Lake County Forest Preserve District, Grayslake, IL (2006)



*Tile Line Water Sampling Wells
Photo credit: Michigan State University*

Cumulative Summary of Basin Program Projects by State, 1991-2006

TOTAL GRANTS OVER 16 YEARS, 1991-2006

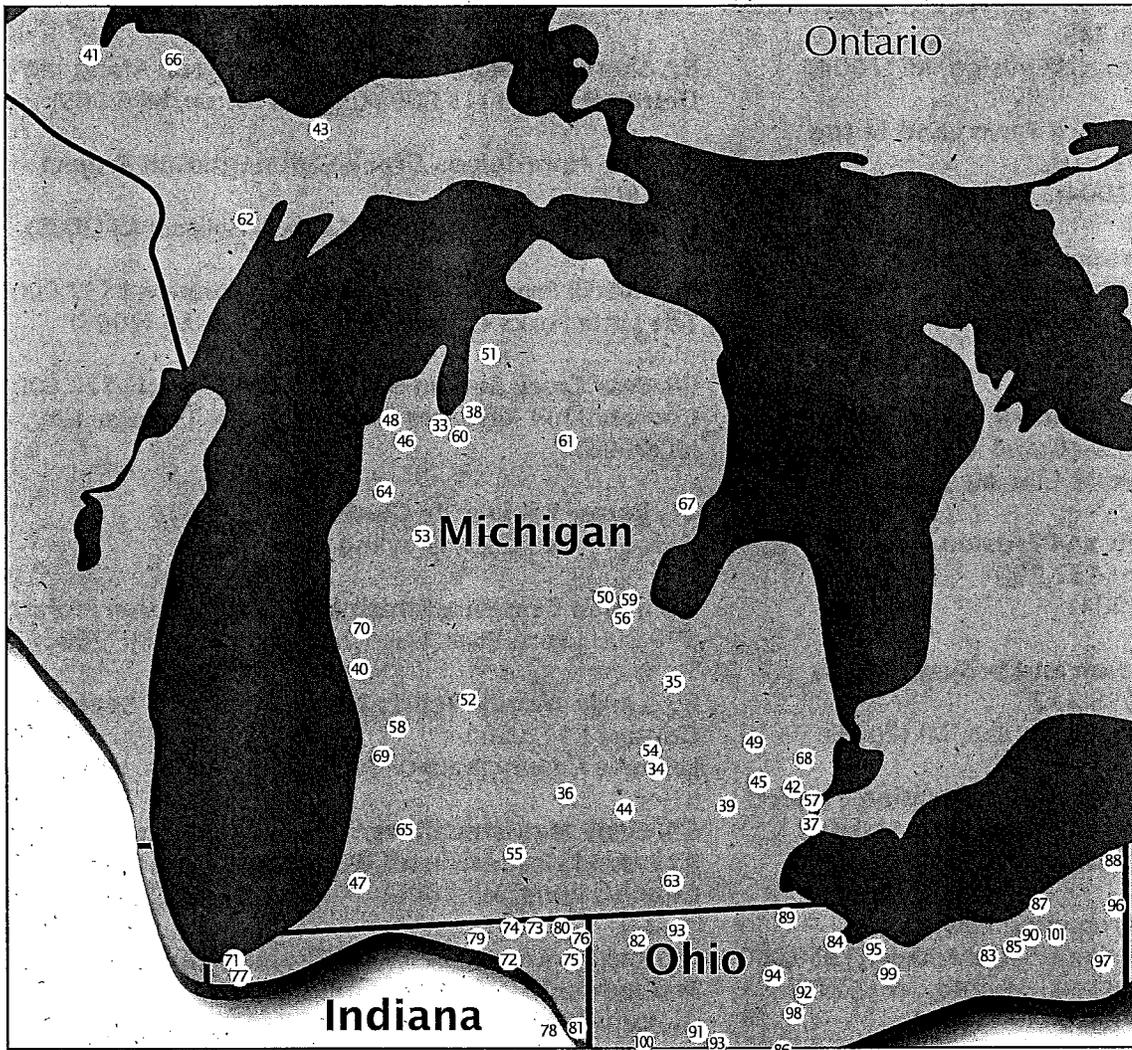
State	Number of Grants	Total Funding
Illinois	11	\$ 551,505
Indiana	26	\$ 888,914
Michigan	116	\$ 5,297,510 ¹
Minnesota	38	\$ 966,510
New York	76	\$ 2,255,937
Ohio	51	\$ 1,786,224
Pennsylvania	26	\$ 972,974
Wisconsin	37	\$ 1,457,218 ²
TOTAL	389	\$14,176,792

While competition for Basin Program funds is intense, the program has successfully made a difference to key sites in each Great Lakes state over its 16-year history.

¹ Includes three \$600,000 appropriations (FY 91-93) to the MI DNR for the Saginaw Bay Erosion and Sedimentation Control Program.

² Includes a grant of \$21,368 to the National Association of Conservation Districts for seven soil erosion workshops in the Great Lakes Basin.

Michigan-Indiana-Ohio Projects



**Region 2:
Michigan,
Indiana, Ohio
Projects #33-101**

Region 2: Michigan, Indiana, Ohio (Program Year started)

33. Kid's Creek Buffalo Pasture Restoration Project
\$99,150 | The Watershed Center Grand Traverse Bay,
Traverse City, MI (2003)

34. Red Cedar River Urban Buffer Project | \$22,800
Ingham Conservation District, Mason, MI (2003)

35. Shiawassee River Conservation Tillage Project
\$32,114 | The Nature Conservancy, Lansing, MI (2003)

36. Battle Creek River Restoration Project | \$90,525
Thornapple-Grand Conservation District, Charlotte, MI
(2004)

**37. Detroit River - Gibraltar Bay Shoreline
Reconstruction and Erosion Control** | \$30,000
Grosse Ile Nature & Land Conservancy, Grosse Ile, MI
(2004)

**38. Evaluation of Erosion Control Best Management
Practices (BMPs) in Streams** | \$46,100
Conservation Resource Alliance, Traverse City, MI (2004)

**39. Living on Edge: Shoreline Management
Workshop** | \$16,280
Huron River Watershed Council, Ann Arbor, MI (2004)

40. Muskegon Lake AOC Urban Sediment Project
\$30,000
Timberland Resource Conservation & Development
Area Council, Inc., Comstock Park, MI (2004)

41. Sand Point Shoreline Stabilization Project
\$100,000 | Keweenaw Bay Tribe of Chippewa Indians,
Baraga, MI (2004)

**42. Saving a Park Streambank: Stemming Soil
Erosion with a Native Buffer** | \$7,773
Friends of the Rouge, Dearborn Heights, MI (2004)

