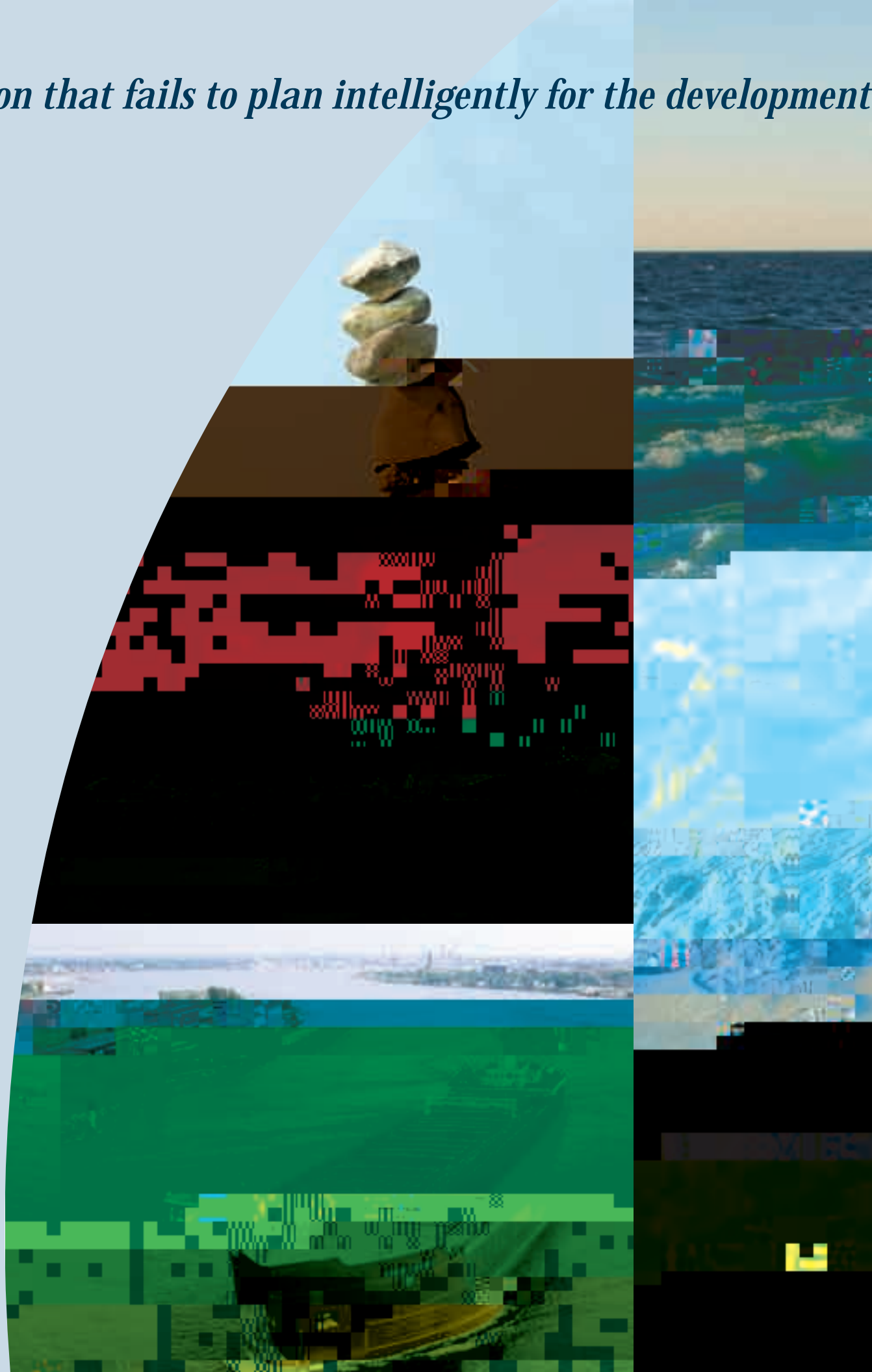
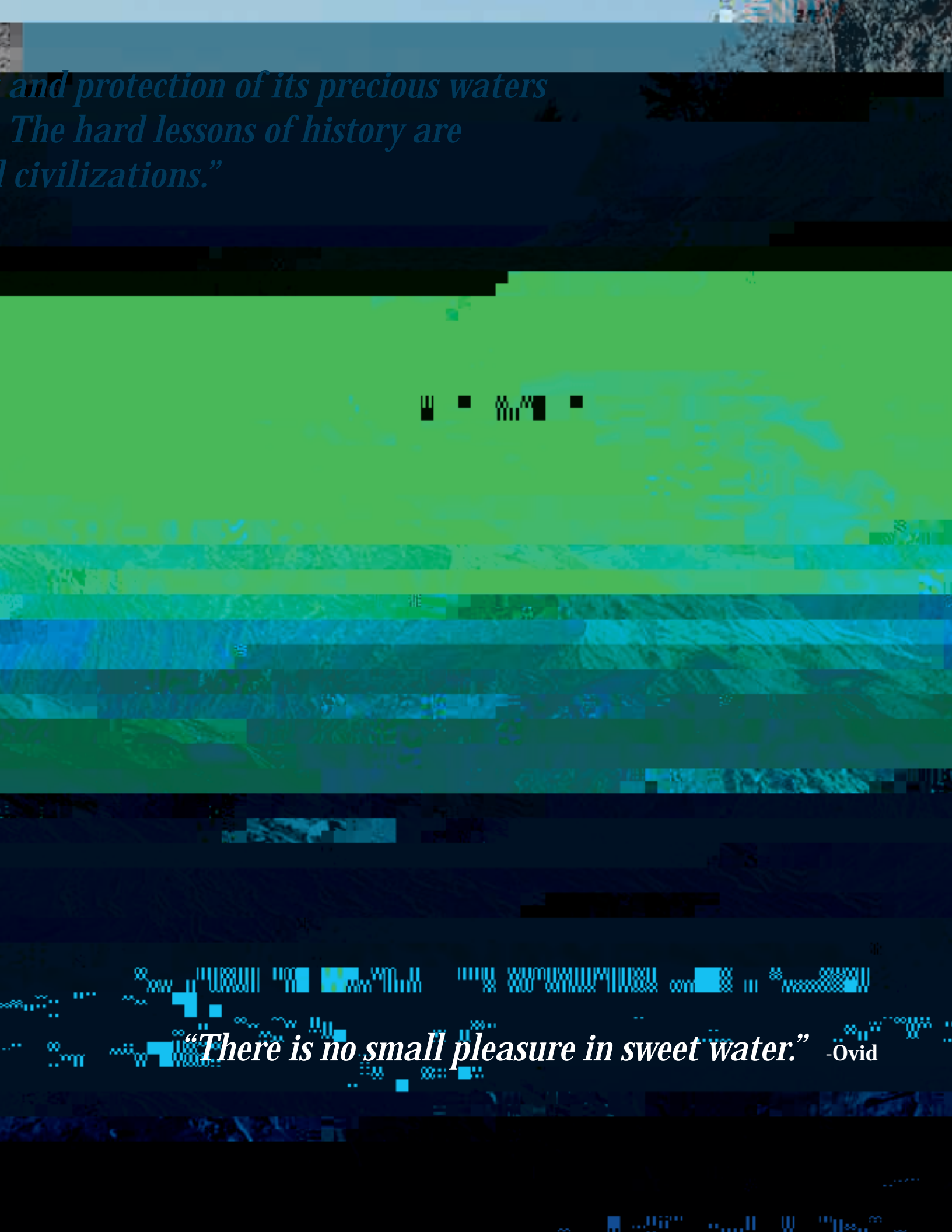




