

494474



Gouvernement du Québec
Secrétariat à la mise en
valeur du Saint-Laurent

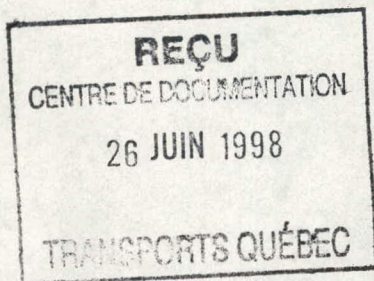
MINISTÈRE DES TRANSPORTS
DIRECTION DE L'OBSERVATOIRE EN TRANSPORT
SERVICE DE L'INNOVATION ET DE LA DOCUMENTATION
700, Boul. René-Lévesque Est, 21^e étage
Québec (Québec) G1R 5H1

RAPPORT DE MISSION

Participation à la réunion semi-annuelle
de la Commission des Grands Lacs

Milwaukee, au Wisconsin, 22-23 mars 1995

Léonce Naud



Secrétariat à la mise en valeur du Saint-Laurent
18 septembre 1995

CANQ
TR
STUUSL
105
1995

385, Grande-Allée est
Québec (Québec)
G1R 2H8

Tél.: (418) 643-7788
Télex: 0513733
Fax: (418) 646-9959



494474

NOTES

REQU
CENTRE DE DOCUMENTATION

26 JUIN 1998

En octobre 1994, au nom du Gouvernement, le ministre Bernard Landry invitait la Commission à tenir sa réunion annuelle 1995, qui correspond avec le 40^e anniversaire de sa création, à Québec. La Commission a accepté l'invitation et a tenu sa réunion à Québec du 6 au 8 septembre. La Commission avait déjà tenu sa réunion annuelle dans la Capitale en 1983, alors que M. Landry était aussi en poste et que l'actuel ambassadeur des États-Unis à Ottawa, M. Blanchard, était président de la Commission.

La présence du Secrétariat à Milwaukee avait essentiellement pour but de renouer le contact avec les membres de la Commission - après une absence de plusieurs années - et à signifier sur place la bienvenue à Québec pour la réunion suivante.

La Commission des Grands Lacs

La Commission des Grands Lacs se définit comme le regroupement des huit États américains riverains qui en sont les membres et qui y sont majoritairement représentés par des hauts-fonctionnaires. Le Québec et l'Ontario y sont présents avec un statut d'observateur. Le Québec y est représenté par le délégué à Chicago, Michel Roy.

La Commission est un réseau américain de haut niveau dont les ramifications et l'influence s'étendent jusqu'à Washington et avec lequel le Québec entretient des relations cordiales et suivies depuis plus de quinze ans, surtout par l'intermédiaire du Secrétariat à la mise en valeur du Saint-Laurent. Ces relations avec un organisme américain de coopération régionale contribuent certainement au maintien de la sérénité des milieux politiques et économiques du Midwest par rapport à l'évolution politique du Québec.

D'autre part, l'axe de transport Saint-Laurent Grands Lacs qui, pour le Midwest, constitue une importante liaison maritime avec les marchés mondiaux, se situe au centre des préoccupations de la Commission, laquelle s'intéresse de très près aux politiques canadiennes et québécoises de transport maritime sur le fleuve.

Dans le contexte politique actuel, il est majeur que le Québec s'affirme comme un partenaire présent, sérieux et intéressé. C'est d'ailleurs dans cet esprit que le Premier ministre Parizeau signait récemment un article dans Seaway Review et qui traite de la voie maritime dans la perspective d'un Québec souverain. Seaway Review touche différents aspects du monde maritime mais ce n'est pas une publication de la Commission. (Cf. document joint).

Documents joints:

- Article du Premier ministre dans Seaway Review
- Compte rendu officiel de la réunion de Milwaukee
- Liste des participants
- Plan stratégique de la Commission
- Membres de la Commission, observateurs, membres des divers groupes de travail
- Lois constitutives de la Commission

There is nothing to fear—and perhaps something to gain—from a sovereign Quebec

By JACQUES PARIZEAU
PRIME MINISTER
PROVINCE OF QUEBEC



Seaway Review,
Septembre 1995.

Seaway Review wrote in 1983 that "the ports of Quebec are as much part of the Seaway as the ports of Ontario, or the U.S. Great Lakes states." This was a way of saying that the half natural, half man-made asset we share has been from its inception and will continue in the foreseeable future to be an essential component of a huge economic region whose constituents, for geographical and historical reasons, are bound to work and trade together.

From time to time, the prospect of a sovereign Quebec has raised the question of a possible tri-national Seaway. In January 1993, *Seaway Review* surveyed many Canadians and found that the consensus "indicated little likelihood of any major changes in the physical operation of the St. Lawrence Seaway under a separate Quebec."

As Prime Minister of Quebec, I agree entirely.

My colleague and Deputy Prime Minister, Bernard Landry, has put it this way: "Instead of having a bilateral commission to manage the Seaway, we would have a trilateral commission. That's all. You add Quebec to the U.S. and Canada. You divide the burden and the responsibilities, the rights and the privileges proportionately into three parts instead of two. I do not see any complications with regard to the legal issues of ownership. According to law, regulations and international tradition on access to sovereignty, Quebec will assume responsibility for both columns on the balance sheet, negative and positive."

Quebec has supported free trade more enthusiastically than many north of the border and this stance exerts a positive influence on our international trade. Moreover, common sense dictates that it would be to no one's advantage to hamper international commercial shipping or to disrupt in any way the use of the St. Lawrence/Great Lakes route between the heart of North America and the rest of the world. Quebec is well aware that there is keen competition between the Great Lakes/St. Lawrence System, the Atlantic seaboard and the Mississippi waterway to best serve the transportation needs of the industrial Midwest.

We in Quebec, together with most of the governments in the region, have come to realize that we cannot just sit idly and watch the ships sail by. We have to ask ourselves: What can be done to maximize the System's economic advantages in the next 25 years? What possibilities are worth exploring? Can we increase trade and exports to world markets? What can we do to improve the conditions that enhance trade and good relations with our partners? What conditions will make the economic development we all need environmentally sustainable over the long term?

In my view as Prime Minister of Quebec, these are the key questions we should bear in mind as we try to map out the System's next quarter century. Political institutions are modernized from time to time in the natural course of events. Whatever the future holds, Quebec will continue to do its utmost to enhance the dynamism of Seaway trade, as it is now doing through the St. Lawrence Development Secretariat based in Quebec City.

My very best wishes go to *Seaway Review* as it celebrates its 25th Anniversary and continues its proud tradition of service to the Great Lakes/St. Lawrence community. ■

GREAT LAKES COMMISSION
1995 Semi-Annual Meeting
--and Related Events--

March 22-24, 1995
The Pfister Hotel
Milwaukee, Wisconsin

AGENDA

Wednesday, March 22

11:00 a.m.	Registration for Semi-Annual Meeting	Foyer, Grand Ballroom East
1:00 p.m.	Call to Order	Patrick R. Ralston , Chair, Great Lakes Commission
	Welcome from the Wisconsin Delegation ; Highlights of Wisconsin's Great Lakes-related Activities	Nathaniel E. Robinson , Chair, Wisconsin Delegation
	Opening Keynote	The Honorable John Norquist , Mayor, City of Milwaukee
1:30	Report of the Chair ACTIONS: <ul style="list-style-type: none">• Adopt Minutes, 1994 Annual Meeting (see Attachment, "Program" Section)• Welcome to new Commissioners and Observers• Executive Committee Report; Introduction to Strategic Planning Initiative	Patrick R. Ralston
1:45	Report of the Executive Director ACTIONS: <ul style="list-style-type: none">• Presentation of 1994 Annual Report (see handout)• Administrative/Budget/Program Update (See Attachment #1, "Information" Section)• Current Priorities/Items of Special Note• Presentation of Great Lakes Guide and other New Commission Products (see handouts)	Dr. Michael J. Donahue , Executive Director, Great Lakes Commission
2:00	Special Session: Focus on Wisconsin's Great Lakes Activities (See Attachment #2, "Information" Section) <ul style="list-style-type: none">• Remedial Action Plans in Wisconsin: A Milwaukee Estuary Case Study• A Water Quality Case Study: The Cryptosporidium Problem in Milwaukee• Wisconsin's Coastal Management Program; Highlights of Wisconsin's Coastal Related Activities• Maritime Transportation in Wisconsin: Current Issues and Opportunities	Moderator: Nathaniel E. Robinson Marsha Jones , Milwaukee Remedial Action Plan Coordinator, WI Department of Natural Resources Paul Nannis , Commissioner of Health, City of Milwaukee Donald K. Stitt , Chair, Wisconsin Coastal Management Council Ellen Fisher , WI Department of Transportation

3:15 p.m.	Break	
3:45	Looking Back and Looking Forward: the Commission's Strategic Planning Initiative (See Attachment #1, "Action" Section)	Patrick R. Ralston
4:00	Program Committee Meetings Facilitated break-out sessions will be directed at developing goal statements, objectives and strategic actions for each program area. The resultant strategic planning document, featuring a five-year planning horizon, will be presented in final form at the 1995 Annual Meeting/40th Anniversary Celebration.	Resource Mgmt. and Envir. Quality, Kennedy Room Transportation and Economic Dev., Roosevelt Room Communications, McKinley Room Regional Coordination, Taft Room
5:30	Adjourn for Reception, Entertainment and Dinner	The Pfister Hotel (location to be announced at meeting)

Thursday, March 23

7:30 a.m.	Continental Breakfast	Foyer, Kings Row
8:30	Program Committee Reports: Strategic Planning Initiative	Moderator: Patrick R. Ralston
9:30	Special Session: Federal and Regional Priorities for the Great Lakes <ul style="list-style-type: none"> The 104th Congress, the President's Budget, and Implications for the Great Lakes Region (See Attachment #2, "Action" Section) Perspectives and Priorities of the Council of Great Lakes Governors Developing Legislative and Appropriations Priorities for the Great Lakes Commission (See Attachment #3, "Action" Section) 	Moderator: Donald Vonnahme , Vice Chair, Great Lakes Commission Richard Munson , Executive Director, Northeast Midwest Institute Cristena Bach , Executive Director, Council of Great Lakes Governors Michael J. Donahue , Executive Director, Great Lakes Commission
10:30	Break	
10:45	Policy Actions and Information Items <ol style="list-style-type: none"> A Commission Policy Position on Federal Legislation/Appropriations (See Attachment #3, "Action" Section) ACTIONS: <ul style="list-style-type: none"> Statements from Federal Observer Agencies Review, Revise and Approve Draft Policy Statement Advocacy Strategy for the 104th Congress 	Moderator: Patrick R. Ralston
12:00 Noon	Luncheon <ul style="list-style-type: none"> Keynote Speaker Special Recognition Award: Joseph Hoffman (Commissioner and former chair) 	Hall of Presidents The Honorable Tommy Thompson , Governor (WI) (invited)

1:30 p.m.	Policy Actions and Information Items (Continued) 2) Coastal Management Issues and the 104 Congress (See Attachment #4, "Action" Section) 3) Revisions to Great Lakes Commission Policy Positions (See Attachment #5, "Action" Section) <ul style="list-style-type: none"> • Aquatic Nuisance Species • Communications • Other 	David Slade , Executive Director, Coastal States Organization Patrick R. Ralston
	4) Other Action/Information Items	Patrick Ralston
2:30 p.m.	Special Session: Agriculture/Environmental Issues and the 1995 Farm Bill (See Attachment #3, "Information" Section) <ul style="list-style-type: none"> • Farm Bill Reauthorization: Issues and Opportunities for the Great Lakes Basin • Perspectives of the National Association of Conservation Districts - Great Lakes Committee • The Great Lakes Basin Program for Soil Erosion and Sediment Control <ul style="list-style-type: none"> • Success Stories at the Local Level 	Moderator: Jerry Wager , Div. of Soil and Water Conservation, Ohio Department of Natural Resources Norm Berg , Soil and Water Conservation Society William Horvath , Midwestern Representative, National Association of Conservation Districts Jerry Wager James Storer , District Conservationist, Cuyahoga Soil and Water Conservation District, Ohio; Greg Mund , Conservationist, Natural Resources Conservation Service, Newaygo/Muskegon County, Michigan; Bill Taft , Project Manager, Muskegon/White Lake Water Quality Project, Michigan
4:00	An Invitation to the 1995 Annual Meeting/40th Anniversary Celebration of the Great Lakes Commission (see handouts)	Leonce Naud , St. Lawrence Secretariat Quebec City, Quebec
4:15	Other Business/Public Comments	Patrick R. Ralston
4:30	Adjourn	

Great Lakes Commission
1995 Semi-Annual Meeting

cf. p. 10

Milwaukee, Wisconsin
March 22-23, 1995

Summary Minutes*

1. Chair Patrick Ralston extended a welcome to the many members and visitors present at the 1995 Semi-Annual meeting and called the meeting to order at approximately 1:00 p.m. He then introduced the Mayor of the City of Milwaukee, John Norquist, the morning keynote speaker.
2. Mayor Norquist began his remarks by speaking to the linkages of the Great Lakes to the economy of the state of Wisconsin and to the city of Milwaukee, highlighting the critical importance of clean water. Market approaches, he noted, were a viable option for protecting water quality and preventing further pollution, so long as we continue to pursue the goals of clean water and public health. He then spoke about the importance of maritime commerce in the regional economy and called on the Great Lakes Commission to speak against laws that restrict maritime commerce on the Great Lakes.
3. Chair Ralston called on Commissioner Nat Robinson, who extended a welcome on behalf of the Wisconsin Delegation and Governor Thompson. He introduced other members of the Wisconsin Delegation, which include David Kluesner (the Governor's Policy Advisor on the Environment and Natural Resources) and Bill Carey (former Director of the Intergovernmental Relations Bureau, Wisconsin Department of Administration). He also introduced the Wisconsin coastal management program staff in attendance. Robinson then read sections of a letter to the Great Lakes Commission from Governor Thompson, which welcomed the Commission and recognized, in particular, the importance of its advocacy work and the coordination of coastal management activities in the Great Lakes Basin. Robinson concluded by reading a proclamation by Governor Thompson, which, in honor of the Great Lakes Commission 1995 Semi-Annual Meeting, proclaimed a "Great Lakes Appreciation Day". Chair Ralston thanked N. Robinson for his leadership in Wisconsin and his excellent work in hosting the meeting.
- * 4. Chair Ralston called for adoption of the minutes of the 1994 Annual Meeting. F. Kudrna moved for adoption; a second was offered by N. Robinson. J. Hoffman requested that the minutes be corrected to reflect Sen. Andrezeski's presence at the meeting. The minutes were then adopted by unanimous vote.

Chair Ralston extended a welcome to new Commissioners and Observers. New Commissioners include Dr. Jeff Busch, director of Ohio's Lake Erie Office, who replaces Don Schregardus, Ohio Environmental Protection Agency director; and Ohio's new DNR director, Don Anderson, who replaces Frances Buchholzer, former DNR director. New Observers introduced were Dr. Christopher Goddard, who replaced Bob Beecher as executive secretary of the Great Lakes Fishery Commission; and Dr. Jeff Reutter, director of Ohio Sea Grant and the new Chair of the Great Lakes Sea Grant Network. Other Observers present were then asked to introduce themselves. They included Al Behm, U.S. Army Corps of Engineers; Carolyn Bohan, U.S. Fish and Wildlife Service; Dr. Al Beeton, Great Lakes Environmental Research Laboratory; Dr. Virgil Frizzell, U.S. Geological Survey; and Doug McTavish, International Joint Commission.

* An asterisk denotes Commission action.

5. Chair Ralston reviewed the agenda and noted a change to reflect a presentation by Admiral Peschel of the U.S. Coast Guard at 9:00 a.m. the following day.

A roll call indicated the presence of the following Commissioners, Alternates and proxies.

Illinois	Frank Kudrna, Commissioner (and State Delegation chair) Brent Manning, Commissioner Anthony Iannello, Commissioner Don Vonnahme, Commissioner (and Vice-chair) Norman Sims, Commissioner John Comerio, Alternate (for B. Manning)
Indiana	Patrick Ralston, Commissioner (and Chair) Dave Herbst, Alternate (for P. Ralston) Peter McCarthy, Commissioner
Michigan	A. Michael Leffler, Alternate (for F. Kelley, State Delegation chair) Frank D'Itri, Commissioner
Minnesota	—
Ohio	Wayne Warren, Alternate (for D. Anderson, State Delegation chair) Jeff Busch, Commissioner George Ryan, Commissioner
New York	Gerry Mikol, Alternate (for L. Marsh, State Delegation chair)
Pennsylvania	Joseph Hoffman, Commissioner (and State Delegation chair) Sidney Smith, Commissioner Anthony Andrezeski, Commissioner
Wisconsin	Nat Robinson, Commissioner (and State Delegation chair) Dave Kluesner, Commissioner Bill Carey, Commissioner

Michael J. Donahue, Commission Executive Director, noted that a quorum was present.

6. Chair Ralston then invited M. Donahue to present the report of the Executive Director. Donahue began with an overview of the many opportunities and challenges associated with prospective actions of the new Congress, pointing out that federal-state relations could be expected to change as a result. The challenge for the Commission, he noted, is to maintain current programs while responding to the emerging needs of the eight Great Lakes states-- a challenge for which the structure of the Commission is well-suited. He highlighted the Commission's strategic planning initiative, the results of which will be released by Chair Ralston at the 1995 Annual Meeting/40th Anniversary Celebration. Donahue characterized the strategic plan as a valuable tool that will guide the Commission in meeting future challenges.

Donahue presented selected new Commission products, including the 1994 Annual Report, the Great Lakes Guide which consolidates all Commission policy positions into a single document, and the quarterly *ANS Update* newsletter produced by Commission staff.

Moving to the budget, Donahue noted that Commission finances are in excellent condition, and expenditures thus far in FY1995 are on target with projected expenditures under the approved budget. Additional revenue sources continue to be accessed, thanks to aggressive program development efforts. With approximately 16 sources of revenue in addition to state dues, the Commission has solid financial footing through FY1996 and beyond. He also noted that a "return on investment" analysis had been completed for every member state, and a summary statement will accompany state dues invoices, per Executive Committee recommendation. The analysis demonstrates that each state—through grants and pass-through funding—receives many times its dues payment each year. Donahue completed the financial summary by noting that he was in the process of implementing a new investment strategy to maximize return on growing reserve funds.

On personnel and office matters, Donahue pointed out that several new staff have been added and the Commission has leased additional office space in an adjacent building to house the growing staff. The phone number and mailing address are not affected.

Donahue continued his report by summarizing activities in the Commission's program areas. In Natural Resources and Environmental Quality, he spoke to the Great Lakes Basin Program's continued success in its fifth year, and ongoing advocacy to ensure continued federal funding; pollution prevention initiatives underway in conjunction with the Waste Reduction Institute for Training and Research; aquatic nuisance species prevention and control efforts; continued support for the Remedial Action Plan process in the Basin; and many others.

In the Transportation and Economic Development arena, Donahue spoke to ongoing work on the State of the Lakes Ecosystem Conference paper, and reviewed several ongoing Commission policy interests, including dredging and Confined Disposal Facilities issues; Soo Locks; and continued support for the Mayor's Conference, including an upcoming meeting in Hamilton, Ontario. Sustainable development and brownfields redevelopment were highlighted as new Commission initiatives under this program area.

In Communications, recent milestones associated with the Great Lakes Air Toxics Inventory project and Great Lakes Information Network were highlighted. Donahue also pointed to ongoing efforts to support more traditional communications activities, such as the Great Lakes Information Clearinghouse which provides personal support and referral services to members and other interested persons.

In Regional Coordination, Donahue noted that the number of signatories to the Ecosystem Charter for the Great Lakes-St. Lawrence Basin has virtually doubled since public release of the document. The Agricultural Profile project and associated summit were reviewed. Also, a highly successful "Great Lakes Day" and Congressional Breakfast in Washington, D.C., were highlighted.

Donahue completed his presentation with a progress report on development of a strategic plan for the Great Lakes Commission. Spearheaded by the Executive Committee, under Chair Ralston's leadership, the plan will be the focus of program committee discussions in the afternoon sessions. He noted that the strategic plan will provide staff and members with guidance in preparing and implementing the Commission's work plan each year, and will communicate to other entities the Commission's priorities.

N. Sims expressed appreciation for the helpfulness and responsiveness of M. Donahue and his staff during the development and initial revisions of the plan.

7. N. Robinson moderated a special panel presentation titled "Focus on Wisconsin's Great Lakes Activities." The first panelist, Marsha Jones, Milwaukee Remedial Action Plan Coordinator for the

Wisconsin Department of Natural Resources, presented slides and spoke to the remedial action plan process, focusing on the five designated Areas of Concern in Wisconsin. Jones discussed problems and challenges encountered in Wisconsin's AOCs and ways in which Wisconsin RAPs are addressing these problems. She concluded by stressing the importance of and interrelationship between a healthy natural environment and a viable economy.

The second panelist, Paul Nannis, Commissioner of Health for the City of Milwaukee, spoke to the city's recent cryptosporidium problem, reviewing the origin of the problem and the evolution of public policy strategies to address it. He concluded his remarks by highlighting lessons learned and the rigorous efforts to preclude any chance of a similar problem arising again.

Bill Wiesmuller, Vice-Chair of the Wisconsin Coastal Council, was the next panelist. Wiesmuller provided an overview of the Council and the Wisconsin Coastal Management Program, which focuses on wetlands protection; public access to shoreline; cumulative and secondary impacts; and natural patterns, each with a strong educational and technical assistance component. He discussed the Council's current and ongoing activities in each of these areas. He concluded his remarks by highlighting the Council's success in bringing a new awareness to citizens about the special nature of Wisconsin's coastal waters and providing for future enjoyment of the waters.

Ellen Fisher of the Wisconsin Department of Transportation spoke to current issues and opportunities for maritime transportation in Wisconsin. Fisher provided an introduction to Wisconsin's commercial ports; described Wisconsin's harbor assistance grant program; and offered a summary of a recently-released multi-modal system plan, which outlines a blueprint for investing \$39 billion in transportation over the next 25 years, including a substantial increase in support for commercial ports. Finally, Fisher briefly described Wisconsin's efforts to address the dredge disposal issue. She noted that most of Wisconsin's CDFs are, or will be full within the next 8-10 years, and expressed Wisconsin's interest in extending the life of those facilities.

A question was raised as to what the City of Milwaukee was doing with dredged materials from its harbor area. Fisher responded that these materials require disposal in a CDF, and the Port of Milwaukee was working with the Army Corps of Engineers to expand the existing CDF. A brief discussion ensued relative to Milwaukee's management of combined sewer overflows, with a focus on the extent of the problem and management costs. Additional discussion focused on the cryptosporidium problem; theories as to why it arose when it did, and how federal/state/local governments will continue to learn from the Milwaukee lesson.

G. Ryan took the opportunity to explain the Commission's support for cabotage laws (the Jones Act) in light of Mayor Norquist's stated opposition to such policies. He provided details about the amount of trade conducted under the Act, and related activities that support the U.S. economy.

8. M. Donahue presented further detail on the Commission's strategic plan development initiative. Thanks to the expertise of Indiana DNR facilitators, the Executive Committee had drafted the vision, mission and goal statements, and subsequently developed objectives and strategic actions for each of the goals with additional Commission staff support. Today's breakout sessions, he explained, are organized by program committee and will entail an opportunity for detailed review and revision of the relevant sections of the draft strategic plan. He pointed out that each program committee meeting has its own agenda, including an opportunity for an update on program activities as well as review and comment on the draft plan.

Commission business concluded for the day at the end of the program committee meetings.

- * 9. The second day of the 1995 Semi-Annual Meeting began with program committee reports from the previous day's breakout sessions focusing on the draft strategic plan. J. Hoffman presented the results from the Regional Coordination Program Committee. The committee confirmed the appropriateness of the vision statement and, while approving the substance of the mission statement, suggested editorial changes. He noted that the Commission needs to continue to strengthen its linkages with state legislators, the Council of Great Lakes Governors, USEPA, and other entities that can contribute to and benefit from an association with the Great Lakes Commission. The Commission should also continue to take advantage of regional coordination tools such as the Great Lakes Protection Fund. He concluded his report by encouraging the members to take full advantage of the Commission's communication tools, such as the *ADVISOR*, various Commission documents, and the Great Lakes Information Network.

Thomas Crane reported out on behalf of the Resource Management and Environmental Quality Program Committee. He reviewed the process by which the elements of the strategic plan were developed for this program area. He noted that many of the strategic actions would be revised to be less task-oriented and more consistent with the purposes of this strategic document. He presented the objectives developed for his program area, and pointed to specific Commission program and project activities to support those objectives. W. Warren presented specific changes to the draft plan as recommended by the program committee. The first suggested change was to replace "land and water" with "natural resources" in the goal statement to be more encompassing and more consistent with the Ecosystem Charter. It was suggested that the Commission continue efforts to resolve outstanding issues concerning implementation of the 1985 Great Lakes Charter addressing diversion and consumptive use. W. Warren asked the executive director to contact the Council of Great Lakes Governors, which has taken the lead on the Great Lakes Charter to begin addressing such issues. The program committee asked that the Executive Committee and the full Commission examine more closely the Commission's involvement in state-specific versus regional initiatives to ensure that the Commission maintains a Basin-wide focus. It was recommended that the Commission develop summaries of the results of each of its projects, in the interest of presenting them to decisionmakers. The Great Lakes Information Network and other means of communications should be explored for this purpose. The final suggestion from this committee was the need to reference the Ecosystem Charter, where appropriate, in the strategic plan.

Carol Ratza reported out for the Communications Program Committee, reviewing each of the committee's program objectives under the draft strategic plan. The first objective was changed to broaden the program's focus from an institutional (i.e., Great Lakes Commission) to regional context. The committee recommended adding language to support continuous re-evaluation of communications efforts, and emphasize assistance to member states in education and outreach activities. For the second objective, the committee supported language addressing information dissemination on the Internet and use of high-tech communication tools. She emphasized the need to add an objective encouraging all stakeholders to work together on regional communications activities. For the third objective, the committee agreed to the importance of developing common data bases and protocols across the states and provinces to provide a common scientific base useful to policymakers.

M. Donahue reported out for the Transportation and Economic Development Program Committee. He noted that the first objective, originally a sustainable development concept, should be modified to include a more precise focus on economic development. The second objective, addressing commercial navigation, requires no major revisions. The three following objectives, focusing on trade between the Great Lakes states and Canada, environmentally-compatible water use by industry, and quality of life issues, were the focus of extended discussion. The program committee recommended that the three objectives be folded into the first two or developed into a single third objective. The committee also recommended overall editing to ensure that items are presented as strategic actions instead of tasks.

F. Kudrna added that the term "sustainable development" needs to be explicitly defined. The committee also recommended that the regional leadership responsibility of the Commission should be highlighted, and the spirit of the Ecosystem Charter should be reflected in the strategic plan.

For the mission statement, the committee again recommended the need to emphasize the Commission's leadership responsibility, and clearly state who we are, what we do and how we do it. The goal statement was accepted, although a question was raised about whether a distinction should be made between the Great Lakes and the St. Lawrence Seaway components of the larger transportation system.

For the first objective, three modifications were recommended: 1) make the statement measurable to permit progress to be assessed; 2) add educating businesses as an outreach function; and 3) reference foundations for economic growth, including access to technology and promoting competitive policies. Under the second objective, the committee recommended adding a specific element on confined disposal facilities, icebreaking services, and dropping language about cruise service promotion since that objective had largely been accomplished. They also recommended new roles relative to project cost-sharing, calling on the Commission to promote regional consistency in approaches to issues such as CDFs.

A final comment was made by Bill Willis of the U.S. Army Corps of Engineers, who supported the recommendations of the Transportation and Economic Development Program Committee, emphasized the importance of education about commercial navigation issues, and confirmed the need for the Commission's assistance in bringing in and applying new technologies.

Chair Ralston noted that he hoped to present a final, approved strategic plan at the 1995 Annual Meeting/40th Anniversary Celebration of the Commission. He thanked everyone for their participation and hard work.

It was agreed that M. Donahue would oversee revisions to the initial draft and, in consultation with the Executive Committee, develop a process and timeline for plan completion.

10. Chair Ralston introduced Rear Admiral Rudy K. Peschel, Commander of the Ninth U.S. Coast Guard District in Cleveland. Peschel discussed the Coast Guard's efforts to formalize ongoing cooperation on marine environmental protection with the Great Lakes states through a series of Coast Guard-state memoranda of understanding (MOU). He noted that the MOUs build on an already excellent relationship between the states and the Coast Guard, and expands their joint efforts to include environmental protection as well as response. With the presence of the Great Lakes Commission, Peschel pointed out that there is already an outstanding foundation on which to strengthen coordination. He concluded his remarks by assuring the Commission that, although there may be some closing of Coast Guard stations in the Great Lakes region, the Coast Guard will continue to have a helpful presence in the Great Lakes.
11. Commission Vice-Chair D. Vonnahme moderated a special session titled "Federal and Regional Priorities for the Great Lakes in the 104th Congress." He called the Commission's attention to a draft letter prepared by staff that outlined 15 items that will be considered as elements of a policy position. Dick Munson, Executive Director of the Northeast-Midwest Institute, was the first panelist. Munson highlighted key challenges faced by the Great Lakes states in the 104th Congress, marked by the loss of a number of Great Lakes state seats in Congress, the change in leadership, and federal budget deficit problems. He concluded his remarks by confirming the need to protect and wisely manage the Great Lakes.

The second panelist, Cristena Bach, Executive Director of the Council of Great Lakes Governors, addressed the process and status of the Governors' discussions with USEPA on the Great Lakes Initiative. A consultant's analysis of the economic impacts of Initiative implementation was forthcoming and would help the governors formulate a position. She concluded her remarks by briefly noting other areas in which the Council has an interest, such as a regional air emissions trading structure, pollution prevention, and other efforts to promote a high performance economy. In the ensuing discussion, Commissioners agreed on the importance of coordinating efforts between regional institutions such as the Great Lakes Commission, the Council of Great Lakes Governors and the Northeast Midwest Institute.

In response to a question, Bach noted that the Governors had not yet clarified their appropriations priorities for the 104th Congress, but would address this matter at their upcoming meeting in June 1995.

Several Commissioners noted that the Commission's advocacy strategy was moving forward quickly, and Council/Commission coordination will be important.

F. Kudrna inquired about the status of Sea Grant reauthorization, and recommended that it be included as a component of the Commission's policy position and advocacy strategy.

M. Donahue was the third panelist. He directed attention to the draft congressional advocacy letter in the briefing books. He reviewed the development of the document, the content of which was drawn from past advocacy efforts, current Executive Committee priorities, and staff input. He noted that additional elements still needed to be added, while recognizing that sensitivity to deficit issues and the overall tenor of Congress must be demonstrated. Donahue concluded his remarks by noting that further review and comment on the document was the subject of the following session.

- * 12. Vice-Chair Vonnahme moderated discussions on further development and approval of the Commission's policy position on federal legislation/appropriations activity in the 104th Congress. The session began with statements by Observer agency representatives.

Virgil Frizzell of the U.S. Geological Survey presented a brief overview of USGS functions and the budget priorities for the agency as presented in the President's budget. F. D'Itri noted the importance of the Water Resources Research Institutes, which are funded through the USGS, and asked for their inclusion in the Commission policy position and advocacy strategy.

Al Behm of the U.S. Army Corps of Engineers thanked the Commission for its support of Corps activities and its leadership in regional coordination. He suggested eliminating an item in the draft position addressing Corps restructuring, as it was no longer a priority for inclusion. All other items relevant to Corps activities should be retained.

Al Beeton, Director of NOAA's Great Lakes Environmental Research Laboratory, spoke to the accomplishments of the Great Lakes research community, the difficulties in communicating research results to the broader community, and the potential threats to close the remaining non-regulatory federal agencies in the Great Lakes region, such as his laboratory. Beeton urged the Great Lakes Commission and its member states to support continued operation of these facilities.

Doug McTavish of the International Joint Commission was the next Observer to speak. McTavish spoke to budgetary constraints faced by his organization and the expected reduction in certain activities as a result. He concluded by highlighting the upcoming IJC biennial meeting in September 1995, and welcomed those present to attend.

A representative from Environment Canada spoke to the budget crisis in Canada and its expected impacts on his agency and its ability to effectively carry out its environmental programs. Another attendee confirmed that similar impacts could be expected for the Canadian Coast Guard.

Carolyn Bohan of the U.S. Fish and Wildlife Service presented three legislative priorities of the Service: reauthorization of the Great Lakes Fish and Wildlife Restoration Act, the Non-indigenous Aquatic Nuisance Species Control Act, and legislation addressing sea lamprey control. She noted that each of these issues was included in the Commission policy position, and thanked the Commission for its support. Bohan concluded with a brief summary of ongoing Service efforts concerning institutional coordination, an ecosystem approach to management, and communications and outreach initiatives.

Rich Klukas of the National Park Service was the final Observer to speak. He presented four Great Lakes priorities for consideration by the Commission, highlighting Park Service efforts in the Keweenaw Peninsula (MI) for continued development of an historic park. He thanked the Commission for the opportunity to comment on legislative/appropriations priorities.

Extended discussion on the format and content of the appropriations/legislation policy followed Observer statements. D. Kluesner expressed his concern for the number of items in the draft position, and potential duplication of effort. F. Kudrna made the suggestion to include Sea Grant reauthorization, remove Corps restructuring, and include a separate item on the Water Resources Research Institutes. W. Warren recommended modifying the Park Service items, and the request for support of the USGS, in the spirit of better targeting the policy position to essential ongoing activities.

During discussion, the importance of inter-regional coalition building was highlighted, given that many issues of importance to the Great Lakes states are shared by other basins/regions. N. Robinson suggested a brief transmittal letter with the policy position document as an attachment. M. Donahue queried Commissioners and Observers to determine if there were any items missing, noting that language for EPA's Great Lakes National Program Office would be added. Concern was expressed that the request for full federal funding for CDF's was not realistic. M. Donahue noted that it was a longstanding Commission policy to request full federal funding.

There was a brief discussion about the Lake Michigan Diversion at Chicago, and Commissioners agreed on the importance of targeted congressional advocacy efforts to address the issue of repairing the leaking lock structure and implementing a more accurate measuring system.