Continued on page 8

Michigan-Indiana-Ohio Projects

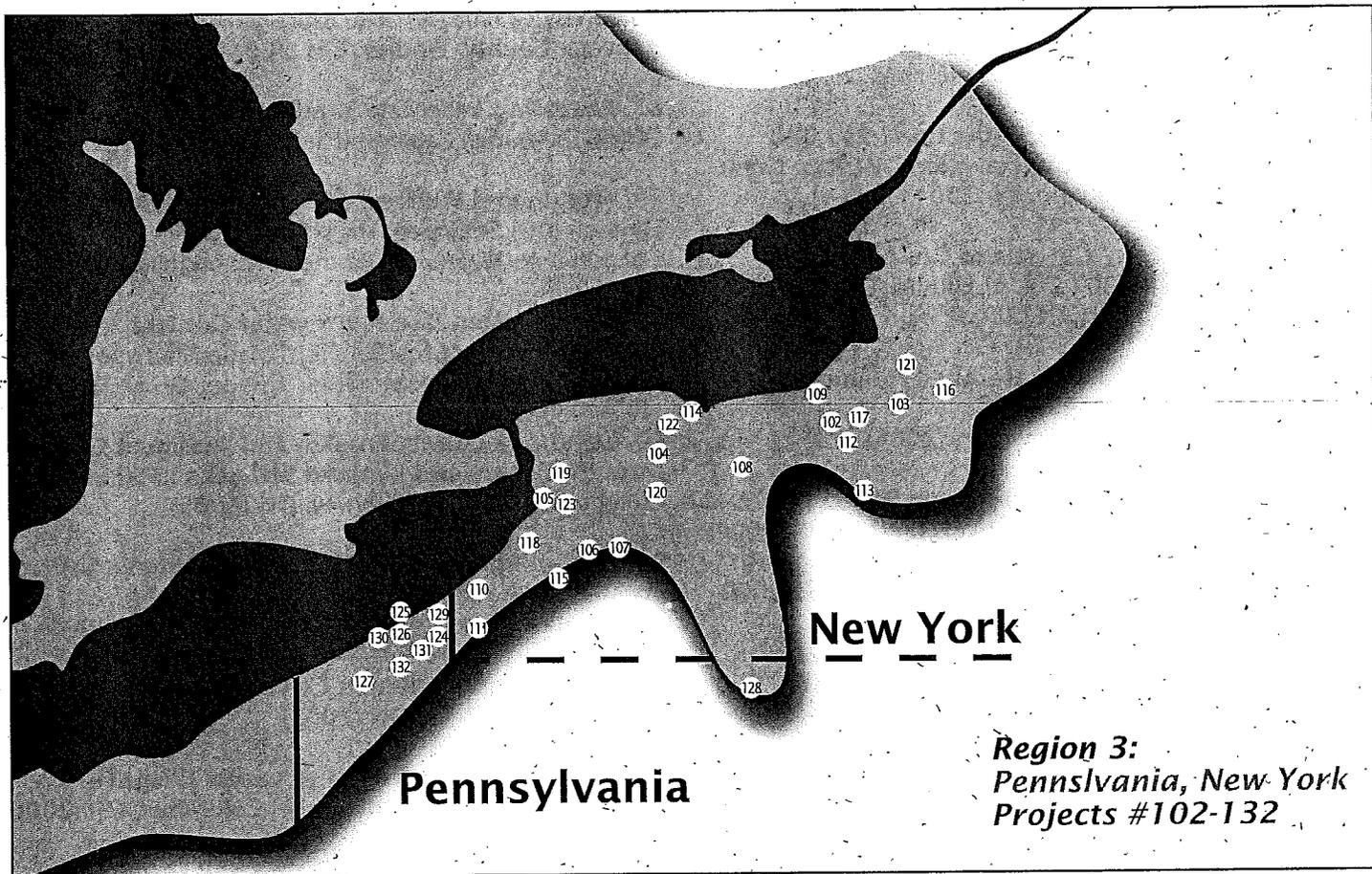
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- 43. St. Martin's Hill Erosion Control Demonstration Project- Phase II** | \$110,385
Alger Conservation District, Munising, MI (2004)
- 44. Stabilizing Nutrient-Rich Farm Land in the Great Lakes Basin** | \$29,616
MSU, East Lansing, MI (2004)
- 45. Streambank Restoration and Erosion Control in the Rouge River Watershed** | \$105,200
Office of the Oakland County Drain Commissioner, Waterford, MI (2004)
- 46. Trapp Farm Wetland Rehabilitation/Sediment Control Project** | \$30,000 | Grand Traverse Regional Land Conservancy, Traverse City, MI (2004)
- 47. Watervliet Sediment and Erosion Control Demonstration Center** | \$32,000
City of Watervliet, MI (2004)
- 48. Benzie County Erosion and Sedimentation Reduction Initiative** | \$56,342
Benzie Conservation District, Beulah, MI (2005)
- 49. Fairway Park Streambank Stabilization Project: Demonstrating Riparian Stewardship** | \$10,402
Friends of the Rouge, Dearborn, MI (2005)
- 50. Implementing and Promoting Low Impact Development for Soil Erosion & Sedimentation** | \$50,000
Midland Conservation District, Sanford, MI (2005)
- 51. Inadequately Designed Road Stream Crossings of Ogletree Creek** | \$48,830
Antrim Conservation District, Bellaire, MI (2005)
- 52. Nash Creek Erosion and Sedimentation Control Project** | \$43,245 | Kent County Drain Commissioner | Grand Rapids, MI (2005)
- 53. Pere Marquette Headwaters Erosion Control Project** | \$25,000 | Pere Marquette River Watershed Council, Baldwin, MI (2005)
- 54. Practical Stabilization of AG Land with Multiple Barriers to Soil Erosion** | \$50,373
Michigan State University, East Lansing, MI (2005)
- 55. Rice Creek Natural Stream Restoration Sediment Control Project** | \$42,500
City of Marshall, Marshall, MI (2005)
- 56. Salt Creek Drain Erosion and Sedimentation Control Project** | \$99,000
Saginaw Bay RC&D Area, Inc., Bay City, MI (2005)
- 57. Shoreline Restoration of Black Lagoon Along the Detroit River** | \$113,000 | City of Trenton, MI (2005)
- 58. The Noordeloos Creek Sedimentation Project** | \$87,500
Macatawa Area Coordinating Council, Holland, MI (2005)
- 59. Averill Preserve L & B Drain Restoration** | \$37,000
The Little Forks Conservancy, Midland, MI (2006)
- 60. Bear Creek Stream Bank Erosion Project** | \$20,000
Conservation Resource Alliance (CRA), Traverse City, MI (2006)
- 61. Better Backroads Guidebook** | \$9,610
Huron Pines RC&D, Grayling, MI (2006)
- 62. Indian Cemetery Streambank Stabilization Project** | \$20,000 | Ford River Township, Bark River, MI (2006)
- 63. Large Woody Debris Management for Sediment Control** | \$27,000
Lenawee County Drain Commissioner, Adrian, MI (2006)
- 64. Little Manistee River Stream Crossing Project** | \$39,000 | Little Manistee Watershed Conservation Council, Irons, MI (2006)
- 65. Rabbit River Watershed Project, Reducing Sedimentation through Education** | \$5,758
Allegan Conservation District, Allegan, MI (2006)
- 66. Salmon Trout River Watershed Erosion and Sediment Control Project** | \$24,618
Central Lake Superior Watershed Partnership, Marquette, MI (2006)
- 67. East Branch of the Au Gres River Erosion and Sediment Control Project** | \$72,188 | Whitney Intercounty Drainage Board, Lansing, MI (2006)
- 68. Galloway Creek Erosion and Sediment Control Project** | \$75,000 | Oakland University, Rochester, MI (2006)
- 69. Macatawa Watershed Roadside Erosion and Sediment Control Project** | \$75,000
Macatawa Area Coordinating Council/Macatawa Watershed Project, Holland, MI (2006)
- 70. White River Erosion and Sediment Control Partnership Project** | \$64,564
Oceana Conservation District, Shelby, MI (2006)