*“A nation that fails to plan intelligently for the development*





*and protection of its precious waters  
The hard lessons of history are  
civilizations.”*

*“There is no small pleasure in sweet water.” -Ovid*



## Fifty Years and Counting

The year 2005 marked the 50th anniversary of the Great Lakes Commission and of half a century of

By any measure, 2005 was a landmark year from the perspective of the Great Lakes Commission. First of all, we celebrated our 50th anniversary of service to our member states and the region as a whole. That's a significant achievement for any organization and one we can take pride in.

More importantly, 2005 was the year our entire region celebrated two major achievements in Great Lakes policymaking. First, the Great Lakes Regional Collaboration was convened and produced a comprehensive strategy to restore and protect the Great Lakes – something the Commission participated in and has long advocated. The year also saw the completion and approval, by the Great Lakes governors and premiers, of the Annex 2001 Implementing Agreements to protect the region's waters against overuse – again, an issue area the Commission has long been involved with.

With the Annex agreements, we now have the tools at hand to help us protect the waters of the Great Lakes basin. History is replete with examples of seemingly endless natural resources that were rapidly depleted once strong demand set in. Though few believe we could ever tap the Great Lakes dry, they could be significantly transformed by the drop of a few feet in their water levels. The Annex agreements offer us a way to guard against that possibility by establishing reasonable protections now before problems develop.

For many years, the Great Lakes Commission has been calling for our region to come together and form a consensus on a broad-ranging strategy to protect and restore the Great Lakes. Thanks to

# 2005 Board of Directors

**Chair**  
**Thomas Huntley**  
Minnesota

Chair Thomas Huntley, Ph.D., is a Minnesota state representative and an associate professor of biochemistry and molecular biology at the School of Medicine and Department of Chemistry at the University of Minnesota, Duluth. He also is director of institutional relations for the School of Medicine.

**Vice Chair**  
**John Cherry**  
Michigan

Michigan Lt. Gov. John Cherry is vice chair of the Great Lakes Commission. With more than 20 years of service in the Michigan legislature as a state representative and senator, including the post of Senate Minority Leader, he has authored and co-sponsored several milestone laws dealing with environmental protection and conservation. He was named 2005 Conservationist of the Year by the Michigan United Conservation Clubs.

