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INTERNATIONAL JOINT COMMISSION  
GREAT LAKES WATER QUALITY AGREEMENT  
DIRECTORY FOR  
AGREEMENT INSTITUTIONS

June 28, 1994



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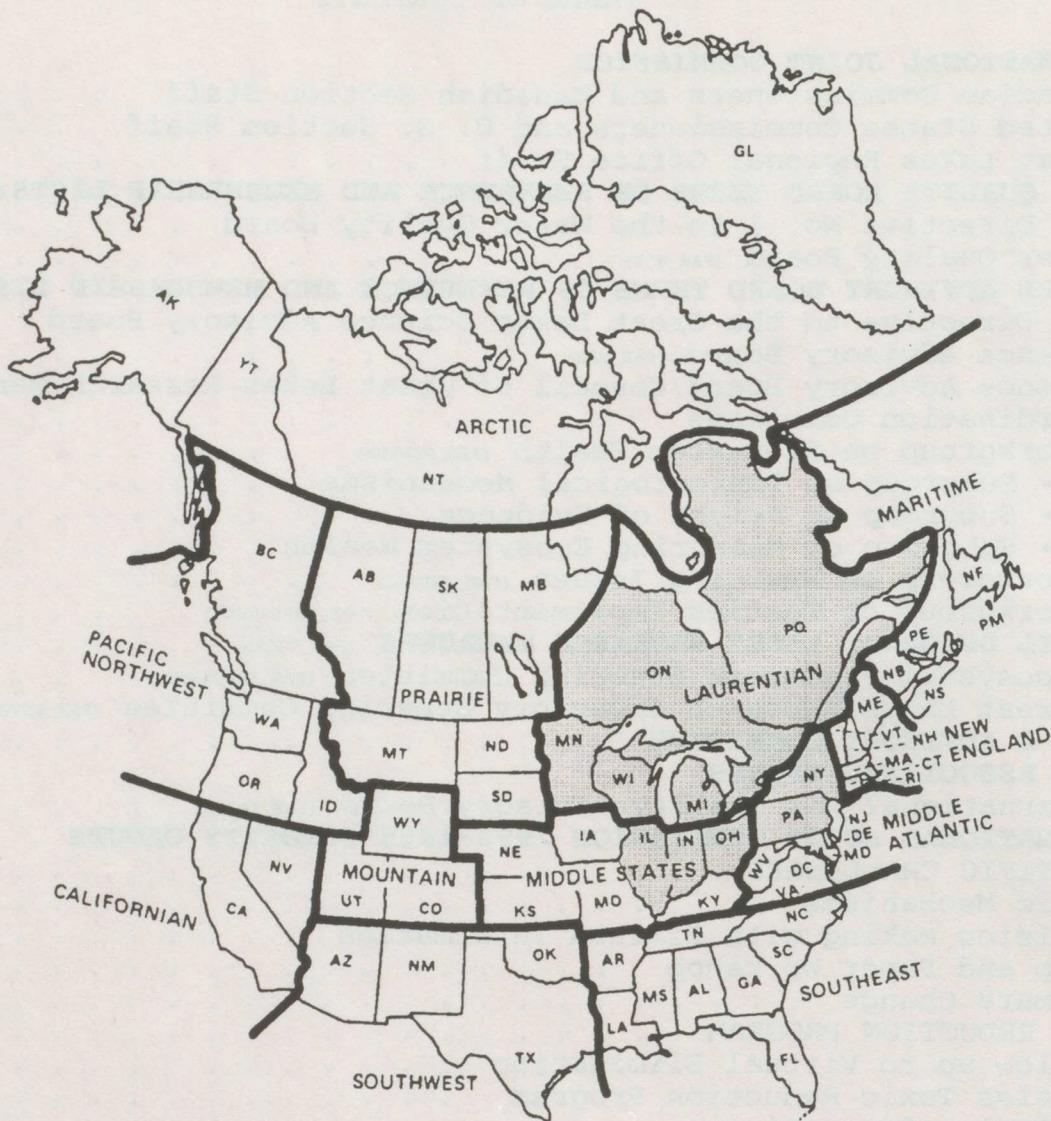
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AB	Alberta	MA	Massachusetts	OH	Ohio
AK	Alaska	MB	Manitoba	OK	Oklahoma
AL	Alabama	MD	Maryland	ON	Ontario
AR	Arkansas	ME	Maine	OR	Oregon
AZ	Arizona	<b>MI</b>	<b>Michigan</b>	<b>PA</b>	<b>Pennsylvania</b>
BC	British Columbia	<b>MN</b>	<b>Minnesota</b>	PE	Prince Edward Island
CA	California	MO	Missouri	PM	St. Pierre-Miquelon
CO	Colorado	MS	Mississippi	<b>PQ</b>	<b>Quebec</b>
CT	Connecticut	MT	Montana	RI	Rhode Island
DC	District of Columbia	NB	New Brunswick	SC	South Carolina
DE	Delaware	NC	North Carolina	SD	South Dakota
FL	Florida	ND	North Dakota	SK	Saskatchewan
GA	Georgia	NE	Nebraska	TN	Tennessee
GL	Greenland	NF	Newfoundland	TX	Texas
HI	Hawaii	NH	New Hampshire	UT	Utah
IA	Iowa	NJ	New Jersey	VA	Virginia
ID	Idaho	NM	New Mexico	VT	Vermont
<b>IL</b>	<b>Illinois</b>	NS	Nova Scotia	WA	Washington
<b>IN</b>	<b>Indiana</b>	NT	Northwest Territories	<b>WI</b>	<b>Wisconsin</b>
KS	Kansas	NY	<b>New York</b>	WV	West Virginia
KY	Kentucky			WY	Wyoming
LA	Louisiana			YT	Yukon Territory