Michigan-Indiana-Ohio Projects

- 71. Turkey Creek Corridor Enhancement Project** | \$28,215 | Lake County Parks Dept. - Planning Division, Crown Point, IN (2003)
- 72. Great Lakes Sediment Reduction** | \$35,000 | National Association of Conservation Districts, Great Lakes Committee, Franklin, IN (2004)
- 73. High Dive Park / Christiana Creek Bank Restoration** | \$30,000 | City of Elkhart/Dept. of Parks and Recreation, Elkhart, IN (2004)
- 74. Indiana Great Lakes Watershed Alliance Investigation** | \$3,750 | Elkhart County SWCD, Goshen, IN (2004)
- 75. St. Joseph River Erosion Reduction Project** | \$99,940 | St. Joseph River Watershed Initiative, Ft. Wayne, IN (2004)
- 76. Crooked Lake Sediment Control Project** | \$50,000 | Crooked Lake Association, Angola, IN (2005)
- 77. Lake George Sediment Control Project** | \$100,000 | City of Hobart, IN (2005)
- 78. PBS Documentary: How Erosion and Sedimentation Impact the Maumee River Basin** | \$49,205 | Fort Wayne City Utilities, Fort Wayne, IN (2005)
- 79. Baugo Creek Streambank Stabilization Project** | \$40,000 | St. Joseph County Parks, South Bend, IN (2006)
- 80. Little Elkhart River Livestock Induced Sedimentation Demonstration Project** | \$75,000 | LaGrange County SWCD, LaGrange, IN (2006)
- 81. St. Marys and Maumee River Erosion and Sediment Control Project** | \$75,000 | Allen County SWCD, Fort Wayne, IN (2006)
- 82. Reducing Soil & Nutrient Loss by Cutting Nitrogen Rates** | \$29,500 | Conservation Action Project, Napoleon, OH (2003)
- 83. Streamside Vegetation for Education** | \$30,000 | Ohio Lake Management Society, Kent, OH (2003)
- 84. Agricultural Land Use Mapping with Multi-Temporal Imagery** | \$41,127 | The University of Toledo, Toledo, OH (2004)
- 85. Boulder Creek Restoration Project** | \$30,000 | City of Solon, OH (2004)
- 86. Grass/Legume Demonstration Plots to Prevent Soil Erosion** | \$28,148 | University of Findlay/Ohio State University Extension, Hancock County, Findlay, OH (2004)
- 87. Restoring Lake Erie Sand Resources** | \$100,000 | ODNR, Division of Geological Survey, Sandusky, OH (2004)
- 88. Stream and Wetland Mitigation to Reduce Erosion and Sedimentation** | \$28,700 | Chagrin River Watershed Partners, Willoughby, OH (2004)
- 89. Construction Site Stormwater Control Education Project** | \$29,179 | Toledo Metropolitan Area Council of Governments, Toledo, OH (2005)
- 90. Cuyahoga County Erosion and Sediment Control through Stream and Wetland Setbacks** | \$50,000 | Cuyahoga SWCD, Valley View, OH (2005)
- 91. Designing Equine Facilities to Decrease Soil Erosion in the Lake Erie Watershed** | \$124,525 | Ohio State University Extension, Findlay, OH (2005)
- 92. Honey Creek Sediment Control Project** | \$41,090 | Seneca SWCD, Tiffin, OH (2005)
- 93. Education on No-till & Conservation Tillage** | \$10,000 | Conservation Tillage Conference, Columbus, OH (2006)
- 94. Enhancing Ohio's Lake Erie CREP Outreach Program** | \$10,275 | ODNR Division of Soil & Water Conservation, Findlay, OH (2006)
- 95. Erie Rural Roadside Erosion & Sediment Control Demonstration** | \$29,265 | Erie SWCD, Sandusky, OH (2006)
- 96. Powers Brook Sediment Control Project** | \$32,370 | Summit County SWCD, Cuyahoga Falls, OH (2006)
- 97. Summit County Raingarden Initiative** | \$8,160 | Summit County SWCD, Cuyahoga Falls, OH (2006)
- 98. Tymochtee Creek and Sandusky River Sediment Control Project** | \$36,822 | The Ohio State University Extension, Upper Sandusky, OH (2006)
- 99. Erie-Huron Strip Till Promotion Project (STP)** | \$74,868 | Erie-Huron SWCD, Norwalk, OH (2006)
- 100. Sugar Creek Stream Erosion and Sediment Control Project** | \$75,000 | Ottawa River Coalition, Lima, OH (2006)
- 101. West Creek Stream Restoration and Erosion Control Project** | \$70,500 | West Creek Preservation Committee, Parma, OH (2006)

New York-Pennsylvania Projects



Region 3: Pennsylvania, New York (Program Year started)

102. Dutch Hollow Brook Streambank Stabilization Project | \$28,485
Cayuga County SWCD, Auburn, NY (2003)

103. Butternut Creek System Sediment Control Project | \$30,000
Onondaga County SWCD, LaFayette, NY (2004)

104. Controlling Sediment in the Black and Oatka Creek Watersheds | \$99,450
Genesee/Finger Lakes Regional Planning Council, Rochester, NY (2004)

105. Erosion Caused by Ice: How Significant is the Contribution to Watershed Soil Erosion & Sediment Budgets? | \$29,945
Buffalo State University, Buffalo, NY (2004)

106. Erosion Control at Quaker Street Bridge | \$30,000
Erie County Dept. of Public Works, Buffalo, NY (2004)

107. Grazing System Practice Implementation Project | \$29,466
Seneca Trail Resource Conservation & Development Council, Inc., Ellicottville, NY (2004)

108. Non-point Education for Planning and Zoning Boards of Appeal | \$9,150
Ontario County SWCD, Canandaigua, NY (2004)

109. Practical Fluvial Geomorphology Workshops | \$15,265
Finger Lakes Resource Conservation & Development Council, Inc., Bath, NY (2004)

110. Centaur Stride Erosion and Sediment Control Project | \$21,162
Seneca Trail Resource Conservation and Development Council, Inc., Ellicottville, NY (2005)

111. Chautauqua Creek Restoration Demonstration Project | \$125,000
Chautauqua County SWCD, Jamestown, NY (2005)

New York-Pennsylvania Projects

112. Erosion and Sediment Control on Grazing Farms in Onondaga and Cayuga Counties

\$112,743

Onondaga County SWCD, LaFayette, NY (2005)

113. Fall Creek Streambank Stabilization Project

\$25,612 | Tompkins County SWCD, Ithaca, NY (2005)

114. Irondequoit Bay Erosion Abatement Project

\$50,000

Town of Penfield, Penfield, NY (2005)

115. McKinstry Creek Channel Restoration Project

\$48,250

Cattaraugus County SWCD, Ellicottville, NY (2005)

116. Oneida Lake Watershed Erosion and Sediment Control Initiative | \$20,129

Central New York Regional Planning & Development Board, Syracuse, NY (2005)

117. Seneca River Watershed Agricultural Erosion Reduction Project | \$13,428

Cornell Cooperative Extension of Cayuga County, Auburn, NY (2005)

118. Clear Creek Erosion and Sediment Control

\$40,000

Seneca Nation of Indians, Irving, NY (2006)

119. Exchange Street Culvert Erosion Control Project | \$35,875

Seneca Trail Resource Conservation and Development Council, Inc, Ellicottville, NY (2006)

120. Oatka Creek Stream Stabilization and Habitat Restoration | \$37,272

Wyoming County SWCD, Warsaw, NY (2006)

121. Reducing Agricultural Soil Loss in the Oneida Lake Watershed | \$37,058

Madison County SWCD, Hamilton, NY (2006)