**Immediate Past Chair**  
**Samuel Speck**  
Ohio

Immediate Past Chair Sam Speck, Ph.D., is director of the Ohio Department of Natural Resources. He is chair of the Council of Great Lakes Governor's Water Management Working Group, which developed the Annex 2001 Implementing Agreements, recently signed by the Great Lakes governors and premiers. He also served as associate director of the Federal Emergency Management Agency under President Ronald Reagan.

**Patrick Quinn**  
Illinois

Illinois Lt. Gov. Pat Quinn has served the people of Illinois, both as citizen and public official, for more than 25 years. A long-time consumer advocate, he spearheaded the 1983 drive to create the Citizens Utility Board and was elected Illinois State Treasurer in 1990. As lieutenant governor, he has taken a strong interest in supporting regional tourism, including the Great Lakes Circle Tour, and chairs the Illinois River Coordinating Council and the Illinois Green Government Coordinating Council.

**Kyle Hupfer**  
Indiana

Kyle Hupfer is director of the Indiana Department of Natural Resources. A native Hoosier outdoorsman and hunter, he understands that our natural, historical and cultural resources represent some of the most significant assets available to all of us. He specialized in corporate law as a partner in the Indianapolis law firm of Ice Miller and brings to his post both a business sense and love of the outdoors.

**Ken DeBeaussaert**  
Michigan

Ken DeBeaussaert is director of the Michigan Office of the Great Lakes, Department of Environmental Quality. A member of Gov. Jennifer Granholm's cabinet, he also serves on the board of directors of the Great Lakes Protection Fund and the Water Quality Board of the International Joint Commission. A former state legislator, this is his second appointment to the Commission, where he previously served as vice chair.

Denise Sheehan is Commissioner of the New York State Department of Environmental Conservation. She began her service with NYSDEC in 1998, overseeing implementation of the Clean Water/Clean Air Bond Act, and later became executive deputy commissioner. She also spent 11 years with the NYS Division of the Budget, where she was responsible for overseeing the budgets of the state's environmental, recreational and energy agencies.

**Denise  
Sheehan**  
New York

Bill Carr is Western Hemisphere team leader, Office of International Relations & Protocol, Ontario Ministry of Intergovernmental Affairs. A former senior policy adviser and policy analyst in that office and at the Ministry of the Environment, his background is in the development and analysis of policy options on issues affecting international relations. He played an active role in the negotiations leading to the Great Lakes Charter Annex Implementing Agreements.

**William Carr**  
Ontario

Cathy Curran Myers is deputy secretary for water management with the Pennsylvania Department of Environmental Protection, where she is responsible for the protection of surface and groundwater and drinking water supplies, and represents the commonwealth on seven major interstate river or lake basin commissions. She brings to public policymaking more than 25 years of environmental law practice, split evenly between environmental agency counseling and private practice.

**Cathy Curran  
Myers**  
Pennsylvania

Michel Lafleur is the Québec Government representative of the Québec Delegation in Chicago, which seeks to broaden the institutional, economic, academic and cultural links between Québec and the 12 Midwest states. An economist by training, he has considerable experience in economics and international business, including serving as director of economic affairs at the Québec delegations in Brussels, Belgium, and Boston, Mass. He also led a team at the Québec Ministry of Finance.

**Michel Lafleur**  
Québec

Todd Ambs is administrator of the Division of Water, Wisconsin Department of Natural

**Todd Ambs**  
Wisconsin







## Who We Are

The Great Lakes Commission was established in 1955 with a mandate to “promote the orderly, integrated and comprehensive development, use and conservation of the water resources of the Great Lakes basin.”

A number of major regional initiatives focusing on the Great Lakes were taking place in 2005, with ramifications for the Great Lakes Commission and its work. These activities illustrate some of the major challenges currently facing the Great Lakes and play a considerable role in setting the regional agenda, thereby establishing the issues the Commission and its partners will be addressing. The following are four of the most significant examples from 2005.

### ***Great Lakes Regional Collaboration***

This initiative, responding to an executive order by President Bush, brought together more than 1,500 Great Lakes experts and stakeholders to identify the most critical needs facing the Great Lakes. The result, the Great Lakes Strategy, outlines a comprehensive restoration plan organized around eight issue areas corresponding to priorities established by the governors. See the special supplement beginning on the opposite page. -