It was agreed that M. Donahue would incorporate changes to the policy position based on the day's discussion, and would submit the revised document to the full Commission, with final approval by the Executive Committee.

13. Vice-Chair Vonnahme introduced David Slade, Executive Director of the Coastal States Organization, who spoke to "Coastal Management Issues and the 104th Congress." Following a brief overview of the congressional budget and appropriations process and its impact on federal coastal management agencies, Slade summarized the prospects of major pieces of federal coastal/water legislation up for reauthorization, highlighting the Safe Drinking Water Act, Sea Grant, the Clean Water Act, the Coastal Zone Management Act and the National Marine Sanctuaries Act. He emphasized the importance of singling out the Commission's priorities and targeting them to correspond with congressional committee jurisdiction. Slade concluded his remarks by confirming the importance of increased coordination between the Coastal States Organization and the Great Lakes Commission.

At N. Robinson's initiation, discussion ensued about the possible duplication between Section 6217 of Coastal Zone Management Act and Section 319 of the Clean Water Act. Slade shared his perspectives,

and M. Donahue reviewed a policy position adopted earlier in the year by the Commission's Executive Committee.

- * 14. M. Donahue presented proposed revisions to the Great Lakes Commission policy positions document. He first reviewed a proposed addition to the communications policy position, calling for the Commission to enhance consistency among state data base management efforts and to promote electronic information sharing via the Great Lakes Information Network. A motion to adopt the proposal was offered and then seconded by W. Warren. J. Hoffman emphasized that GLIN should be characterized as one of many communication tools that might be used by the states. Donahue concurred that this was the intent. The revised policy position was then approved unanimously.

Donahue then presented revisions to the aquatic nuisance species policies position, as recommended by the Great Lakes Panel on Aquatic Nuisance Species. Donahue noted that the proposed revisions were consistent with the Panel's appropriations/legislative policy position. Lori Reynolds, Great Lakes Commission staff, provided additional information. After some discussion about the length of the policy position, Commissioners directed Donahue to summarize the policy position to make it more concise, and to submit it to the Commission in the future for final approval.

- * 15. D. Vonnahme introduced Jerry Wager, Division of Soil and Water Conservation in Ohio's Department of Natural Resources, who moderated the final special session on "Agriculture/Environmental Issues and the 1995 Farm Bill." Wager introduced Norm Berg of the Soil and Water Conservation Society, who spoke to issues and opportunities for the Great Lakes Basin in the 1995 Farm Bill reauthorization. Berg highlighted five issues deserving of attention: soil loss/quality; nonpoint source pollution, including animal waste; wetlands and wildlife habitat; retaining prime and unique farmlands; and the future of the Conservation Reserve Program. He discussed the views of the Administration, the central concerns driving Congress, and some of the potential trade-offs among these issues in the Farm Bill debate. He concluded by noting three major constraints that must be dealt with to improve farm practices and hence water quality in the Great Lakes Basin: fiscal limitations, filling in knowledge gaps, and lack of galvanized public opinion and public will.

William Horvath, Midwestern Representative for the National Association of Conservation Districts, provided an overview of the 1985 Farm Bill, describing it as the first federal effort to link agricultural practices to conservation. In 1995, he noted, reauthorization efforts will focus on building on and fine-tuning many of the programs developed in 1985, such as the Conservation Reserve Program and swampbuster provisions. Horvath presented NACD's priorities for the 1995 Farm Bill and spoke to NACD recommendations to combine all cost-share programs within USDA (except CRP and Forest Service programs) into a comprehensive conservation incentives program under the Natural Resources Conservation Service (NRSC). He elaborated on NACD's proposal for an environmental credits program to provide financial incentives to agricultural producers to implement and maintain comprehensive natural resource management plans and practices. Horvath concluded by noting that the debate over the 1995 Farm Bill will be budget driven. The elements and effectiveness of current agricultural and conservation programs was the subject of general discussion.

The second part of the session focussed on local success stories under the Great Lakes Basin Program for Soil Erosion and Sediment Control. James Storer, District Conservationist for the Cuyahoga County Conservation District in Ohio, discussed a study to test erosion and sedimentation control methods on two construction sites. This entailed the temporary seeding of such sites, which showed that these practices are economical and can substantially reduce soil erosion and phosphorous loadings from construction sites.

Greg Mund, NRSC Conservationist for Newaygo/Muskegon Counties, Michigan, and Bill Taft, Project Manager for the Muskegon/White Lake Water Quality Project, discussed ongoing programs in their district. They described the erosion and sedimentation problems of several lakes and discussed ways in which they provide technical assistance to farmers to manage soil fertility and reduce/control farm runoff and erosion. Other efforts include working with developers and homeowners, providing technical assistance and education on conservation practices. They concluded their remarks by highlighting the multiple benefits from their programs.

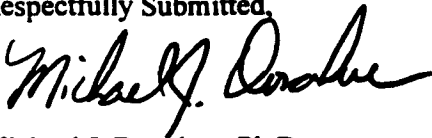
F. Kudrna made a motion to adopt a resolution to "strongly endorse the funding and reauthorization of the 1995 Farm Bill with particular emphasis on those elements which directly benefit and improve the protection of watersheds in the Great Lakes Basin and encourage the adoption of the guiding principles of the Soil and Water Conservation Society." The motion was seconded. J. Hoffman raised a procedural issue, noting that Commission by-laws require a two-thirds vote to consider, and a two-thirds vote to approve any resolution or action that is not provided to members in advance of the meeting. F. Kudrna moved to consider the resolution, seconded by W. Warren. With no further questions, a vote was taken and the motion to consider the resolution was approved unanimously. F. Kudrna then moved the question; it was seconded and approved unanimously.

16. In other business, Leonce Naud of the Quebec Government's St. Lawrence Development Secretariat invited the Great Lakes Commission to hold its 1995 Annual Meeting in Quebec City, Quebec on September 6-8.

Fran Beech, an audience participant, commented on the high quality of Commission products and elaborated on how the Commission could better market its services and products.

- * 17. N. Robinson thanked meeting attendees for the opportunity to serve as their host in Wisconsin. Chair Ralston reiterated the Commission's appreciation for his hospitality. A motion by F. Kudrna to adjourn the meeting was made and seconded. The meeting was adjourned by unanimous vote at approximately 4:30 p.m.

Respectfully Submitted,



Michael J. Donahue, Ph.D.
Executive Director

**Great Lakes Commission
Semi-Annual Meeting - 1995
Attendees List**

Anthony B. Andrezeski
State Senator
Pennsylvania Senate
Senate Box 203049, Room 17-E
Capitol Bldg.
Harrisburg, PA 17120-3049
PH: 717/787-8927
FAX: 717/772-1588

Cristena Bach
Executive Director
Council of Great Lakes Governors
35 E. Wacker Dr., Suite 1850
Chicago, IL 60601

Nancy Barker
Representative
Great Lakes Non Abatement Center
1701 Michigan Ave.
Manitowoc, WI 54220
PH: 414/683-4184
FAX: 414/683-5062

Fran Beach
108 Parkhill Ave.
Columbia, MO 65201

Alfred M. Beeton
Director, GLERL
NOAA/GLERL
2205 Commonwealth Blvd.
Ann Arbor, MI 48105
PH: 313/741-2244
FAX: 313/741-2003

Alfred Behm
Chief Planning Division
Corps of Engineers
111 North Canal
Chicago, IL
PH: 312/353-6348
FAX: 312/353-3138

John Birkholz
Assistant Director
Minnesota Board of Water and Soil Resources
One West Water Street, Suite 200
St. Paul, MN 55107
PH: 612/296-0879
FAX: 612/297-5615

Carolyn A. Bohan
Great Lakes Coordinator
U.S. Fish and Wildlife Service
Rm. 308, 1405 S. Harrison Rd.
E. Lansing, MI 48823
PH: 517/337-6807
FAX: 517/337-6182

Werner Braun
Issues Manager
Council of Great Lakes Industries
2020 Building, Dow Center
Midland, MI 48640
PH: 517/636-6151
FAX: 517/638-9919

Bob Burris
Great Lakes Water Quality Coordinator
USDA-NRCS
One Maritime Plaza
Toledo, OH 43604
PH: 419/245-2514
FAX: 419/245-2519

Dr. Jeffrey L. Busch
Executive Director
Ohio Lake Erie Office
One Maritime Plaza, 4th Floor
Toledo, OH 43604-1866
PH: 419/245-2514
FAX: 419/245-2519

William C. Carey
Dir. Intergovernmental Relations
State of Wisconsin
6015 N. 98th Ct.
Milwaukee, WI 53225
PH: 414/353-3918

John W. Comerio
Deputy Director
Illinois DOC
524 S. Second St., Room 400
Springfield, IL 62706
PH: 217/785-8517
FAX: 217/785-9236

✧ Suzanne Cormie
Consul
Canadian Consulate General
#2400 Two Presidential Plaza, 180 N. Stetson Ave
Chicago, IL
PH: 312/616-1860
FAX: 312/616-187

✧ Thomas R. Crane
Program Manager
Resource Management and Env. Quality
Great Lakes Commission
400 Fourth St.
Ann Arbor, MI 48103
PH: 313/665-9135
FAX: 313/665-4370

Frank D'Itri
Professor
Institute of Water Research
115 Manly Miles Bldg.
1405 S. Harrison Rd.
Michigan State University
East Lansing, MI 48824
PH: 517/353-3744
FAX: 517/353-181

✧ Michael J. Donahue
Executive Director
Great Lakes Commission
400 Fourth St.
Ann Arbor, MI 48103
PH: 313/665-9135
FAX: 313/665-4379

Ellen Fisher
Chief, Harbors & Waterways
Wisconsin Dept. of Transportation
P.O. Box 7914
Madison, WI 53707-7914
PH: 608/267-9319
FAX: 608/267-3567

Virgil Frizzell
Deputy for Great Lakes Research
U.S. Geological Survey
Great Lakes Environmental Research Lab
2205 Commonwealth Blvd.
Ann Arbor, MI 48105
PH: 313/741-2041
FAX: 313/741-2055

Nils Halker
Programs Biologist
Freshwater Foundation
725 County Rd. 6
Wayzata, MN 55391
PH: 612/449-0092
FAX: 612/449-0592

David Henkel
Director of IDNR Public Information
Indiana Department of Natural Resources
402 West Washinton Street, W255B
Indianapolis, IN 46204
PH: 317/232-4003
FAX: 317/232-8036

David L. Herbst
Deputy Director
Indiana Dept. of Natural Resources
402 W. Washington
Indianapolis, IN 46204
PH: 317/232-5920
FAX: 317/232-6811

✧ Joseph K. Hoffman
Pennsylvania Commissioner
Dept. of Environmental Resources
Bureau of Water Supply & Community Health
P.O. Box 8467, 400 Market St.
11th Floor, MSSOB
Harrisburg, PA 17105
PH: 717/787-9035
FAX: 717/772-3249

Andy Holschbach
Staff
Great Lakes Non Abatement Center
1701 Michigan Ave.
Manitowoc, WI 54220
PH: 414/683-4184
FAX: 414/683-5062

William Horvath
NACD Regional Representative
National Association of Conservation Districts
1052 Main Street Suite 204
Stevens Point, WI 54481-2895
PH: 715/341-1022
FAX: 715/341-1023

Anthony G. Ianello
Executive Director
Illinois International Port District
3600 E. 95th St.
Chicago, IL 60617
PH: 312/646-4400
FAX: 312/221-7678

x Daniel Injerd
Chief, Lake Michigan Management Section
IL Dept. of Transportation
310 S. Michigan Ave., Room 1606
Chicago, IL 60604
PH: 312/793-3123
FAX: 312/793-5968

Carole Jett
State Conservationist
USDA, Natural Resources Cons. Service
Room 101, 1405 South Harrison Rd.
East Lansing, MI 48823-5243
PH: 517/337-6701
FAX: 517/337-6905

Bernard Kieklak
Executive Assistant to Sen. Andrezeski
Pennsylvania State Senate
Senate Box 203049, Room 17-E
Capitol Bldg.
Harrisburg, PA 17120-3049
PH: 717/787-8927
FAX: 717/772-1588

Dave Kluesner
Policy Advisor
Wisconsin Governor's Office
115 East, State Capitol
Madison, WI 53702
PH: 608/266-7885
FAX: 608/267-8983

Rich Klukas
Research Biologist
National Park Service
1709 Jackson St.
Omaha, NE 68102
PH: 402/221-3603
FAX: 402/221-3480

John Kohl
Representative
Great Lakes Non Abatement Center
1701 Michigan Ave.
Manitowoc, WI 54220
PH: 414/683-4184
FAX: 414/683-5062

Bill Kowalski
Representative
Great Lakes Non Abatement Center
1701 Michigan Ave.
Manitowoc, WI 54220
PH: 414/683-4184
FAX: 414/683-5062

x Frank Kudrna
President
Kudrna & Associates
203 North Cass Avenue
Westmont, IL 60559
PH: 708/969-3060
FAX: 708/969-3122

Richard F. Lambert
Director Ports & Waterways
Minnesota Dept. of Transportation
925 Kelly Annex, Mail Stop 470
St. Paul, MN 55155
PH: 612/296-1609
FAX: 612/297-1887

A. Michael Leffler
Assistant Attorney General
Michigan Dept. of Attorney General
Nat. Res. Div., 8th Floor, Mason Building, BOX
30028
Lansing, MI 48909
PH: 517/373-7540
FAX: 517/335-6668

Rose Hass Leider
Chairman
Great Lakes Non Abatement Center
1701 Michigan Ave.
Manitowoc, WI 54220
PH: 414/683-4184
FAX: 414/683-5062

x Christine Manninen
Specialist, Communications
Great Lakes Commission
400 Fourth St.
Ann Arbor, MI 48103
PH: 313/665-9135
FAX: 313/665-4370

Brent Manning
Director
Illinois Dept. of Conservation
524 S. 2nd St., Lincoln Tower Plaza
Room 400
Springfield, IL 62701-1787
PH: 217/785-0075
FAX: 217/785-9236

Peter McCarthy
Port Director
Burns International Harbor
Indiana Port Commission
6600 U.S. Highway 12
Portage, IN 46368
PH: 219/787-8636
FAX: 219/787-8842

Edward L. Michael
Vice President for Midwest Region
Trout Unlimited
223 Burberry Rd.
Highland Park, IL 60035
PH: 708/831-4159
FAX: 708/831-1035

Gerry Mikol
Alternate Commissioner
New York State DEC
50 Wolf Rd., Room 601
Albany, NY 12233
PH: 518/457-6610
FAX: 518/457-3945

Greg Mund
Conservationist
Natural Resources Conservation Service
Newaygo/Muskegon Counties
9401 Van Eyck St.
Muskegon, MI 49442

Richard Munson
Executive Director
Northeast Midwest Institute
218 "D" Street, S.E.
Washington, DC 20003

Paul Nannis
Commissioner of Health
City of Milwaukee
841 N. Broadway, Room 1112
Municipal Bldg.
Milwaukee, WI 53202

x Leonce Naud
Principal Advisor
St. Lawrence Development Secretariat
385 Grand-Allee est
Quebec, Canada G1R 2H8
PH: 418/643-7788
FAX: 418/646-9959

Joe Newberg
Hennepin C.D. Supervisor
Great Lakes Committee, NACD
5235 12th Ave. South
Minneapolis, MN 55417
PH: 612/948-4830
FAX: 612/987-8258

x John Norquist
Mayor
City of Milwaukee
200 E. Wells St.
Milwaukee, WI 53202

Dwain Otte
N.A.C.D. Director North Central
National Association of Conservation Districts
606 Zanmiller Dr.
Northfield, MN 55057
PH: 507/645-4370

Sheryl Paczwa
Natural Resources Conservation Service
6515 Watts Rd., Suite 200
Madison, WI 53719
PH: 608/264-5580
FAX: 608/264-5483

Mike Pleshek
Vice Chairman
Great Lakes Non Abatement Center
1701 Michigan Ave.
Manitowoc, WI 54220
PH: 414/683-4184
FAX: 414/683-5062

Patrick R. Ralston
Chairman, Great Lakes Commission
Indiana Department of Natural Resources
402 W. Washington--Room W256
Indianapolis, IN 46204
PH: 317/232-5918
FAX: 317/233-6811

X Carol A. Ratza
Program Manager
Communications
Great Lakes Commission
400 Fourth St.
Ann Arbor, MI 48103
PH: 313/665-9135
FAX: 313/665-4370

Lori Reynolds
Project Manager
Resource Management & Environmental Quality
Great Lakes Commission
400 Fourth St.
Ann Arbor, MI 48103
PH: 313/665-9135
FAX: 313/665-4370

Nathaniel E. Robinson
Administrator
Division of Energy and Intergovernmental
Relations
P.O. Box 7868
Madison, WI 53707-7868
PH: 608/266-7257
FAX: 608/267-6931

X Michel Roy
Senior Representative
Quebec Government
Two Prudential Plaza, 180 N. Stetson Ave., #4300
Chicago, IL 60601
PH: 312/856-0655
FAX: 312/856-0725

X George Ryan, President
Lake Carriers' Association
915 Rockefeller Building
Cleveland, OH 44113-1306
PH: 216/861-0590

Ron Shelito
Northern Regional Supervisor
Minnesota Board of Water and Soil Resources
217 South 7th Street, Suite 202
Brainerd, MN 56401-3660
PH: 218/828-2604
FAX: 218/828-6036

Norm Sims
Deputy Director
IL Dept. of Comm. and Community Affairs
620 East Adams
Springfield, IL 62701
PH: 217/785-6174
FAX: 217/782-1206

David C. Slade
Director
Coastal States Organization
Suite 322, 444 N. Capitol St. NW
Washington, D.C. 20001
PH: 202/508-3860
FAX: 202/508-3843

Joe Slater
Dairy farmer, greenhouse owner
6780 Brunswick Rd.
Holton, MI 49425
PH: 616/821-2843
FAX: 616/788-3492

Sidney E. Smith
President
Erie Sand Steamship Co.
P.O. Box 179
Erie, PA 16512
PH: 814/453-6721
FAX: 814/453-5138

Donald K. Stitt
Chair
Wisconsin Coastal Management Council
111 E. Wisconsin Ave.
Milwaukee, WI 53202

James Storer
District Conservationist
Cuyahoga Soil & Water Conservation Dist.
6100 W. Canal
Valley View, OH 44125-3330

Rita J. Straith
Manager, Support Services
Great Lakes Commission
400 Fourth St.
Ann Arbor, MI 48103
PH: 313/665-9135
FAX: 313/665-4370

Tommy Thompson
Governor
State Capitol
Madison, WI 53702

Donald R. Vonnahme
Director
Illinois Department of Transportation/Division of
Water Resources
3215 Executive Park Drive/P.O. Box 19484
Springfield, IL 62794-9484
PH: 217/782-2152
FAX: 217/785-5014

Jerry Wager
Div. of Soil & Water Conservation
Ohio DNR
Fountain Square, Bldg. E
Columbus, OH 43224

Tom Ward
Secretary/Treasurer
Great Lakes Non Abatement Center
1701 Michigan Ave.
Manitowoc, WI 54220
PH: 414/683-4184
FAX: 414/683-5062

Wayne Warren
Deputy Director
Ohio Department of Natural Resources
1930 Belcher Drive
Columbus, OH 43224
PH: 614/265-6845

Bill Willis
Acting Chief, Construction Operations Div.
U.S. Army Engineer District, Detroit
P.O. Box 1027
Detroit, MI 48231
PH: 313/226-6794
FAX: 313/226-3519



The Argus II Building ☐ 400 Fourth St., Ann Arbor, Michigan 48103-4816
Office (313) 665-9135 ☐ Fax (313) 665-4370 ☐ E-mail: glc@great-lakes.net

EXECUTIVE DIRECTOR
MICHAEL J. DONAHUE, Ph.D.

MEMORANDUM

EXECUTIVE COMMITTEE

CHAIR

PATRICK R. RALSTON
Director
Indiana Dept. of
Natural Resources
Indianapolis, Indiana

VICE CHAIR

DONALD R. VONNAHME
Illinois Dept. of Transportation
Springfield, Illinois

FRANK L. KUDRNA
Governor's Appointee
Chicago, Illinois

FRANK J. KELLEY
Attorney General
State of Michigan
Lansing, Michigan

THOMAS E. HUNTLEY
Minnesota State Representative
Duluth, Minnesota

LANGDON MARSH
Commissioner
New York State Dept. of
Environmental Conservation
Albany, New York

DONALD C. ANDERSON
Director
Ohio Dept. of Natural Resources
Columbus, Ohio

JOSEPH K. HOFFMAN
Pennsylvania Dept. of
Environmental Resources
Harrisburg, Pennsylvania

NATHANIEL E. ROBINSON
Wisconsin Dept. of
Administration
Madison, Wisconsin

TO: Commissioners, Alternates and Observers
Other Friends of the Great Lakes Commission

FR: Michael J. Donahue
Executive Director

DA: March 6, 1995

RE: Draft Strategic Plan for the Great Lakes Commission

The Great Lakes Commission is in the midst of a strategic planning process that will yield (this September) a final product consisting of a vision, mission statement, series of goals, and associated objectives and strategic actions. Attached is a draft that will be offered for review, discussion and refinement during program committee meetings on March 22 and, subsequently, during plenary session on March 23. Please review this material carefully and, in particular, the goals, objectives and strategic actions for the area you are most interested in (i.e., administration, resource management and environmental quality, transportation and economic development, communications, regional coordination). A staff facilitator will work with each of the program committees assigned to these areas.

The strategic planning initiative is being undertaken upon the recommendation of the Executive Committee. That committee observed that such an initiative would be appropriate as the organization celebrates its 40th anniversary. The initiative--with a five year horizon--will be helpful in both characterizing the organization's current role and focus on preparing it to accept and effectively address future challenges.

An Executive Committee strategy session, with facilitative services provided by the Indiana DNR, was conducted on February 9 to begin the process. A SWOT analysis (strengths, weaknesses, opportunities, threats) was conducted and vision, mission and goal statements were "roughed out." An internal staff process was used to refine those statements and draft objectives and strategic actions for each of five goals. To augment this activity, the ADVISOR and GLIN are being used to solicit input from the larger Great lakes St. Lawrence community on organizational strengths, weaknesses and opportunities. Further refinement will take place at the 1995 Semi-Annual Meeting and, with the continuing involvement of the Executive Committee, over the spring and summer months. A final product will be released at the 1995 Annual Meeting/40th Anniversary celebration. The document will then be incorporated into the Commission's new *Great Lakes Guide*, and widely disseminated. Internally, it will provide guidance in work plan development and implementation.

Established in 1955 by inter-state compact "to promote the orderly, integrated and comprehensive development, use and conservation of the water resources of the Great Lakes Basin."

In reviewing this draft material and participating in the program committee meetings, several important points should be considered. First, assume a five year planning horizon; ensure that the statements describe the Great Lakes Commission, not only as it is, but as it should be five years into the future. Second, do not be unduly constrained by political and budgetary factors, or by what the Great Lakes Commission programs and priorities have been in the past. The objective is to ensure that unmet needs in the basin are addressed. Entirely new program areas--even amendments to the Great Lakes Basin Compact--can be pursued if a need exists. Finally, please remember that the Great Lakes Commission, as a public agency, must be responsive to your needs. Your input is valued.

/mr

Great Lakes Commission

VISION STATEMENT (DRAFT)

A commitment of the eight Great Lakes states to apply principles of sustainable development in the use, management and protection of the water and related land resources of the Great Lakes Basin.

MISSION STATEMENT (DRAFT)

The Great Lakes Commission is an eight state compact agency founded in state and federal law and dedicated to the use, management and protection of the water and related land resources of the Great Lakes Basin. Comprised of legislatively mandated and gubernatorially appointed members, the Commission serves its member states and the citizens of the Great Lakes Basin by communicating information, coordinating and developing public policy, and providing a unified voice to advocate Basin interests. The Great Lakes Commission is guided by principles of sustainable development, and embraces a partnership approach in addressing issues of resource management, environmental protection, transportation and economic development.

Administration Program

Goal: "To enhance the Commission's leadership role in regional coordination, policy development and advocacy through efficient, cost effective and responsive service to member states."

Objectives:

- 1) A staff of competent professionals with the skills required to address the Commission's mandate and all associated program and project requirements.

Strategic Actions:

- a) Promote staff retention through a competitive compensation and benefits program, opportunities for promotion, training, and challenging responsibilities that respond to both organizational goals and employee interests.
 - b) Maintain an appropriate balance between permanent and limited term employees to ensure that coordination/policy development/advocacy functions are maintained while pursuing other project-specific activities.
 - c) Maintain updated Commission-approved personnel policies that clarify employee roles, responsibilities and working arrangements.
 - d) Pursue a team-oriented approach to all programs and projects to bring a diversity of backgrounds and expertise to bear on priority issues.
 - e) Pursue creative arrangements with universities and public and private sector agencies and organizations, to secure temporary or long-term assistance with programs and projects.
- 2) A long-term reliable funding base to provide the organizational growth and stability required to meet current priorities and accommodate emerging ones.

Strategic Actions:

- a) Encourage timely payment of annual state dues, and at a level commensurate with organizational priorities.
- b) Aggressively pursue outside funding (grants and contracts from public agencies, foundations and private sector interests) consistent with stated organizational priorities, and with an emphasis on larger scale, multi-year support.
- c) Where feasible and appropriate, seek federal legislative authorization and line item funding for programs benefitting member states.
- d) Develop and implement a creative financing strategy that seeks longer-term reliable funding from multiple sources including, but not limited to, annual state dues, federal appropriations, foundation grants, private sector grants and contracts, donations, meeting/publications receipts, and endowments.
- e) Design and implement an investment strategy that maximizes interest income with minimal risk to principal.
- f) Maintain flexibility in budgeting and staffing arrangements to accommodate fluctuations in financial status without compromising service to members.

- 3) Innovative and aggressive program development activities to enhance financial status and exhibit regional leadership in priority areas.

Strategic Actions:

- a) Cultivate and pursue relationships with an array of prospective funding sources that may support the priorities of the Commission.
- b) Maintain adequate staff expertise and time for ongoing program development activities.
- c) Establish internal and external mechanisms to identify, evaluate and pursue current and issues consistent with Commission priorities.
- d) Develop and maintain an anticipatory function to ensue Commission leadership in addressing "cutting edge" issues.
- e) Utilize Commission members, observers, task forces and others in the Great Lakes-St. Lawrence community to identify and pursue program development opportunities, include collaborative ventures with like-minded organizations.

- 4) An organizational infrastructure that promotes active involvement of member states, observer agencies and the larger Great Lakes St. Lawrence community in Commission programs and projects.

Strategic Actions:

- a) Formalize and expand the membership, role and activity of program committees as a means to enhance direct Commission involvement in Commission functions.
- b) For all appropriate projects, establish and support regional task forces, advisory/steering committees, and other groups to secure input from a diverse array of interests in the Great Lakes-St. Lawrence community.
- c) Pursue designation of an alternate for all Commissioners to ensue strong representation from every member state in all Commission functions.
- e) Expand the role and activity levels for observer agencies, and consider new designations, as a means to enhance broad Basin-wide participation in Commission functions.
- f) Enhance the binational focus of the Commission by exploring and pursuing opportunities for Canadian federal and provincial participation, including the possibility of provincial membership.

- 5) Inter-organizational partnerships that enhance Commission programs and services, and leverage support from other sources.

Strategic Actions:

- a) Form partnerships with organizations, where appropriate, to both access and contribute additional expertise, staff capacity, and other resources that will advance shared interests.
- b) Form coalitions with like-minded organizations, as appropriate, to enhance efficiency and effectiveness with advocacy efforts.
- c) Monitor the collective Great Lakes-St. Lawrence management effort, identify gaps and opportunities, and pursue means to address them, via Commission programs and services, or recommendations to other agencies and organizations.

- 6) A strategic plan for regional leadership to guide organizational efforts over the short and long term.

Strategic Actions:

- a) Develop, adopt, implement and periodically update a strategic plan consisting of a vision, mission statement, goals, objectives and strategic actions.
- b) Establish internal and external evaluation procedures to measure organizational performance and progress, and make necessary adjustments.
- c) Prepare and regularly update a detailed two-year work plan to guide project-specific staff activity.

Resource Management and Environmental Quality Program

Goal: To promote the informed use, development and protection of Great Lakes Basin land and water resources through regional coordination, policy development, advocacy, data/information management and dissemination, and education and outreach.

Objectives:

- 1) Coordinate regional approaches to the development and implementation of federal and regional laws, policies, programs and agreements.

Strategic Actions:

- a) Implement the Great Lakes Basin Program for Soil Erosion and Sediment Control.
- b) Assist the U.S. EPA Region V in meeting the Area Contingency Planning requirements under the Oil Pollution Act (OPA) of 1990.
- c) Work with the Great Lakes states to review, analyze and update spill protection programs and legislation to identify inconsistencies and gaps in state programs (implementation of Great Lakes Critical Programs Act).
- d) Develop and complete inventory of binational (U.S. and Canadian) laws, policies, and programs in the Great Lakes Basin concerning agricultural land use and related nonpoint source pollution issues (Agricultural Profile Project).
- e) Work with the Great Lakes Panel on Aquatic Nuisance Species to assist the National Aquatic Nuisance Species Task Force in the implementation of the Nonindigenous Aquatic Species Prevention and Control Act.
- f) Provide a regional perspective on aquatic nuisance species issues - based on the broad Great Lakes Panel membership - regarding budget needs, and program policy and direction to the national Task Force on Aquatic Nuisance Species.
- g) Assist member states in the implementation of the Great Lakes Charter.

- 2) Develop and implement regional resource management programs through data collection, data analysis and dissemination, and database management.

Strategic Actions:

- a) House and maintain the Great Lakes Regional Water Use Database and prepare and distribute annual reports on Great Lakes water use.
- b) Maintain and update databases of environmentally and economically sensitive areas, and other data required under OPA 1990, for U.S. EPA Region V.
- c) Coordinate the development a comprehensive Great Lakes Basin agro-environmental database, and prepare, publish, and disseminate analyses utilizing information from the agricultural profile database. (Agricultural Profile Project).

- 3) Build and strengthen regional resource management and environmental partnerships and alliances through the convening of task forces and committees and facilitation of meetings, conferences and workshops.

Strategic Actions:

- a) Provide staff support to the Great Lakes Soil Erosion and Sedimentation Task Force.
- b) Provide staff support to the Great Lakes Emergency Preparedness Task Force.
- c) Work with the Council of Great Lakes Governors to expand the Industry/State Spill Protection Partnership.
- d) Participate and report to the Region V Regional Response Team (RRT) and the Region V Inland Area Planning Committee (IAPC).
- e) Convene and coordinate activities of the Project Team and Advisory Committee of the Agricultural Profile Project.
- f) Provide staff support to the Water Resources Management Committee.
- g) Provide staff support to the Statewide Public Advisory Council (SPAC) for Michigan's Areas of Concern and convening of the Annual Statewide Citizens' Conference.
- h) Provide staff support of the Great Lakes Panel on Aquatic Nuisance Species and related subcommittees.
- i) Build and strengthen alliances between the state Aquatic Nuisance Species programs and state coastal management programs to provide a more comprehensive and coordinated approach to addressing ANS issues.
- j) Expand opportunities for representatives from Great Lakes Areas of Concern (AOCs) to meet, discuss, and exchange information and ideas and to disseminate this information to AOCs throughout the Basin.

- 4) Develop and strengthen resource management and environmental quality programs through the development of regional models.

Strategic Actions:

- a) Work with US EPA Region V on Sub-area Contingency Plans in the Great Lakes Basin (Detroit Sub-area being the first model).
- b) Prepare a regional model for State Aquatic Nuisance Species Management Plans to facilitate the development of individual state management plans pursuant to P.L. 101-646.
- c) Support efforts to develop a regional model to integrate pollution prevention into the Remedial Action Process.

5. Increase public awareness and involvement regarding Great Lakes issues through development and enhancement of regional information and education programs.

Strategic Actions:

- a) Develop World Wide Web Pages on the Internet for Contingency Planning.

- b) Publish a quarterly newsletter insert titled *ANS Update* for the purpose of educating and informing readers on Great Lakes Panel activities, events, publications, and important issues relating to the zebra mussel and other aquatic nuisance species.
 - c) Implement an Information/Education Strategy on Aquatic Nuisance Species to initiate prevention and control actions.
 - d) Raise awareness within the Remedial Action Plan (RAP) community on role of pollution prevention in the RAP process and continue to promote (through the SPAC), public participation in the development and implementation of RAPs.
 - e) Develop and implement regional information and education strategy for the Great Lakes Basin Program for Soil Erosion and Sediment Control.
 - f) Inform educators about the Great Lakes through distribution of the Groundwater Education Guidebook, Soil Erosion and Nonpoint Source Education Curricula and the *Keeping it on the Land* booklet and related inserts.
- 6) Develop and manage regional grants programs, cooperative agreements and exchange programs.

Strategic Actions:

- a) Manage a regional demonstration grants program under the Great Lakes Basin Program for Soil Erosion and Sediment Control.
- b) Manage an Areas of Concern Public Involvement Demonstration Grants Program for the Michigan Statewide Public Advisory Council (SPAC).
- c) Manage and coordinate activities of project team partners under the Agricultural Profile Project.
- d) Provide oversight in the preparation and publication of a national newsletter on aquatic nuisance species by the Freshwater Foundation.

Transportation and Economic Development Program

Goal: To promote sustainable, resource-based economic activity and the use, development and maintenance of the Great Lakes-St. Lawrence transportation system.

Objectives:

- 1) Encourage sustainable development as a model for future economic activity in the Great Lakes Basin.

Strategic Actions

- a) Establish a consensus definition and description of sustainable development among both public and private sector interests.
- b) Identify existing sustainable development policies and practices in the region.
- c) Create a clearinghouse or file system to inventory examples of industry/business sustainable development practices.
- d) Seek outside funding support for one or more projects that will promote sustainable development.
- e) Investigate and describe unique attributes of sustainable development in freshwater ecosystems.

- 2) Promote and protect Great Lakes and St. Lawrence Seaway commercial navigation.