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INTERNATIONAL JOINT COMMISSION  
IJC DIRECTIVE NO. 1 TO THE GREAT LAKES WATER QUALITY BOARD  
Pursuant to the 1978 Great Lakes Water Quality Agreement:

1. The Governments of Canada and the United States on November 22, 1978, entered into an Agreement on Great Lakes Water Quality, herein referred to as the Agreement, a copy of which is attached hereto as Appendix A. Said Agreement supersedes the Great Lakes Water Quality Agreement of April 15, 1972.
2. By the terms of the Agreement, the Governments of Canada and the United States have assigned special responsibilities and functions to the International Joint Commission.
3. To assist the Commission in the exercise of the functions, powers and responsibilities assigned to it under the Agreement, the Great Lakes Water Quality Board is designated the principal advisor to the Commission with regard to all such functions, powers and responsibilities (other than those functions and responsibilities related to research as set forth in the Terms of Reference for the Science Advisory Board). In addition, the Board shall carry out such other functions related to water quality within the Great Lakes System, as the Commission may request from time to time.
4. The Board will consist of an equal number of members from the United States and Canada. The Commission will appoint the members of the Board after consultation with the appropriate government or governments. Appointment for all Board members including the Chairmen will be for a term of three years, provided that the length of any such term may be amended by decision of the Commission. The Commission will appoint one member from the United States and one from Canada to be Co-Chairmen of the Board. The Commission will also appoint one Board member from the United States and one from Canada to serve as Vice-Chairmen of the Board. The term of appointment for the Board member in his capacity as Vice-Chairman shall be fixed by the Commission under separate cover. The Board shall include at least one member from each of the Parties and each of the State and Provincial Governments within the Great Lakes Basin. The Commission views full participation by all members of the Board as desirable for the Board to carry out its responsibilities under this directive.

Functions of the Board:

5. The Board shall keep currently informed regarding the matters assigned to the Commission under Article VII of the Agreement. The Board shall also keep informed regarding programs and other measures taken with respect to, or relevant to, implementation of the Agreement and shall assess the adequacy and effectiveness of such programs, in particular those specified under the Agreement under Article VI(1) and the Annexes referenced therein.
6. The Board shall be responsible for the collation, assessment and analysis of data and information relevant to Paragraph 5. The Board shall review, as appropriate, procedures for the submission of such data from the various jurisdictions and recommend changes to the Commission as appropriate.

7. The Board shall tender timely advice on all matters concerning the Agreement and further shall submit a full report to the Commission biennially, beginning in 1981, upon all aspects relating to the operations and effectiveness of the Agreement, and on the Board's activities. In alternate years, the Board shall submit a summary report updating all or part of the previous report to the extent that information is available.