122. Jillson Roadside Erosion Control Project

\$51,250

Seneca Trail Resource Conservation and Development Council, Inc., Ellicottville, NY (2006)

123. The Black Creek Streambank Stabilization Project

\$60,285

Monroe County SWCD, Rochester, NY (2006)

124. Baker Creek Sediment Reduction Project | \$98,000

Borough of North East, North East, PA (2004)

125. Raising Awareness of Long-Term Sediment Loading, Presque Isle Bay | \$29,521

School of Science, Penn State Erie – The Behrend College, Erie, PA (2004)

126. West Branch Cascade Creek Restoration Project | \$100,000

Erie County Conservation District, Erie, PA (2004)

127. Elk Creek Stream Erosion and Sediment Control Project | \$71,250

McKean Township, McKean, PA (2005)

128. Genesee River Headwaters Erosion and Sedimentation Control Project | \$124,900

Potter Co. Conservation District, Coudersport, PA (2005)

129. Penn State Behrend Erosion and Sediment Control Project | \$43,350

Penn State University, Erie, PA (2005)

130. BMP Information for PA shoreline and waterway contractors | \$9,634

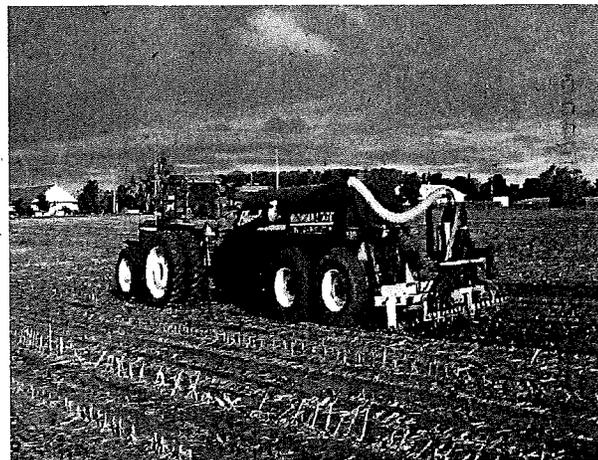
Pennsylvania Sea Grant, Erie, PA (2006)

131. Environmentally Sensitive Maintenance (ESM) for Dirt & Gravel Roads/Trails | \$67,979

The Pennsylvania State University, University Park, PA (2006)

132. Penn State Behrend Erosion and Sediment Control | \$75,000

The Pennsylvania State University Office of Sponsored Programs, State College, PA (2006)



Field application: stabilizing nutrient-rich farmland
Photo credit: Michigan State University

Of Interest ...

Workshops and Conferences

If you have an item for the next quarter, please contact **Gary Overmier** at 734-971-9135 or garyo@glc.org

February 1-2

Pennsylvania Association of Conservation Districts
Winter Meeting

Location: Ramada Inn and Conference Center, State College, Pennsylvania

Contact: 717-238-7223

Web: www.pacd.org/events/winter07/default.htm

4-8

South St. Louis SWCD Erosion and Sediment Control Workshop

Location: Hermantown Public Safety Building, Hermantown, Minnesota

Contact: Nicole Barg, 218-723-4867

E-mail: barg@southstlouisswcd.org

March 5-6

National Association of Conservation Districts
Great Lakes Committee Meeting

Location: Jurys Washington Hotel, 1500 New Hampshire Ave. NW, Washington, D.C.

Contact: Christa Jones, 317-738-3849

E-mail: christa-jones@nacdn.net

6-7

Great Lakes Day

Location: Jurys Washington Hotel, 1500 New Hampshire Ave. NW, Washington, D.C.

Contact: Dr. Jon MacDonagh-Dumler, 734-971-9135

Web: www.glc.org/greatlakesday

11-13

Conference on Watershed Management to Meet Water Quality and TMDLs

American Society of Agricultural and Biological Engineers

Location: Crowne Plaza Riverwalk, San Antonio, Texas

Contact: Sharon McKnight, 269-428-6333

E-mail: mcknight@asabe.org

Web: www.asabe.org/meetings/tmdl2007

April 25-26

2007 Central New York Regional Envirothon
Sponsored by the Cayuga, Chenango, Madison, Onondaga, and Wayne Soil and Water Conservation Districts