### ***Great Lakes Water Management***

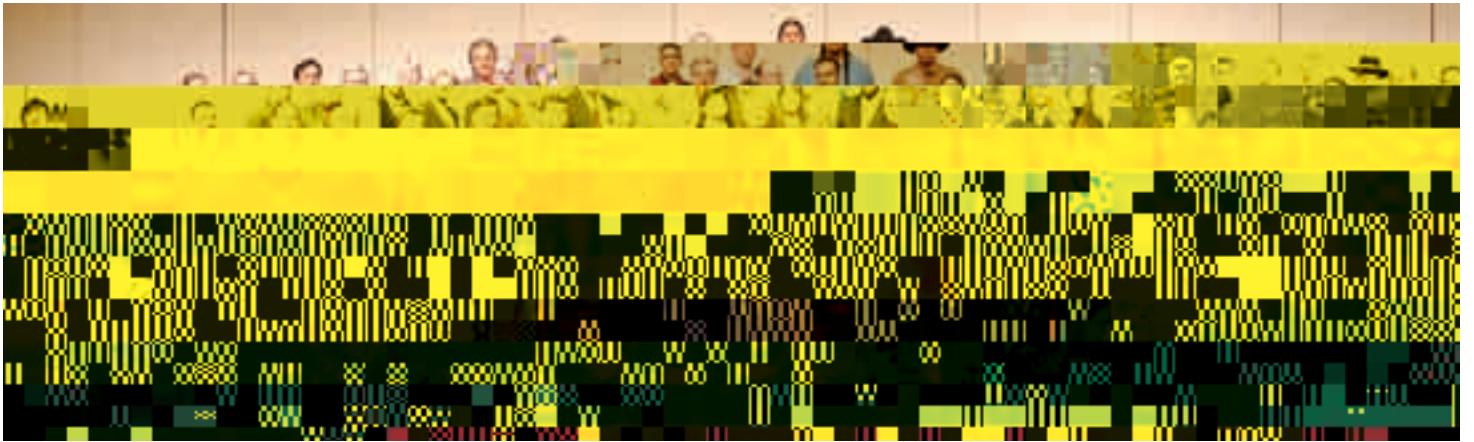
A major step toward preserving the waters of the Great Lakes basin for future generations was the completion of the Annex 2001 Implementing Agreements, including the signing of the Sustainable Water

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# GLRC







Implementation of a “risk-based approach” to manage recreational water;  
Protection of drinking water sources; and

C

This special supplement to the Great Lakes Commission 2005 Annual Report is published as a service to the region in order to raise awareness of and build support for the strategy recommendations of the Great Lakes Regional Collaboration. The Great Lakes Commission played a number of supporting roles with the GLRC and in the development of the Great Lakes Strategy. Commissioners or staff co-chaired four of the eight strategy teams, and Commission staff participated on all eight, providing technical support, and drafting and reviewing language, among other roles. The Commission also developed and operated, on behalf of U.S. EPA, the GLRC web site – where the draft and final reports were posted and public comments accepted – as well as a series of online discussion forums for the use of the eight strategy teams.

GLRC Strategy Teams with co-chairs affiliated with the Great Lakes Commission were: 1) Aquatic Invasive Species – Commis-

For additional information contact:  
Great Lakes Commission  
2805 S. Industrial Hwy., Suite 100  
Ann Arbor, MI 48104  
Phone: 734-971-9135  
Fax: 734-971-9150  
[www.glc.org](http://www.glc.org)



# Program Areas

The Data and Information Management Program promotes the development and application of decision

The Environmental Quality Program supports efforts to restore beneficial uses in Great Lakes Areas of Concern (AOCs) and other degraded areas; strengthen environmental monitoring programs; improve management of coastal wetlands; and protect high-quality areas. Program staff employ cutting-edge information technologies to advance project goals, and leverage and coordinate the resources and expertise of public agencies and other stakeholders to achieve a healthy and sustainable Great Lakes ecosystem. Program manager: Matt Doss, [mdoss@glc.org](mailto:mdoss@glc.org)

The Regional Coordination Program carries out the Commission's mandate for regional advocacy as embodied in its enabling legislation, the Great Lakes Basin Compact. This includes building consensus among members; forming coalitions with regional, national and international partners; and presenting recommendations to regional and national leadership. Program staff have considerable experience in shaping legislation, analyzing policy and bringing critical regional issues to the attention of elected officials and other decisionmakers. Program manager: Jon MacDonagh-Dumler, [jonmacd@glc.org](mailto:jonmacd@glc.org)

The Resource Management Program promotes the sustainable use, management and protection of the natural resources of the Great Lakes-St. Lawrence system through a variety of projects and regional services. Major focus areas include invasive species, water resources management and soil erosion and sedimentation. Program efforts are aimed at identifying regional priorities, developing policy, conducting and coordinating research, and sharing information on a broad range of initiatives, in collaboration with scores of project partners throughout the public and private sectors. Program manager: Tom Crane, [tcrane@glc.org](mailto:tcrane@glc.org)

## *Transportation and Sustainable Development*

The Transportation and Sustainable Development Program focuses on economic activity in the Great Lakes region and its relationship to the environment. Primary areas of interest are maritime transportation, recreational boating, and land use and conservation, all pursued under the guiding principles of sustainable development. Program staff have extensive experience in Great Lakes policy development and maritime issues, and wide-ranging contacts with the region's maritime, policy and natural resource communities. Program manager: Dave Knight, [dknight@glc.org](mailto:dknight@glc.org); associate program manager: Victoria Pebbles, [vpebbles@glc.org](mailto:vpebbles@glc.org)

The Great Lakes Commission undertakes a wide range of activities in pursuing its vision of a prosperous economy, healthy environment and a high quality of life for residents of the Great Lakes-St. Lawrence region. Though many of these may seem unrelated at first glance, all focus on promoting the health and sustainable use of the region's water and natural resources. Some of the Commission's major areas of endeavor are described below as a broad overview of its work; a more detailed list of projects follows on pages 14-15.