8. Should the Board be unable to reach agreement regarding any matter within its area of responsibility, the Commission should be so advised and informed of the varying points of view within the Board.

9. Any communication with Governments or their agencies regarding Board matters will be initiated by the Commission unless the Commission specifically requests the Board to initiate such communication.

10. The Board shall also submit special reports on specific issues related to the Agreement at such times as the Commission may request or the Board may desire.

11. The Board shall prepare and update annually its plan for the activities it proposes to undertake in carrying out its responsibilities under this directive. The plan should include provision for public information and for public participation in Board activities to the extent appropriate. This plan shall be presented to the Commission for approval and be reviewed periodically with the Commission to assure that resources available to the Commission are utilized in the most effective manner possible. Procedures for this periodic review will be communicated to the Board once they are finalized by the Commission.

12. With respect to the programs and other measures upon which the Board shall report to the Commission, the Board shall:

- (a) make recommendations on the development and implementation of programs to achieve the purpose of the Agreement as set forth in Article II thereof;
- (b) assemble and evaluate information evolving from such programs;
- (c) identify deficiencies in the scope and funding of such programs and evaluate the adequacy and compatibility of results;
- (d) examine the appropriateness of such programs in the light of current and future socio-economic imperatives; and
- (e) advise the Commission on the progress and effectiveness of such programs and submit appropriate recommendation.

13. The Board shall recommend to the Commission as soon as practicable what information the Commission should seek from Governments in order that guidelines can be established for use in assessing the limited use zones that may be proposed for designation specified in the Agreement.

14. After consultation with the Commission regarding membership and Terms of Reference, the Board shall establish a Water Quality Board Subcommittee on Dredging. In this regard, the Board shall take into consideration the provisions of Annex 7.

15. The Board on behalf of the Commission shall establish and maintain liaison between the Board and the work groups, agencies and other institutions undertaking activities identified in the Annexes to the Agreement, provided that, in specific cases, the Commission may determine that liaison should be undertaken by the Commission itself.

16. Whenever it appears to the Board that any data or information supplied to it should be verified independently in accordance with Paragraph 5 of Article VII of the Agreement, it shall so inform the Commission and recommend appropriate methods or procedures for such verification.

17. To facilitate the identification of needed research, the Board shall establish and maintain effective liaison and cooperation with the Commission's Science Advisory Board in accordance with arrangements to be made by the Co-Chairmen of the two Boards. The Board may request the advice of the Science Advisory Board and should provide advice on request to the latter, on matters of mutual interest or responsibility.

#### Administration:

18. Administrative support, public information services and technical assistance to the Board will be provided by the Commission's Great Lakes Regional Office in Windsor, Ontario. In providing support for the Board, assigned personnel of the Regional Office will be under the direction of the Board. The Co-Chairmen of the Board shall consult with the Regional Office Director, and as necessary, with the Commission regarding the Board's staff support requirements and how they can best be met by personnel of the Regional Office. In the event of disagreement between the Board and the Regional Office which cannot be resolved satisfactorily by the Joint Chairmen and the Director of the Regional Office, the matter shall be referred promptly to the Commission for decision. Should such occasion arise, the originator shall inform the other in advance of such communication and its contents.

19. The Commission will appoint a member of the Regional Office staff to be the Secretary of the Board who will be responsible to the Board on Board matters. Such appointment will take into account recommendations by the Board and will follow consultations with the Director of the Regional Office. Communications between the Commission and the Secretary to the Board will be considered communications with the Board.

20. Whenever a member, for any reason, will not be available to act as a member of the Board, he may request the Commission to approve, on a case-by-case basis, the designation of an alternate to act in his stead for a specific meeting. No person may act as an alternate without such prior approval from the appropriate Chairman of the Commission. Moreover, it is a Commission policy that alternates be used sparingly.

21. The Chairmen shall be Joint Chairmen of the Board and shall be responsible for maintaining proper liaison between the Board and the Commission.

22. Each of the Co-Chairmen shall ensure that the members of the Board are informed of all instructions, inquiries and authorizations received from the Commission; also of activities undertaken by or on behalf of the Board, progress made and any developments affecting such progress.