Strategic Actions

- a) Monitor U.S. and Canada administrative policies and legislation that pertain to Great Lakes and Seaway transportation.
- b) Advocate, to the Great Lakes Congressional Delegation, policy positions on relevant federal legislation that reflect consensus positions among the Great Lakes states.
- c) Serve in a regional coordination capacity to facilitate the *Declaration of Indiana* annual agenda development process along with Washington-based consultative session.
- d) Conduct studies and/or prepare information materials on various issues such as Soo Locks funding and financing alternatives.
- e) Promote waterborne transportation as a lower-cost, less polluting and energy consuming form of goods movement.
- f) Study and promote overnight cruise vessel service for the Great Lakes- St. Lawrence River system.
- g) Encourage complementary and/or compatible uses of unused port/harbor adjacent lands.

- 3) Encourage Great Lakes states trade with Canada.

Strategic Actions:

- a) Advocate policies that support adequate levels of U.S. border control personnel.

- b) Advocate policies that support adequate investment in cross border infrastructure.
 - c) Monitor levels of Canadian trade with Great Lakes states and maintain up-to-date statistical information.
 - d) Advocate federal and state policies that support and facilitate international trade development.
- 4) Encourage environmentally compatible use of Great Lakes water by industry.

Strategic Actions:

- a) Monitor Great Lakes water use by industry and maintain relevant supporting information.
 - b) Assess trends in manufacturing water use and identify particular problems.
 - c) Investigate opportunities for business/industry recruitment based on water quality and availability criteria.
 - d) Promote water recycling and water reuse by industry reliant on Great Lakes water.
- 5) Promote the Great Lakes region's "quality of life" to residents and visitors.

Strategic Actions:

- a) Investigate and document various "quality of life" attributes pertaining to the region.
- b) Investigate and document the importance of the marine (Great Lakes) and coastal recreation economy.
- c) Continue to facilitate member state and local promotion of the Great Lakes Circle Tour;
- d) Monitor and assess regional tourism trends.
- e) Seek opportunities to promote Great Lakes region tourism.

Communications Program

Goal: To promote informed public policy decisions by strengthening information flow, developing and applying communications technology, and managing data and information for the benefit of member states and other public and private sector entities.

Objectives:

- 1) Provide timely, relevant information about Commission programs and policies, as well as regional issues and events.

Strategic Actions

- a) Publish and distribute, in both print and electronic format, Commission reports, newsletters, brochures and policy documents.
- b) Work cooperatively with member states and others to promote wide coverage of important regional issues.
- c) Respond to phone, mail or in-person enquiries about Great Lakes regional issues.
- d) Coordinate regional calendar of events.
- e) Support communications activities of the Commission's other program areas.

- 2) Promote use of the region's information infrastructure to support informed policymaking.

Strategic Actions

- a) Develop and maintain the Internet-based Great Lakes Information Network infrastructure.
- b) Train staff from member state agencies and others to use advanced communications technology.
- c) Facilitate regional acceptance and use of common information-sharing protocols and standards.

- 3) Promote sound regional decisionmaking by developing coordinated data collection, storage and distribution systems.

Strategic Actions

- a) Identify data gaps hindering informed policymaking and promote cooperative regional action to address these unmet needs.
- b) Develop common research protocols to facilitate regional environmental analyses.
- c) Coordinate collection and analysis of data on a regionwide level.
- d) Provide policymakers easy access to regional research findings.

Regional Coordination Program

Goal: To strengthen the collective Great Lakes management effort by providing regional leadership, generating consensus on regional priorities among diverse interests and building partnerships for decisive regional action.

Objectives:

- 1) Strong linkages between the research, policy and management communities to promote informed public policy decision-making.

Strategic Actions:

- a) Support the development and use of a research inventory as a reference tool.
- b) Develop a consensus-based process to prioritize research needs on the basis of critical resource policy and management issues.
- c) Inform all relevant funding entities (e.g., public agencies, private foundations, corporate giving programs) of resource policy and management priorities, and encourage programming that addresses these priorities.
- d) Establish technology transfer as primary goal in all Commission coordination and communication efforts (e.g., Commission meetings, Advisor, Great Lakes Information Network).

- 2) A forum for open dialogue and decision making on critical regional issues involving all interested parties.

Strategic Actions:

- a) Encourage strong representation and participation from the community of Great Lakes Saint Lawrence interests in Commission meetings, task force and committee activities, policy position deliberations and related functions.
- b) Sponsor or otherwise participate in periodic "summit" meetings of regional agencies for the purpose of information sharing, coordination, issue prioritization and collective action.
- c) Pursue issue-specific projects where exchange of information and viewpoints can enlighten public policy debate and assist member states in policy making responsibilities.

- 3) Policies, position statements and management principles that provide guidance in implementing an ecosystem approach to Great Lakes management.

Strategic Actions:

- a) Maintain update and, broadly disseminate the Commission's policy positions document, and encourage its use as a reference guide in legislative, program development and policymaking activity.
- b) Promote the continued development, endorsement, distribution and usage of the Ecosystem Charter for the Great Lakes St. Lawrence Basin for the purposes of information/education, coordination and advocacy.

- c) Promote endorsement, distribution and usage of the Declaration of Indiana maritime agreement, and its associated action agenda, as a means to demonstrate unity of purpose in advocacy activities.
- 4) Support for both new and established organizations that share common goals and priorities with the Great Lakes Commission.

Strategic Actions:

- a) Where mutually beneficial, provide secretariat and other support services to other organizations and organizational activities that share Commission goals and priorities.
 - b) Promote and support development of new organizations that can provide a collective voice for important sectors of the Great Lakes St. Lawrence community.
 - c) Encourage the appointment of Commission members and staff to leadership roles in regional/national associations, commissions and other organizations that share Commission goals and priorities.
- 5) A unified regional voice on critical public policy issues associated with resource management, environmental protection, transportation and economic development.

Strategic Actions:

- a) Maintain a strong presence in Washington, D.C., using issues briefings, Congressional hearings, and other special events as a means to present a unified regional voice to legislators, and other policy makers.
- b) Provide advisory services and policy recommendations to clients within the region, including governors; legislators; federal, provincial, and state agencies; and the larger community of policy makers and opinion leaders.
- c) Maintain a strong outreach program to the media and the general public as a means to share information on member state interests and policy positions.



Argus II Building
400 Fourth Street
Ann Arbor, MI 48103-4816
Ph: 313-665-9135 • Fax: 313-665-4370

Executive Committee

Patrick R. Ralston, Chair, *Indiana*
Donald R. Vonnahme, Vice Chair, *Illinois*

Frank Kudrna, *Illinois*
Thomas Huntley, *Minnesota*
Donald C. Anderson, *Ohio*

Nathaniel E. Robinson, *Wisconsin*

Frank J. Kelley, *Michigan*
Langdon Marsh, *New York*
Joseph K. Hoffman, *Pennsylvania*

COMMISSIONERS

ILLINOIS

Dr. Frank Kudrna
Kudrna & Associates, Ltd.
400 S. Green Street, Suite 304
Chicago, IL 60607
(312) 738-1522

Mr. E. Norman Sims, Jr., Deputy Director
Illinois Dept. of Commerce and
Community Affairs
620 E. Adams
Springfield, IL 62701
(217) 785-6174

Mr. Anthony G. Ianello, Executive Director
Illinois International Port District
3600 E. 95th Street
Chicago, IL 60617
(312) 646-4400

Mr. Donald R. Vonnahme, Director
Division of Water Resources
Illinois Dept. of Transportation
3215 Executive Park Drive
P.O. Box 19484
Springfield, IL 62794-9484
(217) 782-2152

Mr. Brent Manning
Director of Conservation
Illinois Dept. of Conservation
524 S. Second St., Room 400
Springfield, IL 62701
(217) 782-6302

INDIANA

* Mr. Patrick Ralston, Director
IN Dept. of Natural Resources
402 West Washington - Rm. W-256
Indianapolis, IN 46204
(317) 232-4020

Mr. Ray G. Sierra, Vice President
International Longshoremen's Assn.
Local 1969
Port of Indiana
Portage, IN 46368
(219) 787-9189

Ms. Kathy Prosser, Commissioner
Indiana Dept. of Envir. Mgmt.
105 S. Meridian St.
P.O. Box 6015
Indianapolis, IN 46206-6015
(317) 232-8162

Mr. Gerry Nannenga
780 Union St.
Hobart, IN 46342
(219) 942-0518

Mr. E. Peter McCarthy, Port Director
Burns International Harbor
Indiana Port Commission
6600 U.S. Highway 12
Portage, IN 46368
(219) 787-8636

MICHIGAN

*Hon. Frank Kelley, Attorney General
State of Michigan
Law Building
Lansing, MI 48902
(517) 373-1110

(vacancy)

Hon. Connie Binsfeld
Lt. Governor, State of Michigan
P.O. Box 30026
Lansing, MI 48909
(517) 373-6800

Professor Frank M. D'Itri
Institute of Water Research
115 Manly Miles Bldg.
1405 S. Harrison Rd.
Michigan State University
East Lansing, MI 48824
517-353-3744

Hon. Tracey Yokich
State Representative
Michigan House of Representatives
State Capitol
Lansing, MI 48909
517-373-2648

MINNESOTA

Hon. Mary Murphy
State Representative
Minnesota Legislature
557 State Office Bldg.
St. Paul, MN 55155
(612) 296-2676

Hon. Steve Novak
State Senator
Minnesota Senate
301 State Capitol
St. Paul, MN 55155
(612) 296-4334

Hon. Thomas Huntley, Ph.D.
State Representative
387 State Office Building
St. Paul, MN 55719
(612) 296-2228

Hon. Cal Larson
State Senator
145 State Office Bldg.
St. Paul, MN 55155
(612) 296-5655

Mr. Theodore Mellby
HC75, Box 442
Hackensack, MN 56452
(218) 675-6911

NEW YORK

Mr. Langdon Marsh
Commissioner
NY Dept. of Environ. Conservation
50 Wolf Road
Albany NY 12233

Mrs. Joan Gipp
Township of Lewiston
1468 Ridge Road
Lewiston, NY 14092
(716) 278-8212 (office)
(716) 754-7169 (messages)

(Vacancy)

Mr. Henry G. Williams
46 Hiawatha Drive
Guilderland, New York 12084
(518) 456-6886

OHIO

*Mr. Donald C. Anderson, Director
Ohio Dept. of Natural Resources
Fountain Square
Columbus, OH 43224
(614) 265-6877

(Vacancy)

Hon. Ronald Suster
State Representative
18519 Underwood Avenue
Cleveland, OH 44119-2917
(614) 466-8012

Mr. Don Schregardus, Director
OH Environmental Protection Agency
P.O. Box 163669
Columbus, OH 43216-3669
(614) 644-2782

Mr. George J. Ryan, President
Lake Carriers' Association
614 Superior Ave., West
915 Rockefeller Building
Cleveland, OH 44113-1383
(216)-621-1107

PENNSYLVANIA

*Mr. Joseph K. Hoffman, Assistant Dir.
Bureau of Water Supply & Community
Health
PA Dept. of Environmental Resources
P.O. Box 8467
Harrisburg, PA 17105-8467
(717) 787-5017

Mr. Sidney Smith, President
Erie Sand Steamship Co.
P.O. Box 179
Erie, PA 16512
(814) 453-6721

Hon. Anthony B. Andrezeski
State Senator
Senate P.O. Box 50
Harrisburg, PA 17120
(717) 787-8927

WISCONSIN

Mr. Nathaniel E. Robinson,
Administrator
Div. of Energy &
Intergovernmental Relations
Dept. of Administration
101 E. Wilson St.
P.O. Box 7868
Madison, WI 53707-7868
(608)-266-7257

Mr. David Kluesner
Policy Advisor, Governor's Office
115 East State Capitol
Madison, WI 53702
(608)-266-1212

(Vacancy)

GLC EXECUTIVE DIRECTOR

Michael J. Donahue, Ph.D.
Executive Director
Argus II Building
400 Fourth St.
Ann Arbor, MI 48103-4816

ALTERNATES**ILLINOIS**

Commissioner: Frank Kudrna
Alternate:
Donald R. Vonnahme, Director
Division of Water Resources
Illinois DOT
3215 Executive Park Drive
P.O. Box 19484
Springfield, IL 62794-9484
(217) 782-2152

Commissioner: Donald R. Vonnahme
Alternate
Dan Injerd, Chief
Lake Michigan Mgmt. Section
Illinois Dept. of Transportation
310 S. Michigan Ave. - Room 1606
Chicago, IL 60604
(312) 793-3123

Commissioner: Brent Manning
Alternate
John Comerio, Deputy Director
IL Dept. of Conservation
524 S. 2nd St.
Lincoln Tower Plaza, Room 400
Springfield, IL 62704
(217) 785-8517

INDIANA

Commissioner: Patrick Ralston
Alternate
David Herbst, Deputy Director
Bureau of Water and Resource Regulation
Indiana Dept. of Natural Resources
402 W. Washington, Rm. W-256
Indianapolis, IN 46204
(317) 232-4027

MICHIGAN

Commissioner: Frank J. Kelley
Alternate:
A. Michael Leffler, Assist. Attorney General
Natural Resources Division
P.O. Box 30028
Lansing, MI 48909
(517) 373-7540
or
Stanley D. Steinborn
Chief Assistant Attorney General
Dept. of Attorney General
State of Michigan
Lansing, MI 48913
(517) 373-1110

Commissioner: Connie Binsfeld
Alternate:
Dan Stouffer
Administrative Assistant
Office of Lt. Governor,
State of Michigan
P.O. Box 30026
Lansing, MI 48909
517-373-6800

MINNESOTA

Commissioner: Cal Larson
Alternate:
Hon. Edward Oliver
State Senator
121 State Office Bldg.
St. Paul, MN 55155
(612) 296-4837

Commissioner: Tom Huntley
Alternate:
Henry Hanka, Executive Director
Arrowhead Regional Development Comm.
330 Canal Park Drive
Duluth, MN 55806
(218) 722-5545

OHIO

Commissioner: Donald C. Anderson
Alternate
Wayne Warren
Deputy Director
Office of Outdoor Recreation Services
Ohio Dept. of Natural Resources
Fountain Square, Bldg. D-3
Columbus, OH 43224
(614) 265-6845

Commissioner: Donald Schregardus
Alternate
Jeffrey Busch, Executive Director
Ohio Lake Erie Office
One Maritime Plaza
Toledo, OH 43604-1866
(419) 245-2514

Commissioner: George Ryan
Alternate
James Hartung, President
Toledo-Lucas County Port Authority
One Maritime Plaza
Toledo, OH 43604-1866
(419) 243-8251

NEW YORK

Commissioner: Langdon Marsh
Alternate
Gerald Mikol, Research Scientist
New York Dept. of Envir. Conservation
Policy Analysis Division
50 Wolf Road
Albany, NY 12233
(518) 457-6610



GREAT LAKES COMMISSION OBSERVERS

U.S. ARMY CORPS OF ENGINEERS

Mr. Alfred P. Behm
Chief, Planning Division
U.S. Army Corps of Engineers
North Central Division
111 N. Canal Street
Chicago, IL 60606-7205
(312) 353-6345

U.S. DEPT OF COMMERCE

Dr. Alfred Beeton, Director
Great Lakes Environmental Research Lab.
National Oceanic & Atmospheric Admin.
U.S. Dept. of Commerce
2205 Commonwealth Blvd.
Ann Arbor, MI 48105-1593
(313) 741-2244

U.S. DEPT. OF AGRICULTURE

Mr. Robert Burris
Great Lakes Coordinator
U.S.D.A. - Soil Conservation Service
Ohio Lake Erie Office
One Maritime Plaza
Toledo, OH 43604-1866
(419) 245-2514

COUNCIL OF GREAT LAKES GOVERNORS

Ms. Cristena Bach
Executive Director
Council of Great Lakes Governors
35 East Wacker Drive
Suite 1850
Chicago, IL 60601
(312) 407-0177

U.S. DEPT. OF THE INTERIOR

Ms. Carolyn Bohan
Great Lakes Coordinator
U.S. Fish and Wildlife Service
1405 S. Harrison Rd., Room 308
East Lansing, MI 48823
517-337-6807
517-337-6812

Mr. Dan Kimball
Chief, Water Resources Division
National Park Service
1201 Oakridge Dr., Ste. 250
Fort Collins, Colorado 80525
(303) 225-3501

U.S. DEPT. OF TRANSPORTATION

Mr. Stanford E. Parris, Administrator
St. Lawrence Seaway Development Corp.
U.S. Dept of Transportation
400 Seventh St., S.W. - Room 5424
Washington, D.C. 20590
(202) 366-0091

Thomas M. Daley, Captain
Ninth Coast Guard District
1240 East Ninth Street
Cleveland, OH 44199-2060
(216) 522-3994

U.S. ENVIRONMENTAL PROTECTION AGENCY

Mr. Chris Grundler, Director
Great Lakes National Programs Office
U.S. Environmental Protection Agency
77 W. Jackson Blvd.
Chicago, IL 60604
(312) 353-2117

GREAT LAKES FISHERY COMMISSION

Mr. Christopher I. Goddard
Executive Secretary
Great Lakes Fishery Commission
2100 Commonwealth Blvd., Suite 209
Ann Arbor, MI 48105-1563
(313) 662-3209

INTERNATIONAL JOINT COMMISSION

Mr. Douglas McTavish, Director
Great Lakes Regional Office
International Joint Commission
P.O. Box 32869
Detroit, MI 48232
(313) 226-2170 or (519) 256-7821

CANADIAN GOVERNMENT (FEDERAL)

Ms. Sheila Tooze
Environmental Affairs Officer
Canadian Embassy
501 Pennsylvania Avenue, N.W.
Washington, D.C. 20001
(202) 682-1740 X-7413

PROVINCE OF ONTARIO

Ms. Lorraine Ratnik
Senior Policy Advisor-U.S., Latin America and the
Caribbean
Office of International Relations and Protocol
Ministry of Economic Dev. and Trade
16th Floor, 56 Wellesley St. W.
Toronto, ONT M7A 2E1
(416) 325-8538

PROVINCE OF QUEBEC

Mr. Jean Duquette, Director General
United States Bureau
Ministry of International Affairs
Centre Commercial Mondial
380 St. Antoine West - 4th Floor
Montreal, Quebec H2Y 3X7
(514) 499-2189

Mr. Michel Roy
Senior Representative
Quebec Government
Two Prudential Plaza, Suite 4300
1800 N. Stetson Ave.
Chicago, IL 60601
(312)-856-0655

CHIPPEWA/OTTAWA TREATY FISHERY MGMT. AUTHORITY

Mr. Bernard Bouchor, Chair
COTFMA
Albert LeBlanc Bldg.
186 E. Three Mile Rd.
Sault Ste. Marie, MI 49783
(906) 632-0043

GREAT LAKES SEA GRANT NETWORK

Dr. William S. Vorus
Chair
Great Lakes Sea Grant Network
2200 Bonisteel Blvd.
University of Michigan
Ann Arbor, MI 48109-2099
(313) 763-1437

U.S. GEOLOGICAL SURVEY

Mr. Daniel P. Bauer
Area Hydrologist
U.S. Geological Survey
Water Resources Division
6417 Normandy Lane
Madison, Wisconsin 53719
(608) 276-3811

Mr. Virgil Frizzell
Deputy for Great Lakes Research
U.S. Geological Survey
Great Lakes Environmental Research Lab
2205 Commonwealth Blvd.
Ann Arbor, MI 48105
(313) 741-2055

GREAT LAKES COMMISSION
STATE ADVISORS

NATURAL RESOURCES MANAGEMENT

ILLNOIS

INDIANA

Mr. Stephen Davis
Great Lakes Specialist
Division of Water
Indiana DNR
100 W. Water St.
Michigan City, IN 46360
219-874-8316

MICHIGAN

Mr. Chris Shafer, Chief
Great Lakes Shorelands Section
Land & Water Management Div.
Michigan DNR
P.O. Box 30028
Lansing, MI 48909
517-373-1950

MINNESOTA

Mr. Joe Gibson, Supervisor
Policy, Planning & Data
Systems Unit
Division of Waters, Minnesota DNR
500 Lafayette Rd.
St. Paul, MN 55155
612-296-2773

Mr. Ron Nargang,
Deputy Commissioner
Minnesota DNR
500 Lafayette Rd.
St. Paul, MN 55155-4032
612-296-4806

Mr. Chuck Williams
Commissioner
MN Pollution Control Agency
520 Lafayette Rd., 6th Floor
St. Paul, MN 55155

OHIO

Mr. Mike Calvin, Administrator
Coastal Management Program
Ohio, DNR
Fountain Square - Bldg. C-4
Columbus, OH 43224
614-265-6413

Dr. Jeff Busch, Director
Ohio Lake Erie Office
One Maritime Plaza
Toledo, OH 43604-1866
419-245-2514

PENNSYLVANIA

Mr. Richard H. Zinn,
Regional Director
Dept. of Env. Resources
1012 Water Street
Meadville, PA 16335
814-724-8557

Mr. Roger Kenyon
N.W. Area Fisheries Manager
PA Fish Commission
P.O. Box 531
Fairview, PA 16415
814-474-1514

Mr. E. James Tabor, Chief
PA Dept. of Envir. Resources
Coastal Zone Management Division
400 Market St., 11th Floor
P.O. Box 8555
Harrisburg, PA 17105-8555
717-787-2529
Fax: 717-787-9549

WISCONSIN

Mr. Charles Burney, Acting Chief
WI Dept. of Natural Resources
Nonpoint Source & Land
Management Section
101 S. Webster
P.O. Box 7921
Madison, WI 53702
608-267-9352

GREAT LAKES COMMISSION
STATE ADVISORS

TRANSPORTATION & ECONOMIC DEVELOPMENT

ILLINOIS

Jim Johnson
Division of Water Resources
IL Dept. of Transportation
310 S. Michigan Ave., Room 1606
Chicago, IL 60604
312-793-3123

Mr. Howard Wise, Manager
Office of Industrial Development
Department of Development
P.O. Box 1001
Columbus, OH 43266-0101
614-466-4551

MICHIGAN

Mr. Larry Karnes
Marine Specialist
MI Dept. of Transportation
P.O. Box 30050
Lansing, MI 48909
517-373-9058

PENNSYLVANIA

MINNESOTA

Mr. Davis Helberg, Port Director
Seaway Port Authority of Duluth
P.O. Box 16877
1200 Port Terminal Drive
Duluth, MN 55806
218-727-8525

WISCONSIN

Mr. Al Johnson
Brown County Board of Harbor
Commissioners
P.O. Box 1600
Green Bay, WI 54305
414-497-3265

Mr. Dale Baker, Assoc. Director
Minnesota Sea Grant
Extension Program
208 Washburn Hall
2305 East Fifth St.
University of Minnesota-Duluth
Duluth, MN 55812-1445
218-726-8106

Mr. George Gundersen, Director
Bureau of System Planning
Wisconsin Dept. of Transportation
Room 901 - Div. of Planning & Budget
Madison, WI 53707-7913
608-266-1042

Mr. Richard F. Lambert, Director
Ports & Waterways Section
Minn. Dept. of Transportation
Suite 925. Kelly Annex
St. Paul, MN 55155
612-296-1609

OHIO

Mr. James Hartung, Chairman
Toledo-Lucas County Port Authority
One Maritime Plaza
Toledo, OH 43604-1866
419-243-8251

Ms. Carla Cefaratti, Deputy Director
Div. of Water Transportation
Dept. of Transportation
25 S. Front Street
Columbus, OH 43215
614-466-8981

GREAT LAKES COMMISSION

**The Argus II Building
400 Fourth St.
Ann Arbor, MI 48103-4816
Ph: 313-665-9135 - Fax: 313-665-4370 - e-mail: glc@great-lakes.org**

STAFF

**Executive Director
Michael J. Donahue, Ph.D.**

Program Managers

**Thomas R. Crane, Resource Management and Environmental Quality
Carol Ratza, Communications
Stephen J. Thorp, Transportation and Economic Development**

Program Staff

**Laura Beer, Project Manager, Resource Management and Environmental Quality
Bonnie Bouman, Specialist, Communications
Matt Doss, Specialist, , Resource Management and Environmental Quality
Katherine Glassner-Shwayder, Project Manager, Resource Management and Environmental Quality
Mike Hyslop, Specialist, Resource Management and Environmental Quality
Christine Manninen, Specialist, Communications
Paula D. McIntyre, Project Manager, Communications
James Nicita, Specialist, Resource Management and Environmental Quality
Victoria Pebbles, Specialist, Regional Coordination
Lori Reynolds, Project Manager, Resource Management and Environmental Quality
Lisa E. Rives, Specialist, Resource Management and Environmental Quality**

Administrative Staff

**Cappy Bilakos, Financial Officer
Marilyn Ratliff, Database Administrator
Rita J. Straith, Manager, Support Services
Celeste Whiting, Office Assistant**

Albert G. Ballert, Director of Research, Emeritus

**Agricultural Profile Project
Advisory Committee Members**

State Agencies

Christine Lietzau, Director
Environmental Division
Michigan Department of Agriculture
P.O. Box 30017
Lansing, MI 48909
517-373-2620
fax: 517-335-3329

Provincial Agencies

Richard Aucoin, Senior Environmental Toxicologist
Standards Development Branch
Ontario Ministry of Environment and Energy
2 St. Clair Ave. West, 12th floor
Toronto, Ontario M4V1L5
416-323-5134
fax: 416-323-5166

Regional Organizations

Jerry Hytry
Executive Director
Conservation Technology Information Center
1200 Potter Drive, Room 170
Purdue Research Park
West Lafayette, IN 47906-1334
317-494-9555
fax: 317-494-5969

Bruce Kirschner
Great Lakes Regional Office
International Joint Commission
P.O. Box 32869
Detroit, MI 48232
519-257-6710
fax: 519-257-6740

Harold Rudy
Manager of Program Division
Ontario Soil and Crop Improvement Association
Guelph Agricultural Center
Box 1030
Guelph, Ontario N1H6N1
519-767-4603
fax: 519-767-4605

Jerry Wager, Chair, Soil Erosion and Sedimentation
Control Task Force
Division of Soil and Water Conservation
Ohio Department of Natural Resources
Fountain Square - Bldg. E
Columbus, OH 43224
614-265-6619
fax: 614-262-2064

Academic Researchers

Sandra Batie
Agricultural Economics Department
Agriculture Hall, Room 204
Michigan State University
East Lansing, MI. 48824
517-355-4705
fax: 517-432-1800

David Baker
Director
Water Quality Laboratory
Heidelberg College
Tiffin, OH 44883
419-448-2201
fax: 419-448-2124

Warren Porter
University of Wisconsin
Zoology Research
1117 W. Johnson
Madison, WI 53706-1797
608-262-1719 (machine);
262-1051 (Zoology Dept.);
262-0029 (lab)
fax: 608-262-9083

Agribusiness

James Breinling, Agricultural Research Manager
Gerber Products Company
445 State Street
Fremont, MI 49413-0001
616-928-2466
fax: 616-928-2967

Nick Heather, Manager, Food Biochemistry
Gerber Products Company
445 State Street
Fremont, MI 49413-0001
616-928-2347
fax: 616-928-2964

U.S. and Canadian Federal Agencies

Jim Giattina, Deputy Director
Great Lakes National Programs Office
U.S. Environmental Protection Agency
77 W. Jackson Blvd.
Chicago, IL 60604
312-886-4040
fax: 312-353-2018

Bill Benjey
U.S. Environmental Protection Agency
79 T.W. Alexander Dr.
U.S. EPA Mail Drop 80
Research Triangle Park, NC 27711
919-541-0821
fax: 919-541-1379

Bob Burris, Great Lakes Water Quality Coordinator
USDA-Soil Conservation Service
Ohio Lake Erie Office
One Maritime Plaza
Toledo, OH 43604-1866
419-245-2514
fax: 419-245-2519

Gary Benjamin
Research Division
Federal Reserve Bank of Chicago
230 S. LaSalle
Chicago, IL 60604
312-322-5322, direct 5799
fax: 312-322-5214

Patricia Roberts-Pichette, Senior Scientific Advisor
Ecological Monitoring and Assessment Network
Environment Canada
7th Floor, Place Vincent Massey
Ottawa, Ontario K1A0H3
819-997-3728
fax: 819-994-2724

Terence McRae, Senior Environmental Analyst
Environment Bureau
Agriculture and Agri-Food Canada
Room 670, 930 Carling Ave.
Ottawa, Ontario K1A 0C5
613-943-1611
fax: 613-943-1612

Farm Interests

Vicki Pontz, Legislative Council
Michigan Farm Bureau
7373 W. Saginaw Highway
P.O. Box 30960
Lansing, MI 48909
517-323-7000, ext. 2046
fax: 517-323-6793

Mary Lou Garr
Ontario Federation of Agriculture
491 Eglinton Avenue West, 5th floor
Toronto, Ontario M5N 3A2
416-485-3333
fax: 416-485-9027

Sustainable Ag. Groups

John Lamb
Natural Resources Specialist
The Minnesota Project
1885 University Ave. West Suite 315
St. Paul, MN 55104
612-645-6159
fax: 612-645-1262

Ann Sorensen
American Farmland Trust
P.O. Box 987
DeKalb, IL 60115
815-753-9347
fax: 815-753-2305

George Boody, Executive Director
Land Stewardship Project
14758 Ostlund Trail North
Marine on St. Croix, MN 55047
612-433-2770
fax: 612-433-2704

**Agriculture Profile Project
Project Team Members**

Mr. Leonard Bruckman
Program Manager
Radian Corporation
10389 Old Placerville Rd.
Sacramento, CA 95827
PH: 910-363-5332
FAX: 910-362-2318

Ms. Polly Hoppin, Director
Agricultural Pollution Prevention Project
World Wildlife Fund
1250 Twenty Fourth St., N.W.
Washington, D.C. 20037-1175
PH: 202-293-4800
FAX: 202-293-9211

Ms. Lisa Lefferts
6719 Chillum Manor Rd.
Hyattsville, MD. 20783
PH/FAX 301-559-3630

Dr. Jon Bartholic
Mr. Yung-Tsung Kang
Mr. Stuart Gage
Ms. Laura Beer
Ms. Delores Andaluz
Institute of Water Research
Michigan State University
1405 S. Harrison Rd., Room 115
East Lansing, MI 48823
PH: 517-353-9785
FAX: 517-353-1821

Mr. Bruce MacDonald
Mr. Ian Jarvis
Ontario Land Resource Unit
Agriculture Canada
70 Fountain Square
Guelph, Ontario CA N1H 3N6
PH: 519-766-9180
Fax: 519-766-9182

Dr. Isobel W. Heathcote, Associate Professor
School of Engineering
University of Guelph
Guelph, Ontario CA N1G 2W1
PH: 519-824-4120
FAX: 519-836-0227

Ms. Heather Potter
Great Lakes Protection Fund
35 East Wacker Dr., Suite 1880
Chicago, IL 60601
PH: 312-201-0660
FAX: 312-201-0683

Dr. Michael J. Donahue, Executive Director
Tom Crane
Jim Nicita
Mike Hyslop
Great Lakes Commission
Argus II Building
400 4th Street
Ann Arbor, MI 48103-4816
PH: 313-665-9135
FAX: 313-665-4370

GREAT LAKES COMMISSION
GREAT LAKES CIRCLE TOUR TASK FORCE

ILLINOIS

Rich Nowack, Manager, Special Projects
Bureau of Location & Environment
Illinois Dept. of Transportation
2300 South Dirksen Parkway, Rm. 115
Springfield, IL 62764
(217) 785-2130
FAX (217) 782-1927

Ann Ridge
Illinois Bureau of Tourism
Illinois Dept. of Commerce and
Community Affairs
100 West Randolph St., Suite 3-400
Chicago, IL 60601
(312) 814-4732

INDIANA

Director
IN Tourism Development Division
Department of Commerce
Suite 700, One North Capitol
Indianapolis, IN 46204-2243
(317) 232-8870
FAX (317) 232-4146

MICHIGAN

Jack E. Morgan., Assist to the Director
Michigan Dept. of Transportation
P.O. Box 30050
Lansing, MI 48909
(517) 373-0718
FAX (517) 373-0167

MINNESOTA

Dave Pickett, District Traffic Engineer
Minnesota Dept. of Transportation
1123 Mesaba Ave.
Duluth, MN 55811
(218) 723-4850
FAX (218) 723-4774

Tim Campbell
NE Regional Manager
Minnesota Office of Tourism
320 2nd St., #707
Duluth, MN 55806
(218) 723-4692
FAX: (218) 723-4689

NEW YORK

Mrs. Joan Gipp
Councilwoman
Township of Lewiston
1468 Ridge Rd.
Lewiston, NY 14092
(716) 439-6276

OHIO

Tracy Souders
Ohio Dept. of Transportation
25 S. Front St.
Room 400
Columbus, OH 43215
(614) 644-5311
FAX(614) 644-7175

PENNSYLVANIA

Thomas Ten Eyck, Director
Bureau of Transportation Systems
Performance
PA Dept. of Transportation
Transportation & Safety Bldg.
Room 906
Harrisburg, PA 17120
(717) 787-5796
FAX (717) 787-5491

WISCONSIN

Ruth Goetz
Wisconsin Tourism
2100 Beaser Ave.
Ashland, WI 54806
(715) 682-6529
FAX: (715) 682-8040

ONTARIO

John Robinson, Manager
Traffic Mgmt. & Eng. Office
Ontario Ministry of
Transportation
1201 Wilson Ave.
Downsview, Ont., M3M 1J8
(416) 235-3785
FAX (416) 235-4904

Ann Fraser
Ontario Ministry of Tourism & Rec.
Tourism Rec. Operations Div.
34 Simcoe St.-Suite 302
Barrie, Ontario L4N 6T4
(705) 737-3301
FAX (705) 737-5030

QUEBEC

Francine Lambert, Product Manager
Tourism Quebec
800 Place Victoria, Bureau 260
Montreal, Quebec H4Z 1C3
(514) 873-7977
FAX (514) 873-4623

REGIONAL INTERESTS

Bruce Hole, Manager
North of Superior Tourism
1119 E. Victoria Ave.
Thunder Bay, Ont P7C 1B7
(807) 626-9420
Fax: (807) 626-9421

Gary Fischer, President
West Michigan Tourist Assn.
136 East Fulton Street
Grand Rapids, MI 49053
(616) 456-8557
FAX (616) 456-8958

GREAT LAKES COMMISSION
STAFF

Steve Thorp, Program Manager
Transportation & Economic Dev.
400 Fourth St.
Ann Arbor, MI 48103-4816
(313) 665-9135
FAX (313) 665-4370

11-23-94

**GREAT LAKES DREDGED MATERIALS AND DISPOSAL OPTIONS
TASK FORCE**

ILLINOIS

*Dr. Frank Kudrna, President
Kudrna Associates Ltd.
203 W. Cass
Westmont, IL 60559
PH: 708-969-3060
FAX: 708-969-3122

Mr. Dan Injerd, Chief
Lake Michigan Mgmt. Section
Illinois Dept. of Transportation
310 S. Michigan Ave., 10th Floor
Chicago, IL 60604
PH: 312 793-3123
FAX: 312-793-5968

INDIANA

Port Director
Burns International Harbor
6600 U.S. Highway 12
P.O. Box 189
Portage, IN 46368
PH: 219-787-8636
FAX: 219-787-8842

Ms. Corinne Wellish
Assistant Commissioner
Office of Water Management
Dept. of Envir. Management
105 South Meridian
Indianapolis, IN 46225
PH: 317-232-8476
FAX: 317-232-5539

Mr. Steve Davis
Lake Michigan Specialist
Division of Water
Lake Michigan Headquarters
100 West Water St.
Michigan City, IN 46360
PH: 219-874-8316
FAX: (same)

MICHIGAN

Mr. William Creal, Chief
Water Quality Assessment Section
Surface Water Quality Division
Michigan DNR
P.O. Box 30028
Lansing, MI 48909
PH: 517-335-4181
FAX: 517-373-9958

MINNESOTA

Mr. Henry K Hanka
Executive Director
Arrowhead Regional Dev. Comm.
330 Canal Park Dr.
Duluth, MN 55806
PH: 218-722-5545
FAX: 218-727-2335

Mr. Richard F. Lambert, Director
Ports and Waterways Section
MN Dept. of Transportation
Suite 925, Kelly Annex
St. Paul, MN 55155
PH: 612-296-1609
FAX: 612-297-1887

NEW YORK

Mr. John Zambrano
Division of Water
NYS Dept. of Envir. Conservation 50
Wolf Road
Albany, NY 12233-3508
PH: 518-457-3651
FAX: 518-457-1088

Dr. Gary McVoy, Director
Environmental Analysis Bureau
NY Dept. of Transportation
State Office Campus
Bldg. 5, Room 303
Albany, NY 12232
PH: 518-457-5672
FAX: 518-457-6887

OHIO

Dr. Jeff Busch, Executive Director
Lake Erie Office
One Maritime Plaza
Toledo, OH 43604-1866
PH: 419-243-8251
FAX: 419-243-1835

PENNSYLVANIA

Mr. James Rozakis
Assistant Regional Director
PA Dept. of Envir. Resources
1012 Water St.
Meadville PA 16335
PH: 814-332-6945
FAX: 814-332-6831

WISCONSIN

Ms. Ellen Fisher, Chief
Harbors and Waterways Section
WI Dept. of Transportation
4802 Cheboygan Ave.
P.O. Box 7914
Madison, WI 53707-7914
PH: 608-267-9319
FAX: 608-267-6748

FEDERAL OBSERVERS

Mr. Alfred P. Behm
Chief, Planning Division
U.S. Army Corps of Engineers
North Central Division
111 N. Canal Street
Chicago, IL 60606-7205
PH: 312-353-6345
FAX: 312-353-3138

**ENVIRONMENTAL
PROTECTION AGENCY**

(to be designated)

REGIONAL INTERESTS

Ms. Allegra Cangelosi
Northeast-Midwest Institute
210 "D" Street, 1st Floor
Washington, D.C. 20003
PH: 202-544-7494
FAX: 202-544-0043

Mr. Rick Harkins, Vice President
Lake Carriers' Association
614 Superior Ave., N.W.
915 Rockefeller Bldg.
Cleveland, OH 44113-1306
PH: 216-621-1107
FAX: 216-241-8262

Mr. Ken Szallai, President
International Association of Great
Lakes Ports
One Maritime Plaza
Toledo, OH 46304-1866
PH: 419-243-8251
FAX: 419-243-1835

INFORMATION

Mr. Chris Shafer, Chief
Great Lakes Shorelands Section
Land and Water Mgmt. Division
Michigan DNR
P.O. Box 30028
Lansing, MI 48909
PH: 517-335-4212
FAX: 517-373-9965

**GREAT LAKES COMMISSION
STAFF**

Steve Thorp, Program Manager
Transportation & Economic
Development
400 Fourth St.
Ann Arbor, MI 48103-4816
PH: 313-665-9135
FAX: 313-665-4370

* Task Force Chairman

11-23-94

ECOSYSTEM CHARTER ADVISORY COMMITTEE

This list reflects Committee members as of project start-up in late 1992. Some committee members' names and/or addresses may have changed. Please contact the Great Lakes Commission for more information.