Location: Rogers Environmental Education Center, Sherburne, New York

Contact: Megan Henderson, 315-677-3851

E-mail: mhenderson@ocswcd.org

Web: www.ocswcd.org/index_files/ethon_07_brochure.pdf

May 14-16

2007 Semiannual Meeting of the Great Lakes Commission

Location: Indianapolis, Indiana

Web: www.glc.org/meeting

Contact: Tom Crane, 734-971-9135

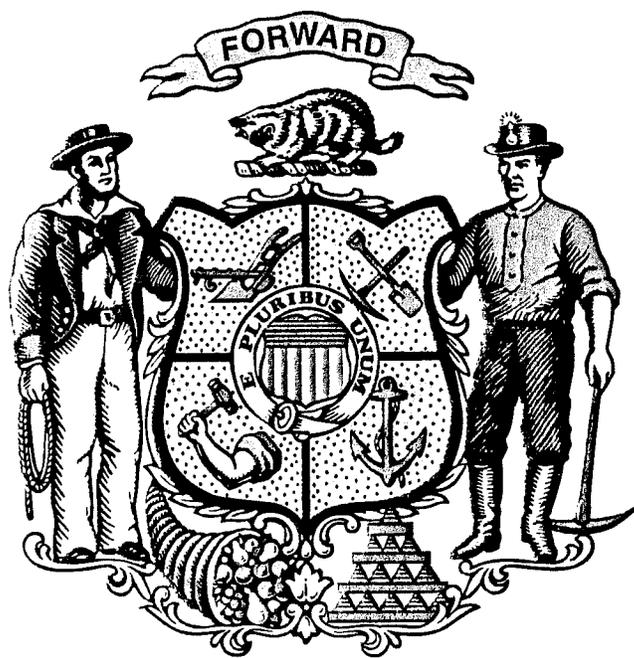
E-mail: tcrane@glc.org



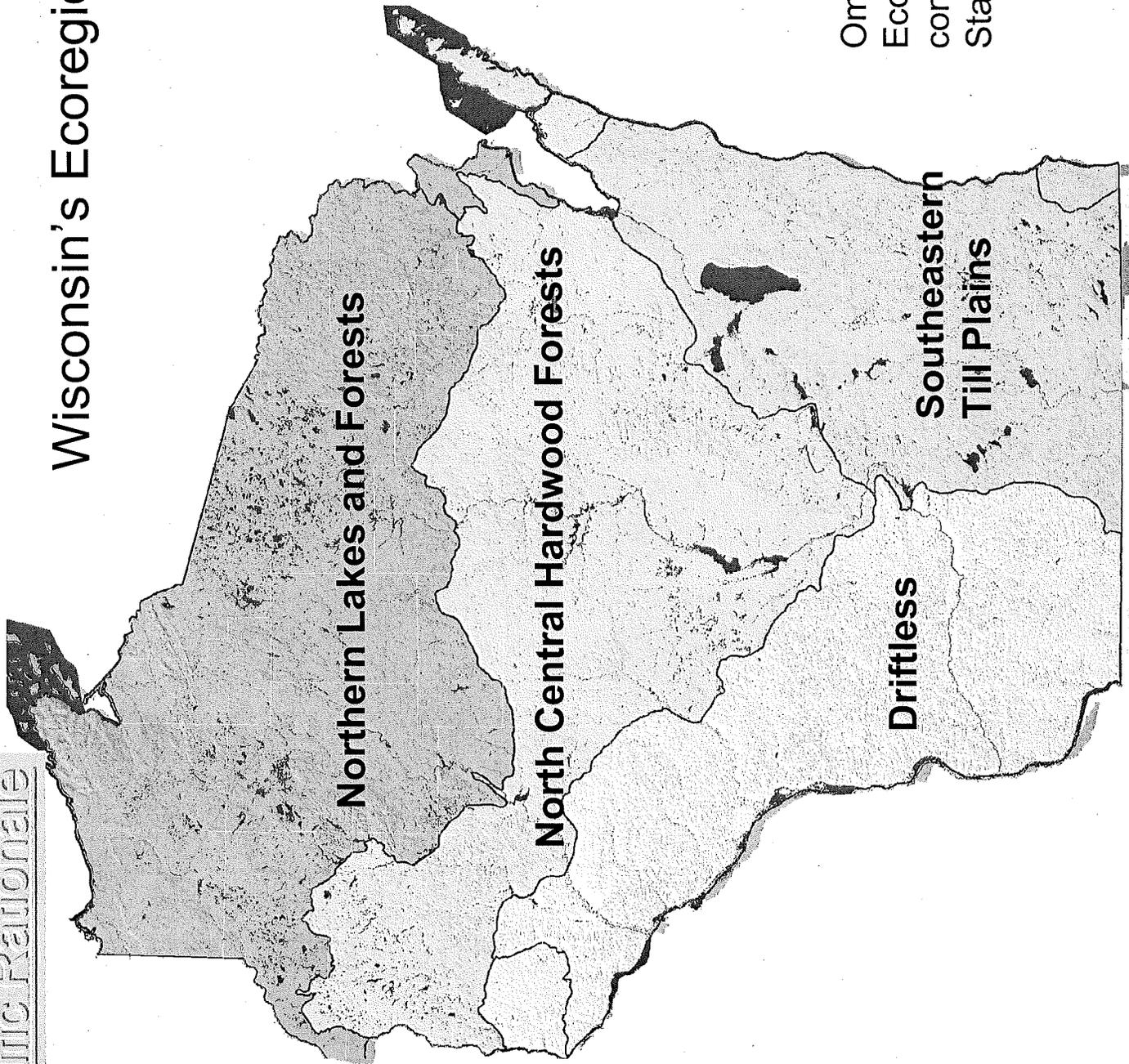
Great Lakes Commission
Eisenhower Corporate Park
2805 S. Industrial Highway, Suite 100
Ann Arbor, MI 48104-6791
www.glc.org

Presorted Standard
U.S. Postage
Paid
Permit No. 112
Ann Arbor, MI





Wisconsin's Ecoregions

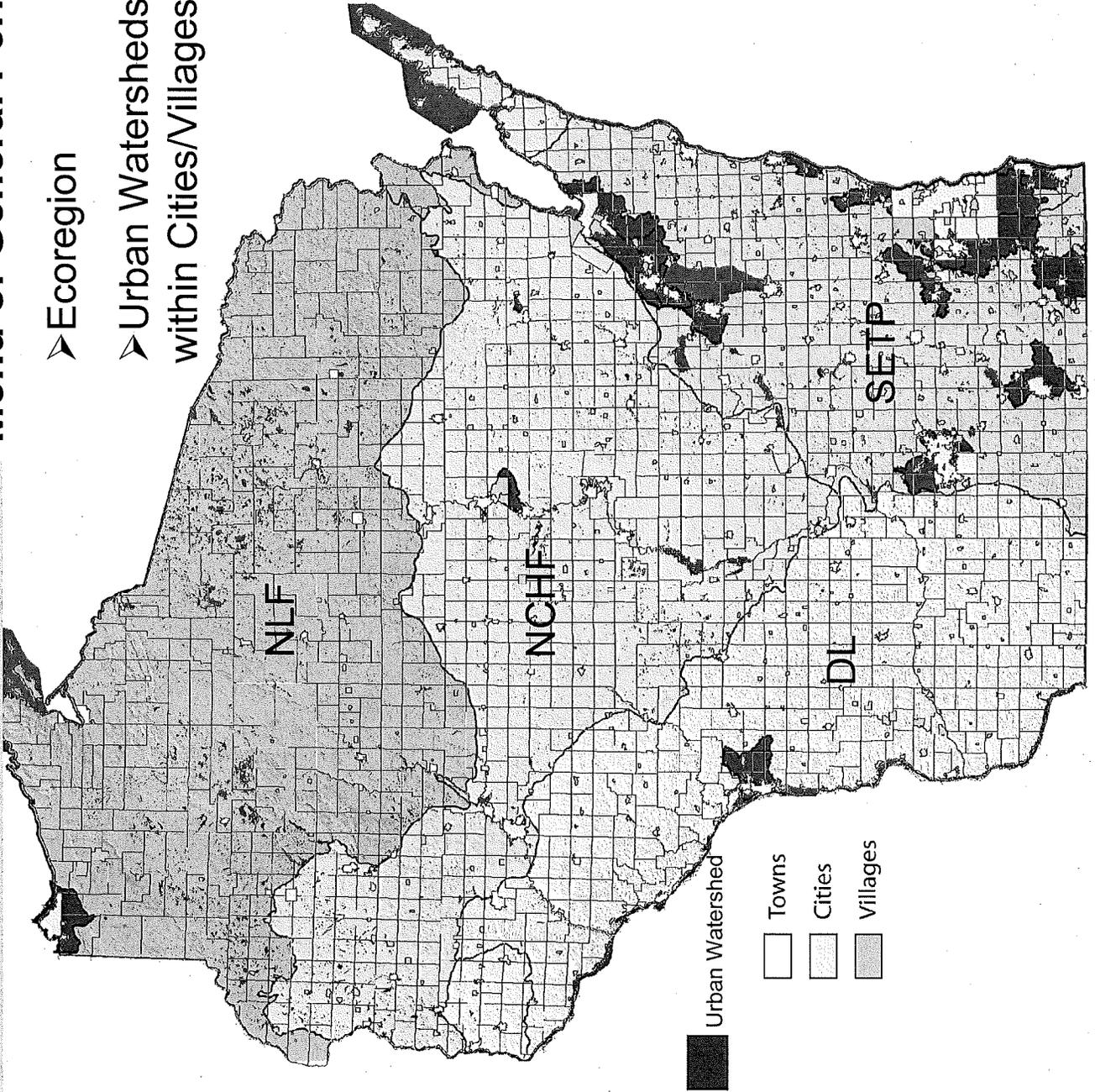


Omernik, J.M. 1987.
Ecoregions of the
conterminous United
States.