### ***Advocacy***

Among the Commission's principal roles is to serve as an advocate for the region, identifying and recommending policies, laws and regulations related to the use and conservation of the water resources of the Great Lakes basin. One of the Commission's most visible activities in this area is co-sponsoring, along with the Northeast-Midwest Institute, the annual Great Lakes Day in Washington, which brings together members of Congress, regional leaders, stakeholders and others to address matters of Great Lakes policy. The Commission also produces, on behalf of its member states, an annual compilation of regional legislative and appropriations priorities for presentation to Congress; regularly communicates with members of Congress through letters, congressional briefings and submitting testimony to committees; and participates in conferences, strategy sessions, briefings and similar events with other Great Lakes interests to discuss and build consensus on policy issues.

### ***Aquatic Invasive Species***

The Great Lakes Commission provides operational support for the Great Lakes Panel on Aquatic Nuisance Species, established by Congress to advance regional coordination on aquatic invasive species (AIS) prevention and control. Commission staff worked closely with the Panel in developing an outreach strategy document; a full-color educational brochure for release in 2006; a priority list of invasive species for further research; and a set of draft guidelines to formalize Panel operations. In addition, Commission staff are collaborating with state Sea Grant programs to assist Great Lakes states in developing and implementing AIS management plans through a series of workshops.

### ***GLIN and Regional Data Exchange (RDX)***





[www.glc.org/landuse](http://www.glc.org/landuse)  
Contact: Victoria Pebbles,  
vpebbles@glc.org

### ***Land Use***

The loss of greenfields and open spaces to sprawl while older urban areas decay and are abandoned is not only wasteful, but also has negative economic, social and environmental consequences. With an underlying theme of linking urban revitalization and open space protection, the Commission's Land Use Policy Roundtable Series was established to support state efforts to develop sustainable land use strategies and encourage a regional approach to land use. Three roundtables, tailored to meet individual state needs, were held in 2005 in Ohio, Wisconsin and Pennsylvania, with others to follow. The U.S. EPA-funded series grew out of a 2001 Commission report, which outlined a suite of 32 regional strategies to promote sustainable land use.

Contact: Dave Knight,  
dknight@glc.org

### ***Maritime***

Support of an economically viable and environmentally responsible marine transportation system has been a priority for the Great Lakes Commission since its creation in 1955. In 2005, the Commission continued its work to identify and promote the environmental advantages of the marine transportation mode through modal shift research. Other efforts focused on the safety and reliability of the Great Lakes-St. Lawrence Seaway system through infrastructure maintenance and improvement, such as the Soo Lock replacement project and the Great Lakes Dredging Team; enhanced navigation aids, such as the Great Lakes Observing System; and assessing the technical needs of ports and harbors through a new partnership with the NOAA Coastal Services Center. The Commission also neared completion of a first-ever study identifying the economic benefits of recreational boating, and initiated efforts to work with a number of partners in "branding" and marketing Great Lakes coastal tourism.

[www.glc.org/monitoring](http://www.glc.org/monitoring)  
Contact: Ric Lawson,  
rlawson@glc.org or  
Jon Dettling, dettling@glc.org

### ***Monitoring***

The Great Lakes Commission engages in a variety of activities to coordinate monitoring efforts and consolidate environmental data collected across the Great Lakes basin. Major activities in 2005 included the Great Lakes Monitoring Inventory and Gap Analysis, a comprehensive report on more than 600 monitoring programs; undertaking management of the Michigan Clean Water Corps, a state program utilizing the efforts of volunteer water quality monitoring groups; and managing the Great Lakes Air Deposition (GLAD) program, which sponsors research on atmospheric sources of toxic substances. The Commission also compiles the Great Lakes Air Toxic Emissions Inventory and provides staff support for the Great Lakes Coastal Wetlands Consortium, which is coordinating the binational development of a long-term monitoring program for Great Lakes coastal wetlands, and the Lake Michigan Monitoring Coordination Council.

[www.glc.org/basin](http://www.glc.org/basin)  
Contact: Gary Overmier,  
garyo@glc.org

### ***Soil Erosion and Sediment Control***

The Great Lakes Basin Program for Soil Erosion and Sediment Control works to benefit water quality by reducing soil erosion and sedimentation through grants, information and education efforts, and providing professional assistance to state and local partners. Now in its 16th year, the program awarded a total of 39 new grants in 2005, totaling almost \$2.2 million, for local sediment and erosion control projects and education programs. Funding is provided by the U.S. Department of Agriculture Natural Resources Conservation Service. Other activities included publication of the *Keeping It On the Land* newsletter and initiating the "Building Awareness" campaign using a variety of media tools to raise public awareness of the damages caused by erosion and sedimentation.