George Francis
Faculty of Environmental Studies
2000 University Ave. West
University of Waterloo
Waterloo, ONT N2L 3G1
PH: 519-885-1211
FAX: 519-746-2031

James Haveman, Executive Director
Northwest Michigan Resource
Conservation and Development Council, Inc.
3193 Logan Valley Road
Traverse City, MI 49684-4772
PH: 616-946-6817
FAX: 616-946-4410

Joe Koonce, Professor
Department of Biology
Case Western Reserve University
2040 Adelbert Rd.
Cleveland, OH 44106
PH: 216-368-3561
FAX: 216-368-4672

Sally Lerner, Professor
Faculty of Environmental Studies
University of Waterloo
2000 University Ave. West
Waterloo, ONT N2L 3G1
PH: 519-885-1211
FAX: 519-746-2031

Barry Rabe, Associate Professor
Public Health Policy and Administration
1420 Washington Heights
University of Michigan
Ann Arbor, MI 48109-2029
PH: 313-936-0939
FAX: 936-0927

Henry Regier, Professor
Institute for Environmental Studies
University of Toronto
Haultain Bldg., Room 311-A
170 College St.
Toronto, ONT M5S 1A4
PH: 416-978-7338
FAX: 416-978-3884

Laura Rose-Day
Lake Superior Project Manager
National Wildlife Federation
Great Lakes Natural Resources Center
506 E. Liberty, 2nd Floor
Ann Arbor, MI 48104-2210
PH: 313-769-3351
FAX: 313-769-1449

Sally M. Leppard, Director
Great Lakes Tomorrow
3 Church St., Suite 400
Toronto, ONT M5E 1M2
PH: 416-863-6777 or
1-800-267-9259
FAX: 416-863-6755

John Hartig, Associate Professor
Dept. Chemical Engineering
Wayne State University
5050 Anthony Wayne Dr.
Detroit, MI 48202
PH: 313-577-3608
FAX: 313-577-3881

Richard Munson
Executive Director
Northeast Midwest Institute
218 D. Street. S.E.
Washington, D.C. 20003
PH: 202-544-5200
FAX: 202-544-0043

Lester Milbrath, Professor
SUNY-Buffalo
Environmental Studies Center
123 Wilson Quad, Elliot Complex
Buffalo, NY 14261
PH: 716-645-2595
FAX: 716-645-2166

Kate Lidfors, Director
Sigurd Olson Environmental Institute
Northland College
Ashland, Wisconsin 54806-3999
PH: 715-682-1299
FAX: 715-682-1308

ECOSYSTEM CHARTER DRAFTING COMMITTEE

Great Lakes Fishery Commission
Bob Beecher, Executive Secretary
2100 Commonwealth Blvd.,
Suite 209
Ann Arbor, MI 48105-1563
PH: 313-662-3209
FAX: 313-741-2010

**Great Lakes Environmental
Research Lab., NOAA**
Al Beeton, Director
2205 Commonwealth Blvd.
Ann Arbor, MI 48105
PH: 313-741-2244
FAX: 313-741-2055

U.S. Army Corps. of Engineers
Al Behm, Chief
Planning Division
111 N. Canal St.
Chicago, IL 60606-7205
PH: 312-353-6345
FAX: 312-353-3138

National Park Service
Robert Brander, Great Lakes Coordinator
Research/Resource Management
National Park Service
Route 1, Box 4
Bayfield, WI 54814
PH: 715-779-3397
FAX: 715-779-3049

**NY Dept. of Environmental
Conservation**
Tom Brown, Regional Director
317 Washington St.
Watertown, NY 13601
PH: 315-785-2239
FAX: 315-785-2242

Jim Colquhoun, Chief
Bureau of Environmental Protection
50 Wolf Rd., Room 530
Albany, NY 12233-4756
PH: 518-457-6178
FAX: 518-485-8424

Ohio Lake Erie Office
Jeff Busch, Executive Director
One Maritime Plaza
Toledo, OH 43604-1866
PH: 419-245-2514
FAX: 419-245-2519

Great Lakes Sport Fishing Council
Dan Thomas, President
P.O. Box 297
Elmhurst, IL 60126
PH: 708-941-1351
FAX: 708-941-1196

State of Michigan
Hon. Connie Binsfeld
Lt. Governor, State of Michigan
P.O. Box 30026
Lansing, MI 48909
PH: 517-373-6800
FAX: 517-335-1812

Indiana Department of Natural Resources
Dave Herbst
402 W. Washington - Rm C-256
Indianapolis, IN 46204
PH: 317-232-4027
FAX: 317-232-8036

U.S. EPA-Region V
Kent Fuller
Assistant to the Director
Great Lakes National Program Off.
77 W. Jackson Blvd.
Chicago, IL 60604
PH: 312-353-3503
FAX: 312-353-2018

U.S. Soil Conservation Service
Jim Stacey
Asst. State Conservationist
1405 S. Harrison Rd., Rm. 101
E. Lansing, MI 48823
PH: 517-337-6702
FAX: 517-337-6905

International Joint Commission
Geoffrey Thornburn, Economics Advisor
International Joint Commission
100 Metcalfe St.
18th Floor, Berger Bldg.
Ottawa, ONT K1P 5M1
PH: 613-995-0433
FAX: 613-993-5583

Province of Ontario
Joyce McLean
Ontario Ministry of Envir. & Energy
135 St. Clair Ave., West, Suite 100
Toronto, ONT M4V 1P5
PH: 416-323-4364
FAX: 416-323-4682

Province of Quebec
(individual to be confirmed)

Wisconsin Dept. of Natural Resources
Chuck Ledin, Chief
Water Resources Policy & Planning Section
Bureau of Water Resources Mgmt.
101 Webster St.
Box 7921
Madison, WI 53707-7921
PH: 608-266-1956
FAX: 608-267-3579

Council of Great Lakes Governors
Sheila Leahy, Acting Executive Director
35 East Wacker Dr.
Suite 1850
Chicago, IL 60601
PH: 312-407-0177
FAX: 312-407-0038

Pollution Probe
Paul Muldoon, Counsel
12 Madison Ave.
Toronto, ONT M5R 2S1
PH: 416-926-1907
FAX: 416-926-1601

St. Lawrence Seaway Dev. Corp.
Ronald Rudolph
International Trade Specialist
P.O. Box 69
Deerfield, IL 60015
PH: 708-945-2682
FAX: 708-945-8523

Environment Canada
Harvey Shear, Director
Science & Integrated Programs Directorate
Conservation and Protection
867 Lakeshore Rd.
P.O. Box 5050
Burlington, ONT L7R 4A6
PH: 416-336-6271
FAX: 416-336-6272

Council of Great Lakes Industries
Grace Weber, Vice President, Environmental
Affairs
Eastman Kodak
1100 Ridgeway 1/320/KP
Rochester, NY 14652-3615
PH: 716-724-3348
FAX: 716-722-3173

Great Lakes United
Executive Director
State College at Buffalo, Cassety Hall
1300 Elmwood Ave
Buffalo, NY 14222
PH: 716-886-0142
FAX: 716-886-0303

National Biological Survey
Great Lakes Center
U.S. Dept. of Interior
Jon G. Stanley, Director
1451 Green Road
Ann Arbor, MI 48105
PH: 313-994-3331 ext 200
FAX: 313-994-8780

**Chippewa/Ottawa Treaty Fishery
Mgmt. Authority**
Amy Owen
Albert LeBlanc Bldg.
186 E. Three Mile Rd.
Sault Ste. Marie, MI 49783
PH: 906-632-0072
FAX: 906-632-1141

State of Illinois
Dan Injerd, Chief
Lake Michigan Mgmt. Section
Illinois Dept. of Transportation
310 S. Michigan Ave. - Room 1606
Chicago, IL 60604
(312) 793-3123
FAX: 312-793-5968

10-12-94

GREAT LAKES COMMISSION
GREAT LAKES GROUNDWATER EDUCATION TASK FORCE

ILLINOIS

Gary Clark
Chief of Planning & Research
Bureau of Program Development
IDOT/Division of Water Resources
2300 S. Dirksen Parkway, Room 339
Springfield, IL 62764
217-782-3488

Harry Hendrickson
Groundwater Education Coordinator
Research and Planning
IL Dept. of Energy & Natural Resources
325 W. Adams, Floor 1
Springfield, IL 62704
217-785-8577

INDIANA

Judith Beaty
Basin Studies Section
Indiana DNR, Division of Water
402 W. Washington, Room W264
Indianapolis, IN 46204
317-232-4222
Fax: 317-232-4579

James Hebenstreit, Assist Director
Indiana DNR, Division of Water
402 W. Washington, Room W264
Indianapolis, IN 46204
317-232-4163
Fax: 317-232-4579

MICHIGAN

Steve Miller
Office of Water Resources
Michigan DNR
P.O. Box 30028
Lansing, MI 48909
517-373-0014

Mozell Lange
Science Specialist
Michigan Dept. of Ed.
608 W. Allegan
Ottawa South Bldg. -2nd Fl.
School Program Services
Lansing, MI 48909
517-373-4223

MINNESOTA

John Wells, Director
Environmental Quality Board
Water Resources Committee
Minnesota State Planning Agency
Environmental Division
658 Cedar St.
300 Centennial Bldg.
St. Paul, MN 55155
612-297-2377

John Miller (through 10/91)
Science Education Specialist
Minnesota Education Dept.
550 Cedar St.
St. Paul, MN 55101
612-296-4069

NEW YORK

Mr. Salvatore Pagano, Director
Division of Water
NY DEC
50 Wolf Rd.
Albany, NY 12233
518-457-6674

OHIO

Tom Allen
Division of Groundwater
Ohio EPA
1800 Watermark Dr.
P.O. Box 1049
Columbus, OH 43226-0149
614-644-2905

Rebecca Petty
Division of Water
Ohio DNR
1939 Fountain Square, Bldg. E-1
Columbus, OH 43224
614-265-6744

PENNSYLVANIA

Paul Zeph
Community Relations Liaison
Office of Public Liaison
PA DER
P.O. Box 2063
Harrisburg, PA 17105-2063
717-783-7005

WISCONSIN

Gary Jackson
Extension Service
National Farm Assistance Prog. Coord.
B 142 Steenboch Library
University of WI
Madison, WI 53706
608-265-2773
FAX: 608-265-2775

Cathy Cliff
Bureau of Information & Education
WI Dept. of Natural Resources
P.O. Box 7921
Madison, WI 53707-7921
608-267-7529

FEDERAL

Joseph R. Wanielista
Plan Formulation Branch Planning Div.
U.S. Army Corps of Engineers
Detroit District
P.O. Box 1027
Detroit, MI 48231
313-226-6773

Ruth D. Shaffer, Water Quality Specialist
USDA - Soil Conservation Service
1405 S. Harrison Rd.
Lansing, MI 48823
517-337-6718

Kelly Warner
U.S.G.S.
Water Resources Division
102 E. Main St., 4th Floor
Urbana, IL 61801
217-398-5368

Barbara West
National Park Service
Water Resource Division
P.O. Box 25287
Denver, CO 80225
303-969-2815

Dr. A.R. Lefevre (through 12/91)
Inland Waters Directorate
Canadian Center for Inland Waters
P.O. Box 5050
Burlington, ONT L7R 4A6
416-336-4908

Jan A. Derecki, (through 11/91)
Research Hydrologist
Great Lakes Environmental Research Lab.
NOAA/U.S. Dept. of Commerce
2205 Commonwealth Blvd.
Ann Arbor, MI 48105-1593
313-668-2241

REGIONAL

Mike Libbee
Michigan Geographic Alliance
c/o Dept. of Geography, Central MI Univ.
Mount Pleasant, MI 48859
517-774-3723

Jessica Kovan
W.K. Kellogg Foundation
One Michigan Avenue East.
Battle Creek, MI 49017
616-968-1611

Carol Misseldine (through 11/92)
GEM Program Manager
Inst. of Water Research, MI State Univ.
334 Natural Resources Bldg.
East Lansing, MI 48824
517-353-3742

Linda Helstowski (from 11/92 to 12/93)
GEM Program Manager
Inst. of Water Research, MI State Univ.
334 Natural Resources Bldg.
East Lansing, MI 48824
517-353-3742

GLC STAFF

Tom Crane, Program Manager
Resource Management and
Environmental Quality

Carol Ratza, Program Manager
Communications

Great Lakes Commission
The Argus II Building
400 Fourth St.
Ann Arbor, MI 48103-4816
313-665-9135

GREAT LAKES INFORMATION NETWORK - GLIN

ADVISORY BOARD

2-3-95

CHAIR:

Virgil Frizzell, Jr.
Deputy for Great Lakes Research
U.S. Geological Survey
2205 Commonwealth Blvd.
Ann Arbor, MI 48105
P: (313) 741-2041
F: (313) 741-2055
frizzell@oemg.er.usgs.gov

DIRECTOR

Carol Ratza
Program Manager, Communications
Great Lakes Commission
400 Fourth St. ARGUS II Bldg.
Ann Arbor, MI 48103-4816
P: (313) 665-9135
F: (313) 665-4370
cratza@glc.org

MEMBERS

STATE

INDIANA

Michael Quigley
Director
Management Information Systems
Indiana Department of Natural Resources
402 W. Washington St., Room W255-C
Indianapolis, IN 46204-2748
P: (317) 232-4007
F: (317) 232-8036
mquigley@ideanet.doe.state.in.us

ILLINOIS

Kathy Bloomberg
Associate Director
Illinois State Library
300 South Second St.
Springfield, IL 62701
P: (217) 785-0052
F: (217) 782-6062
bloomberg@eagle.sangamon.edu

MICHIGAN

Douglas Jester
Fisheries Biologist
Michigan Department of Natural Resources
Fisheries Division
P.O. Box 30028
Lansing, MI 48909
P: (517) 373-3787
F: (517) 335-4053
jesterdo@pilot.msu.edu

MINNESOTA

To be appointed

NEW YORK

Gerald Mikol
Research Scientist
New York DEC
Policy Analysis Division
50 Wolf Road
Albany, NY 12233
P: (518) 457-6610
F: (518) 457-3945
gmikol@great-lakes.net

Tom Donovan
Director, Division of Management
Planning & Information Systems Devt
New York State DEC, Room 614
50 Wolf Road
Albany, NY 12233-2750
P: (518) 457-6367
F: (518) 457-1088
tdonovan@great-lakes.net

OHIO

James Morris
Chief, Real Estate and Land Management
Ohio Department of Natural Resources
Fountain Square, Building C-4
Columbus, OH 43224
(614) 265-6395
(614) 267-4764

PENNSYLVANIA

Steve Curcio
Community Relations Coordinator
Pennsylvania DER
1012 Water St.
Meadville, PA 16335-3494
P: (814) 332-6945
F: (814) 332-6831
scurcio@great-lakes.net

WISCONSIN

Lisa Palmer
Director of Information Technology
Governor's Office
115 E. State Capitol
Madison, WI 53702
P: (608) 266-5995/266-1212
F: (608) 267-8983
wisgov@greatlinks.cic.net

COUNCIL OF GREAT LAKES GOVERNORS

Cristena Bach
Executive Director
Council of Great Lakes Governors
35 East Wacker Drive, Suite 1850
Chicago, IL 60601
P: (312) 407-0177
F: (312) 407-0038
cbach@cedar.cic.net

PROVINCIAL**ONTARIO**

John Stager
Ontario Ministry of Environment & Energy
Environmental Monitoring & Reporting Branch
125 Resources Road, West Wing
Etobicoke, ON M9P 3V6
P: (416) 235-6199
F: (416) 235-6235
stagerj@gov.on.ca

QUEBEC

To be appointed

FEDERAL**ENVIRONMENT CANADA**

Darrel Piekarz
State of Environment Coordinator
Environment Canada
Environmental Conservation Branch
Ontario Region
25 St. Clair Ave. East
Toronto, ON M4T 1M2 Canada
P: (416) 954-3766, F: (416) 973-5665
piekarzd@aesont.dots.doe.ca

Wendy Leger
Water Issues Division
Environment Canada - Ontario Region
867 Lakeshore Road
Burlington, ON L7R 4A4
P: (905) 336-4630, F: (905) 336-4906
wendy.leger@cciw.ca

INTERNATIONAL JOINT COMMISSION

Mark Breederland
Water Resources Specialist
International Joint Commission
P.O. Box 32869
Detroit, MI 48232
P: (313) 226-2170
F: (519) 257-6740
breeder@server.uwindsor.ca

Kevin McGunagle
Systems Analyst
International Joint Commission
100 Oullette Ave.
Windsor, ON N9A 6T3
P: (519) 257-6704
F: (519) 257-6740
mcgunag@server.uwindsor.ca

**NATIONAL OCEANIC AND ATMOSPHERIC
ADMINISTRATION**

Lynn R. Herche
Programmer/Analyst
Great Lakes Environmental Research Laboratory
NOAA/Department of Commerce
2205 Commonwealth Blvd.
Ann Arbor, MI 48105
P: (313) 741-2127
F: (313) 741-2055
lynnh@glert.noaa.gov

U.S. ARMY CORPS OF ENGINEERS

Roger Gauthier
Hydrologist
U.S. Army Corps of Engineers
Detroit District
477 Michigan Ave.
Detroit, MI 48226
P: (313) 226-3054
F: (313) 226-2398
gauthier@great-lakes.net

U.S. ENVIRONMENTAL PROTECTION AGENCY

Pranas Pranckevicius
Chief, Data Integration Unit
U.S. EPA Great Lakes National Program Office
77 West Jackson Boulevard, G-9J
Chicago, IL 60604
P: (312) 353-3437
F: (312) 353-2018/ 886-2403
pranckevicius.pranas@epamail.epa.gov

U.S. FEDERAL RESERVE BANK OF CHICAGO

Harker Brautigan (Ms.)
Public Affairs Specialist
Federal Reserve Bank of Chicago
230 S. LaSalle St.
Chicago, IL 60604
P: (312) 322-2378
F: (312) 322-5515
BBS: (312) 322-2137
harker@great-lakes.net

U.S. GEOLOGICAL SURVEY

Virgil Frizzell, Jr. (Chair)
Deputy for Great Lakes Research
U.S. Geological Survey
2205 Commonwealth Blvd.
Ann Arbor, MI 48105
P: (313) 741-2041
F: (313) 741-2055
frizzell@oemg.er.usgs.gov

Timothy McElhone
Head of Computer Services Unit
USGS - District Office
5957 Lakeside Blvd.
Indianapolis, IN 46278-1996
P: (317) 290-3333 ext 117
F: (317) 290-3313
mcelhone@quarsa.er.usgs.gov

U.S. CONGRESS

Lorenzo Littles
Senator Carol Mosely-Brown
Deputy Chief of Staff
230 S. Dearborn
Chicago, IL 60604
P: (312) 353-5420
F: (312) 353-2560

TRIBAL**CHIPPEWA/OTTAWA FISHERY
MANAGEMENT AUTHORITY**

Amy Owen
Albert LeBlanc Building
186 E. Three Mile Road
Sault Ste. Marie, MI 49783
P: (906) 632-0072
F: (906) 632-1141
aowen@great-lakes.net

FOUNDATIONS**AMERITECH FOUNDATION**

Ricardo Tostado
Director of Economic Development
Ameritech Illinois
225 W. Randolph St., 30
Chicago, IL 60606
P: (312) 727-2866
F: (312) 727-1571

GREAT LAKES PROTECTION FUND

John Sherman
Program Director
Great Lakes Protection Fund
35 E. Wacker Drive, Suite 1880
Chicago, IL 60601
P: (312) 201-5027
F: (312) 201-0683
jshepherd@great-lakes.net

W.K. KELLOGG FOUNDATION

Linda Helstowski
Consultant for WK Kellogg Foundation
608 Burt St.
Mason MI 48854
P: (517) 676-2589
F: (517) 676-2287
lhelstow@great-lakes.net

PRIVATE/COMMERCIAL**COUNCIL OF GREAT LAKES INDUSTRIES**

Grace H. Weaver
Vice President Environmental Affairs
Council of Great Lakes Industries
Eastman Kodak Company
1100 Ridgeway Ave., 1/320/KP
Rochester, NY 14652-3615
P: (716) 722-3348
F: (716) 722-3173
gweaver@great-lakes.net

Evelyn Strader
Consultant to CGLI
P.O. Box 806124
St. Clair Shores, MI 48080
P: (313) 343-9191
F: (313) 881-3438

MERIT/MICHNET

Sheri Repucci
Outreach Coordinator
Merit/MichNet
1071 Beal
Ann Arbor, MI 48109
P: (313) 936-2085
F: (313) 747-3185
smr@merit.edu

GREAT LAKES COMMISSION STAFF

Carol Ratza, Director, cratza@glc.org
Bonnie Bouman, bouman@glc.org
Mike Hyslop, mhyslop@glc.org
Paula McIntyre, mcintyre@glc.org

400 Fourth St., ARGUS II Bldg
Ann Arbor, MI 48103-4816
P: (313) 665-9135
F: (313) 665-4370

UNIVERSITY/RESEARCH**GREAT LAKES SEA GRANT NETWORK**

Michael McLean
Communications Coordinator
Minnesota Sea Grant Program
Great Lakes Sea Grant Network
University of Minnesota, Duluth
2305 E. 5th Street
Duluth, MN 55812
P: (612) 625-6781 or (218) 726-8175
F: (218) 726-6556
Mclea005@maroon.tc.umn.edu

UNIVERSITY OF GUELPH

William James
Professor, University of Guelph
School of Engineering
Guelph, ON N1G 2W1
P: (519) 767-0197
F: (519) 767-2770
james@net2.eos.uoguelph.ca

CIESIN

Robert Worrest
Environmental Programs Coordinator
Consortium for International
Earth Science Information Network
1747 Pennsylvania Ave. NW, Suite 200
Washington, DC 20006
P: (202) 775-6614
F: (202) 775-6622
robert.worrest@ciesin.org

CICNET STAFF

Ron Emaus
Information Services Specialist
2901 Hubbard, Pod A
Ann Arbor, MI 48105
P: (313) 998-6419
F: (313) 998-6105
remaus@cic.net

**GREAT LAKES COMMISSION
GREAT LAKES INFORMATION TASK FORCE**

ILLINOIS

(to be announced)

INDIANA

Dan Henkel, Director
Division of Public Information & Ed.
IN Department of Natural Resources
402 W. Washington, Room 264
Indianapolis, IN 46204
Ph: (317) 232-4200
Fax: (317) 232-8026

MICHIGAN

Jim Bredin
Office of the Great Lakes
MI Department of Natural Resources
Stevens T. Mason Bldg.
P.O. Box 30028
Lansing, MI 48909
Ph: (517) 373-3588
Fax: (517) 335-4242

MINNESOTA

Rep. Jerry Janezich
518 N.E. Eighth St.
Chisholm MN 55719
Ph: (612) 296-0172
Fax: (612) 295-1563

NEW YORK

Carole Beal, Manager of
Special Information Projects
Center for Environmental
Information, Inc.
46 Prince St.
Rochester NY 14607-1824
Ph: (716) 546-3796
Fax: (716) 271-0606

OHIO

Mary Hayes, Chief
Media Relations & Communications
Department of Natural Resources
Fountain Square, Bldg D-3
Columbus, OH 43224
Ph: (614) 265-6886
Fax: (614) 261-9601

PENNSYLVANIA

Steve Curcio
Community Relations Coordinator
Meadville Regional Office
Dept. of Environmental Resources
1012 Water St.
Meadville, PA 16335
Ph: (814) 332-6945
Fax: (814) 332-6831

WISCONSIN

W. Jeffrey Smoller, Director
Bureau of Information & Education
Dept. of Natural Resources
P.O. Box 7921
Madison, WI 53707
Ph: (608) 266-2747

ONTARIO

Frank Giorno
Public Information & Consultation
Communications Branch - 6th Floor
Ontario Ministry of the Environment
135 St. Clair Ave. West
Toronto, Ontario M4V 1P5
Ph: (416) 323-4571
Fax: (416) 323-4643

REGIONAL

Sally Cole-Misch
Public Affairs Office
International Joint Commission
P.O. Box 32869
Detroit, MI 48232
Ph: (313) 226-2170
Fax: (313) 356-7791

* Maran Brainard
Communicator
Ohio Sea Grant College Program
College of Biological Sciences
1541 Research Center
1314 Kinnear Rd.
Columbus, OH 43212-1194
Ph: (614) 292-8949
Fax: (614) 292-4364

Paul Botts, Public Information Officer
The Center for the Great Lakes
35 E. Wacker Dr. - Suite 1870
Chicago, IL 60601
Ph: (312) 263-0785
Fax: (312) 201-0683

FEDERAL AGENCIES

Ross Fredenburg
Chief, Public Affairs
Army Corps of Engineers
North Central Division
111 N. Canal St.
Chicago, IL 60606-7205
Ph: (312) 353-6319
Fax: (312) 353-4997

Mary Beth Tuohy
U.S. EPA, 6-9J
Great Lakes National Program Office
77 W. Jackson Blvd.
Chicago, IL 60604
Ph: (312) 886-7596
Fax: (312) 353-2018

OBSERVER

Millie Flory
Communicator
Michigan Sea Grant
2200 Bonisteel Blvd.
Rm. 4111 IST Bldg.
Ann Arbor, MI 48109
Ph: (313) 764-1138
Fax: (313) 747-0036

GREAT LAKES COMMISSION STAFF

Carol Ratzka,
Program Manager, Communications
The Argus II Bldg
400 Fourth St.
Ann Arbor MI 48103-4816
Ph: (313) 665-9135
Fax: (313) 665-4370

* Task Force Chair

Revised 1-22-93

GREAT LAKES PANEL ON AQUATIC NUISANCE SPECIES

- Members -

FEDERAL

U.S. Fish & Wildlife Service

Mr. Hannibal Bolton
Fisheries Associate Manager
U.S. Dept. of the Interior
U.S. Fish & Wildlife Service
Bishop Henry Whipple Federal Building
1 Federal Drive
Fort Snelling, MN 55111
612/725-3447
612/725-3543

Mr. Tom Busiahn (alternate)
Fishery Resources Office
U.S. Fish & Wildlife Service
2800 Lake Shore Dr., E.
Ashland, WI 54806
715-682-6185
715-682-8899

National Biological Survey

Dr. Donald Schloesser
Fisheries Biologist
U.S. Dept. of the Interior
National Biological Survey-Great Lakes
1451 Green Rd.
Ann Arbor, MI 48105
313/994-3331 x-223
313/994-8780

U.S. Environmental Protection Agency

Dr. Dave Yount (Vice-Chair G.L. Panel)
EPA-Duluth
6201 Congdon Blvd.
Duluth, MN 55804
218/720-5752
218/720-5539

U.S. Coast Guard

Capt. Thomas M. Daley
Chief Marine Safety Division
Ninth Coast Guard District
1240 E. Ninth St.
Cleveland, OH 44199-2060
216/522-3994
216/522-3261

Commander Gregory S. Cope (alternate)
U.S. Coast Guard
Room 1111 Federal Bldg
111 West Huron Street
Buffalo, NY 14202
716/846-4168

National Park Service

Mr. Richard Klukas, Chief
Research Branch, Midwest Regional Office
National Parks Service
1709 Jackson St.
Omaha, NE 68102
402-221-3603
402-221-3461

U.S. Army Corps of Engineers

Mr. Tom Frietag
U.S. Army Corps of Engineers
477 Michigan Ave.
P.O. Box 1027
Detroit, MI 48226
313/226-6753
313/226-2056

State Department

Mr. Richard Rosenman
Office of Marine Conservation
U.S. Dept. of State
2201 C Street N.W., Room 5606
Washington, D.C. 20520
202/647-1948
202/647-0217

U.S. Dept. of Agriculture

Mr. William S. Wallace
Director
Policy & Program Development
Animal & Plant Health Inspection Service
U.S. Dept. of Agriculture
P.O. Box 96464
Washington, D.C. 20090-6464
202/720-6907
202/690-2251

National Oceanic and Atmospheric Administration

Mr. Tom Nalepa
NOAA-Great Lakes Environmental Research Lab
2205 Commonwealth Blvd.
Ann Arbor, MI 48105-1593
313/741-2285
313/741-2055

Dr. Alfred Beeton (alternate) Director
NOAA-Great Lakes Environmental Research Lab
2205 Commonwealth Blvd.
Ann Arbor, MI 48105-1593
313/741-2244
313/741-2055

STATE

Illinois

Dr. Ellen Marsden
Center for Aquatic Ecology
Illinois Natural History Survey
Lake Michigan Biological Station
P.O. Box 634
Zion, IL 60099
708/872-8677
708/872-8679

Indiana

Mr. Glen Salmon
Division of Fish and Wildlife
IGC South, Room W273
402 West Washington St.
Indianapolis, IN 46204
317-232-4094
317-232-8150

Michigan

Mr. Mark Coscarelli
Office of the Great Lakes
Michigan Dept of Natural Resources
P.O. Box 30028
Lansing, MI 48909
517/373-3588
517/335-4053

Minnesota

Mr. Jay Rendall (Chair - G.L. Panel)
DNR Exotic Species Program Coordinator
DNR Fish & Wildlife Division
500 Lafayette Rd.
St. Paul, MN 55155-4012
612/297-1464
612/297-7272

Mr. Jeff Gunderson (alternate)
Minnesota Sea Grant
208 Washburn Hall
University of Minnesota-Duluth
Duluth, MN 55812
218/726-8106
218/726-6556

New York

Mr. Gerald A. Barnhart
Ass't. Director of Fish & Wildlife
New York Dept of Environmental Conservation
50 Wolf Rd., Room 524
Albany, NY 12233
518/457-5691
518/457-0341