23. To facilitate preparation of the Regional Office budget, the Board shall provide the Regional Office Director and the Commission by November 15 of each year, with proposed programs and resource requirements for the period covered by the budget then under consideration. Submission of the activity plan described in Paragraph 11 above should coincide with the submission of the proposed program and resource requirements.

24. All public hearings will be conducted by the Commission. The Board may at any time determine that a public hearing would be desirable and may so advise the Commission. In any case, the Board will be informed in advance of any Commission hearing which relates to matters of concern to the Board and will be provided subsequently with copies of the hearing record.

25. To the greatest extent possible consistent with the policies of the Commission and the Board, the Board shall publicize its activities and permit members of the public to attend meetings of the Board and its subgroups.

26. After approval by the Commission regarding membership and Terms of Reference, the Board may establish committees, subcommittees and other subgroups, including joint groups with the Science Advisory Board, as may be required to discharge its responsibilities effectively and may enlist the cooperation of federal, provincial or state officials or others in the United States and Canada, as appropriate. Commission approval will also be required for changes in the Terms of Reference or membership of such groups.

27. Governmental Board and committee members will make their own arrangements for reimbursement of necessary expenditures for travel for their agencies. The necessary expenses of non-governmental Board and committee members for travel to attend Commission, Board and committee meetings may be paid by the Commission. To the extent funding from other sources is not available, the Commission will consider requests by state or provincial agencies for reimbursements of the necessary expenditures for travel by their employees to attend Board, committee, subcommittee, work group and other Board approved meetings. Documentation that such funds are not available is required.

28. Documents, letters, memoranda and communications of every kind in the official records of the Commission are privileged and become available for public information only after release by the Commission. The Commission considers all documents, including Board reports to the Commission, in the official records of the Board or of any of its committees to be similarly privileged. Accordingly, all such documents shall be so identified and maintained in separate files. They shall become available for public information only after the Commission approval.

29. If in the opinion of the Board or of any members, there is a lack of clarity or precision in any instruction, directive or authorization received from the Commission, the matter shall be referred promptly to the Commission for appropriate action.

30. The Commission may amend existing instructions or issue new instructions to the Board at any time.

Issued this 14th day of March, 1980.

Signed by: D.A. LaRoche for Joint Secretaries

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David A. LaRoche

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David G. Chance

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IJC DIRECTIVE TO THE GREAT LAKES SCIENCE ADVISORY BOARD

1. The Great Lakes Science Advisory Board (SAB) was established pursuant to the provisions of the Great Lakes Water Quality Agreement of 1978 (Agreement). The primary role of the SAB is to assist the International Joint Commission (IJC) in the exercise of the powers and responsibilities assigned to the IJC under the Agreement.
2. The stated purpose of the Parties (The Governments of the United States and Canada) is to restore and maintain the chemical, physical and biological integrity of the waters of the Great Lakes Basin Ecosystem. In accordance with this general purpose, and the provisions of the Agreement and the Terms of Reference of the SAB appended to the Agreement, the SAB shall be the scientific advisor to the IJC and to the Water Quality Board (WQB).
3. The SAB, on behalf of the Commission, is responsible for developing recommendations on matters related to research and the development of scientific knowledge pertinent to the identification, evaluation and resolution of current and anticipated problems related to water quality in the Great Lakes Basin Ecosystem.

In carrying out this responsibility, the SAB shall:

- (a) keep informed on scientific and research matters encompassed within the scope of the 1978 Great Lakes Water Quality Agreement and as it deems appropriate shall seek analyses, assessments and recommendations from other scientific, professional, academic, governmental or inter-governmental groups relevant to Great Lakes Basin Ecosystem research and scientific knowledge.

Further, the SAB shall:

- i) assess the impact and adequacy of research efforts;
  - ii) assess the reliability and potential applicability of research results;
  - iii) identify research priorities and additional research requirements; and
  - iv) identify specific research programs for which international cooperation is desirable.
- (b) consult with jurisdictions regarding relevant research needs, solicit their involvement and promote coordination.
  - (c) report to the IJC and the WQB periodically as appropriate, or as required by the IJC, on all matters of a scientific or research nature relating to the operation and effectiveness of the 1978 Great Lakes Water Quality Agreement.