Rule Design Concepts

Menu of General Permits by Location:

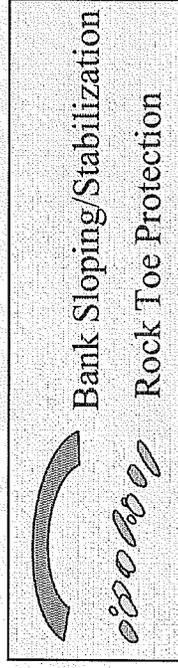
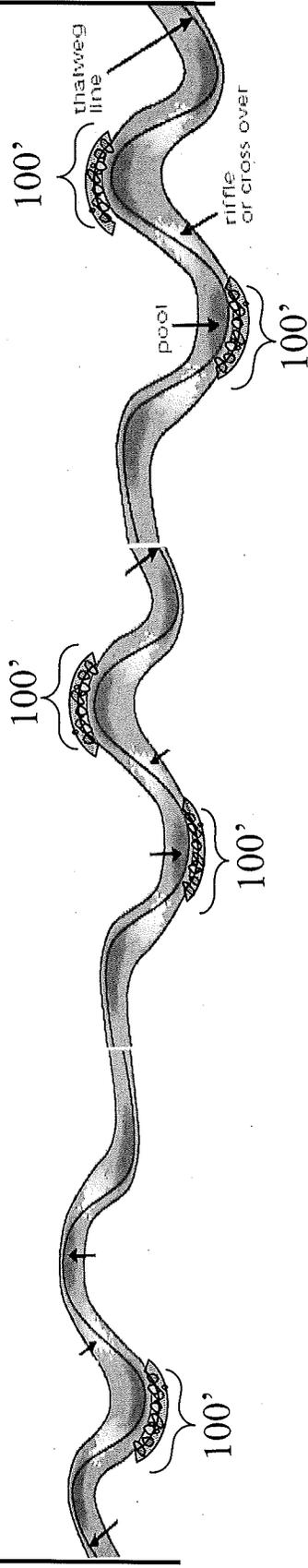
- Ecoregion
- Urban Watersheds or Municipal Boundaries within Cities/Villages



Integrated Bank Treatment

Total project length up to 500' per 1/4 mile of stream

One-quarter mile

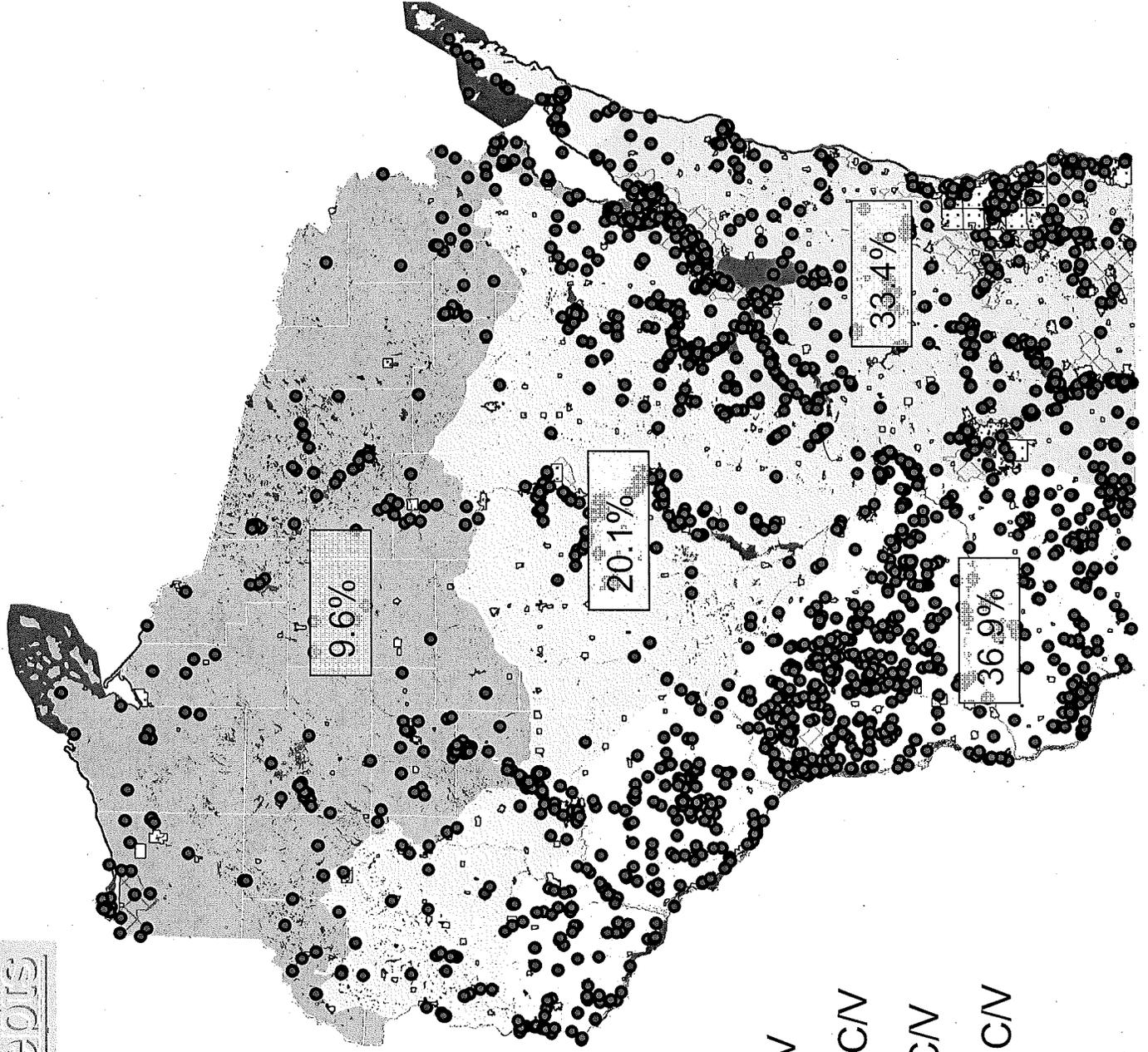


(As for all GPs: rare species impacts must be addressed; project timing windows avoid work during spawning seasons; construction erosion BMPs required)

Rule Design Concepts

2001- 2005 Stream Erosion Control Permit Applications

2,339 Applications with
accurate XY Coordinates



NLF=225, 28 within C/N

NCHF= 469, 92 within C/N

DRFT=864, 90 within C/N

SETP=781, 303 within C/N

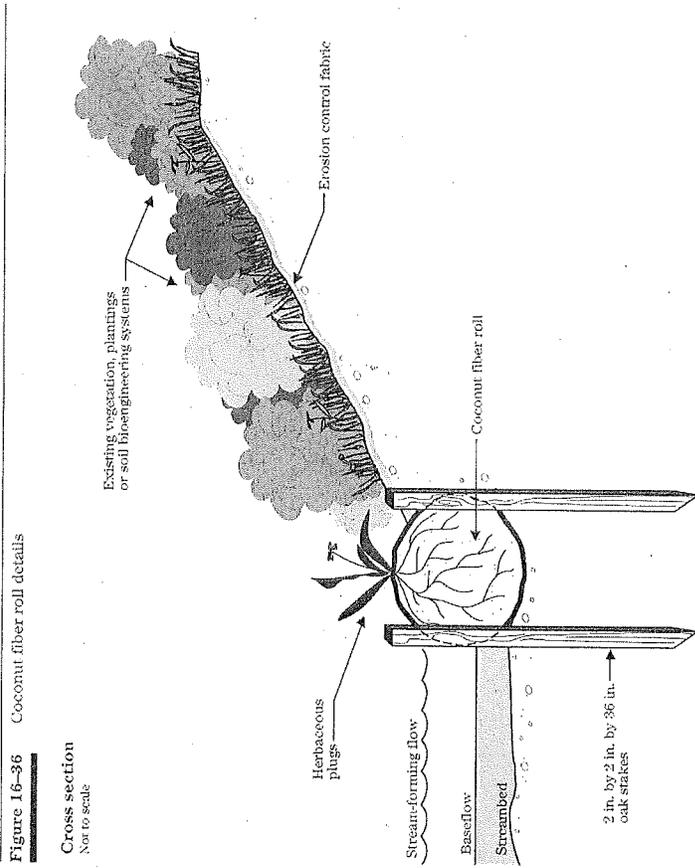
Integrated Bank Stabilization GP based Potential Index (BEPI).