Mr. William J. Culligan (alternate)
Supervising Aquatic Biologist
New York State Department of Environmental
Conservation
Lake Erie Fisheries Unit
178 Point Drive North
Dunkirk, New York 14048-1031
716-366-0228
716-366-3743

Wisconsin

Mr. Ron Martin
Wisconsin Dept. Natural Resources
Bureau of Natural Resources Mgmt.
P.O. Box 7921
Madison, WI 53707
608/266-9270
608/267-2800

Ohio

Mr. Gary Isbell, Executive Administrator
Fish Mgmt. & Research
Ohio Dept of Natural Resources
1840 Belcher Dr.
Fountain Square Bldg. G
Columbus, OH 43224
614/265-6300
614/262-1143

Pennsylvania

Mr. Joseph K. Hoffman, Ass't. Director
Bureau of Water Supply and Community Health
Pennsylvania Dept of Environmental Resources
P.O. Box 8467
Harrisburg, PA 17105-8467
717/787-5017
717/772-3249

REGIONAL/BINATIONAL

Mr. Christopher Goddard, Executive Secretary
Great Lakes Fishery Commission
2100 Commonwealth Blvd., Suite 209
Ann Arbor, MI 48105
313/741-2077
313/741-2010

Ms. Margaret Dochoda (alternate)
Fishery Biologist
Great Lakes Fishery Commission
2100 Commonwealth Blvd., Suite 209
Ann Arbor, MI 48105
313/741-2077
313/741-2010

Mr. Doug McTavish, Director
Great Lakes Regional Office
International Joint Commission
P.O. Box 32869
Detroit, MI 48232
519/256-7821
519/257-6740

Dr. Michael J. Donahue (ex-officio)
Executive Director
Great Lakes Commission
400 Fourth St.
Ann Arbor, MI 48103-4816
313/665-9135
313/665-4370

CANADIAN/PROVINCIAL

Dr. John Cooley, Director
Dept. of Fisheries & Oceans
Great Lakes Lab for Fisheries & Aquatic Sciences
867 Lakeshore Blvd.
P.O. Box 5050
Burlington, ONT L7R 4A6
905/336-4568
905/336-6437

Mr. Ron Dermott (alternate)
Dept. of Fisheries & Oceans
Great Lakes Lab for Fisheries & Aquatic Sciences
867 Lakeshore Blvd.
P.O. Box 5050
Burlington, ONT L7R 4A6
416/336-4568
416/336-6437

Ms. Renata Claudi, Senior Engineer
Ontario Hydro-Toronto
595 Bay St., Room A7A4
Toronto, ONT M5G 2C2
416/592-7164
416/592-2466

Mr. Al Dextrase
Ontario Ministry of Natural Resources
Aquatic Ecosystem Branch
Box 7000
Peterborough, ONT K9J 8M5
705/740-1532
705/740-1536

PRIVATE ENVIRONMENTAL/USER GROUP

Ms. Karen Murphy
Great Lakes United
State University College at Buffalo
Cassety Hall
1300 Elmwood Ave.
Buffalo, NY 14222
716/886-0142
716/886-0303

Mr. Dan Thomas, President
Great Lakes Sport Fishing Council
293 Berteau
Elmhurst, IL 60126
708/941-1351
708/941-1196

LOCAL COMMUNITIES

United States

Vacancy

Canada

Vacancy

TRIBAL AUTHORITIES

Mr. Neil Kmiecik
Biological Services Director
Great Lakes Indian Fish & Wildlife Commission
Old St. Mary's School Blvd.
County Trunk A-P.O. Box 9
Odonah, WI 54861
715/682-6619
715/682-9294

Ms. Karen Vermillion (alternate)
Great Lakes Indian Fish & Wildlife Commission
Old St. Mary's School Blvd.
County Trunk A-P.O. Box 9
Odonah, WI 54861
715/682-6619
715/682-9294

Ms. Amy Owen
Chippewa Ottawa Treaty Fishery Mgmt. Authority
Albert LeBlanc Bldg.
186 E. Three Mile Rd.
Sault Ste. Marie, MI 49783
906/632-0072
906/632-1141

PRIVATE/COMMERCIAL

Great Lakes Industries

Dr. Grace Wever
Vice Pres. Environmental Affairs
Council of Great Lakes Industries and
Director/Kodak Liaison to CGLI
Eastman Kodak Company
1000 Ridgeway, 1/320/KP
Rochester, NY 14652-3615
716/722-3348
716/722-3173

Electric Utility

Mr. William Kovalak, Biologist
Warren Service Center
Detroit Edison
6100 W. Warren
Detroit, MI 48210
313/897-1394
313/897-1440

Transportation

Mr. George J. Ryan, President
Lake Carriers' Association
614 Superior Ave., West
915 Rockefeller Building
Cleveland, OH 44113-1383
216/621-1107
216/241-8262

Rick Harkins (alternate)
Lake Carriers' Association
614 Superior Ave., West
915 Rockefeller Building
Cleveland, OH 44113-1383
216/621-1107
216/241-8262

Water Supply

Mr. Will LePage, Plant Superintendent
City of Monroe
915 E. Front St.
Monroe, MI 48161
313/241-5947
313/241-2162

UNIVERSITY/RESEARCH

Sea Grant-research

Dr. Jeffrey M. Reutter, Director
Ohio Sea Grant College Program - OSU
1541 Research Center
1314 Kinnear Rd.
Columbus, OH 43212
614/292-8949
614/292-4364

Sea Grant-advisory services/extension

Mr. John Schwartz
Michigan Sea Grant College Program
Institute of Water Research
334 Natural Resources Bldg.
Michigan State Univ.
East Lansing, MI 48824-1222
517/355-9637
517/353-6496

Ms. Millie Flory, Communications Director (alternate)
Michigan Sea Grant College Program
4109 IST Bldg.
Ann Arbor, MI 48109
313/764-1138
313/747-0768

Cooperative Institute for Limnology and
Ecosystems Research

Dr. Guy Meadows
Cooperative Institute for Limnology and
Ecosystems Research
4109 IST Bldg.
Ann Arbor, MI 48109
313/764-2426
313/747-0768

Fish & Wildlife Serv. Cooperative Research Unit

Dr. Bruce Vondracek
Assistant Unit Leader - Fisheries
MN Cooperative Fish & Wildlife Research Unit
University of Minnesota
200 Hodson Hall
St. Paul, MN 55108
e-mail: bcv@finsandfur.fw.umn.edu
612-624-3421
612-625-5299

INTERESTED PARTIES

Ms. Susan Olson, Program Officer
National Marine Fisheries-Northeast Region
NOAA
One Blackburn Drive
Gloucester, MA 01930
508/281/9330
508/281/9333

Mr. Michael Stewart
Research Division
Indiana Dune National Lakeshore
1100 N. Mineral Springs Rd.
Porter, IN 46304
219-926-7561
219-926-7209

Ms. Maran Hilgendorf, Communications Director
Sea Grant College Program
Ohio State University
1541 Research Center
1314 Kinnear Rd.
Columbus, OH 43212
614/292-8949
614/292-4364

Ms. Allegra Cangelosi
Senior Policy Analyst
Northeast-Midwest Institute
218 D St, SE
Washington, D.C. 20003
202/544-7494
202/544-0043

Mr. Dieter Busch
Lower Great Lakes Fishery Resources Office
U.S. Fish and Wildlife Service
405 North French Rd.
Amherst, NY 14228
716/691-5456
716/691-6154

Ms. Sandra Keppner
Exotic Species Coordinator
Region 5, U.S. FWS
Lower Great Lakes FRO
405 North French Rd.
Amherst, NY 14228
716-691-5456
716-691-6154

Mr. Jay Troxel
Aquatic Nuisance Species Task Force Coordinator
U.S. Fish & Wildlife Service
Arlington Square Bldg, Suite 840
4401 North Fairfax Drive
Arlington, VA 22203
703/358-1718
703/358-2210

Director
Ecology and Conservation
Office of Chief Scientist
NOAA
Herbert Hoover Bldg, Room 6222
14th and Constitution, NW
Washington, D.C. 20230
202/377-5181
202/377-1156

Mr. Michael Varga
Consul
U.S. Consulate General
360 University Avenue
Toronto, ONT M5G 1S4
416/595-1720
416/595-0051

Mr. Russel Kreis, Jr.
Research Aquatic Biologist
Large Lakes Research Station-EPA
9311 Groh Rd
Grosse Ile, MI 43138
313/692-7615
313/692-7603

Mr. Jeffrey Busch, Ph.D., Executive Director
Ohio Lake Erie Office
One Maritime Plaza
Toledo, OH 43604-1866
419-245-2514
419-245-2519

Dr. Edward Theroit
U.S. Army Corps of Engineers
Waterways Experiment Station-ER-A
3909 Halls Ferry Rd.
Vicksburg, MS 39180-6199
601-634-2678

Mr. Ray Tuttle
NY State Electric and Gas Corp.
4500 Vestal Parkway East
P.O. Box 3607
Binghamton, NY 13902-3607
607-729-2551

Ms. Vera Paktor, Executive Director
Great Lakes Shipping Assoc.
Communicore Inc.
2859 Central St.-Suite 173
P.O. Box 3070
Evanston, IL 60201
708/675-0893
708/675-0981

Mr. Thomas E. Lauer
Purdue University
Dept. of Forestry and Natural Resources
1200 Forest Products Building
West Lafayette, IN 47907-1200
317-464-3620

GREAT LAKES COMMISSION
GREAT LAKES SOIL EROSION AND SEDIMENTATION TASK FORCE

ILLINOIS

Mr. Dick Keigher
Soil Conservation Advisor II
IL Dept. of Agriculture
Bureau of Soil and Water Conservation
Suite 107, 22 Heritage Plaza
Bourbonnais, IL 60914
(815) 932-9232
Fax (815) 937-3284

INDIANA

Mr. Jim Ray
Chief, Lake & River Enhancement
Division of Soil Conservation
Indiana DNR
402 W. Washington St.,
Room W-265
Indianapolis, IN 46204
(317) 233-3870
Fax (317) 232-8036

MICHIGAN

Mr. Jim Bredin
Office of the Great Lakes
Michigan DNR
P.O. Box 30028
Lansing, MI 48909
(517) 373-3588
(517) 791-7367 (Saginaw)
Fax (517) 335-4242

MINNESOTA

Mr. Ron Shelito
Regional Conservation Supervisor
Minnesota Board of Water & Soil
Resources
217 South 7th St., Suite 202
Brainerd, MN 56401-3660
(218) 828-2604
Fax (218) 828-6036

Mr. Jim Birkholz, Asst. Director
MN Board of Water
and Soil Resources
155 S. Wabasha Suite 104
St. Paul, MN 55107
(612) 296-0879
Fax (612) 297-5615

NEW YORK

Mr. Philip DeGaetano
Director
Bureau of Water Quality
NYS DEC - Div. of Water
50 Wolf Road
Albany, NY 12233
(518) 457-3656
Fax (518) 485-7786

Ms. Carol Whitaker
Nonpoint Source Liaison
New York DEC
50 Wolf Rd.
Albany, NY 12233-3502
(518) 457-7470
Fax (518) 485-7786

OHIO

* Mr. Jerry Wager, Administrator
Pollution Abatement & Land Treatment
Sec. Div. of Soil & Water
Conservation
Ohio DNR
Fountain Square - Bldg. E
Columbus, OH 43224
(614) 265-6619
FAX (614) 262-2064

PENNSYLVANIA

Mr. John Booser, Env. Planner
Bureau of Land & Water
Conservation, Division of
Coastal Programs
Pennsylvania DER
P.O. Box 8555
Harrisburg, PA 17105-8555
(717) 772-1101
Fax (717) 787-9549

WISCONSIN

Mr. Paul Strom, Program & Planning
Analyst
Nonpoint Source & Land
Management Section
Dept. of Natural Resources
P.O. Box 7921
Madison, WI 53707
(608) 266-9273
Fax (608) 267-2800

FEDERAL

Mr. Bob Burris
Great Lakes Water Quality Coordinator
U.S.D.A. - NRCS
Ohio Lake Erie Office
One Maritime Plaza
Toledo, OH 43604-1866
(419) 245-2514
Fax (419)-245-2519
Voice Mail: 1-800-384-8732
Mail Box # 9455045

Mr. Thomas Davenport, Chief
Watershed Management Unit
U.S. EPA - Region V
77 W. Jackson Blvd.-WQW-16J
Chicago, IL 60604
(312) 886-0209
Fax (312) 886-7804

REGIONAL

Mr. William Horvath
North Central Region Rep.
NACD
1052 Main St.
Stevens Point, WI 54481-2895
(715) 341-1022
Fax (715) 341-1023

Mr. Lyn Kirschner
Water Quality Specialist
CTIC
1220 Potter Drive, Room 170
Purdue Research Park
West Lafayette, IN 47906-1334
(317) 494-9555
Fax (317) 494-5969

Mr. Bruce Kirschner
Great Lakes Regional Office
International Joint Commission
P.O. Box 32869
Detroit, MI 48232
(519) 257-6710-Canada
(313) 226-2170-U.S.
Fax (519) 257-6740 - Canada

INFORMATION

Mr. Rich Nichols
Soil Conservation Advisor III
Bureau of Soil Conservation
Illinois Dept. of Agriculture
State Fairgrounds
Springfield, IL 62706
(217) 782-6297
Fax (217) 524-4882

GREAT LAKES COMMISSION
STAFF

Argus II Building
400 Fourth Street
Ann Arbor, MI 48104-4816
(313) 665-9135

Michael J. Donahue, Ph.D
Executive Director

Thomas Crane, Program Manager
Resource Management and
Environmental Quality

Lori Reynolds, Program Specialist
Resource Management and
Environmental Quality

* Task Force Chairman

**GREAT LAKES TOXIC AIR EMISSIONS INVENTORY
PEER REVIEW COMMITTEE**

Harold T. Garabedian
Air Pollution Control Division
Agency of Natural Resources
Dept. of Environmental Conservation
103 South Main Street
Building 3 South
Waterbury, Vermont 05671-0402
Phone: (802)244-8731
Fax: (802) 241-2590

Eva Voldner
Atmospheric Environment Service
ARQI
Environment Canada
4905 Dufferin St.
Downsview, Ontario M3H 5T4
Phone: (416) 739-4670
Fax: (416) 739-4288

George Wolff
General Motors Corp.
Environmental and Energy Staff
General Motors Building - 12th Floor (12-169)
3044 West Grand Boulevard
Detroit, Michigan 48202
Phone: (313) 556-7888
Fax: (313) 556-2644

Jerry Keeler
Dept. of Environ. and Indus. Health
University of Michigan
109 Observatory
Ann Arbor, Michigan 48109-2029
Phone: (313) 936-1836
Fax: (313) 764-9424

John Bagyzis
Environmental Control Engineer
Ford Motor co.
1501 Century Dr., Suite 602
Dearborn, MI 48120
Phone: (313) 845-1920
Fax: (313) 248-5030

George Coling
Sierra Club
408 C Street, N.E.
Washington, DC 20002
Phone: (202) 547-1141
Fax: (202) 547-6009

Jay Unwin
Nat. Council for Air & Stream Improv.
Central-Lake State Regional Center
Dept. of Paper Science & Engineering
Western Michigan University
2041 McCracken Hall
Kalamazoo, Michigan 49008
Phone: (616) 387-5128
Fax: (616) 387-5522

Ashok Kumar
Department of Civil Engineering
University of Toledo
Toledo, Ohio 43606
Phone: (419) 537-2312
Fax: (419) 537-0805

Peter Scheff
University of Illinois - Chicago
School of Public Health
2121 W. Taylor. Rm 210
Chicago, Illinois 60612
Phone: (312) 996-8855
Fax: (312) 996-1374

Robert D. Andrew
Engineering Dept.
Mobil Research and Dev. Corp.
P.O. Box 1026
Princeton, NJ 08543
609-737-5373
609-737-4516

**Northwest Indiana Sustainable Development Project
Contact List**

Thomas R. Anderson
Executive Director
Save the Dunes Council
444 Barker Rd.
Michigan City, IN 46360
PH: 219-879-3937
FAX: 219-872-4875

Lee Botts
Environmental Consultant
9731 Pine
Gary, IN 46403
PH: 219-938-2863
FAX: 219-938-2863

Dewey Pearman
Vice President, Public Affairs
Northwest Indiana Forum
6100 Southport Road
Portage, IN 46368
PH: 219-763-6303
FAX: 219-763-2653

Stephen E. Davis
Lake Michigan Specialist
Indiana DNR
Division of Water
Michigan City, IN 46360
PH: 219-874-8316
FAX: 219-879-2499

Port Director
Burns International Harbor
6600 U.S. Highway 12
P.O. Box 189
Portage, IN 46368

Michele Nanni
Northern Indiana Regional Director
Hoosier Environmental Council
444 Barker Rd.
Michigan City, IN 46360
PH: 219-879-5777
FAX: 219-879-5850

Mark Reshkin
Professor
Indiana University Northwest
3400 Broadway
Gary, IN 46408
PH: 219-980-6739
FAX: 219-980-6737

Barbara Waxman
NW Indiana Regional Planning
Commission
6100 Southport Road
Portage, IN 46368
PH: 219-763-6060
FAX: 219-762-1653

Dorreen Carey
Executive Director
Grand Calumet Task Force
2400 New York Ave.
Whiting, IN 46394
PH: 219-473-4246
FAX: 219-473-4288

Richard Whitman/Michael Stewart
National Biological Survey
1100 N. Mineral Springs
Porter, IN 46304
PH: 219-926-7561 Ext: 421
FAX: 219-929-5792

Dale Engquist
Superintendent
Indiana Dunes National Lakeshore
1100 N. Mineral Springs
Porter, IN 46304
PH: 219-926-7561
FAX: 219-926-7209

**GREAT LAKES COMMISSION
STAFF**

Steve Thorp,
Program Manager
Transportation and Economic
Development

Michael J. Donahue,
Executive Director

Argus II Building
400 Fourth St.
Ann Arbor, MI 48103
PH: 313-665-9135
FAX: 313-665-4370

GREAT LAKES COMMISSION
REGIONAL EMISSION INVENTORY OF TOXIC AIR CONTAMINANTS STEERING COMMITTEE

MEMBERS

Mr. Hank Naour
Dept. of Air Pollution Control
IL EPA
1340 Ninth St.
Springfield, IL 62702
217-785-1716
217-782-2465 - fax

* Mr. Dave Kolaz
Div. of Air Pollution
IL EPA
P.O. Box 9276
Springfield, IL 62794
217-782-2113
217-524-4710 - Fax

Mr. Barry Titus
Office of Air Mgmt.
IN Dept. of Envir. Mgmt.
P.O. Box 6015
100 N. Senate Ave.-Room 1001
Indianapolis, IN 46206
317-232-8423
317-233-3257 - Fax

Mr. Gary Baker
Air Quality Div.
Michigan DNR
P.O. Box 30028
Lansing, MI 48933
517-373-7023
517-373-1265 - Fax

Ms. Chun Yi Wu
Air Toxic Unit
MN Pollution Control Agency
520 Lafayette Rd.
St. Paul, MN 55155
612-297-8298
612-297-1456 - Fax

Mr. Phil Galvin
Div. of Air Resources
Div. of Envir. Conser.
P.O. Box 3250
Albany, NY 12233
518-457-7127
518-457-0794 - Fax

Mr. Dennis Gage
New York Dept. of Environmental
Conservation
50 Wolf Road
Albany, New York 12233-2752
518-457-5724

Mr. Bill Juris
Div. of Air Pollution Control
OH EPA
P.O. Box 1049
Columbus, OH 43215
614-644-3593
614-644-3681 - Fax

Mr. Paul Koval
Supervisor, Air Toxics Unit
Division of Air Pollution Control
Ohio EPA
1800 Watermark Dr.
Columbus, OH 43215
614-644-2270
614-644-3681 - Fax

Mr. John Slade
PA Air Quality Control
Dept. of Envir. Res.
P.O. Box 2357
Harrisburg, PA 17105
717-787-4310
717-772-2303 - Fax

Mr. Orlando Cabrera-Rivera
Bureau of Air Mgmt.
WI DNR
P.O. 7921
101 S. Webster St. - 7th Floor
Madison, WI 53707
608-267-2466
608-267-0560 - Fax
Cabreo@DNRMAI.DNR.WISC.GOV

Mr. John Shenot
Bureau of Air Management
Wisconsin DNR
P.O. Box 7921
Madison, WI 54707-7921
608-267-0802
608-267-0560 - Fax
Shenoj@DNRMAI.DNR.WISC.GOV

OBSERVERS

Dr. Suzanne King
Air Division
U.S. EPA-Region V - AT-18J
77 W. Jackson Blvd.
Chicago, IL 60604-3950
312-886-6054
312-886-0716 - Fax

Ms. Anne Pöpe, Environmental Engineer
Emission Factor and
Methodologies Sections
Office of Air Quality Planning
and Standards
U.S. EPA
Research Triangle Park, NC 27711
919-541-5373
919-541-0684 - Fax

Mr. Chuck Mann
Office of Research and Development
U.S. EPA (MD 62)
Research Triangle Pk., NC 27711
919-541-4593
919-541-7891 - Fax

Dr. P.K. Misra
Atmospheric Quality and
Meteorology Section
Air Resources Branch
Ont. Ministry of the Envir.
125 Resources Rd., E. Wing
Etobicoke, ON M9P 3V6
416-235-5768
416-235-6037 - Fax

Mr. Brulette
Ministry of the Environment
Province of Quebec
3900 Rue De Marly
Ste-Foy, QC G1X 4E4
418-643-8209
418-644-4598 - Fax

Mr. Wilfred Jan
Pollution Data Analysis Division
Environment Canada
351 St. Joseph Blvd., 10th Floor
Hull, QC K1A 0X3
613-994-3098
613-953-9542 - Fax

Mr. Peter Wong
OMEE - Air Resources Branch
125 Resources Rd. - East Wing
Etobicoke, ON M9P 3V6
416-235-6130
416-235-6037 - Fax

Mr. Tom Lahre
OAQPS - MD 13
US EPA
Research Triangle Pk., NC 27711
919-541-5668
919-541-4028 - Fax

Ms. Melissa Mc Coulough
OAQPS/ESD/MD-13
US EPA
Research Triangle Pk., NC 27711
919-541-5646
919-541-4028 - Fax

Ms. Carol Bellizzi
Air Programs Branch
U.S. EPA Region 2, Room 1043A
Jacob K. Javits Federal Bldg.
New York, NY 10278
212-264-4076
212-264-7613 - Fax

Mr. Pranas E. Pranckevicius
Data Integration Unit
GLNPO - U.S. EPA - G-9J
77 West Jackson Blvd.
Chicago, IL 60604-3590
312-353-3437
312-353-2018 - Fax
Pranckevicius.Pranas@EPAMail.EPA.GOV

GREAT LAKES COMMISSION- STAFF

Ms. Carol Ratza, Program Manager,
Communications
400 Fourth Street
Ann Arbor, MI 48103-4816
313-665-9135
313-665-4370 - Fax
CRATZA@GLC.ORG

2-1-95

*Denotes Steering Committee Chair

SPAC Members/Alternates

(February 1995)

Clinton River

Member: William Smith
49 Breitmeyer
Mt. Clemens, MI 48043
(810) 468-4028

Alternate: Erich Ditschman
Clinton River Watershed Council
1970 E. Auburn Road
Rochester Hills, MI 48317
(313) 853-9580

Deer Lake

Member: James Russell-Parks
Hc-01 Box 186A
County Road 550
Marquette, MI 49855
(906) 227-2600 (W)
(906) 345-9961 (H)

Alternate: Phil Doepeke
1711 Mildred Avenue
Marquette, MI 49855
(906) 227-2812

Detroit River

Member: Mary Ginnebaugh
18286 Meridian
Grosse-Ile, MI 48138
(519) 255-7141 (W)

Alternate: Mr. Richard Armstrong
Detroit Parks and recreation Dept,
1806 Water Board Building
735 Randolph
Detroit, MI 48226
(313) 224-1103

Kalamazoo River

Member: Mary Powers
917 South Park Street
Kalamazoo, MI 49001-5604
(616) 345-9295
(616) 383-8862 (fax)

Alternate: -None-

Manistique River

Member: Leif Christensen
Manistique papers, Inc.
435 South Mackinac Avenue
Manistique, MI 49854
(906) 341-2175

Alternate: James Wicks
Route 1, Box 131
Wolfe Road
South Manistique Lake
Germfask, MI 49836
(906) 586-3351

Menominee River

Member: Nancy Douglas (Chair)
1005 10th Avenue
P.O. Box 427
Menominee, MI 49858
(906) 863-2679 (W)
(906) 863-3288 (fax)

Alternate: George Rogers
1112 16th Avenue
Menominee, MI 49858
(715) 735-7411

Muskegon Lake

Member: Gerald Engle
239 Ruddiman Drive
North Muskegon, MI 49445
(616) 744-6330

Alternate: Kathy Evans
1899 Barnes Road
Muskegon, MI 49422
(616) 788-3880

River Raisin

Member: Vivian Brighton
15460 Cadmus Road
Hudson, MI 49247
(517) 264-5300 (W)
(517) 448-8843 (H)

Alternate: Dan Stefanski
c/o City of Monroe
120 East First Street
Monroe, MI 48161
(313) 241-5926 (W)
(313) 243-8683 (fax)

Rouge River

Member: Keith Krinn (Vice Chair)
Oakland County Health Div.
1200 North Telegraph Rd.
Pontiac, MI 48341-0432
(810) 858-1333

Alternate: Orin Gelderlos
22553 Park
Dearborn, MI 48124
(313) 593-5339

Saginaw River/Bay

Member: Pat Howe
1567 Grey Rd.
Midland, MI 48640
(517) 631-8839

Alternate: Robert King
Central Michigan University
Department of Biology
Mt. Pleasant, MI 48859
(517) 774-2494

St. Clair River

Member: Bob Spagnoli
2925 Heritage Dr, Apt. J
Fort Gratiot, MI 48059
(810) 845-8037 (W)

Alternate: Joe Gallagher
St. Clair County Metropolitan
Planning Commission
108 McMorran Blvd.
Port Huron, MI 48060
(810) 987-4884 (W)

St. Marys River

Member: Amy Owen
Albert LeBlanc Building
186 East Three Mile Road
Sault Ste. Marie, MI 49783
(906) 632-0072

Alternate: Mr. Gaylord Alexander
Hunt Creek Fisheries Station
P.O. Box 2299
Lewiston, MI 49756
(517) 786-2613

Torch Lake

Member: James A. Spence
P.O. Box 486
Dollar Bay, MI 49922
(906) 487-8000 (W)
(906) 482-0443 (H)

Alternate: Robert T. Brown
500 Garnet Street
Houghton, MI 49931
(906) 482-0945

White Lake

Member: Tanya Cabala
714 Alice Street
Whitehall, MI 49461
(616) 722-5116

Alternate: Thomas Hamilton
2785 Weesis Road
Montague, MI 49437
(616) 894-4301

GREAT LAKES COMMISSION
SOO LOCK FUNDING ALTERNATIVES TASK FORCE

ILLINOIS

* Don Vonnahme, Director
Division of Water Resources
Illinois Dept. of Transportation
2300 Dirksen Parkway
Springfield, IL 62764
PH: 217-782-2152
FAX: 217-785-5014

Jim Johnson
Chief, Ports Management Section
Division of Water Resources
IL Dept. of Transportation
310 S. Michigan Ave., Room 1606
Chicago, IL 60604
PH: 312-793-5744
FAX: 312-793-5968

MICHIGAN

Larry Karnes
Marine Specialist
MI Dept. of Transportation
P.O. Box 30050
Lansing, MI 48909
PH: 517-373-9058
FAX: 517-373-0167

MINNESOTA

Richard Lambert
Director, Ports & Waterways Section
MN Dept. of Transportation
Suite 925, Kelly Annex
St. Paul, MN 55155
PH: 612-296-1609
FAX: 612-297-1887

OHIO

George Ryan
President
Lake Carriers' Association
614 Superior Avenue, N.W.
915 Rockefeller Bldg.
Cleveland, OH 44113-1306
PH: 216-621-1107
FAX: 216-241-8262

Carla Cefaratti
Deputy Director
Division of Water Transportation
Ohio Dept. of Transportation
25 S. Front St.
Columbus, OH 43215
PH: 614-466-8981
FAX: 614-644-6053

PENNSYLVANIA

Sidney Smith
President
Erie Sand Steamship Co.
Foot of Sassafras St.
P.O. Box 153
Erie, PA 16512
PH: 814-453-6721
FAX: 814-453-5138

WISCONSIN

Ellen Fisher
Chief, Harbors & Waterways Section
WI Dept. of Transportation
4802 Cheboygan Ave.
P.O. Box 7914
Madison, WI 53707-7914
PH: 608-267-9319
FAX: 608-267-6748

OTHER INDIVIDUALS

William W. Willis
Chief, Planning Division
U.S. Army Corps of Engineers
Detroit District
477 Michigan Ave.
P.O. Box 10271
Detroit, MI 48231
PH: 313-226-6768
FAX: 313-226-2056

GREAT LAKES COMMISSION STAFF

Steve Thorp, Program Manager
Transportation & Economic Development
400 Fourth St.
Ann Arbor, MI 48103-4816
313-665-9135

* Task Force Chairman

**GREAT LAKES COMMISSION
EMERGENCY PREPAREDNESS TASK FORCE**

ILLINOIS

James O'Brien, Manager
Office of Chemical Safety
IL Environmental Protection Agency
P.O. Box 19276
Springfield, IL 62794-9276
PH: 217-785-0830
FAX: 217-782-1431

INDIANA

John Rose, Chief
Emergency Response Branch
IN Dept. of Environmental Management
P.O. Box 6015
Indianapolis, IN 46206-6015
PH: 317-233-6371
FAX: 317-233-6358

David J. Crose, Director
Technological Hazards Division
State Emergency Management Agency
Indiana Government Center South
302 W. Washington St., Room W046
Indianapolis, IN 46204
PH: 317-232-3837
FAX: 317-232-4987

MICHIGAN

Paul A. Blakeslee,
Surface Water Quality Supervisor
Region III Hdqr. Michigan DNR
P.O. Box 30028
Lansing, MI 48909
PH: 517-335-6873
FAX: 517-373-2040

Roy Schrameck, District Supervisor
Surface Water Quality Division
Southeast Michigan District Headquarters
Michigan DNR
38980 Seven Mile Rd.
Livonia, MI 48152
PH: 313-953-0253
FAX: 313-953-0243

MINNESOTA

Steve Lee, Supervisor
Spills/Above Ground Tank Unit
Minnesota Pollution Control Agency
520 Lafayette Rd.
St. Paul, MN 55155
PH: 612-297-8610
FAX: 612-297-8676

NEW YORK

Burton Mead, Regional Engineer
NYS Dept. of Envir. Conservation
317 Washington Street
Watertown, NY 13601
PH: 315-785-2513
FAX: 315-785-2422

OHIO

* Ken Schultz (Task Force Chair)
Ohio Environmental Protection Agency
Div. of Emergency and Remedial Response
P.O. Box 1049
Columbus, OH 43266-0149
PH: 614-644-2081
FAX: 614-644-3250

PENNSYLVANIA

Dan Holler, Regional Emergency Response
Coordinator
Meadville Regional Office-PA DER
1012 Water Street
Meadville, PA 16335
PH: 814-332-6945
FAX: 814-332-6831

WISCONSIN

Ron Kasperski
Bureau of Technological Hazards
Division of Emergency Government
4802 Sheboygan Ave.
P.O. Box 7865
Madison, WI 53707
PH: 608-242-3206
FAX: 608-242-3249

Kim McCutcheon
WI Dept. of Natural Resources
Bureau of Solid & Hazardous Waste Mgmt.
P.O. Box 7921
101 S. Webster
Madison, WI 53707
PH: 608-266-2857

FEDERAL MEMBERS

Kenneth Barton
NOAA Scientific Support Coordinator
Great Lakes and Inland Rivers - EMSO
1240 E. Ninth St. Room 2147
Cleveland OH. 44199-2060
PH: 216-522-7760
FAX: 216-522-7759

J. J. (Jerry) Doline, Acting Chief
Emergency Management Branch
U.S. Army Corps of Engineers
P.O. Box 1027
Detroit, MI 48231-1027
PH: 313-226-4080
FAX: 313-226-2245

Rose Ellison
On Scene Coordinator
Emergency Response Branch, U.S. EPA
9311 Groh Rd.
Grosse Ile, MI 48138
PH: 313-692-7661
FAX: 313-692-7677

Bob Mayhugh, Environmental Protection Specialist
U.S. EPA - Region V - HSC-9J
77 W. Jackson
Chicago, IL 60604
PH: 312-886-5929
FAX: 312-886-6064

Captain Jerome Foley
Contingency Planning Training
MPC Environmental Marine Pollution Control
8631 W. Jefferson
Detroit, MI 48209
PH: 313-849-2333

Terry Reuss, Hazardous Materials Program Coordinator
FEMA-Region V
175 W. Jackson, 4th Floor
Chicago, IL 60604
PH: 312-408-5587
FAX: 312-408-5222

Daniel H. Moenter, Manager
Government Affairs
Marathon Oil Company
539 S. Main St.
Findlay, OH 45840-3295
PH: 419-421-3756
FAX: 419-421-4255

Laurie Perry, District Response Advisory Team
U.S. Coast Guard, Ninth District
District Response Advisory Team
1240 E. Ninth St.
Cleveland, OH 44199-2060
PH: 216-522-3968
FAX: 216-522-3261

Dee Seymour, Information Systems Mgr.
Argonne National Laboratory
9700 S. Cass Ave., EID/900
Argonne, IL 60439-4815
PH: 708-252-8023
FAX: 708-252-5128

David F. Reid, Division Head
G.L. Environmental Research Lab.
NOAA - U.S. Dept. of Commerce
2205 Commonwealth Blvd.
Ann Arbor, MI 48105-1593
PH: 313-741-2019
FAX: 313-741-2055

Philip Strobel
Great Lakes National Program Office
U.S. EPA - Region V - G-9J
77 West Jackson Blvd.
Chicago, IL 60604
PH: 312-353-7996
FAX: 312-353-2018

Cynthia Weaver
OSHA Region V
230 S. Dearborn - Room 3244
Chicago IL 60604
PH: 312-886-0906
FAX: 312-353-7774