The following is a summary of projects the Great Lakes Commission took part in during 2005, either in a leading or a supporting role. Nearly all Commission projects are conducted in collaboration with other partners and funders, but space limitations prevent them all from being listed here. The abbreviations below are used to indicate the range of participation in each project; a full list of funders is on page 19.

### **Partners and funders:**

F = Federal

S = State

L = Local

P = Provincial

C = Canadian federal

N/p = Nongovernmental/private

U = University

**“ANS Update:”** Produce newsletter covering the activities of the Great Lakes Panel on Aquatic Nuisance Species (ANS), state and federal programmatic updates, and emerging regional ANS issues.

[www.glc.org/ans/ansupdate](http://www.glc.org/ans/ansupdate) (F, S, P, C)

**Areas of Concern (AOCs):** Assist federal, state and local

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**Inland Sensitivity Atlas:** Produce digital maps detailing major pipelines and other transportation features, potential spill sources, water intakes and sensitive natural areas for use in responding to and preparing for hazardous spills and other emergencies. [www.glc.org/spills](http://www.glc.org/spills) (F)

**Lake Erie Habitat Map Project:** Collaborate with binational partners to classify and map Lake Erie basin habitat boundaries through a pilot initiative. (F, S, P, C, N/p)

**Lake Michigan Monitoring Coordination Council (LMMCC):** Work with monitoring agencies and organizations in the Lake Michigan basin to develop coordinated monitoring protocols and collaborative efforts. (F, S, L, N/p, U)

**Lake Michigan Tributary Monitoring:** Coordinate state and federal agencies in monitoring pollutants in Lake Michigan tributaries in order to update loading estimates from the LMMCC's Lake Michigan Mass Balance Project. [www.glc.org/monitoring/lakemich](http://www.glc.org/monitoring/lakemich) (F, S, U)

**Lake Ontario St. Lawrence River Study:** Produce information management tools for use in large-scale study of Lake Ontario and the St. Lawrence River and adjacent ecosystems. <http://mids.glc.org/loslrs> (F, S, L, P, C)

**Land Use Roundtable Series:** Support ongoing series of state roundtables designed to encourage sustainable land use policies in the region. [www.glc.org/landuse](http://www.glc.org/landuse) (F, S, L, N/p, U)

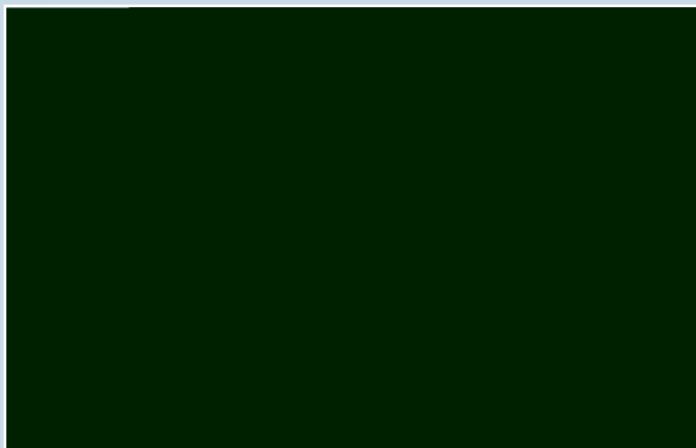
**Marsh Monitoring in Areas of Concern:** Coordinate and enhance marsh monitoring in U.S. Areas of Concern and helping establish indicators to measure progress of fish and wildlife restoration efforts. (F, N/p)

**Michigan Clean Water Corps (MiCorps):** Serve as ongoing coordinator of volunteer stream and lake monitoring programs for the state of Michigan, along with several state, university and nongovernmental partners. [www.micorps.net](http://www.micorps.net) (S, N/p, U)

**Michigan Statewide Public Advisory Council (SPAC):** Provide technical guidance, communications and staff support to a statewide coalition of community-based advisory councils that advance the restoration of beneficial uses in the AOCs. [www.glc.org/spac](http://www.glc.org/spac) (S, N/p)

**Modal Shift Study:** Update 1993 Commission report on the safety, energy and environmental implications of shifting from land-based to maritime modes of transportation. (N/p)

**Recreational Boating Study:** Conduct a comprehensive analysis of the total economic impact of recreational boating to the eight Great Lakes states. (F, U)



**Regional Data Exchange:** Organize workshop series and biennial conference to promote data exchange standards and collaboration in the Great Lakes region. [www.rdx.glc.org](http://www.rdx.glc.org) (F, S, P, C, U)

**Regional Needs Assessment:** Examine regional needs in the areas of ports and navigation, coastal community development, and the integration and distribution of related data. (F, S, L, P, N/p, U)