4. The SAB shall be composed of United States and Canadian managers of Great Lakes research programs and recognized experts on Great Lakes water quality problems and related fields within the context of the Great Lakes Basin Ecosystem. Members of the SAB, as well as the members of its committees, working groups and task forces shall serve in a personal and professional capacity and not as representatives of their employers or organizations.
5. The IJC shall appoint members of the SAB and shall appoint a member of each of the Canadian and United States sections of the SAB to serve as Co-chairmen. Appointment of all SAB members, including co-chairmen, will be for a term of three years although the length of any such term can be amended by decision of the IJC. In the absence of the regular Chairman, the members of the SAB shall select the other Co-chairman or one of their regular members to chair the meeting.
6. The duties of the Co-Chairmen are:
  - (a) to be joint Chairmen of the SAB and to assume an active role in maintaining liaison between the SAB and the IJC and between the SAB and the WQB;
  - (b) to ensure that all the members of the SAB are informed of all instructions, inquiries and authorizations received from the IJC concerning activities undertaken by or on behalf of the SAB, progress made in such activities and any development affecting such progress;
  - (c) to consult with the IJC on the appointment of a Director to head the Great Lakes Regional Office;
  - (d) to consult with the Director on the assignment of a member of the Regional Office staff to be the Secretary to the SAB;
  - (e) to determine, in consultation with the Director of the Regional Office, the activities which they wish the Regional Office to carry out on behalf of, or in support of, the SAB, and to provide budgetary estimates for resources to carry out such activities; and
  - (f) to report to the IJC in the event of any unresolved concerns related to administrative support or technical assistance provided by the Regional Office, including recommendations as to how such concerns can be effectively addressed. In such event, the joint Chairmen shall inform the Director of the Regional Office in advance of such communication and its content.
7. The travel and accommodation expenses of non-governmental members of the SAB, its committees and working groups, incurred in their participation in IJC activities may be paid by the IJC. All governmental board, committee, task force and working group members are expected to make their own arrangements for reimbursement of necessary expenditures for travel from their agencies.
8. The secretariat of the SAB will be maintained at the IJC's Great Lakes Regional Office and all pertinent records and supporting documents shall be maintained at that office.

9. The SAB shall maintain liaison with the WQB, in accordance with arrangements made by the Co-Chairmen of both Boards. In addition to providing advice on research to the IJC and the WQB, the SAB shall provide advice on specific scientific matters referred to it by the IJC. The SAB may seek the advice of the WQB on matters of mutual interest or responsibility.
10. If the SAB is unable to reach agreement regarding substantive matters which it reports to the Commission, the IJC shall be so informed of the significant varying points of view within the SAB.
11. The SAB shall carry out a program of activities in accordance with general plans to be approved by the IJC. In this regard, the SAB shall provide the Regional Office and the IJC by November 15 of each year with its proposed programs and estimated resource requirements for the period covered by the budget under consideration. If the SAB later concludes that these programs require significant modifications, the concurrence of the IJC is required. The SAB may at any time advise the IJC whenever the SAB feels that IJC assistance would be beneficial in carrying out the activities of the SAB.
12. The SAB may establish or modify such committees, task forces and working groups it deems necessary to discharge its responsibilities effectively, including joint working groups established with the WQB and other pertinent organizations. The SAB shall, to the extent possible, enlist the cooperation of federal, provincial or state departments or agencies in Canada and the United States. The IJC shall be kept informed of the duties and composition of any such committees, task forces or working groups.
13. The SAB shall submit written reports to the IJC annually, at least one month prior to the annual meeting of the IJC's Great Lakes Water Quality Institutions, and at such other times as the IJC may request or the SAB may desire. Until released by the IJC, any such reports and any SAB documents, letters, memoranda and communications of any kind in the official record of the IJC, are privileged and become available for public information only after release by the IJC.