William J. Trumbull
Environmental Specialist
Amoco Transport Co.
Mail Code 1101
200 E. Randolph St.
Chicago, IL 60601-7125
PH: 312-856-4588
FAX: 312-856-4553

REGIONAL AND OTHER INTERESTS

Mark Coscarelli
Office of the Great Lakes
Michigan Dept. of Nat. Resources
P.O. Box 30028
Lansing, MI 48909
PH: 517-373-3588
FAX: 517-335-4053

Diana Wade, Program Analyst
FEMA
500 C. St. SW, Room 616
Washington D.C. 20472
PH: 202-646-2571
FAX: 202-646-4279

Jeff Edstrom, Policy Analyst
Council of Great Lakes Governors
35 E. Wacker Drive - Suite 1850
Chicago, IL 60601
PH: 312-407-0177
FAX: 312-407-0038

GREAT LAKES COMMISSION STAFF
Thomas R. Crane, Program Mgr.,
Resource Management and Environmental Quality
400 Fourth St.
Ann Arbor, MI 48103-4816
PH: 313-665-9135
FAX: 313-665-4370

**GREAT LAKES COMMISSION
U.S./CANADA BORDER CROSSINGS PROJECT**

ADVISORY COMMITTEE

Michigan

Jim Roach
Manager, Intermodal Planning Section
Michigan Dept. of Transportation
P.O. Box 30050
Lansing, MI 48909
PH: 517-373-3355
Fax: 517-373-9255

Dan Stouffer
Office Lt. Governor
State of Michigan
P.O. Box 30026
Lansing, MI 48909
PH: 517-373-6800
Fax: 517-335-6763

New York

Louis Rossi
Director, Planning Division
NYS Dept. of Transportation
1220 Washington Ave.
Bldg. 4, Room 115
Albany, NY 12232
PH: 518-457-1965
Fax: 518-457-8317

Minnesota

Richard Lambert
Director, Ports and Waterways
Minnesota Dept. of Transportation
Suite 925, Kelley Annex
St. Paul, MN 55155
PH: 612-296-1609
Fax: 612-297-1887

**GREAT LAKES COMMISSION
U.S. COAST GUARD FUNDING TASK FORCE**

ILLINOIS

Jim Johnson
Division of Water Resources
IL Dept. of Transportation
310 S. Michigan Ave., Room 1606
Chicago, IL 60604
312-793-3123

INDIANA

MICHIGAN

* Byron Kelley
Seafarers Int'l Union of America
520 St. Clair River Dr.
Algonac, MI 48001
313-794-4988

MINNESOTA

Henry Hanka
Executive Director
Arrowhead Regional Dev. Commission
330 Canal Drive
Duluth, MN 55806
218-722-5545

NEW YORK

Gerry Mikol, Research Scientist
NYS Dept. of Environmental
Conservation
Policy Analysis Division
50 Wolf Road - Room 604
Albany, NY 12233
518-457-8939

OHIO

Wayne Warren
Lake Erie Office
Ohio Dept. of Natural Resources
Fountain Square Bldg., C-4
Columbus, OH 43224
614-265-6416

PENNSYLVANIA

WISCONSIN

Oscar Herrera, Coastal Management Section Chief
Division of Energy and
Intergovernmental Relations
101 E. Wilson St., 6th Floor
WI Dept. of Administration
P.O. Box 7868
Madison, WI 53707-7868
608-266-3687

REGIONAL INTERESTS

Commander
Ninth Coast Guard District
1240 East Ninth Street
Cleveland, OH 44199-2060
216-522-3994

Dale Baker
University of Minnesota
Sea Grant Extension Program
208 Washburn Hall
2305 East 5th Street
Duluth, MN 55812
218-726-8106

Gordon Hall
Lake Carriers' Association
614 Superior Avenue, N.W.
915 Rockefeller Building
Cleveland, OH 44113-1306
216-621-1107

Canadian Coast Guard
201 N. Front St.
Sarnia, Ontario N7T 8B1

GREAT LAKES COMMISSION STAFF

Steve Thorp, Program Manager
Transportation and Economic
Development
400 Fourth St.
Ann Arbor, MI 48103-4816
313-665-9135

* Task Force Chairman

GREAT LAKES WATER RESOURCES MANAGEMENT COMMITTEE

ILLINOIS

Mr. Daniel Injerd, Chief
Lake Michigan Mgmt. Section
Illinois Dept. of Transportation
310 S. Michigan Ave., 10th Floor
Chicago IL 60604
Ph: (312) 793-3123
Fax: (312) 793-5968

INDIANA

Mr. Jim Hebenstreit, Assist. Dir.
Division of Water
Indiana DNR
402 W. Washington, Room W264
Indianapolis IN 46241
Ph: (317) 232-4163
Fax: (317) 233-4579

MICHIGAN

Ms. Sharon Hanshew
Office of the Great Lakes
Michigan DNR
P.O. Box 30028
Lansing MI 48909
Ph: (517)-335-4058
Fax: (517)-335-4053

MINNESOTA

Mr. Kent Lokkesmoe, Director
Division of Waters
Minnesota DNR
500 Lafayette Rd.
St. Paul MN 55155
Ph: (612) 296-4810
Fax: (612) 296-0445

NEW YORK

Gerald Mikol, Research Scientist
NYS Dept. of Environmental
Conservation
Policy Analysis Division
50 Wolf Road
Albany, NY 12233
Ph: (518) 457-6610
Fax: (518) 485-7786

OHIO

Mr. Richard S. Bartz
Executive Assistant
Ohio Water Development Authority
88 East Broad St.
Suite 1300
Columbus, OH 43215-5822
Ph: (614) 466-0263
Fax: (614) 644-9964

Mr. Leonard Black
Ohio DNR, Division of Water
Building E-3, Fountain Square
Columbus, OH 43224
614-265-6758
Fax: 614-447-9503

PENNSYLVANIA

Mr. Joseph K. Hoffman
Assistant Director
Bureau of Water Supply & Comm.
Health
PA Dept. of Envir. Resources
Box 8467
Harrisburg PA 17105-8467
Ph: (717) 787-5017
Fax: (717) 772-3249

WISCONSIN

Mr. Charles R. Ledin, Chief
Water Resources Planning &
Policy Section
Bureau of Water Resources Mgmt.
101 S. Webster St.
Box 7921
Madison, WI 53707-7921
Ph: (608) 266-1956

ONTARIO

Ms. Gail Beggs, Director
Aquatic Ecosystems Branch
Ontario MNR
90 Sheppard Ave. East
Fifth Floor
North York, ONT M2N 3A1
Ph: (416) 314-1137
Fax: (416) 314-1140

Mr. John Kinkead, Manager
Water Mgmt. & Conservation
Authorities Section
Aquatic Ecosystem Branch
Ontario MNR, 5th Floor
90 Sheppard Ave., E.
N. York, ONT M2N 3A1
Ph: (416) 314-1978
Fax: (416) 314-1995

QUEBEC

Mr. Andre Carpentier
Direction de l'hydraulique
Environnement Quebec
2360 chemin, Sainte Foy
1e etage, boite 29
Sainte Foy, Quebec G1V 4H2
Ph: (418) 644-3430
Fax: (418) 643-6900

GREAT LAKES COMMISSION

Mr. Thomas Crane, Program Manager
Resource Mgmt & Environmental
Quality
Argus II Building
400 Fourth St.
Ann Arbor, MI 48103
Ph: (313) 665-9135
Fax: (313) 665-4370

COUNCIL OF GREAT LAKES GOVERNORS

Ms. Cristena Bach
Executive Director
Council of Great Lakes Governors
35 East Wacker Dr.
Suite 1850
Chicago, IL 60601
(312) 407-0177

8-4-94

**TECHNICAL WORK GROUP OF THE
WATER RESOURCES MANAGEMENT COMMITTEE**

ILLINOIS

Mr. Daniel Injerd, Chief
Lake Michigan Mgmt. Section
Illinois Dept. of Transportation
310 S. Michigan Ave., Room 1606
Chicago, IL 60604
312-793-3123
Fax: 312-793-5968

INDIANA

Mr. Robert Harris, Engineering Asst.
Indiana DNR, Division of Water
402 W. Washington St.
Indianapolis, IN 46204
317-232-1116
Fax: 317-233-4579

MICHIGAN

Ms. Sharon Hanshue
Great Lakes Program Coordinator
Michigan Dept. of Natural Resources
Box 30028
Lansing, MI 48909
517-335-4058
Fax: 517-335-4053

Mr. Ron Van Til
Water Use Analyst
MI DNR, Executive Division
Box 30028
Lansing, MI 48909
517-373-0014
Fax: 517-335-4053

MINNESOTA

Mr. James Japs
Water Allocation Hydrologist
Minnesota DNR, Div. of Waters
500 Lafayette Rd.
St. Paul, MN 55146
612-297-2835
FAX: 612-296-0445

NEW YORK

Mr. Larry Brennan
Water Development Section
NYS Dept. of Environment Conservation
50 Wolf Rd.
Albany, NY 12233
518-457-8681
Fax: 518-485-7786

Mr. Howard C. Pike
Water Development Section Chief
Division of Water - Room 308
NYS Dept. of Environmental Conservation
50 Wolf Road
Albany, NY 12233
518-457-8681
Fax: 518-485-7786

OHIO

Mr. Leonard Black
Ohio DNR, Division of Water
Building E-3, Fountain Square
Columbus, OH 43224
614-265-6758
Fax: 614-447-9503

ONTARIO

Mr. George Fiotakis
Water Policy Analyst
Ontario Ministry of Natural Resources
Lands and Waters Policy Branch
99 Wellesley Street-West-Rm. 5620
Toronto ONT M7A 1W3
416-314-2341
Fax: 416-314-2427

PENNSYLVANIA

Mr. William Gast, Chief
Division of Water Planning and Allocations
Bureau of Water Supply and Comm. Health
Department of Environmental Resources
Box 8467
Harrisburg, PA 17105-8467
717-772-4048

Mr. Tom Denslinger, Chief
Ohio River Basin Section
Division of Water Planning and Allocations
Bureau of Water Supply and Comm. Health
Box 8467
Harrisburg, PA 17105-8467
717-772-4048
Fax: 717-772-3249

QUEBEC

Mr. Gilles Barabe
Direction de reseau hydrique
Environnement Quebec
2360 chemin Sainte-Foy
2e etage, boite 20
Sainte-Foy, Quebec G1V 4H2
418-644-3437
Fax: 418-646-2367

WISCONSIN

Mr. Terry Lohr
Water Quality Specialist/GEF2
Bureau of Water Resources Mgmt.
Wisc. Dept. of Natural Resources
P.O. Box 7921
Madison, WI 53707
608-267-2375
Fax: 608-267-2800

U.S. GEOLOGICAL SURVEY

Ms. Deborah Lumia, Hydrologist
U.S.G.S.
P.O.Box 1669
Albany, NY 12201
518-472-2822
Fax: 518-472-2805

Mr. Lee Trotta
Water Use Specialist
U.S.G.S.
2280 Woodale Dr.
Mounds View, MN 55112
612-783-3255
Fax: 612-783-3103

Mr. David Holtschlag
U.S.G.S.
Suite 5
6520 Mercantile Way
Lansing, MI 48911
517-377-1624
Fax: 517-377-1627

GREAT LAKES COMMISSION

Mr. Thomas R. Crane, Program Manager
Resource Mgmt & Environmental Quality
Argus II Building
400 Fourth St.
Ann Arbor, MI 48103
313-665-9135
Fax: 313-665-4370



BYLAWS

Pursuant to the powers and authority vested in the Great Lakes Commission by paragraph K of Article IV of the Great Lakes Basin Compact, the following Bylaws are adopted and shall remain in force until amended.

ARTICLE I

COMPONENT STATES

The states of Illinois, Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania and Wisconsin having ratified the Great Lakes Basin Compact by act of their legislatures are recognized as the component states of this Compact which has become operative in view of the provisions of Article II, section A of this Compact.

ARTICLE II

MEMBERSHIP

SECTION 1 - The members appointed by and certified to the Commission by the component states shall constitute the members of the Commission.

SECTION 2 - Pursuant to the provisions of the Compact, each state shall have a total of three votes on any matters coming before the Commission to be cast in accordance with the applicable laws of such state. Should any Commission or any committee, special committee, or task force member be absent from any Commission or committee, special committee or task force meeting, their vote may be cast by a duly appointed proxy in accordance with Article IV, Section E of the Compact, whose authority shall be in writing and filed with the Chair of the Commission or committee, as the case may be, at the time of or before said meeting.

SECTION 3 - Each state or the Commission itself shall be permitted to make use of advisors and consultants of its own choice at any meeting of the Commission or of any committee, special committee or task force. Such advisors and consultants may be permitted to participate in discussions and deliberations without the power to vote.

SECTION 4 - The Commission shall be permitted to designate observers representing the United States and Canadian federal governments, provincial governments, regional organizations, or any others it may so designate to advance the goals and objectives of the Great Lakes Basin Compact. Observers may be permitted to participate in discussions, deliberations and other activities as approved by the Commission, but shall have no vote.

ARTICLE III

EXECUTIVE COMMITTEE

SECTION 1 - There is established an Executive Committee to be composed of a Commissioner from each component state. The governors of each state, where not inconsistent with state law, shall designate the person who shall serve on the Executive Committee. The Chair and Vice-Chair of the Commission shall be elected by the Commission and shall be members of the Executive Committee.

SECTION 2 - The Executive Committee shall evaluate the work, activities, programs and policies of the Commission and shall recommend to the Commission the taking of any action by the Commission relative to such areas. It shall also serve in an advisory capacity to the Chair and Vice-chair of the Commission and shall perform such other duties and functions as the Commission shall delegate to it or otherwise authorize it to perform from time to time on behalf of the Commission. It shall meet on the call of the Chair.

SECTION 3 - The Executive Committee shall review and evaluate budget(s) proposed to be considered by the Commission in accordance with Article VII. Pursuant to Section 8, Article VII, the Executive Committee shall authorize, by majority vote of members present, the adoption of changes to the general operating budget of the Commission. The Executive Committee may authorize increases or decreases of the budget by majority vote of members present. Alterations within previously approved amounts of spending categories, not changing the general operating budget amount, may be adopted by majority approval of the Executive Committee members present.

SECTION 4 - The Executive Committee shall from time to time, review the personnel policies of the Commission and receive recommendations from Commissioners and the Executive Director on these personnel policies. The Executive Committee may authorize changes to the Commission's "Personnel Policies and Procedures" and authorize changes in compensation for the Executive Director and staff personnel within available budget amounts. Compensation includes salary and fringe benefits available to staff.

SECTION 5 - The Executive Committee shall review proposed policies that are prepared for consideration by the Commission and shall report to the full Commission on the findings of the review and provide recommendations on adoption or suggested changes.

SECTION 6 - The Executive Committee shall report on all Executive Committee meetings at the next regularly scheduled or special Commission meeting. Draft minutes of Executive Committee meetings will be furnished to all Commissioners as soon as possible.

SECTION 7 - Executive Committee meetings will be held as needed, including by conference call or in conjunction with full Commission meetings to conserve travel costs to the extent practical for member states. Executive Committee meetings shall be open to all Commissioners as observers. All meetings will be announced to the entire membership. Executive Committee decisions will be made on the basis of a majority vote of those present.

SECTION 8 - The Executive Committee will act on Commission policy and budget matters in accordance with the following guidelines:

- a) The Commission at a special or regularly scheduled meeting, refers the issues to the Executive Committee for action. All Commissioners may participate in discussions, but only Executive Committee members will be entitled to vote on the issue.

b) The Commission is unable to adequately resolve an issue (e.g., additional research, discussion or coordination is required, in a timely manner not available to the full Commission.) The Executive Committee may receive a referral from the Commission, or the Chair, after discussion with the Vice-chair and Executive Director, may notify all Commissioners that an issue has been referred to the Executive Committee for action and resolution. Any objections shall be considered by the Chair. Other Commissioners desiring to participate may do so through the Executive Committee member representing their state.

c) For issues in which circumstances require an immediate decision or action, the Chair, after discussion with the Vice-chair and Executive Director, may refer the issue to the Executive Committee when a full Commission meeting is not an option for resolution. The Chair will report on all action taken by the Executive Committee to the full Commission by U.S. mail or equivalent as soon as practicable.

SECTION 9 - The Chair may designate members of the Executive Committee to undertake special responsibilities as deemed appropriate.

ARTICLE IV

OFFICERS

SECTION 1 - Nominations for Chair and Vice-chair of the Commission shall be made by a nominating committee, and election shall be held at the annual meeting of the Commission. Election to each office shall be by majority vote and each state shall be entitled to three votes. The Chair and Vice-chair shall hold office for one year or until their successors are elected and qualified. In the event the office of Chair becomes vacant, nomination and election to fill the vacancy shall be effected at any meeting of the Commission after due notice to all Commissioners.

SECTION 2 - Chair: The Chair shall take office immediately following adjournment of the meeting at which elected. The Chair shall preside at all meetings of the Commission and of the Executive Committee from such time until a successor shall take office. The Chair shall appoint, or establish the process of appointing, the members of committees, special committees, and task forces. The Chair shall serve as a voting member of Executive Committee.

SECTION 3 - Vice-Chair: The Vice-chair shall act for the Chair in the event of the latter's absence or disability. The Vice-chair shall serve as a voting member of the Executive Committee.

SECTION 4 - Executive Director: Subject to the general supervision of the Commission, the Executive Director shall be the full time executive officer of the Commission. The Executive Director shall be employed by the Commission and shall hold office at the pleasure of the Commission; and shall: (a) Carry out its policies; (b) Serve as editor of any Commission publication; (c) Coordinate the activities of all committees, special committees and task forces; (d) Arrange details and facilities, including secretarial and other services for all Commission and Committee meetings; (e) Serve as ex-officio member without vote for all committees, special committees and task forces; (f) Cause to be made a record of the proceedings of the Commission and Executive Committee and preserve the same in the headquarters office; (g) Give notice of all meetings; (h) Make recommendations on programs, policies, and activities of the Commission; (i) Exercise general supervision under the direction of the Commission of all the Commission programs and activities; (j) Have immediate charge of the headquarters office and personnel.

SECTION 5 - Executive Staff: The executive staff of the Commission shall consist of the Executive Director and such other staff members as may be designated by a majority vote of the Commission from time to time.

ARTICLE V

COMMITTEES

SECTION 1 - The Commission may, from time to time and as deemed necessary, delineate committees, special committees, and task forces to carry out its initiatives.

Each committee, special committee, or task force shall consist of persons from each interested state, nominated by the Chair of the state delegation and appointed by the Chair. Each state shall be entitled to one vote on each committee, special committee and task force. In addition, the Chair of each committee, special committee or task force may arrange for associates or advisors, without payment of compensation or expenses to the same unless authorized by the Commission, to assist the committee, special committee or task force and participate in its deliberations and discussions without power to vote on recommendations.

SECTION 2 - The committees, special committees, and task forces shall conduct studies and research, prepare memoranda and reports in their assigned fields and on that basis make recommendations to the full Commission for specific action to be taken in a particular field. Any and all action on legislative recommendations of a committee, special committee or task force other than discussion, study and voting will be made only with the approval of the Commission.

SECTION 3 - Each committee, special committee or task force shall meet as needed to conduct assigned duties. Through its Chair, or the Chair's designee, each committee, special committee or task force shall submit a written report to the Commission at the regular annual meeting of the Commission. Additional reports may be submitted at any meeting of the Commission. Recommendations by the committees, special committees and task forces calling for action by the Commission shall be received in writing by the Chair of the Commission and the Executive Director at least one month prior to the date of the meeting of the Commission at which such action is to be sought, unless special permission is granted by the Commission Chair for a late report.

ARTICLE VI

MEETINGS

SECTION 1 - Annual and semi-annual meetings: The Commission shall meet at least twice annually. The annual meeting normally shall be held during the month of October; the semi-annual meeting normally shall be held during months of March, April or May. The Chair shall consider recommendations and invitations of Commissioners in selecting meeting locations, and views on conditions which tend to over-ride the normally established meeting dates.

SECTION 2 - Notice: The Executive Director shall mail notice in writing of the time and place of each regular meeting of the Commission to each member not later than 60 days prior to the date of the meeting.

SECTION 3 - Special meetings: Special meetings of the full Commission may be called by the Chair to be held at times and places identified in an official call for such meetings.

SECTION 4 - Order of business and rules: The order of business which may be developed by Bylaws, tradition or ruling of the presiding officer of the Commission or Executive Committee may be changed at any meeting of the body proposing a change in its order of business by vote of a majority of members present, except as otherwise provided by the Compact or the Bylaws. The usual applicable parliamentary rules and precedents will govern all proceedings.

ARTICLE VII

BUDGET AND FINANCE

SECTION 1 - All component states shall share equally in the expenses of the Commission. Each individual state shall bear the expenses of its Commissioners or attendants at Commission meetings and such expenses shall not be paid out of funds in the Commission treasury.

SECTION 2 - In the case of committee, special committee or task force programs the Commission may authorize the payment of expenses of committee, special committee or task force members from Commission funds.

SECTION 3 - Financial remittances to the Commission by each member state shall be requested for each fiscal year. The amount of each remittance shall be determined by the Commission in accordance with Sections 1, 6, 7 and 8, this Article and Article V of the Compact.

SECTION 4 - The Executive Director shall, on a quarterly basis, prepare and submit to the Executive Committee a statement presenting the Commission's financial condition.

SECTION 5 - With the approval of the Executive Committee the Executive Director may make transfers of funds within the approved budget of the Commission.

SECTION 6 - The budget of estimated expenditures referred to in Article V of the Compact shall be adopted at the annual meeting of the Commission in the even-numbered years and shall be transmitted to each member state by the Chair of the state's membership on the Commission.

SECTION 7 - The budget of the Commission shall consist of two parts:

- a) The "general operating budget" shall include, but not be limited to funds remitted by each member state, Commission reserve funds and interest earned. Expenditures will normally include routine operating costs for the Commission.
- b) The "restricted fund budget" shall include income from projects, grants and other sources not considered as a routine revenue. Expenditures will normally be made to fund costs of the projects or grants incurred by the Commission. Transfers to pay Commission operating expenses may be made in accordance with grant or project authorization.

SECTION 8

- a) The Executive Director shall prepare a proposed budget for each year of the two-year period for review and evaluation by the Executive Committee at a meeting to be held between the semi-annual meeting and annual meeting of the full Commission in even-numbered years. The proposal shall include estimated income and expenditures for each part of the budget for each year.

b) The Executive Committee will make necessary changes to the proposal and will recommend a budget to be considered by the full Commission. The general operating budget component shall be used to determine the financial remittance required by each member state. After adoption by the Commission, only a majority vote by the full Commission shall authorize a change in a member state's required financial remittances for each year of the two year period.

SECTION 9 - While the full budget of the Commission will be adopted for a two year period, certain changes and alterations are expected to occur. These will be handled as follows:

- a) Changes in the general operating budget, not requiring a change in required member state remittances, may be made by majority vote of the Executive Committee or by a majority vote of the full Commission.
- b) Changes in the restricted fund budget, not amending the general operating budget, may be adopted by a majority vote of either the full Commission or the Executive Committee.
- c) Changes in the budget, requiring alterations in the required member state remittance will only be authorized by majority vote of the full Commission.
- d) Changes in the budget requiring immediate action, where an Executive Committee or full Commission meeting is not possible, may be made by the Executive Director in consultation with the Chair or Vice-chair, as available. A subsequent report to, and ratification by, the Executive Committee or Commission, as appropriate, will be sought.

ARTICLE VIII

AMENDMENT OF BYLAWS

These Bylaws may be altered and amended at any regular meeting upon the affirmative majority vote of the Commission. However, no amendment may be considered at any such meeting unless the proposed amendment shall have been received by the Chair and Executive Director at least one month prior to the first day of the month of which said regular meeting shall be held. Immediately upon receipt of such proposed amendment the Executive Director shall refer it to the Executive Committee and shall send a copy thereof to each member of the Commission within fifteen days after the receipt thereof, together with notice of the date on which the proposed amendment will be acted upon by the Commission.

Bylaws as approved December 3, 1962; amended July 23, 1965; December 14, 1966; June 14, 1968; November 20, 1968; June 9, 1970; October 6, 1971; June 19, 1973; May 28, 1982; October 7, 1983; March 13, 1986; and March 5, 1993.

GREAT LAKES BASIN COMPACT

(With State & Federal Legislative History)

Reprinted by

**Great Lakes Commission
The Argus II Building
400 Fourth Street
Ann Arbor, MI 48103-4816**

GREAT LAKES BASIN COMPACT

The party states solemnly agree:

ARTICLE I

The purposes of this compact are, through means of joint or cooperative action:

1. To promote the orderly, integrated, and comprehensive development, use, and conservation of the water resources of the Great Lakes Basin (hereinafter called the Basin).
2. To plan for the welfare and development of the water resources of the Basin as a whole as well as for those portions of the Basin which may have problems of special concern.
3. To make it possible for the states of the Basin and their people to derive the maximum benefit from utilization of public works, in the form of navigational aids or otherwise, which may exist or which may be constructed from time to time.
4. To advise in securing and maintaining a proper balance among industrial, commercial, agricultural, water supply, residential, recreational, and other legitimate uses of the water resources of the Basin.
5. To establish and maintain an intergovernmental agency the end that the purposes of this compact may be accomplished more effectively.

ARTICLE II

- A. This compact shall enter into force and become effective and binding when it has been enacted by the legislatures of any four of the States of Illinois, Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania, and Wisconsin and thereafter shall enter into force and become effective and binding as to any other of said states when enacted by the legislature thereof.
- B. The Province of Ontario and the Province of Quebec, or either of them, may become states party to this compact by taking such action as their laws and the laws of the Government of Canada may prescribe for adherence thereto. For the purposes of this compact the word 'state' shall be construed to include a Province of Canada.

ARTICLE III

The Great Lakes Commission created by Article IV of this compact shall exercise its powers and perform its functions in respect to the Basin which, for the purposes of this compact shall consist of so much of the following as may be within the party states:

1. Lakes Erie, Huron, Michigan, Ontario, St. Clair, Superior, and the St. Lawrence River, together with any and all natural or manmade water interconnections between or among them.
2. All rivers, ponds, lakes, streams, and other watercourses which, in their natural state or in their prevailing conditions, are tributary to Lakes Erie, Huron, Michigan, Ontario, St. Clair, and Superior or any of them or which comprise part of any watershed draining into any of said lakes.

ARTICLE IV

- A. There is hereby created an agency of the party states to be known as The Great Lakes Commission (hereinafter called the Commission). In that name the Commission may sue and be sued, acquire, hold and convey real and personal property and any interest therein. The Commission shall have a seal with the words 'The Great Lakes Commission' and such other design as it may prescribe engraved thereon by which it shall authenticate its proceedings. Transactions involving real or personal property shall conform to the laws of the state in which the property is located, and the Commission may by by-laws provide for the execution and acknowledgement of all instruments in its behalf.
- B. The Commission shall be composed of not less than three commissioners nor more than five commissioners from each party state designated or appointed in accordance with the law of the state which they represent and serving and subject to removal in accordance with such law.
- C. Each state delegation shall be entitled to three votes in the Commission. The presence of commissioners from a majority of the party states shall constitute a quorum for the transaction of business at any meeting of the Commission. Actions of the Commission shall be by a majority of the votes cast except that any recommendations made pursuant to Article VI of this compact shall require an affirmative vote of not less than a majority of the votes cast from each of a majority of the states present and voting.
- D. The commissioners of any two or more party states may meet separately to consider problems of particular interest to their states but no action taken at any such meeting shall be deemed an action of the Commission unless and until the Commission shall specifically approve the same.
- E. In the absence of any commissioner, his vote may be cast by another representative or commissioner of his state provided that said commissioner or other representative casting said vote shall have a written proxy in proper form as may be required by the Commission.
- F. The Commission shall elect annually from among its members a chairman and vice- chairman. The Commission shall appoint an Executive Director who shall also act as secretary-treasurer, and who shall be bonded in such amount as the Commission may require. The Executive Director shall serve at the pleasure of the Commission and at such compensation and under such terms and conditions as may be fixed by it. The Executive Director shall be custodian of the records of the Commission with authority to affix the Commission's official seal and to attest to and certify such records or copies thereof.
- G. The Executive Director, subject to the approval of the Commission in such cases as its by-laws may provide, shall appoint and remove or discharge such personnel as may be necessary for the performance of the Commission's function. Subject to the aforesaid approval, the Executive Director may fix their compensation, define their duties, and require bonds of such of them as the Commission may designate.
- H. The Executive Director, on behalf of, as trustee for, and with the approval of the Commission, may borrow, accept, or contract for the services of personnel from any state or government or any subdivision or agency thereof, from any inter-governmental agency, or from any institution, person, firm or corporation; and may accept for any of the Commission's purposes and functions under this compact any and all donations, gifts, and grants of money, equipment, supplies, materials, and services from any state or government or any subdivision or agency thereof or inter- governmental agency or from any institution, person, firm or corporation and may receive and utilize the same.

- I. The Commission may establish and maintain one or more offices for the transacting of its business and for such purposes the Executive Director, on behalf of, as trustee for, and with the approval of the Commission, may acquire, hold and dispose of real and personal property necessary to the performance of its functions.
- J. No tax levied or imposed by any party state or any political subdivision thereof shall be deemed to apply to property, transactions, or income of the Commission.
- K. The Commission may adopt, amend and rescind by-laws, rules and regulations for the conduct of its business.
- L. The organization meeting of the Commission shall be held within six months from the effective date of the compact.
- M. The Commission and its Executive Director shall make available to the party states any information within its possession and shall always provide free access to its records by duly authorized representatives of such party states.
- N. The Commission shall keep a written record of its meetings and proceedings and shall annually make a report thereof to be submitted to the duly designated official of each party state.
- O. The Commission shall make and transmit annually to the legislature and Governor of each party state a report covering the activities of the Commission for the preceding year and embodying such recommendations as may have been adopted by the Commission. The Commission may issue such additional reports as it may deem desirable.

ARTICLE V

- A. The members of the Commission shall serve without compensation, but the expenses of each commissioner shall be met by the state which he represents in accordance with the law of that state. All other expenses incurred by the Commission in the course of exercising the powers conferred upon it by this compact, unless met in some other manner specifically provided by this compact, shall be paid by the Commission out of its own funds.
- B. The Commission shall submit to the executive head or designated officer of each party state a budget of its estimated expenditures for such period as may be required by the laws of that state for presentation to the legislature thereof.
- C. Each of the Commission's budgets of estimated expenditures shall contain specific recommendations of the amount or amounts to be appropriated by each of the party states. Detailed commission budgets shall be recommended by a majority of the votes cast, and the costs shall be allocated equitably among the party states in accordance with their respective interests.
- D. The Commission shall not pledge the credit of any party state. The Commission may meet any of its obligations in whole or in part with funds available to it under Article IV(H) of this compact, provided that the Commission takes specific action setting aside such funds prior to the incurring of any obligations to be met in whole or in part in this manner. Except where the Commission makes use of funds available to it under Article IV(H) hereof, the Commission shall not incur any obligations prior to the allotment of funds by the party states adequate to meet the same.

- E. The Commission shall keep accurate accounts of all receipts and disbursements. The receipts and disbursements of the Commission shall be subject to the audit and accounting procedures established under the by-laws. However, all receipts and disbursements of funds handled by the Commission shall be audited yearly by a qualified public accountant and the report of the audit shall be included in and become a part of the annual report of the Commission.
- F. The accounts of the Commission shall be open at any reasonable time for inspection by such agency, representative or representatives of the party states as may be duly constituted for that purpose and by others who may be authorized by the Commission.

ARTICLE VI

The Commission shall have power to:

- A. Collect, correlate, interpret, and report on data relating to the water resources and the use thereof in the Basin or any portion thereof.
- B. Recommend methods for the orderly, efficient, and balanced development, use and conservation of the water resources of the Basin or any portion thereof to the party states and to any other governments or agencies having interests in or jurisdiction over the Basin or any portion thereof.
- C. Consider the need for and desirability of public works and improvements relating to the water resources in the Basin or any portion thereof.
- D. Consider means of improving navigation and port facilities in the Basin or any portion thereof.
- E. Consider means of improving and maintaining the fisheries of the Basin or any portion thereof.
- F. Recommend policies relating to water resources including the institution and alteration of flood plain and other zoning laws, ordinances and regulations.
- G. Recommend uniform or other laws, ordinances, or regulations relating to the development, use and conservation of the Basin's water resources to the party states or any of them and to other governments, political subdivisions, agencies of inter-governmental bodies having interests in or jurisdiction sufficient to affect conditions in the Basin or any portion thereof.
- H. Consider and recommend amendments or agreements supplementary to this compact to the party states or any of them, and assist in the formulation and drafting of such amendments or supplementary agreements.
- I. Prepare and publish reports, bulletins, and publications appropriate to this work and fix reasonable sales prices therefore.
- J. With respect to the water resources of the Basin or any portion thereof, recommend agreements between the governments of the United States and Canada.
- K. Recommend mutual arrangements expressed by concurrent or reciprocal legislation on the part of Congress and the Parliament of Canada including but not limited to such agreements and mutual arrangements as are provided for by Article XIII of the Treaty of 1909 Relating to Boundary Waters and Questions Arising Between the United States and Canada. (Treaty Series, No 548).

- L. Cooperate with the governments of the United States and of Canada, the party states and any public or private agencies or bodies having interests in or jurisdiction sufficient to affect the Basin or any portion thereof.
- M. At the request of the United States, or in the event that a Province shall be a party state, at the request of the Government of Canada, assist in the negotiation and formulation of any treaty or other mutual agreement between the United States and Canada with reference to the Basin or any portion thereof.
- N. Make any recommendation and do all things necessary and proper to carry out the powers conferred upon the Commission by this compact, provided that no action of the Commission shall have the force of law in, or be binding upon, any party state.

ARTICLE VII

Each party state agrees to consider the action the Commission recommends in respect to:

- A. Stabilization of lake levels.
- B. Measures for combating pollution, beach erosion, floods and shore inundation.
- C. Uniformity in navigation regulations within the constitutional powers of the states.
- D. Proposed navigation aids and improvements.
- E. Uniformity or effective coordinating action in fishing laws and regulations and cooperative action to eradicate destructive and parasitical forces endangering the fisheries, wildlife and other water resources.
- F. Suitable hydroelectric power developments.
- G. Cooperative programs for control of soil and bank erosion for the general improvement of the Basin.
- H. Diversion of waters from and into the Basin.
- I. Other measures the Commission may recommend to the states pursuant to Article VI of this compact.