**Regional Toxic Air Emissions Inventory:** Assemble periodic inventories of releases of toxic substances to the region's air, using data supplied by the Great Lakes states and Ontario. [www.glc.org/air](http://www.glc.org/air) (F, S, P)

**“Restructuring Marine Transportation: A Global Overview of Sustainable Development:”** Produce English translation of recent report sponsored by the Québec Transport Ministry. (P)

**Soo Lock Replacement Project:** Serve as nonfederal sponsor and agent for the eight Great Lakes states in apportioning and managing the nonfederal cost share for a second large lock on the St. Marys River. [www.glc.org/soo](http://www.glc.org/soo) (F, S)

**State AIS Management Plan Workshops:** Collaborate with state Sea Grant programs to assist the states in advancing the development and implementation of state AIS management plans. (F, S, L, U)

**Submerged Lands Management:** Compile survey results on state policies and programs for submerged lands management and application of the public trust doctrine. (S)

**The Education And Curriculum Homesite (TEACH):** Redesign educational web site to include new fishery education resources, a Teachers' Corner, reviews of teaching materials, sample lesson plans and a discussion forum. [www.teach.glin.net](http://www.teach.glin.net) (F, S, U)

The Great Lakes Commission concluded FY2005 in sound financial condition, with operating revenues of \$5.86 million.

Expenses exceeded revenues by \$22,334, or less than 0.004 percent. This was due primarily to higher than anticipated commitments for the nonfederal match component for restricted projects. The excess of expenses over revenues were covered by the Great Lakes Commission reserve funds.

These figures were confirmed by an independent audit, which is conducted each year to examine the Commission's financial operations related to the reporting of revenues, expenses, changes in net assets and cash flows for the fiscal year, which ends June 30.

Overall, the Commission continues to effectively manage its general and restricted fund revenues to achieve the goals and objectives of the organization.

### **Revenues**

Grants and contracts  
State contributions  
Meetings, publications and misc.  
Interest income  
**Total**

### **Expenses**

Grants and contracts

# 2005 Commissioners and Alternates

Delegation chairs are in **bold**.

## Illinois

**Lt. Gov. Patrick Quinn**

Rita Athas, Office of the Mayor, City of Chicago  
Joel Bruns vold, Illinois Dept. of Natural Resources  
Jack Lavin, Dept. of Commerce and Economic Opportunity  
Douglas P. Scott, Gov. Appointee

## Alternates

Gary Clark, Illinois Dept. of Natural Resources  
Dan Injerd, Illinois Dept. of Natural Resources  
Katie McClain, Office of Lieutenant Governor

## Indiana

**Kyle Hupfer, Indiana Dept. of Natural Resources**

Thomas W. Easterly, Indiana Dept. of Environmental Management  
Ron McAhrn, Indiana Dept. of Natural Resources  
Peter McCarthy, Indiana's Intl. Port/Burns Harbor at Portage (*retired*)  
Ray Sierra, Intl. Longshoremen's Assoc.

## Michigan

**Ken DeBeaussaert, Michigan Dept. of Environmental Quality**

Hon. Patricia Birkholz, State Senator  
Lt. Gov. John Cherry, Jr.  
Hon. Mike Cox, Attorney General  
Curtis Hertel, Detroit/Wayne County Port Authority

## Alternate

Michael Leffler, Asst. Attorney General

## Observers

Canadian Embassy, Sheila Tooze  
Chippewa Ottawa Resource Authority, Mike Ripley  
Coastal States Organization, Katherine Andrews  
Great Lakes Fishery Commission, Christopher Goddard  
Great Lakes Sea Grant Network, Donald Scavia  
International Joint Commission, Karen Vignostad  
Maritime Administration, Great Lakes Region, Doris Bautch  
National Association of Conservation Districts, Tom Middleton

## Minnesota

**Hon. Thomas Huntley, State Representative**

Hon. Cal Larson, State Senator  
Ed Oliver, Gov. Appointee  
Hon. Ann Rest, State Senator  
Hon. Barb Sykora, State Representative

## Alternates

Henry Hanka, National Scenic Byways Resource Center  
Hon. Sheila Kiscaden, State Senator

## New York

**Denise Sheehan, New York State Dept. of Environmental Conservation**

Tom McAuslan, Port of Oswego Authority  
John Francis O'Mara, Gov. Appointee

## Alternates

Gerald Mikol, New York State Dept. of Environmental Conservation  
Donald Zelazny, New York State Dept. of Environmental Conservation

## Ohio

**Samuel Speck, Ohio Dept. of Natural Resources**

Joseph P. Koncelik, Ohio Environmental Protection Agency  
Hon. Chris Redfern, State Representative  
Hon. Robert F. Spada, State Senator  
James Weakley, Lake Carriers' Assoc.