14. After obtaining the approval of the IJC, the SAB may make public the SAB's proceedings and undertakings. To the greatest extent possible, consistent with the policies of the IJC and the SAB, the SAB shall allow members of the public to attend meetings of the SAB and its committees, task forces and working groups. The public relations of the SAB will be handled through the public information service of the IJC's Great Lakes Regional Office in accordance with directives issued by the IJC.
15. The SAB shall assist the IJC, on request, in the preparation of the reports to governments referred to in Paragraph 3 of Article VII of the 1978 Agreement. In addition, the IJC may amend existing instructions or issue new instructions to the Board at any time and it may call upon the SAB to assist it in any scientific matters related to the IJC's powers, responsibilities and functions as outlined in the Great Lakes Water Quality Agreement of 1978.

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TERMS OF REFERENCE OF THE  
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COUNCIL OF GREAT LAKES RESEARCH MANAGERS  
COORDINATION COMMITTEE

The following are the Terms of Reference of the Coordination Committee of the Science Advisory Board and Council of Great Lakes Research Managers:

**Mandate and Responsibilities**

- to plan, coordinate and communicate shared activities between the Science Advisory Board and the Council, including responsibilities under the Agreement for the Inventory and evaluation of research programs and examination of emerging issues related to the Great Lakes Basin Ecosystem
- to determine the agenda for joint meetings of the Board and the Council

**Membership**

- the membership shall include the cochairs of both the Science Advisory Board and the Council with alternate representation permitted, should the cochairs be unable to attend the meeting
- alternates will be nominated by the cochair who is unable to attend
- a Secretariat will serve from the SAB or Council on an alternating basis
- the chair will alternate between the Board and the Council

**Meetings**

- meetings will be conducted twice a year

First joint meeting held in conjunction with  
IJC Semi-Annual Meeting, April 22, 1992,  
Washington, D.C.

GREAT LAKES SCIENCE ADVISORY BOARD/  
COUNCIL OF GREAT LAKES RESEARCH MANAGERS  
COORDINATION COMMITTEE

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SCIENCE ADVISORY BOARD  
WORKGROUP ON ECOSYSTEM HEALTH  
TERMS OF REFERENCE

The following Terms of Reference have been developed in light of the Workgroup's commitment to three fundamental principles:

- ◆ People are part of, and not separate from, the rest of the ecosystem
- ◆ Health is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity (WHO)
- ◆ That the "weight-of-evidence" approach is a sufficient basis for policy development

#### Mandate and Responsibilities

1. Interpret and advise on public policy and perspectives underpinning that policy affecting and affected by the Great Lakes Basin Ecosystem health through an Ecosystem Approach
2. Investigate and devise systematic and comprehensive means of assessing the health of the Great Lakes Basin Ecosystem, including the essential community structure and life-sustaining processes
3. Identify and anticipate injury to biodiversity and the integrity of the Great Lakes Basin Ecosystem revealed through multiple perspectives on the environment
4. Advise the International Joint Commission, through the Science Advisory Board, on:
  - the current state-of-knowledge and data gaps on exposure through all media of humans and other biota to hazardous substances
  - evaluation of the relationships between exposure to hazardous substances or agents and ecosystem health status (e.g. risk assessment)
  - assessment of the value of the usefulness of different biological markers in an Ecosystem Approach
  - development of a comprehensive approach for monitoring ecosystem health
  - development of strategies for ecosystem disease/injury prevention and restoration

#### Membership

- ◆ Workgroup members as appointed by the SAB and may include Board members and non-Board members.

As approved 87th meeting of the Science Advisory Board, September 17, 1992, Ann Arbor, Michigan. Membership amended at 90th meeting of the Science Advisory Board, May 18-19, 1993, Windsor, Ontario.

WORKGROUP ON ECOSYSTEM HEALTH  
MEMBERSHIP LIST

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WORKGROUP ON ECOSYSTEM HEALTH  
SUBGROUP ON TOXICOLOGICAL MECHANISMS

The advances that have been made in understanding the mechanism of action of chemicals that are toxicologically significant in the Great Lakes will be identified. Advice will be provided on the benefits of these advances in the development of models, particularly to assess risks of damage to hormone receptors.

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WORKGROUP ON ECOSYSTEM HEALTH  
SUBGROUP ON WEIGHT OF EVIDENCE

The International Joint Commission, in its Sixth Biennial Report, adopted a "weight-of-evidence" approach to conclude that there is sufficient evidence of injury or the likelihood of injury to human health that the input of persistent toxic substances to the Great Lakes must be stopped. It further recommended to the Parties that they apply a weight-of-evidence approach to the identification of persistent toxic substances.