ARTICLE VIII

This compact shall continue in force and remain upon each party state until renounced by the act of the legislature of such state, in such form and manner as it may choose and as may be valid and effective to repeal a statute of said state, provided that such renunciation shall not become effective until six months after notice of such action shall have been officially communicated in writing to the executive head of the other party states.

ARTICLE IX

It is intended that the provisions of this compact shall be reasonably and liberally construed to effectuate the purposes thereof. The provisions of this compact shall be severable and if any phrase, clause, sentence or provision of this compact is declared to be contrary to the constitution of any party state or of the United States, or in the case of a Province, to the British North America Act of 1867 as amended, or the applicability thereof to any state, agency, person or circumstances is held invalid, the constitutionality of the remainder

of this compact and the applicability thereof to any state, agency, person or circumstance shall not be affected thereby, provided further that if this compact shall be held contrary to the constitution of the United States, or in the case of a Province, to the British North America Act of 1867 as amended, or of any party state, the compact shall remain in full force and effect as to the remaining states and in full force and effect as to the state affected as to all severable matters.

STATE LEGISLATIVE HISTORY:

Illinois: (69th GA House Bill, No. 983, 1955)

Indiana: (Chapter 220 (H. 216, Approved March 10, 1955)

Michigan: (Act No. 28, Public Acts of 1955, Approved by Governor April 14, 1955)

Minnesota: (Laws of Minnesota 1955, Chapter 691; S.F. No. 1982)

New York: (Chapter 643, Laws of 1960)

Ohio: (Amended House Bill 415, Effective October 9, 1963, 105 General Assembly)

Pennsylvania: (Act of Pennsylvania General Assembly, No. 421, 1955-56 Session)

Wisconsin: (No. 294 A, Chapter 275, Laws of 1955)

The Commission was officially organized and established December 12, 1955 subsequent to ratification of the compact by five states (Illinois, Indiana, Michigan, Minnesota and Wisconsin). The Commission office was established on the Campus of the University of Michigan in early 1956.

CONGRESSIONAL CONSENT - LEGISLATION:

All interstate compacts require Congressional consent (Article I, Sec. 10, Clause 3, Constitution of the United States) in order to achieve full force and effect. Numerous bills were considered beginning in 1956. In 1968, Congress enacted S. 660 (PL 90-419) giving limited consent to the compact as follows:

"Public Law 90-419
90th Congress, S. 660
July 24, 1968

"AN ACT

"Granting the consent of Congress to a Great Lakes Basin Compact, and for other purposes.

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the consent of Congress is hereby given, to the extent and subject to the conditions hereinafter set forth, to the Great Lakes Basin Compact which has been entered into by the States of Illinois, Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania and Wisconsin in the form as follows:

"GREAT LAKES BASIN COMPACT"

(The full text of the State adopted Compact text is included in PL 90-419 at this point.)

"SEC. 2. The consent herein granted does not extend to paragraph B of article II or to paragraphs J, K, and M of article VI of the compact, or to other provisions of article VI of the compact which purport to authorize recommendations to, or cooperation with, any foreign or international governments, political subdivisions, agencies or bodies. In carrying out its functions under this Act the Commission shall be solely a consultative and recommendatory agency which will cooperate with the agencies of the United States. It shall furnish to the Congress and to the President, or to any official designated by the President, copies of its reports submitted to the party states pursuant to paragraph O of article IV of the compact.

"SEC. 3. Nothing contained in this Act or in the compact consented to hereby shall be construed to affect the jurisdiction on, powers, or prerogatives of any department, agency, or officer of the United States Government or of the Great Lakes Basin Committee established under title II of the Water Resources Planning Act, or of any international commission or agency over or in the Great Lakes Basin or any portion thereof, nor shall anything contained herein be construed to establish an international agency or to limit or affect in any way the exercise of the treaty-making power or any other power or right of the United States.

"SEC. 4. The right to alter, amend, or repeal this Act is expressly reserved. "Approved July 24, 1968."

FEDERAL LEGISLATIVE HISTORY:

PL 90-419 (90th Congress, S 660)
HOUSE REPORT No. 1640 (Comm. on Foreign Affairs).
SENATE REPORT No. 1178 (Comm. on the Judiciary).
CONGRESSIONAL RECORD, Vol. 114 (1968):
June 12: Considered and passed Senate.
July 15: Considered and passed House.
July 24: Signed by the President

**Welcome Great Lakes
state legislators!**

This issue of the ADVISOR, and all future issues, will find its way to the desk of every state legislator in the Great Lakes Basin, as well as others with Great Lakes-related committee assignments. Expanding the readership to these key policymakers is just one of many steps being taken to serve member states both individually and collectively.

In this issue**Special Insert:**

**Land use planning in
the Great Lakes Basin**

Commission Briefs.....2

*Brownfields redevelopment, spill planning grants * Executive Committee report * Commission's Strategic Plan * Congressional appropriations update * Commission's advocacy efforts * Ecosystem Charter signatories * Spills response workshop * New Commissioners * Regional Contingency Plan online * Basin Program * GLIN partners on the World Wide Web*

Around the Lakes.....8

*State environmental agencies reorganization * Council of Great Lakes Governors annual meeting * IJC biennial meeting in Duluth/Superior * Mayors' Conference highlights * Great Lakes Fishery Commission June meeting * Michigan SPAC funding priorities * Fish guides * New exotics in Erie, Superior * Indiana's Water Resource Availability Study*

Calendar.....12Guest editorial**The land use, water quality connection**

**By Robert L. Eddleman; Indiana State Conservationist,
U.S. Department of Agriculture Natural Resources Conservation
Service; Great Lakes Commission Observer**

For too long, land use management and water quality protection have been viewed as separate activities. Thanks in part to the Great Lakes Commission and its programs, the relationship is increasingly recognized and a more integrated, watershed-based approach to land use and water quality is being pursued.

Private landowners are responsible for a greater portion of the natural resources in the Great Lakes Basin than in other parts of the United States. More than 90 percent of the land in the U.S. portion of the basin is privately owned, mostly by farmers and forestry interests; 10 percent is in urban and transportation uses of various kinds. Nationwide, 80 percent of the land is in private ownership.

Trends show that agriculture interests are accepting the responsibility of being good stewards of the resources they manage. The National Resources Inventory shows nearly a 30 percent reduction in soil erosion in Indiana between 1982 and 1992. Similar reductions occurred across the basin and the nation.

Erosion reduction and corresponding reductions in sediment-delivered phosphorus and other pollutants have been attributed to many factors. Among them are the 1985 and 1990 Farm Bills, economics of conservation tillage, better plant and insect chemistry and education efforts. In addition, I believe farmers' conscious efforts to be better stewards were a major factor.

Rapid adoption rates of conservation tillage have significantly contributed to erosion reduction. The rapid adoption came from receptive farmers looking for more economical and environmentally sound production techniques and the combined education efforts of agribusiness, government, farm and environmental organizations. These efforts were coordinated at the local level by soil and water conservation districts. The tremendous effort by agribusiness to produce equipment and chemicals to meet the challenges of conservation tillage was a significant boost.

Today, farmers are turning their attention to even broader environmentally sensitive and economically effective production methods. Integrated Crop Management (ICM) is rapidly gaining acceptance, resulting in cleaner water and higher profits. ICM is, in simplest terms, a method of determining the nutrient and pesticide needs on a field-by-field basis and adjusting farming activities to meet actual crop needs.

Soil tests are performed to determine existing nutrient levels. Credit is given for the animal manures being applied, and the remaining needs are met by commercial fertilizer application. Until recently, animal manure was referred to as "animal waste," but now farmers recognize it as a resource, a valuable "input" in their nutrient management program.

Field scouting for insect and weed pests is another rapidly growing part of ICM production techniques. Pesticides are applied only when needed and when it makes economic sense.



Continued on page 5

• The ADVISOR is published bimonthly by the Great Lakes Commission •

The Great Lakes Commission is an eight-state compact agency established in 1955

"to promote the orderly, integrated and comprehensive development, use and conservation of the water resources of the Great Lakes Basin."

Patrick R. Ralston, Chair; Michael J. Donahue, Ph.D., Executive Director

The Argus II Building • 400 Fourth St. • Ann Arbor, Michigan 48103-4816 • 313-665-9135 • Fax: 313-665-4370 • E-mail: glc@great-lakes.net

Great Lakes Commission

Chair

Patrick R. Ralston (IN)

Vice Chair

Donald R. Vonnahme (IL)

Executive Director

Michael J. Donahue, Ph.D.

Program Managers

Thomas R. Crane, Resource Management and Environmental Quality

Carol A. Ratza, Communications; Director, Great Lakes Information Network

Stephen J. Thorp, Transportation and Economic Development

Project Managers

Laura Beer

Katherine Glassner-Shwayder

Paula D. McIntyre

Lori Reynolds

Program Specialists

Bonnie Bouman

Mike Conley

Matthew Doss

Christine Manninen

James J. Nicita

Victoria Pebbles

Lisa E. Rives

Director of Research, Emeritus

Albert G. Ballert, Ph.D.

Administrative Staff

Cappy Bilakos, Manager, Financial Services

Rita J. Straith, Manager, Support Services

Marilyn Ratliff, Database Administrator

Celeste Ellis Whiting, Administrative Assistant

Research Associates

Matt Mistor

Dulcey Simpkins

The Great Lakes Commission, as an equal opportunity employer, complies with applicable federal and state laws prohibiting discrimination. It is the policy of the Commission that no person, on the basis of race, gender, color, religion, national origin or ancestry, age, marital status, handicap or prior military service status shall be discriminated against.

Printed on recycled paper.

GLPF to support Commission's brownfields redevelopment, spill planning initiatives

Great Lakes Commission work on brownfields redevelopment and spill prevention planning will get a boost, thanks to two grants recently awarded by the Great Lakes Protection Fund.

The Commission, in collaboration with the Council of Great Lakes Governors, has been awarded \$83,000 for a two-year project to enhance the region's capability to protect the Great Lakes from oil spills.

This project builds upon the 1994 report of the council-sponsored Great Lakes Spill Protection Initiative, which identified areas of common interest and concern between industry and state and federal agencies pertaining to spill protection and response in the Great Lakes region.

"This Commission-led project will focus on specific actions to improve spill protection and response efforts and preserve and enhance Great Lakes ecosystem health," says Daniel Moenter, manager of government affairs for Marathon Oil Company.

Ken Schultz, of the Ohio Environmental Protection Agency's Division of Emergency and Remedial Response and chair of the Great Lakes Emergency Preparedness Task Force, says the project offers a timely and viable approach for improving preparedness under the federal Oil Pollution Act (OPA).

"Funding this project gives representatives of the Great Lakes states and industry an opportunity to have meaningful input into OPA-mandated activities such as area and facility plan development, coordination of spill exercises, spill notification and reporting requirements," Schultz says.

Anticipated projects will include a coordinated industry-led spill exercise with participation from state and federal agencies; a directory of federal, state and industry contacts responsible for exercise coordination; a series of spill prevention fact sheets for multiple audiences; and a

broad regionwide education strategy to promote the importance of Great Lakes spills prevention and protection.

The Commission also received a \$26,000 planning grant to further efforts in brownfields redevelopment. Brownfields are former industrial sites that have become blighted areas of neglect and sources of continuing toxic pollution. The proposed project will identify ways to spur brownfields redevelopment, thereby reducing the pressure to develop outlying, agricultural lands and other open spaces (greenfields) in the Great Lakes Basin.

The brownfields issue is a new Commission priority because of its undeniable effects on the sustainable future of the Great Lakes Basin ecosystem, according to Executive Director Michael Donahue.

"The basin contains thousands of former industrial sites that can be classified as brownfields. The spoils of increased urbanization and the trend toward a more service-oriented economy have encouraged development to migrate to undeveloped greenfields," Donahue explains. "The Commission hopes to identify a mechanism to facilitate cooperation and coordination among the Great Lakes states, provinces and major metropolitan areas in undertaking brownfields redevelopment and greenfields protection."

Three primary tasks will be pursued by the Commission: review of the potential impacts of brownfields on Great Lakes Basin ecosystem health, planning and conducting a regional workshop to assess the potential for cooperative arrangements on brownfields redevelopment and greenfields protection, and preparation of a detailed report and a full project proposal. The workshop is scheduled for August 11 at the USEPA offices in Chicago.

Contact: Tom Crane (spill planning); tcrane@glc.org or Steve Thorp (brownfields); sthorp@glc.org.

Executive committee charts course for FY1996

Executive committee members shaped future Commission activities through a series of budgetary, administrative and program decisions, at a meeting convened by Chair Patrick Ralston on June 14 in Chicago.

Executive Director Mike Donahue opened the meeting with a financial report announcing that the FY1996 financial prospects of the Commission are excellent. Timely dues payments, a diverse revenue stream and several major new projects will permit a 45 percent budget increase over FY1995 levels, with further prospects for growth over the course of the year. Donahue also announced that reserve funds increased markedly over the past year, and an executive committee decision to revamp investment strategies will provide further support for Commission activities. FY1995 budget amendments were approved, and the FY1996 budget was approved as presented.

The committee, noting Ralston's leadership in developing a Strategic Plan for the Commission, released the draft document for full Commission review, approval and formal presentation at the upcoming annual meeting and 40th anniversary celebration. The meeting program also was approved, as was preparation of a commemorative print.

In other business, the Commission's previously adopted 18-point policy statement on federal legislative, appropriations and policy issues was reviewed, and an *Advocacy Strategy Guide*, consisting of Commission correspondence and step-by-step suggestions for advocacy by members and other friends of the Great Lakes, was presented and approved for broad distribution. Both are available online via the Great Lakes Information Network.

Comprised of the delegation chairs of member states, with an elected

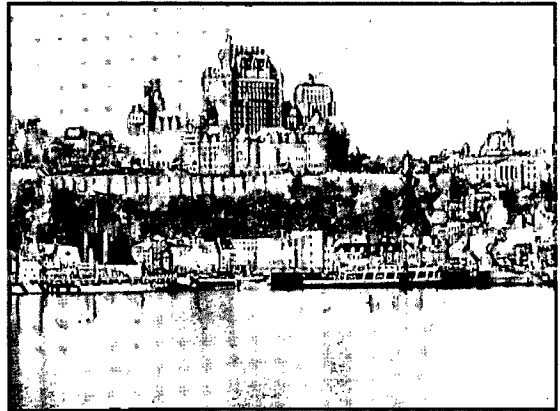
Commission adopts strategic plan: To be released at annual meeting

"A Great Lakes Basin that offers a strong and growing economy, a healthy environment and a high quality of life for its citizens by applying principles of sustainable development in the use, management and protection of its water, land and other natural resources."

These words, in the form of a vision statement, preface the Commission's new strategic plan, adopted in July via mail-in vote by the membership. The year-long effort, spearheaded by Chair Patrick Ralston, provides a five-year blueprint to guide the organization's efforts as mandated in its enabling legislation, the Great Lakes Basin Compact (P.L. 90-419).

"The strategic plan, which will guide the Commission into the 21st century, is a true collaborative effort by the entire membership and our valued Observers," says Commission Executive Director Mike Donahue. "It reaffirms the vision of the Commission's founders 40 years ago, while providing the vision and guidance needed to approach the future with confidence."

The strategic plan, comprised of four goals, 24 objectives and dozens of strategic actions, will be formally released at the Commission's Annual Meeting and 40th Anniversary Celebration. This issue of the *ADVISOR* provides the reader with registration information for the Sep-



tember 6-8 event in Québec City (see insert).

The Commission's business session, featuring a number of policy issues and action items, will be complemented by a special tribute to the Commission's 40th anniversary.

An international flavor will be provided by Québec hosts who, through the St. Lawrence Development Secretariat, are helping to organize special sessions on water resource management challenges at three geographic levels by addressing the St. Lawrence River, North American transboundary issues and international case studies.

Interested attendees are advised to act immediately to secure their attendance at the meeting, as well as travel and lodging arrangements.

For further information on the Commission's strategic plan, other policy initiatives or meeting arrangements, contact Mike Donahue, 313-665-9135; mdonahue@glc.org.

chair and vice chair, the executive committee provides administrative and policy development oversight to the Commission under the authority of the Great Lakes Basin Compact and Commission bylaws. Current members include Chair Patrick R. Ralston (IN), Vice Chair Donald R. Vonnahme (IL), Frank L. Kudrna (IL), Frank J. Kelley (MI),

Thomas E. Huntley (MN), Michael D. Zagata (NY), Donald C. Anderson (Ohio), Irene Brooks (PA) and Nathaniel E. Robinson (WI).

The next executive committee meeting is scheduled for September 6 in Québec City. Contact: Mike Donahue; mdonahue@glc.org.

House addresses appropriations for Great Lakes programs

Editor's Note: This update and table were excerpted from the Northeast-Midwest Institute's Great Lakes Congressional Report (Vol. 5, July 1995).

The congressional appropriations process is now in full swing, and House panel members have recommended significant cuts in FY1996 for many federal programs. The U.S. Environmental Protection Agency (USEPA), for instance, sustained a 30 percent cut from the House Appropriations Committee.

Several Great Lakes environmental programs, however, were funded at levels requested by the Clinton administration and the bipartisan House Great Lakes Task Force (see appropriations table at right).

- USEPA's Great Lakes Nation Program Office received \$14.7 million, equal to the president's request and just \$500,000 less than its fiscal 1995 budget.

- The Section 319 nonpoint source pollution program obtained \$100 million, consistent with the president's request, the Great Lakes Task Force recommendation and last year's level.

- The Great Waters Program, which studies atmospheric deposition of toxic substances into the Great Lakes, received \$3 million, the same as the president's request and \$580,000 less than last year.

- The Pollution Prevention State Grants obtained \$6 million, matching the president's request but \$1.1 million less than FY1995.

- Language was included to support continued funding for the Agency for Toxic Substances and Disease Registry's (ATSDR) research through Great Lakes institutions on the human health effects of consuming contaminated Great Lakes fish.

The House Panel focused significant cuts on USEPA's Environmental Research Laboratories. Last year, the Duluth and Grosse Ile facilities received a total of \$6.3 million. For FY1996, the House panel provided only \$5 million for Duluth and made no mention of Grosse Ile.

	(In millions of dollars)		
Congressional Action (As of 7/28/95)	FY1995 Funding	President's FY1996 Request	House FY1996 Appropriation
Agriculture Subcommittee (House-passed bill)			
Conservation Reserve Program	1742	1926	1800
Great Lakes Basin Program	0.25	0	0.35
Wetlands Reserve	93.9	210	210
Commerce, Justice, State and Judiciary (Full committee markup)			
Aquatic Nuisance Species Research	3.7	0	0
Coastal Zone Management Grants	45.5	46.64	36
Great Lakes Environmental Research Laboratory	4.76	4.76	4
National Sea Grant Program	49	49	53.3
Energy and Water (House-passed bill)			
Public Facility R&D for Aquatic Nuisance Species	2	2	2
RAP Assistance	0.5	0	0.5
Soo Locks Improvement	0.2	0	0.2
Interior (House-passed bill)			
Aquatic Nuisance Species Task Force	4.1	3.8	1.2 (from F&WS)
Great Lakes Recycling Program	0.1	0	0
NBS Great Lakes Science Center	4.1	4.1	0
Transportation (Full committee markup)			
Ballast Water Guidelines	1	0.7	0.7
Icebreaker Mackinaw	4.7	continue operation	continue operation
VA, HUD and Independent Agencies (Full committee markup)			
Clean Lakes Program	3.14	0	0
Duluth Environmental Research Lab	6.3	6.3	5
Great Lakes National Program Office	15.2	14.7	14.7
Great Waters Program	3.58	3	3

The panel also attached a rider declaring that it was providing no funds for the implementation of Section 118 (c)(2)(c) of the Clean Water Act, which directs the states to incorporate the Great Lakes Initiative (GLI) guidance into their environmental programs. Panel members wanted to provide additional time for states to implement GLI programs.

In other business, the committee incorporated report language that re-

stricts USEPA from implementing and enforcing wetlands protection, the Clean Water Act's combined sewer overflow and stormwater programs, the Community Right to Know program and selected Maximum Achievable Control Technology Standards (MACT) outlined in the Clean Air Act. For more information on these and other programs, contact Allegra Cangelosi, Northeast-Midwest Institute, 202-544-5200.

Commission's advocacy efforts for Great Lakes programs continue

With the federal appropriations process fully underway, the Great Lakes Commission continues to implement an 18-point advocacy strategy adopted by its membership in March. The strategy presents recommendations on legislation, appropriations, policies and programs that affect the Great Lakes region.

In recent action, Commission Executive Director Mike Donahue wrote to 23 pivotal members of the House just prior to a floor vote to restore funding to NOAA's Great Lakes Environmental Research Laboratory (GLERL). "GLERL's research activities are fundamental to the continued vitality of the Great Lakes region," Donahue explains. "GLERL plays a critical role in the region's state/federal partnerships."

Thanks to an outpouring of regional support, coupled with leadership within the Great Lakes Congressional Delegation, GLERL's funding has been restored (at \$4 million) in the House. Attention will now be directed at the Senate, and efforts to restore full funding (the Commission advocates \$5.96 million) will be initiated.

House action relative to other Commission priorities has been mixed. USEPA's Great Lakes National Program Office, the Section 319 program and the Great Waters Program have fared reasonably well given the current budgetary climate; the Commission's Great Lakes Basin Program for Soil Erosion and Sediment Control received a sizeable increase over last year; as did the National Sea Grant Program.

The National Biological Service-Great Lakes Science Center was not funded in the House, and funding for Commission-supported aquatic nuisance species prevention and control was not provided at desired levels. Contact: Mike Donahue, 313-665-9135; or Allegra Cangelosi, Northeast-Midwest Institute, 202-544-5200.

Conservationists endorse *Ecosystem Charter*

Pledging their joint "cooperation and involvement to help protect and restore our natural resources throughout the basin," 10 conservationists from the U.S. Natural Resources Conservation Service recently endorsed the *Ecosystem Charter for the Great Lakes-St. Lawrence Basin*.

The state conservationists from the Great Lakes Basin include Tom Christensen (IL), Robert Eddleman (IN), Carole Jett (MI), William Hunt (MN), Richard Swenson (NY), Lawrence Clark (Ohio), Janet Oertly (PA) and Pat Leavenworth (WI). Also signing the official endorsement letter were two regional conservationists, Diane Gelburd and Charles Whitmore.

The charter, a landmark agreement for ecosystem-based management, now enjoys the support of nearly 150 groups in the Great Lakes region, including federal, state, local and tribal jurisdictions, environmental groups, business interests and universities. The charter continues

to be a focal point for discussion at many basin meetings and conferences. In recent months, Commission Executive Director Mike Donahue presented keynote addresses on the charter at the annual conference of the International Association for Great Lakes Research, at a Great Lakes Regional American Indian Network Roundtable in Sault Ste. Marie and at the Association for Conservation Information Conference.

If your agency or organization has not already become a charter signatory, you are encouraged to fill out an online form via the Great Lakes Information Network (GLIN) on the World Wide Web at <http://www.great-lakes.net:2200/partners/GLC/pub/ec/ecochart.html>. If you do not have Internet access, signatory response forms are available via fax or mail from the Commission. Contact: Mike Donahue, mdonahue@glc.org; or Victoria Pebbles, pebbles@glc.org.

Editorial

Continued from page 1

With ICM, if spraying for insect damage costs \$12 per acre and insect damage is only expected to be \$8 or \$9 per acre, the spraying is omitted.

ICM is another area where services of agribusiness are proving valuable to production agriculture. For example, busy farmers often do not have time to collect soil samples for testing or scout for pest problems. Private industry specialists, known as crop advisors, can perform many of these chores in a timely manner and provide the information to farmers to facilitate their decisionmaking process.

Farmers in one Wisconsin watershed practicing ICM principles report reducing commercial fertilizer application by more than 2,400 tons and pesticides by 23 tons annually, while reducing operating costs by \$5,000 per farm.

The reduction in phosphorus delivery in the Lake Erie basin in Ohio,

from more than 800 tons to about 200 tons in 1994, is another example of how agriculture interests are trying to reduce the release of harmful pollutants to the environment.

Everything on the farm and in nature is connected—the soil, water, plants, animals and air. Humans interact with these basic resources and determine the manner in which the resources will serve our future needs. Agriculture and its agribusiness, government, farm and environmental interests—all acting together—are ready to move forward in a logical and reasonable manner to meet the natural resource concerns of the Great Lakes Basin.

As a recently appointed Observer to the Great Lakes Commission, I look forward to working in partnership with the Great Lakes states to address these concerns.

Great Lakes spill prevention, response programs to be assessed

With the help of the Great Lakes Commission, spills experts from across the region will meet at a workshop later this year to discuss strengths and weaknesses of federal and state programs and to assist in development of the spills component of the Great Lakes Critical Programs Act.

The Great Lakes Commission is assisting the U.S. Environmental Protection Agency's Great Lakes National Program Office (GLNPO) in assessing the potential for spills in the Great Lakes region. Staff will identify areas likely to experience numerous or voluminous spills from land-based facilities, vessels or other sources; assess current preparedness programs; and identify actions needed to improve spill prevention and response.

GLNPO is drafting a report, *Review of Spill Potential in the Great Lakes*, that, when complete, will identify areas in the basin most susceptible to spills. The Commission, working with GLNPO to expand and update the draft report, will provide information on areas of environmental/economic sensitivity, potable/industrial water supply intakes and facility/pipeline/transportation corridor data, along with any recommendations generated at the workshop.

The upcoming workshop will allow representatives from Great Lakes states and federal agencies to discuss preparedness and response programs in their respective jurisdictions. Small group discussions will help identify state and federal agency needs, and opportunities to streamline programs to eliminate redundancies or gaps.

GLNPO will use the results of the workshop as part of its report to Congress under the terms of the Critical Programs Act. Contact: Tom Crane; tcrane@glc.org.

New York and Pennsylvania name new delegation leaders

The Commission welcomes two new state officials who will chair their respective state delegations: Michael Zagata, Commissioner of the New York State Department of Environmental Conservation (DEC), and Irene Brooks, special assistant to the secretary for intergovernmental affairs at the Pennsylvania Department of Environmental Protection, formerly part of the Department of Environmental Resources (DER).

Prior to joining New York's DEC in 1994, Zagata spent 13 years managing environmental concerns for major energy companies in Texas and Oklahoma. His previous positions include program development officer for the National Research Council, director of federal relations for the National Audubon Society, field director for the Wildlife Society of Bethesda, Maryland, and assistant professor of wildlife resources at the University of Maine.

Zagata holds a doctorate in wildlife ecology from Iowa State University and bachelor's and master's degrees in biology, physical science and



Zagata

mathematics from the State University of New York. He succeeds former DEC Commissioner Langdon Marsh as head of the Commission's New York Delegation.

Brooks, who succeeds Joe Hoffman as head of the Pennsylvania Delegation, was appointed to the Pennsylvania DER in April. In July, the DER was split into two separate



Brooks

agencies: the Department of Environmental Protection (of which Brooks is a part) and the Department of Conservation and Natural Resources.

Brooks is former chair of the Delaware River Basin Commission (DRBC) and served as U.S. Commissioner to the DRBC from 1989 to 1994, under the appointment of former President George Bush.

In her most recent position, director of the Chester County Water Resources Authority, she oversaw completion of the Hibernia Dam Project and secured \$1.5 million in federal funds to expand the project's recreational aspects.

Regional Contingency Plan goes online

The U.S. Environmental Protection Agency (USEPA) Region 5 Regional Contingency Plan (RCP) is now available on the World Wide Web via the Great Lakes Information Network.

The RCP provides a mechanism for coordinating responses to oil or hazardous materials spills within the Inland Zone of Illinois, Indiana, Michigan, Minnesota, Ohio and Wisconsin, and within the tribal lands of the 29 federally recognized Indian tribes in USEPA Region 5.

To view the document, type in the following address (URL): <http://www.great-lakes.net:2200/partners/EPA/rcp/rcp.html>.

The USEPA Region 5 Oil Pollution Act of 1990 Area Contingency Plan will be online by mid-August. The plan addresses the prevention, removal and/or mitigation of oil spills in the Inland Zone.

For more information, contact Laura Beer at the Great Lakes Commission, 313-665-9135; lbeer@glc.org.

Land use planning and watershed management in the Great Lakes Basin

While many of the issues and needs that spurred the formation of the Great Lakes Commission 40 years ago still exist today, scientific knowledge of the Great Lakes and the management tools available to researchers and policymakers have changed dramatically. Terms like *ecosystem approach*, *land use planning*, *watershed management*, *brownfields* and *geographic information systems* now dominate the language and thinking of those charged with managing and protecting the Great Lakes. The successful development and broad acceptance of the Commission-coordinated *Ecosystem Charter for the Great Lakes-St. Lawrence Basin* is indicative of this new thinking.

As we approach the turn of the century, the Commission realizes that just managing Great Lakes water resources is not enough to protect the integrity of the regional environment. Regionwide watershed-based land use planning efforts are needed to ensure that human activities on the land do not impair the integrity of the Great Lakes aquatic ecosystem.

The interrelationship of land and water resources also is gaining attention at the federal level. The Clinton administration has proposed a new provision in the Clean Water Act that will establish statewide programs for comprehensive watershed management. In addition, the U.S. Environmental Protection Agency is working with other federal agencies, as well as state and local authorities, to develop ways of refocusing existing water pollution control programs to operate in a more coordinated, comprehensive manner.

Several Commission initiatives that integrate land use and watershed-based issues are highlighted in this special insert on land use planning and management.



Integrated approaches for managing land and water resources are becoming increasingly popular in the Great Lakes Basin:

- In Indiana, an interagency watershed task force was formed by the Indiana General Assembly to examine water resources from a comprehensive watershed viewpoint.

- The New York Department of Environmental Conservation and the New York Soil and Water Conservation Committee have developed a watershed planning handbook to help counties, individual landowners and others prepare and implement watershed management plans to control nonpoint source pollution.

- In Michigan, the Natural Resources Commission of the Department of Natural Resources has established seven task forces



that have a direct relationship to land use and watershed management.

- Wisconsin's Priority Watershed Program, one of the largest nonpoint source management programs in the United States, has developed an impressive inventory of lake conditions that will surely serve as a guide for future initiatives.

- Minnesota officials have developed ecosystem-based management initiatives, applying the theories and practices of ecosystem management to the state's varied landscapes.

- A Nonpoint Source Pollution Project, being undertaken by the Council of Great Lakes Governors, the Conservation Fund and the National Geographic Society, is developing longterm strategies that will serve as a model for the basin and the nation.

The Great Lakes Basin Program for Soil Erosion and Sediment Control continues to improve and protect Great Lakes Basin water quality through information and education activities and an annual competitive grants component, which funds projects for controlling erosion and sedimentation from both urban and agricultural sources.

The Agricultural Profile project is examining agriculture's impact on the Great Lakes Basin ecosystem by developing a basinwide database and associated analyses. An Agriculture Summit in 1996 will bring together agriculture interests from across the region to recom-

mend a course of action for future policy and research.

A brownfields redevelopment project is a means to implement principles of sustainable development by promoting appropriate new uses for former industrial sites (often contaminated) and discouraging urban sprawl through complementary "greenfields" protection.

Although these programs address a variety of economic and resource management issues affecting the basin, all three illustrate the inextricable linkages between land use management and Great Lakes water quality.

Great Lakes Basin Program

A local approach to addressing basin problems

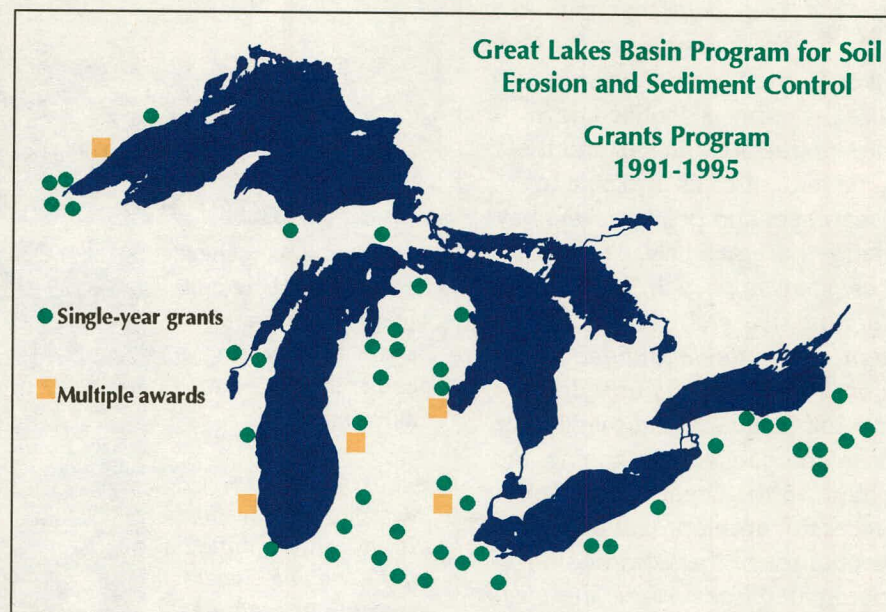
The land use choices made by farmers, developers and shoreline property owners can have far-reaching consequences. The quality of Great Lakes Basin water resources suffer when irresponsible land use practices result in soil and streambank erosion, declining wildlife habitats and lessened water quality.

In order to protect and improve Great Lakes water quality by controlling soil erosion and sedimentation, the Great Lakes Commission, with federal funding support, established the Great Lakes Basin Program for Soil Erosion and Sediment Control. The Basin Program, now in its fifth year, coordinates efforts of various government agencies, and places a particular emphasis on building coalitions and networks for sharing information and educating groups and individual landowners about the importance of soil erosion and sedimentation control.

A competitive annual grants program is one of the Basin Program's biggest success stories. Since its inception, the program has supported 59 grants throughout the Great Lakes states, totaling \$3.67 million (see map).