## Alternates

John Baker, Intl. Longshoremen's Assoc.  
Michele Hoffer, Ohio Dept. of Natural Resources  
Ed Hammett, Ohio Lake Erie Office

## Ontario

**William Carr, Ministry of Intergovernmental Affairs**

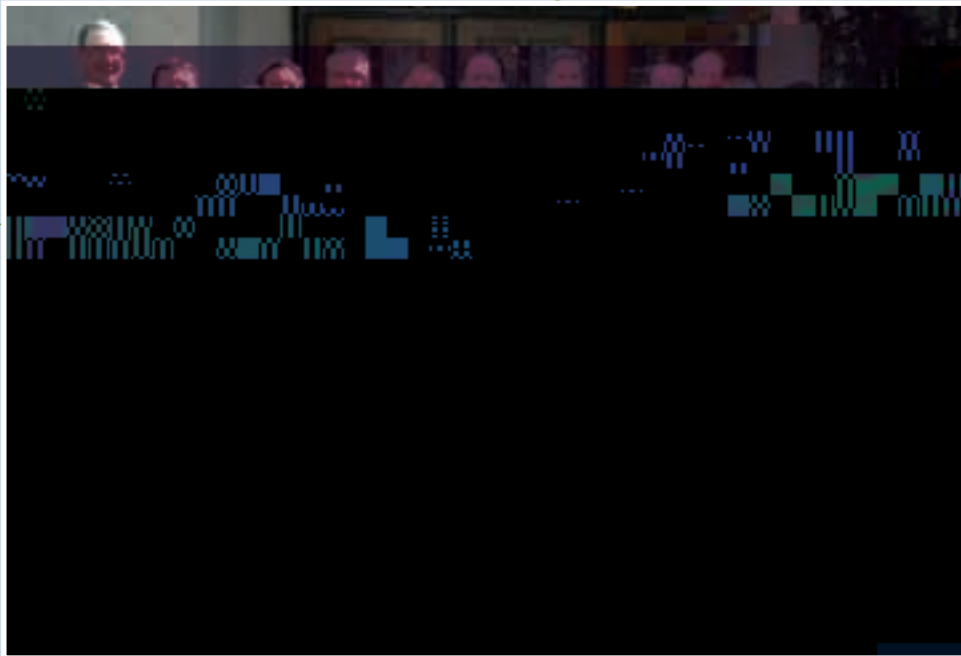
David de Launay, Ministry of Natural Resources  
David O'Toole, Ministry of Transportation

## Alternates

Council of Great Lakes Governors, David Naftzger  
U.S. Department of Agriculture, Bill Hunt  
U.S. Dept. of Energy, Patrick Wilkey  
U.S. Environmental Protection Agency, Great Lakes National Program Office, Gary Gulezian  
U.S. Geological Survey, Jim Nicholas  
U.S. Geological Survey, Great Lakes Science Center, Leon Carl

National Oceanic and Atmospheric Administration (NOAA), Great Lakes Environmental Research Laboratory, Stephen Brandt  
NOAA Office of Ocean and Coastal Resource Management, Eldon Hout  
National Park Service, Gary Vequist  
Ninth Coast Guard District, Radm. Robert Papp Jr.  
St. Lawrence Seaway Development Corp., Albert Jacques  
U.S. Army Corps of Engineers, Jan Miller

# Commission Staff



**Row 1 (front, left to right):** Kevin Yam, Al Ballert, Pat Gable, Gary Overmier, Lisa Butch, Marcia Woodburn, Eirin Krane  
• **Row 2:** Jon MacDonagh-Dumler, Kirk Haverkamp, Becky Lameka, Christine Manninen, Hao Zhuang, Hugh Brennan  
• **Row 3:** Tom Crane, Ric Lawson, Kathe Glassner-Shwayder, Roger Gauthier, Victoria Pebbles, Elizabeth Schmidt, Pete Giencke, Stuart Eddy • **Row 4:** Mike Schneider, Dave Knight, Ron Hasselbring, Richard Garcia, Matt Doss, Jon Dettling, John Hummer • **Not Pictured:** Ken Anderson, Luke Forrest, Shannon Glutting, Elaine Sterrett Isely, Laura Kaminski, Chris Kuzak, Kyle Mulka, Devra Polack, Marilyn Ratliff, Rita Straith, and Anne Sturm.  
**Photo credit:** Ted Lawrence, 2004-2005 Great Lakes Commission–Sea Grant Fellow.

## Interim Executive Director

Thomas R. Crane

## Program Managers

**Communications and Internet Technology:**  
Christine Manninen

**Data and Information Management:**  
Roger Gauthier

**Environmental Quality:** Matt Doss

**Regional Coordination:**  
Jon MacDonagh-Dumler, Ph.D.

**Resource Management:** Tom Crane

**Transportation and Sustainable Development:** Dave Knight, Victoria Pebbles (Associate)

## Project Managers

Stuart Eddy, Kathe Glassner-Shwayder, Ric Lawson, Gary Overmier, Kevin Yam

## Program Specialists

Hugh Brennan, Jon Dettling



# Funders and E



our vision