One or more case studies, where weight-of-evidence has been used successfully to resolve an issue, will be prepared. Such case studies would highlight how weight-of-evidence was used and the inherent advantages and disadvantages that were perceived by the public, decision-makers and others. These case studies would then be used to focus on-going work within the Workgroup on Ecosystem Health.

The Workgroup on Ecosystem Health will involve a multi-disciplinary group, in a workshop setting to formulate a working framework for weight-of-evidence. Workshop participants would have available for their use the case studies referred to above, and would build on the previous health workshop held in Ann Arbor, Michigan in September 1992. That workshop, while valuable in launching an initial dialogue on weight-of-evidence, was not intended to address the concept in detail. With the case studies, other background papers, and advanced planning, a more focused workshop can be undertaken. The approach would also include considerations for regulatory decision-making, including mechanisms for developing and implementing management policy where scientific, legal and other information is lacking or conflicting.

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WORKGROUP ON ECOSYSTEM HEALTH  
SUBGROUP ON MEASURING ECOSYSTEM HEALTH

A discussion paper on methods for the diagnosis, prognosis, treatment and rehabilitation of ecosystems under stress will be prepared. Taking a parallel from human medicine, the paper will consider the signs and symptoms for measuring the condition of the ecosystem. The paper will draw from the principles of the social, health and natural sciences to advance interdisciplinary thinking about ecosystem health and will address the need for a strategy to implement the ecosystem approach.

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WORKGROUP ON EMERGING ISSUES

Definition of Emerging Issues

- Changes in environmental and social dynamics that may, over the near or long term, impinge upon the Great Lakes Basin Ecosystem and influence the responsibilities of the IJC under the Great Lakes Water Quality Agreement.

Mandate and Responsibilities

- To identify, evaluate and provide scientifically-based recommendations on emerging issues for IJC consideration
- To conduct an assessment process in an open and consultative manner

Membership

- Workgroup members are appointed by the SAB and may include Board members and non-Board members

As approved 87th meeting of the Science Advisory Board, September 17, 1992, Ann Arbor, Michigan

Membership amended at 90th meeting of the Science Advisory Board, May 18-19, 1993, Windsor, Ontario

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The workgroup will review and analyze the 1972 Great Lakes Water Quality Agreement, revised in 1978 and amended by the Protocol in 1987, relevant data and scientific reports in order to evaluate and report on the extent and pace of implementation. The workgroup will identify obstacles to implementation in order to recommend steps to improve the rate of progress.

#### Membership

- ◆ Workgroup members are appointed by the SAB and may include Board members and non-Board members

As approved 87th meeting of the Science Advisory Board, September 17, 1992, Ann Arbor, Michigan. Membership amended at 90th meeting of the Science Advisory Board, May 18-19, 1993, Windsor, Ontario.

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SECTION 1

The Council of Great Lakes Research Managers (referred to herein as "Council") functions under the authority of the International Joint Commission (referred to herein as "Commission" and established under the Boundary Waters Treaty of 1909) to assist the Commission in discharging its responsibilities under the Great Lakes Water Quality Agreement of 1978 (referred to herein as "GLWQA").

SECTION 2

The general objective of the Council is to enhance the ability of the Commission to provide effective leadership, guidance, support and evaluation of Great Lakes research programs with particular reference to programs required or funded pursuant to the provisions of GLWQA.

SECTION 3

In pursuing the general objective in Section 2, the Council may:

- (a) promote interjurisdictional and interdisciplinary planning and coordination of research related to the implementation of GLWQA;
- (b) encourage preparation and dissemination of syntheses of research findings to government and non-government bodies concerned with the Great Lakes management and bring policy implications of the aforementioned findings to the attention of the recipients;
- (c) compile and summarize current and planned research programs related to the implementation of the GLWQA;
- (d) identify research needs and establish priorities; and
- (e) keep under review the impact of research recommendations made by itself, the Great Lakes Science Advisory Board (referred to herein as the "SAB"), the Great Lakes Water Quality Board (referred to herein as the "WQB") and the Commission.