This year's grants program is a prime example of the heightened interest in erosion research and public education initiatives in the Great Lakes Basin. The Basin Program is supporting 22 new projects in 1995-96, the largest number of projects funded since inception of the program in 1991. The funding, totaling \$212,129, was made available to the Commission via cooperative agreement with the U.S. Department of Agriculture Natural Resources Conservation Service.

"The competitive grants component is where direct results of funding Best Management Practices to control erosion and sedimentation are seen," says Carl Lindquist, wa-



tershed project manager for the Marquette County Conservation District in Michigan's Upper Peninsula.

"Thanks to Basin Program funding, the Chocoley River Watershed Project has been able to restore a large segment of sediment-laden trout stream," Lindquist explains. "The project has been crucial in rallying public support and showing the incredible potential for restoring other local streams that have been impacted by excessive sediment."

Reduction in pollutant loadings associated with project activities (see sidebar) is a key measure of overall program success. Projects funded under the Basin Program are selected, in part, on the basis of their ability to provide quantifiable information on the impact of project activities on soil erosion and sedimentation and associated pollutant loadings.

Yet, in addition to such quantifiable reductions, Basin Program demonstration projects have achieved more qualitative goals, such as building networks, and developing and sharing information on project results and technology.

Project participants have benefited from innovative field trips and

educational programs that encourage soil saving practices. In the Ohio Zone-Tillage Demonstration Project (FY1993), for example, Soil and Water Conservation District staff accompanied local farmers on a tour of conservation tillage farms in Illinois that were addressing the problem of highly erodible soils by using zone-till rather than no-till practices.

In its 5-year history, the Great Lakes Basin Program has...

- Saved 317,373 tons of soil, 296 tons of phosphorus and 243 tons of nitrogen.
- Funded erosion and sediment control projects on nearly 100,000 acres of land in the U.S. portion of the Great Lakes Basin; more than half of this total acreage involves conservation tillage projects.
- Supported 59 grants, totaling \$3.67 million. The Basin Program is funding 22 new projects in 1995-96, the largest number since inception of the program.



MEETING REGISTRATION & HOTEL RESERVATION FORMS

GREAT LAKES COMMISSION 1995 ANNUAL MEETING & 40TH ANNIVERSARY CELEBRATION

■ SEPTEMBER 6-8, 1995

■ LOEWS LE CONCORDE HOTEL

■ QUEBEC CITY, QUEBEC

_____ Please register me for the Great Lakes Commission's 1995 Annual Meeting and 40th Anniversary Celebration. Please send me detailed program information when available.

_____ Please send detailed program information for the 1995 Annual Meeting. I will consider registering at that time.

Registration Fee: The fee is \$150(U.S.)/\$200(CA) if this registration form is received by Friday, August 25. After that date, the fee is \$175 (U.S.)/\$235(CA). The registration fee includes all meeting materials, receptions, meals, special events and a commemorative print marking the Commission's 40th Anniversary. Complete the registration form (#1) below and **SEND DIRECTLY TO THE GREAT LAKES COMMISSION**.

Program: The 1995 Annual Meeting features a 40th Anniversary Celebration, business meeting, special sessions on international water resource management, a river tour, meals and social events.

Lodging: A block of sleeping rooms is available at Loews Le Concorde Hotel in Quebec City (418-647-2222) for the nights of September 6-8. A special conference rate of \$71(U.S.)/\$119(CA) for a single or double room has been secured. Complete the reservation form (#2) below and **SEND DIRECTLY TO THE HOTEL**.

Transportation: Allow approximately 45 minutes for ground transportation between the Quebec City airport and the hotel. Taxis are available at approximately \$25(CA) each way. DuPont Shuttle Service (418-649-9226) charges \$8.75(CA) each way or \$16.50 round trip.

=====

FORM #1: MEETING REGISTRATION: COMPLETE AND RETURN TO GREAT LAKES COMMISSION

Name: _____ Title: _____

Organization: _____

Address: _____

City: _____ State/Province: _____ Zip/Postal Code: _____

Phone: _____ Fax: _____

_____ *Please register me; payment will follow or will be provided when I register on site.*

_____ *Enclosed is my Check, Government Voucher or Money Order for \$_____ payable to the Great Lakes Commission.*

PLEASE COMPLETE AND RETURN FORM BY FRIDAY, AUGUST 25 TO: Great Lakes Commission, 400 Fourth St., Ann Arbor, MI 48103-4816. Phone: 313-665-9135; Fax: 313-665-4370.

=====

FORM #2: HOTEL RESERVATION: COMPLETE AND RETURN TO LOEWS LE CONCORDE HOTEL

Name: _____ Title: _____

Organization: _____

Address: _____

City: _____ State/Province: _____ Zip/Postal Code: _____

Phone: _____ Fax: _____

Date of Arrival: _____ Date of Departure: _____

Please provide your credit card number to guarantee your reservation: Card # _____ Expir. Date: _____

Signature: _____ (Refundable if reservation is cancelled 48 hours prior to arrival.)

PLEASE COMPLETE FORM BY FRIDAY AUGUST 4 AND SEND TO LOEWS LE CONCORDE, 1224, PLACE MONTCALM, QUEBEC, QC, G1R 1Y6, CANADA.

Agricultural Profile

Identifying research, management and policy needs

Agriculture is a leading industry in every Great Lakes state and province, which together make up a prominent part of North America's agricultural heartland. The link between this industry and the land and water resources is inextricable; the future of both the industry and the natural resource base depend upon one another.

For example, nonpoint source pollution, including that from agricultural runoff and related erosion and sedimentation, is now the leading source of contaminants entering the Great Lakes ecosystem. This problem calls for an appropriate mix of voluntary programs, regulatory activities and behavioral changes, all based on sound scientific information, and consideration of public policy issues and needs.

To build this foundation, a basin-specific profile of agricultural production, land use and environmental impacts and trends must be developed. Much of the necessary information and data have not yet been assembled on a basinwide level; consequently, issues of data and information availability, accessibility, assembly and interpretation must be addressed. Through a collaborative, multistep process, the Commission's Agricultural Profile project will meet this challenge.

Supported by the Great Lakes Protection Fund, the initiative will identify key research, management and policy questions, as well as other issues and unmet needs. Compiled with a basinwide database, this information will provide a framework—a blueprint—for addressing basin agriculture issues in the future.

"The profile's binational approach to land resource and socio-economic data for the Great Lakes Basin ecosystem

makes it truly unique," says Ian Jarvis, project team member from Agriculture and Agri-Food Canada's Ontario Land Resource Unit.

Jarvis cites the profile's work on correlating the U.S. STATSGO database and the Canadian Soil Landscapes, which, once complete, will permit a level of cross-border environmental analysis that was previously not possible.

Other project partners include Michigan State University (MSU), the University of Guelph and the World Wildlife Fund. In addition, a 16-member committee, drawn from public agencies, universities, private agriculture interests and citizen groups, is advising the project partners. Five issue areas provide the focus for the profile: socio-economic and production dimensions; natural resources and environmental dimensions; human health dimensions; technology creation and transfer; and environmental pro-

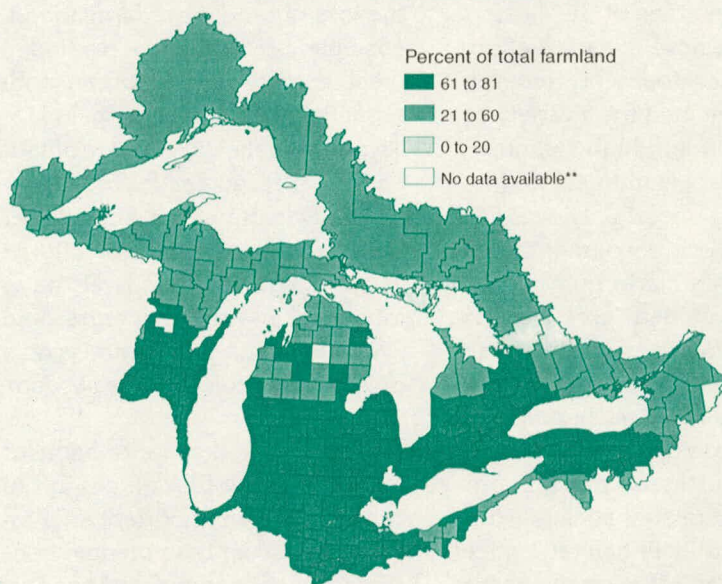
grams, policies and regulations.

Based on these issue areas, Agriculture and Agri-Food Canada and MSU have been collecting data on a binational, basinwide scale (see map). The University of Guelph has compiled an inventory of relevant U.S. and Canadian laws, policies and programs; the World Wildlife Fund is exploring issues of pesticide usage and impacts in a separate report and will contribute to the profile document.

All data collected will be used to develop the Agricultural Profile document, which will include reports on the five issue areas and a case study to demonstrate the application of analytical software in addressing agro-environmental issues.

The culmination of the project will be development of research, management and policy recommendations at an Agriculture Summit, to be held April 22-23, 1996, at MSU in East Lansing, Michigan.

**Distribution of Cropland as a Percent of Farmland*
Across the Great Lakes Basin**



* Cropland and farmland units are in hectares. Data have been standardized to eliminate spatial error. Farmland refers to a farm, ranch or other agricultural holding with sales in excess of \$250 (for Canadian farms) or \$1,000 (for U.S. farms) for crops, livestock, poultry, animals, greenhouse or nursery items, mushrooms, sod, honey or maple syrup. Cropland is the total land area of all field crops (including hay), plus the areas of fruits, vegetables, greenhouses, mushroom houses and nursery products. Does not include pasture or grazing land area.

** Data were suppressed or not reported.

Source: 1991 Canadian Census of Agriculture and 1992 U.S. Census of Agriculture

Brownfields redevelopment**A land use issue for the 1990s and beyond**

Increasing urbanization, and related land consumption, has been a major land use trend in the Great Lakes Basin since the 1950s.

Today, much of the region's population has become concentrated in urban areas, many of which have coastal locations. The 17 largest metropolitan areas currently contain 26 million residents, nearly 80 percent of the entire basin population. Sprawling development also characterizes many of the region's smaller communities.

A recent trend has been the transition of the regional economy from heavy manufacturing to more service-oriented sectors, a result of changing markets, international competition and advances in production technologies. Many communities have experienced plant downsizing and shutdowns as a result, leaving behind thousands of underused or abandoned, and often contaminated, industrial sites, commonly known as "brownfields."

Brownfields, particularly in the central urban areas of the Great Lakes Basin, have thwarted efforts at urban redevelopment. Redevelopment is rejected for a variety of reasons, including high cleanup costs, unclear cleanup standards and lingering uncertainty over liability issues, which encourage development to migrate to outlying areas or undeveloped "greenfields."

The consequences of this urbanization trend include traffic congestion; air, water and noise pollution; contaminated soils; higher housing costs; disinvestment in older communities and related social disruption; loss of wildlife habitat, agricultural lands and other open spaces; and heightened infrastructure investment requirements. Unless checked, or in some cases reversed, these economic, social and environmental problems will have

an irreversible effect on the sustainable future of the Great Lakes Basin ecosystem.

Recognizing the urgency of the brownfields issue, the Great Lakes Commission is taking an

active stance to encourage and enhance brownfields redevelopment in the Great Lakes Basin. With financial support from the Great Lakes Protection Fund, the Commission is undertaking a planning grant project to assess the potential for basinwide cooperation to recycle existing brownfields, thereby reducing development pressure on greenfields.

"To really get at the problems caused by urban sprawl, such as the loss of productive farmland, it is absolutely essential that we find creative ways to make urban lands attractive and habitable again," says Dave Jelinski, director of land and water resources for the Wisconsin Department of Agriculture, Trade and Consumer Protection. Jelinski is one of 26 federal, state, municipal and regional representatives serving on the Commission's Brownfields Project Advisory Committee.

A regional workshop, to be held August 11 at USEPA offices in Chicago, will be an important step toward identifying the potential benefits from cooperative arrangements on brownfields redevelopment and potential linkages to greenfields protection in the region. The outcomes of the workshop will be used to develop a workplan for a



larger brownfields project that would result in policy recommendations on brownfields redevelopment and complementary greenfields protection for local and state agencies.

For more information:**Great Lakes Basin Program**

Tom Crane
Program Manager
Resource Management and
Environmental Quality
tcrane@glc.org

Lori Reynolds
Project Manager
lreynold@glc.org

Agricultural Profile

Tom Crane
Jim Nicita
Program Specialist
jnicita@glc.org

Brownfields Redevelopment

Steve Thorp
Program Manager
Transportation and Economic
Development
sthorp@glc.org
Victoria Pebbles
Program Specialist
pebbles@glc.org

Great Lakes Commission
Argus II Bldg., 400 Fourth Street
Ann Arbor, MI 48103
Phone: 313-665-9135
Fax: 313-665-4370

State conservation districts to highlight Great Lakes Basin Program

The Great Lakes Basin Program for Soil Erosion and Sediment Control will gain visibility and additional support in the region through special presentations at upcoming annual meetings of the State Associations of Conservation Districts.

The presentations, a joint effort of the Great Lakes Commission and the National Association of Conservation Districts, will help the state conservation districts learn more about the importance of the Basin Program, the opportunities associated with the program's competitive grants component and what they can do to help ensure a consistently high level of regional interest and support.

Established in 1991, the Basin Program strives to protect and improve Great Lakes Basin water quality through information/education programs, grants for technical assistance and demonstration projects, and regional coordination (see special insert, page 2A). Since its inception, the program has supported 59 erosion research and public education projects in the Great Lakes Basin at a total funding level of \$3.17 million. Many of these projects are managed by Soil and Water Conservation Districts.

Basin Program funding is subject to the congressional appropriations process on an annual basis, and it is only through the efforts of the states and the program's partners, including the 207 Great Lakes Soil and Water Conservation Districts, that the program receives the congressional support necessary for continuation.

The meetings will be held in late 1995 through 1996. Exact dates and locations have yet to be announced.

Contact: Tom Crane;
tcrane@glc.org.

Indiana DNR develops home page on the World Wide Web

By Mike Quigley

IDNR Director for Management Information Systems; Co-chair, Great Lakes Information Network Advisory Board



Indiana's Department of Natural Resources (IDNR), after being introduced to the Internet in 1993 at a kick-off meeting of the Great Lakes Information Network (GLIN), has now developed its own home page on the World Wide Web.

One of our top priorities has been to link our web site to GLIN, as well as to other DNRs and related agencies. That's the beauty of GLIN, it's so easy and enables so many parties to communicate and exchange information via a computer and a link to the Internet.

IDNR's Web site now includes more than 400 pages of information,

including the department's press releases, publications and newsletters and information about its foundations and divisions. Also included are directions to many of the state's parks, reservoirs, forests and nature preserves.

Future plans for the site include adding GIS data, videos promoting Indiana's recreational areas, bulletin boards, job bank information, and online permitting and licensing.

To view the IDNR web site, type in the following URL: <http://www.state.in.us/acin/dnr>; or look under Agencies and Organizations on GLIN. For more information, contact Mike Quigley, 317-232-4008; mike_quigley_at_dnrlan@ima.isd.state.in.us.

USACE home page unveiled



Joining the IDNR online is another GLIN partner, the U.S. Army Corp of Engineers (USACE), Detroit District.

The USACE home page, which features publications of the Great Lakes Hydrologic and Hydrology Branch, can be found at <http://sparky.nce.usace.army.mil/>; or under Agencies and Organizations on GLIN.

Featured information includes data on Great Lakes water levels and outflows, statistics on monthly precipitation levels and National Weather Service long-range precipitation forecasts.

Hydrographs are available for each of the Great Lakes and Lake

St. Clair. The data span the years 1918 to 1994 and are shown in both meters and feet.

Special pages highlight the Soo Locks, the International Lake Superior Board of Control and the International Great Lakes Datum (IGLD) 1985, a recent revision of the IGLD 1955.

The "datum," an elevation reference system used to define water levels within the Great Lakes-St. Lawrence River system, must be adjusted every 25 to 35 years because of movement of the earth's crust.

For more information, contact: Gordon Larsen (USACE, Detroit District), 313-226-6442; ncepgol@smtp.ncd.USACE.army.mil.

July 1 marks reorganization of Pennsylvania and Illinois state agencies, changes forthcoming in Michigan

Reorganization efforts are underway in a number of Great Lakes state environmental agencies, reflecting a nationwide trend.

Over the past eight years, 41 states have reorganized their environmental agencies, according to results of a national survey conducted by the Pennsylvania Department of Environmental Resources (DER).

The DER itself was recently divided into two cabinet-level agencies: the Department of Environmental Protection (DEP), charged with enforcing state environmental laws, and the Department of Conservation of Natural Resources (DCNR), responsible for managing state parks and forests and administering local recreation grant programs.

The DEP, headed by James Seif, has approximately 3,000 employees and a proposed 1995-96 budget of \$442.2 million.

The DCNR has approximately 1,300 salaried and 1,400 seasonal employees with a proposed 1995-96 budget of \$177.4 million. John Oliver became head of the DCNR on Aug. 1.

Gov. Tom Ridge, who first called for the split in June 1993, says the restructuring enables the state to be more effective and less confrontational in policing the environment.

Michigan's Gov. John Engler recently announced similar plans to move the environmental protection duties of his state's Department of Natural Resources (DNR) to a newly created separate agency, the Department of Environmental Quality.

The new department, to be directed by Russell Harding, will consist of the DNR regulators who now oversee air and water pollution permits, pollution cleanups, waste management, and oil and gas regulations. Roland Harmes will retain his job as DNR director.

Pennsylvania and Michigan join the federal government and 35 other states with separate agencies for environmental protection and resource management.

Coinciding with the Pennsylvania and Michigan reorganizations is a merger of Illinois' state agencies.

On March 1, Governor Jim Edgar signed an Executive Order creating the Illinois Department of Natural Resources (IDNR), which united the Department of Conservation, the Department of Mines and Minerals, the Department of Transportation's Division of Water Resources, the Abandoned Mined Lands Reclamation Council and a portion of the Department of Energy and Natural Resources.

The agencies were consolidated in an effort to provide a more effective way of managing, protecting and preserving Illinois' land, water and cultural resources. The new IDNR, directed by Brent Manning (member of the Commission's Illinois Delegation), has 2,130 full-time employees and a FY1996 budget of more than \$444 million.

Contact: Christina Novak, Pennsylvania DER, 717-787-1323; Guy Gordon, Michigan DNR press secretary, 517-373-1214; or the IDNR director's office, 217-782-6302.

High performance economy is governors' goal

Great Lakes governors embraced a "high performance heartland" theme and made plans to explore a Great Lakes free trade zone concept at the Council of Great Lakes Governors annual meeting, held June 15-16 at Mackinac Island, Michigan. Joining Gov. John Engler (MI), current council chair, were Governors George Voinovich (OH), Jim Edgar (IL) and Tommy Thompson (WI) and governors' representatives from other Great Lakes states.

Guest speakers, including David Allardice, Federal Reserve Bank of Chicago, and Richard Florida, Carnegie Mellon University professor, documented the region's remarkable recovery from its "rust-belt" image of previous years. Experiences in

worker training, business retention and expansion and regional marketing were shared, as well as ways to enhance interstate consistency in policies and programs to provide regional economic development benefits.

In addition to economic development initiatives, the council maintains an active environmental program that emphasizes developing pollution prevention partnerships with industry; the Pollution Prevention Challenge, the Workforce Quality Initiative and Great Lakes Recycle program are examples.

For more information on the council and its programs, contact Executive Director Cristena Bach at 312-407-0177.

IJC biennial meeting, September 22-25

Members, Observers and other friends of the Great Lakes Commission will want to mark their calendars for the upcoming International Joint Commission biennial meeting, Sept. 22-25 in Duluth, Minnesota.

Among the many symposia and special events the Great Lakes Information Network will be showcased in hands-on demonstrations, and Commission Executive Director Mike Donahue, as chair of the IJC's Science Advisory Board, will host a public reception on Sept. 22. Also, the Great Lakes Panel on Aquatic Nuisance Species will meet Sept. 21-22.

For a registration packet, contact the IJC, 313-226-2170.

Ninth annual Mayors' Conference

Mayors focus on water diversion, quality and transportation issues

Nearly 100 policymakers and interested parties from dozens of Great Lakes coastal communities attended the Ninth Annual International Great Lakes-St. Lawrence Mayors' Conference, held June 28-30 in Hamilton, Ontario.

The conference, co-hosted by Hamilton Mayor Robert Morrow and Toledo Mayor Carleton Finkbeiner, featured a number of notable speakers, including the Honorable Sheila Copps, Canada's deputy prime minister and minister of the environment; U.S. Ambassador to Canada James Blanchard; and Stan Keyes, member of Parliament from Hamilton and chairman of the Standing Committee on Transport.

Copps, daughter of former Hamilton Mayor Victor Copps, implored the Great Lakes mayors to become more active in advocating funding support for environmental protection at all government levels.

"As evidenced by this conference, the future of the Great Lakes is not purely a domestic issue," Copps concluded. "There are no fences running down the waters of the St. Lawrence, and there are no barriers in the middle of Lakes Superior, Huron, Erie and Ontario. Canada remains 100 percent in favor of a strong, binational strategy."

Blanchard and Keyes addressed the vital U.S.-Canadian trade connection. The United States and Canada have the largest binational trade relationship in the world, which amounts to more than \$250 billion dollars annually.

Keyes also reported on the *National Marine Strategy*, a recent comprehensive study of the marine transport sector and specific recommendations regarding the St. Lawrence Seaway. One recommendation calls for the Seaway Authority to be restructured as a not-for-profit corporation and negotiations with the United States to address a

more equitable sharing of Seaway costs. The current division of costs is 83 percent Canadian and 17 percent American.

In other business, mayors at the conference adopted a resolution to remain vigilant in opposing efforts to divert Great Lakes water out of the basin and urged continued research on the potential effects of diversion.

The mayors proclaimed support for cabotage, laws which reserve maritime transport of goods and passengers to ships operated under domestic flags, recognizing the inherent safety advantages and economic benefits. The cabotage issue will be discussed further at next year's conference in Québec City.

A water quality data resolution, offered by Montreal, urged Great Lakes and St. Lawrence communities to participate in development of a binational repository of water treatment data. A "Code of Environmental Ethics" resolution was of-



Hamilton Mayor Robert Morrow (left) welcomes George Kennedy, American Consul General in Toronto, and U.S. Ambassador to Canada James Blanchard (right) to the Mayors' Conference.

ferred as a logical follow-up for St. Lawrence communities in support of the *Ecosystem Charter for the Great Lakes-St. Lawrence Basin*.

The mayors also committed themselves to explore developing the Great Lakes Circle Tour online via GLIN to promote tourism among shoreline communities in the basin.

Contact: Steve Thorp;
sthorp@glc.org.

Maritime Forum honors "Persons of the Year"

John Howard "Jack" McAllister was honored posthumously at the recent Mayors' Conference in Hamilton, Ontario, with a Person of the Year award from the Great Lakes-St. Lawrence Maritime Forum.

The award is given annually to individuals who have made outstanding contributions to the Great Lakes maritime community.

McAllister was president of the Ottawa-based Chamber of Maritime Commerce at the time of his death earlier this year.

Prior to joining the chamber, he served as president of the Québec North Shore and Labrador Railway and vice president of Dofasco Ltd., a major Canadian steel company.

Two additional awards will be presented at the Great Lakes Commission's Annual Meeting in Québec City in September when Michelle Cortright, publisher of *Seaway Review*, and Denise Verreault, president of Verreault Navigation, will be honored for their contributions.

The Maritime Forum is an umbrella organization of Great Lakes and St. Lawrence maritime organizations with a primary mission of facilitating regional coordination on policy issues and promoting commercial navigation. The forum is co-chaired by the Ontario Ministry of Transportation, the St. Lawrence Development Secretariat (province of Québec) and the Commission.

Great Lakes research cuts: Hot topic at Fishery Commission meeting

Nonchemical lamprey control and the future of Great Lakes research dominated discussions at the Great Lakes Fishery Commission's 40th anniversary annual meeting, held June 5-9 in Toronto.

U.S. Ambassador to Canada James Blanchard opened the meeting with an address on U.S.-Canadian cooperation in management of Great Lakes resources. He praised the two countries for having an enviable level of cooperation when it comes to trade and environmental protection, noting that the Great Lakes support a \$3 billion sport fishery and are vitally important to both countries' manufacturing sectors.

"There are always threats (to the lakes), and not all the threats are environmental," Blanchard said. "My experience in 20 years in public office is that ignorance is the greatest threat. Every year we have to fight to prevent program cuts." He expressed concern that Great Lakes programs were "getting caught up in

the feeding frenzy over how to dismantle government."

Participants at the meeting concluded that although some research cuts may be necessary to meet national objectives, cuts should be minimized as much as possible and made only with a sound, long-term research strategy in mind.

Other discussions dealt with alternate lamprey control techniques being developed by the Fishery Commission in response to public concern over the use of the chemical lampricide TFM. By taking advantage of new nonchemical control methods, such as permanent, electrical and inflatable sea lamprey barriers, the commission plans to reduce TFM use by 50 percent by the year 2000.

In other Fishery Commission business, Canadian commissioner Gail Beggs, assistant deputy minister for the Policy and Programs Division of the Ontario Ministry of Natural Resources, was elected as new commission chair, replacing U.S. commis-

sioner Buzz Besadny whose term had expired. U.S. commissioner Charles Krueger, associate professor of fisheries science at Cornell University, was elected vice chair. Contact: Marc Gaden, 313-662-3209.

Michigan SPAC sets funding priorities

Faced with funding cutbacks from the U.S. Environmental Protection Agency, the Statewide Public Advisory Council (SPAC) for Michigan's Areas of Concern (AOC) Program identified priorities for its FY1996 program at a quarterly meeting held July 20 in East Lansing, Michigan.

With its base program cut by nearly 50 percent, the SPAC had to make difficult choices among the many projects and proposals developed over the past year to enhance the Remedial Action Plan (RAP) process in Michigan's 14 AOCs.

The SPAC decided to emphasize statewide efforts, including its newsletter and public involvement demonstration grant program; grants for community-based activities, including public advisory councils and local outreach projects; and educational efforts, such as written materials, workshops and efforts to increase public participation in the RAP process.

Two projects that the SPAC is moving ahead with immediately are a brochure providing background on the state's AOC Program and radio public service announcements to raise awareness of the program.

The SPAC's priorities for the coming year reflect its two major goals of increasing public awareness of and support for the AOC Program and building initiative at the local level to move the RAPs forward.

Contact: Lori Reynolds; lreynold@glc.org.



ANNOUNCING

Sixth International Zebra Mussel
and Other Aquatic Nuisance Species Conference
March 5 to 7, 1996, Hyatt Regency, Dearborn, Michigan

CALL FOR PAPERS

Working title and 50-word summary of proposed
paper required by August 15, 1995.

Send to:
Zebra Mussel Conference, 567 Roy Street, Pembroke ON K8A 6R6
For further information call: 1-800-868-8776

Fish guides provide safety information and tips

Is this fish safe to eat? This recurring question, usually prompted by fish advisories and concern and confusion about contaminants, has been asked by almost everyone who likes to eat Great Lakes fish.

The answer, along with easy-to-understand information about how to prepare and preserve Great Lakes fish, can now be found in two publications recently released by the Michigan Sea Grant College Program.

Freshwater Fish Preservation explains how to maintain quality while canning, freezing, smoking or pickling fish, and provides tips on safe handling, cleaning and dressing. Recipes are included.

A complementary publication, *Eating Great Lakes Fish*, explains the nature of contaminants, the amounts of such substances in the Great Lakes, how they get into fish and the potential health effects of eating contaminated fish. Included are results from a 1993 study by Michigan State University and the Michigan Department of Public Health, which confirms that filleting, trimming and thorough cooking can reduce contaminant levels in fish by as much as 64 percent.

According to Carol Swinehart, Michigan Sea Grant Extension officer, the publications are especially useful in addressing the health concerns of today's fish consumers, as well as anglers and food preparers in the Great Lakes region.

Both guides can be obtained from the MSU Bulletin Office, 10B Agriculture Hall, East Lansing, MI 48824-1039. Michigan residents may receive one free copy of *Eating Great Lakes Fish*. Additional copies are 35 cents. Copies of *Freshwater Fish Preservation* are \$1. Contact: Carol Swinehart, Michigan Sea Grant Extension, 517-353-9723.

New exotic species found in Lake Erie, Lake Superior

The Great Lakes ecosystem is once again adapting to the invasion of new exotic species with the recent discovery of the round goby in the Duluth-Superior harbor, and the bighead carp, native to southern and central China, in Lake Erie.

David Jude, a researcher at the University of Michigan's Center for Great Lakes and Aquatic Sciences, who first discovered the goby in the St. Clair River in 1990, noted that with its tremendous range expansion "the goby is expected to continue expanding its populations into the upper and lower Great Lakes through natural movement and, possibly, by hitching a ride on an intrabasin ship."

Intrabasin vessel movement is the likely cause of the species' arrival in Lake Superior. The goby specimen was found by a National Biological Service fishery research crew trawling for Eurasian ruffe, another exotic fish. A small bottom-dwelling fish native to

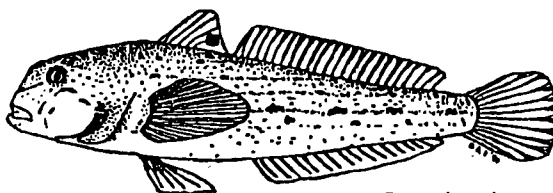
the Black and Caspian seas, the round goby are undesirable because of their aggressive nature and potential to compete with native fish for habitat and food. Of equal concern,

the bighead carp are capable of depleting zooplankton populations, required by most larval

and some adult Great Lakes fish.

First imported into the United States in 1972 by a private fish farmer, the carp was discovered May 10 in Lake Erie in a commercial trap off Cedar Point, Ohio. After being delivered to the Ohio Department of Natural Resources, the specimen was positively identified by Ted Cavender, curator of fishes at Ohio State University's Museum of Biological Diversity.

Contact: Jim Selgeby, National Biological Service, 715-682-6163; or Roger Knight, ODNR Division of Wildlife, 419-625-8062.



Round Goby

IDNR publishes Water Resource Availability Study

The Indiana Department of Natural Resources (IDNR) is pleased to announce publication of *Water Resource Availability in the Lake Michigan Region*, a 258-page report outlining the supply and demand of water resources in Indiana's portion of the Great Lakes Basin.

"This report, coupled with a similar report for the St. Joseph River basin and 10 years of water use data, allows Indiana to make a unique contribution to the development of a cooperative water resources management program for the Great Lakes Basin," says John Simpson, director of the IDNR Water Division.

Facts and figures about surface- and groundwater quality, and analyses of previously unpublished data

on geology and water quality are included in the report. Foldout maps, color plates and statistical information provide comprehensive insights into the supply and demand of water in the region.

Patrick Ralston, IDNR director and Great Lakes Commission chair, reports that another study for the Maumee River basin, which also drains into the Great Lakes, is now in progress. The Maumee River report will be the final element in IDNR's study of Indiana basins that drain into the Great Lakes.

For a copy of the report, send a check or money order for \$10.50 to IDNR Division of Water, 402 W. Washington, Rm. W264, Indianapolis, IN 46204-2748.

Great Lakes Calendar

This calendar is a compilation of selected events of interest to the Commission. Further details and a more extensive calendar are available online via the Great Lakes Information Network. We encourage your input to the calendar. If you know of an event you'd like us to include, please contact Christine Manninen at 313-665-9135; manninen@glc.org.

Commission events

August

11 Regional Brownfields Workshop. USEPA Region 5 offices; Chicago, IL. Contact: Steve Thorp, 313-665-9135; sthorp@glc.org.

24 Ameritech GLIN demonstration. Chicago, IL. Contact: Carol Ratza, 313-665-9135; cratza@glc.org.

September

6-8 Great Lakes Commission Annual Meeting. Québec City, Québec. Contact: Rita Straith, 313-665-9135; rstraith@glc.org.

21-22 Great Lakes Panel on Aquatic Nuisance Species Meeting. Duluth, MN. Contact: Lori Reynolds, 313-665-9135; lreynold@glc.org.

Basin events

August

25-27 Lake Michigan Science Partners '95 Open House. Lake Michigan Field Station, Muskegon, MI. Contact: Al Beeton, GLERL, 313-741-2244; beeton@glerl.noaa.gov.

September

9-Oct. 1 Coastweeks '95, Ohio's Celebration of Lake Erie. Contact: Cherie Blevins, Ohio Lake Erie Office; One Maritime Plaza; Toledo, Ohio 43604-1866; 419-245-2514.

11 Can America Save Its Fisheries? A Sea Grant National Issues Forum. National Press Club, Washington, D.C. Contact: Ben Sherman, Sea Grant National Media Relations Coordinator, 301-405-6381; sherman@mbimail.umd.edu.

16 Great Lakes Beach Sweep. Contact: Tanya Cabala, Lake Michigan Federation, 616-722-5116.

18-20 19th Annual Inland Spills Conference. Akron Hilton Inn West; Akron, Ohio. Contact: Linda Fields, Ohio EPA, 1800 Watermark Dr.; Columbus, Ohio 43215-1099; 614-644-2260.

22-25 International Joint Commission's Biennial Meeting on Great Lakes Water Quality. Duluth, MN. To register, contact Rita Kerner, IJC, 1250 23rd St. NW, Suite 100; Washington, D.C. 20440; or for general information, 313-226-2170.

25-26 Global Change Education Workshop. University of Wisconsin-Stevens Point campus. Contact: University of Wisconsin Sea Grant Institute, 608-265-5109; ahmiller@seagrant.wisc.edu.

October

11-12 Water and First Nations in Ontario. Six Nations Woodland Cultural Centre; Brantford, Ontario. Contact: Marie Sanderson, University of Waterloo, 519-885-1211, ext. 6962.

November

6-11 15th International Symposium of the North American Lake Management Society. Theme: "Aquatic Ecosystem Management." Toronto, Ontario. Contact: Murray Charlton, 905-336-4758.

14-16 11th Annual Midwest Environmental Roundtable. Theme: "Achieving Environmental Goals Through Partnerships." Lake Geneva, WI. Contact: Bill Franz, 312-886-7500.



ADVISOR

The Argus II Building
400 Fourth Street
Ann Arbor, MI 48103-4816

Address Correction Requested

BULK RATE
U.S. POSTAGE
PAID
PERMIT No. 112
ANN ARBOR, MICH.