- Bank material
- Degree of channel incision (bank height/OHWM height)
- Bank slope
- Bank layering
- Bank vegetation
- Deepest water (thalweg) location
- Hydraulic structures



Two Types of General Permits

Biostabilization



16-52

(210-v-EFH, December 1996)

Integrated Bank Treatment

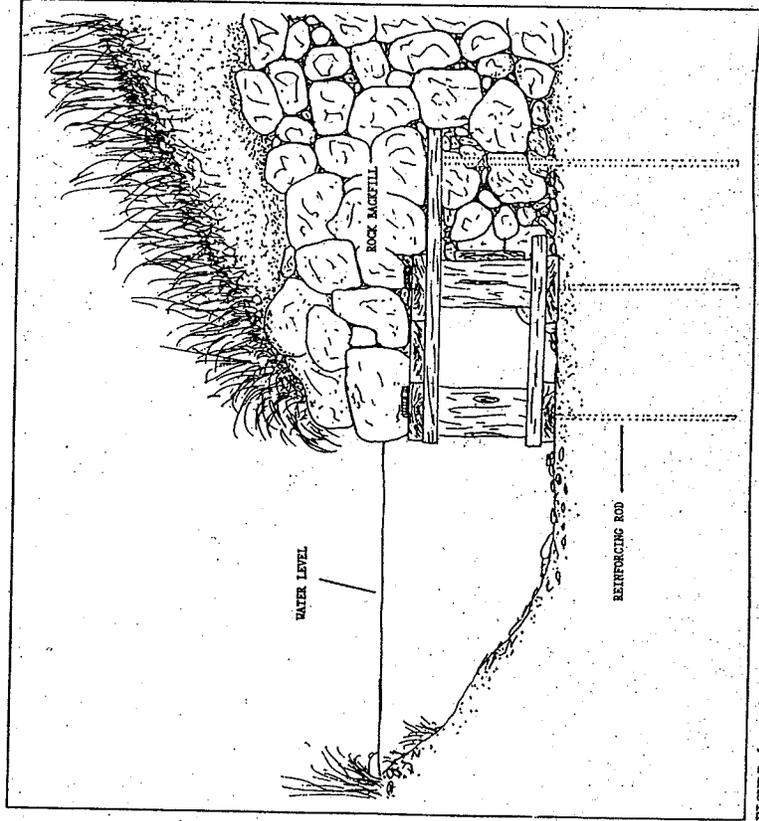
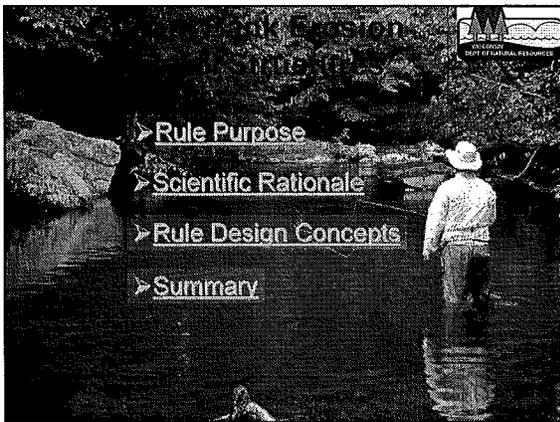
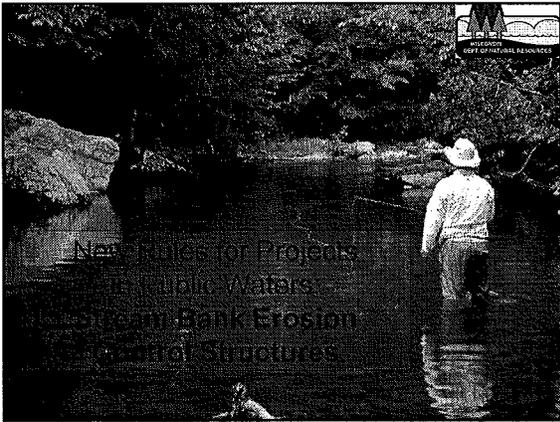
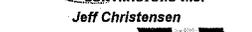


FIGURE 6. Side View, installed LUNKERS unit.



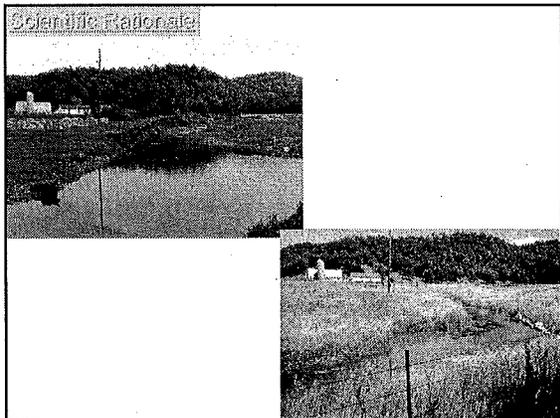
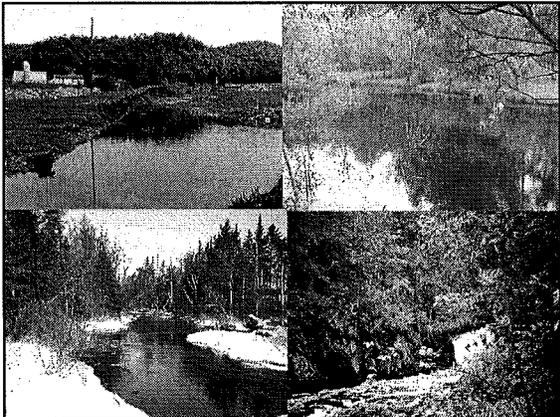


NR 328 Stakeholder Participants, We Thank You

 Natural Resources Conservation Service Scott Mueller & Barb Lensch	 Ed Odgers
 Wisconsin Water Science Center Faith Fitzpatrick	 Bob Micheel
 Angie Tornes	 Marty Melchoir
 RIVER ALLIANCE of Wisconsin Lori Grant	 John Kisiel
 Todd Welk	 Doug Wadsworth
 Paul Kent	 Jeff Christensen
	 Tom Larson

Rule Purpose

- Account for the diversity of streams across the state and their environmental health.
- Balance the reasonable right of riparians to control erosion with the public rights to navigation, recreation, fish and wildlife habitat, water quality and natural scenic beauty in navigable waters under Wisconsin law.
- Establish general permits for streams and locations where excessive bank erosion contributes to degradation of stream health.
- Allow individual review (individual permit) for projects on healthier streams.



Scientific Rationale

Cumulatively, Traditional Structures Can Harm Habitat

- > Loss of large woody cover
- > Loss of habitat diversity
- > Loss of riparian vegetation
- > Channel alteration
- > Increased sediment during construction.



Scientific Rationale

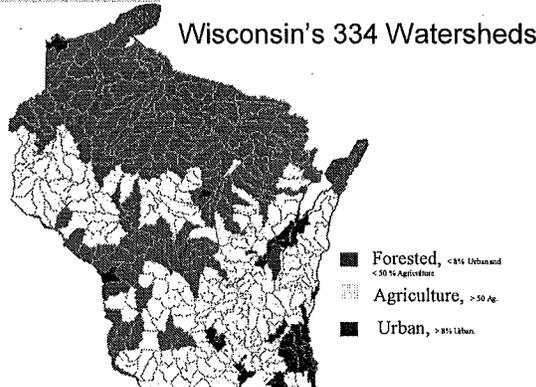
Watershed Concept

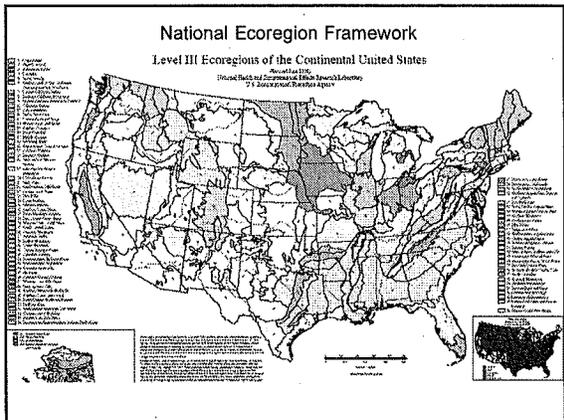
- What we do to the watershed strongly affects the quality of its water resources.

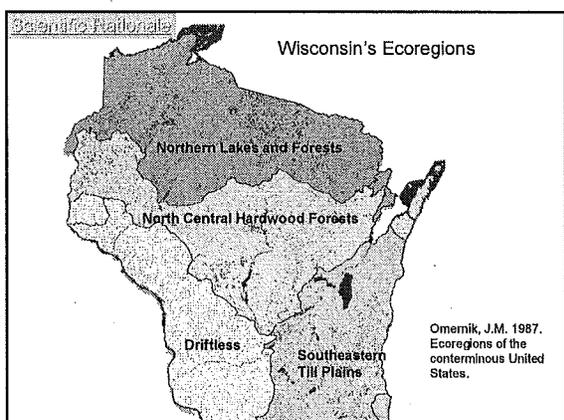


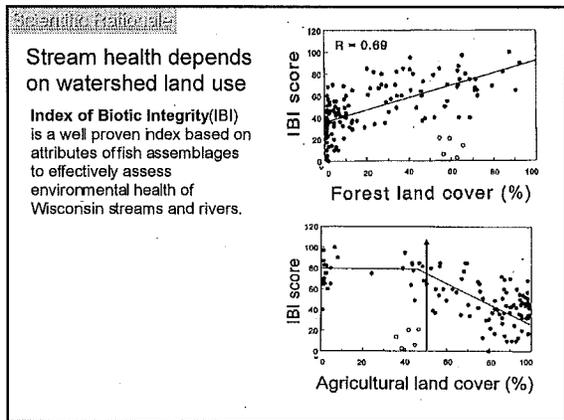
Scientific Rationale

Wisconsin's 334 Watersheds





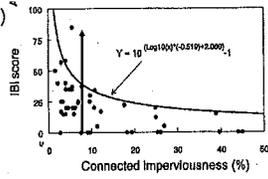




Scientific Plateau

Index of Biotic Integrity (IBI)

Urban watersheds with > 8% imperviousness show significant declines in stream health.



Scientific Plateau

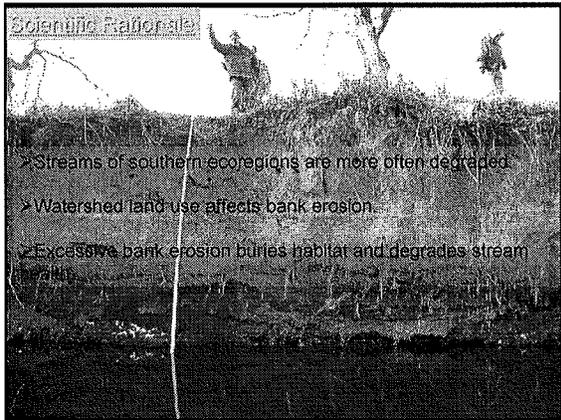


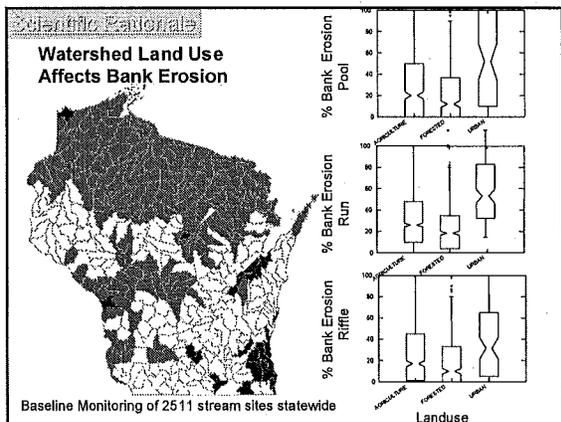
Scientific Plateau

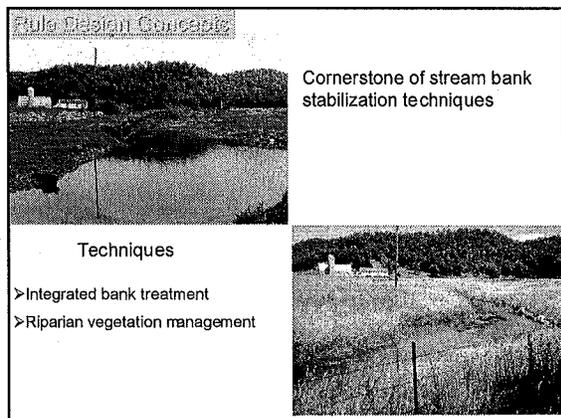
> Northern Ecoregions harbor the State's Reservoir of Healthy Streams (healthy habitat on 86-94% of NLF Streams).

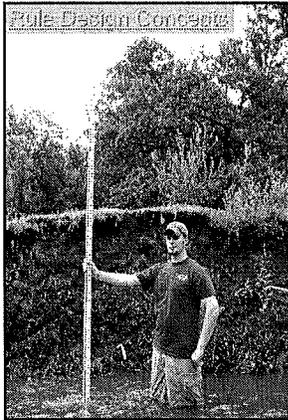
- > Good habitat
- > Diverse substrates
- > Fewer bank erosion problems











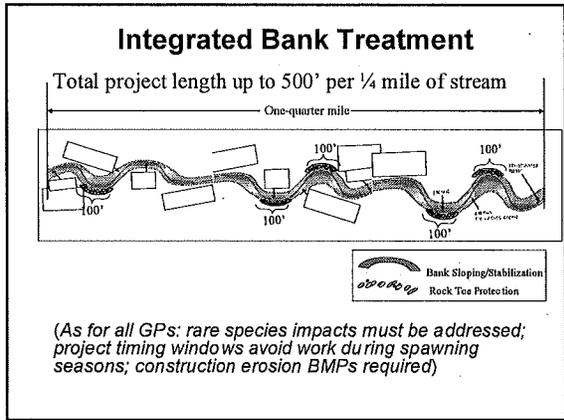
Integrated Bank Stabilization GP based on Bank Erosion Potential Index (BEPI).

- Bank material
- Degree of channel incision (bank height/OHWM height)
- Bank slope
- Bank layering
- Bank vegetation
- Deepest water (thalweg) location
- Hydraulic structures



BEPI

- BEPI not required for biostabilization GP's
- For integrated bank treatment GP's, BEPI ≥ 20 or above



General Permit

- If location and design standards are met project is eligible
- Decision delivered 30 days after application received
- Fee is \$50

Individual Permit

- Any design may be proposed
- Site inspection and review potential impacts
- Newspaper notice with 30-day comment period
- Fee is \$500