SECTION 4

The members of the Council:

- (a) will be composed of persons responsible for research programs related to the implementation of the GLWQA and, in addition, two members of the SAB to be designated by that body;
- (b) may be nominated by the Council and others for consideration by the Council Co-chairs, who will then submit nominations to the Commission for consideration and appointment by the Commission;
- (c) will serve at the pleasure of the Commission, but will usually be appointed to three-year terms, staggered so as to provide continuity;
- (d) shall, as will members of the Council working groups, serve in a personal and professional capacity and not as representatives of their employers or organizations; and
- (e) may be selected to chair working groups of the Council

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Among other things, the Committee would consider the following:

- developing guidance for timely and effective reviews of RAPs and LaMPs, building on the idea that "review" is considered to be a dynamic concept that will need to include some form of ongoing consultation well in advance of a formal review.
- strategies for maintaining contact with RAP teams and their public advisory bodies, perhaps employing techniques such as periodic visits by Commissioners.
- strategies for encouraging networking among RAP and LaMP practitioners (e.g. workshops, forums, roundtables, newsletters, an electronic bulletin board, and reviewing the work of other groups.)
- strategies for more effectively communicating the Commission's message on RAPs, LaMPs and related matters perhaps through high level meetings and reconsidering the nature and form of Commission comments.
- strategies for troubleshooting when progress appears to be stalled.

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# SCIENTIFIC CHALLENGES

- **TOXIC MECHANISMS**

(Coordinator-John Clark)  
(Lead Group) SAB Workgroup on Ecosystem Health (See Page 23)  
(Support) WQB Health Canada, U.S. EPA  
CGLRM B. Johnson, P. Toft

- **DECISION MAKING WITH LIMITED INFORMATION**

(Coordinator-John Clark)  
(Lead Group) SAB Workgroup on Ecosystem Health  
Subgroup on Weight of Evidence (See Page 24)  
(Support) WQB N.G. Kaul, J. McLean  
IAQAB H. Garabedian

- **PULP AND PAPER WORKSHOP**

(Coordinator-John McDonald)  
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- **CLIMATE CHANGE**

(Coordinator-Peter Boyer)  
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(Support) IAQAB (See Page 36)

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# TOXIC REDUCTION PROGRAM

## FOLLOW UP TO VIRTUAL ELIMINATION

Workgroup on Parties Implementation  
Subgroup to Followup on Virtual Elimination Task Force

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• PARTIES TOXIC REDUCTION PROGRAM

Workgroup on Parties Implementation  
Subgroup on Parties Toxics Reduction Programs

Terms of Reference

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# IMPACT OF CHANGES ON LAKE ERIE

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# IMPACT OF CHANGES ON LAKE ERIE

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In all cases, the results of this work will be communicated to the parties so that the parties are aware of the Commission's expectations well in advance. The Commission will be prepared to work directly with the parties to ensure that the expectations are realized.

# MEASURING ECOSYSTEM HEALTH

- MEASURING ECOSYSTEM HEALTH

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To assist the International Joint Commission determine the information it requires from the Parties to carry out its responsibilities under the Revised 1978 Great Lakes Water Quality Agreement, the Indicators for Evaluation Task Force shall undertake the following tasks:

1. Develop by the time of the 1993 Biennial meeting a concise information list (including success indicators or progress indicators) for the Commission to use to evaluate progress in achieving the goals and objectives of the Agreement.

In particular, the focus would be on the State of the Lakes reporting which would be of value to the IJC in fulfilling its evaluation function.

2. Develop by early 1994 the detailed data and information requirements of the Commission in carrying out the priority tasks selected for the 1993-1995 biennial cycle.
3. During the 1993-95 biennial cycle, and building upon the work done pursuant to paragraph 1. above, develop new, integrative indicators of ecosystem integrity which could be used by the Commission and others to evaluate progress under the Agreement.

In carrying out the above tasks, the Task Force is requested to review the specific reporting requirements of the Agreement and examine the continued utility of currently available data and information.

The Task Force will include one representative from each board/council, one individual from each of the three Commission offices, and the Regional Office Director who will chair the Task Force.

In all cases, the results of this work will be communicated to the Parties so that the Parties are aware of the Commission's expectations well in advance. The Commission will be prepared to work directly with the Parties to ensure that the expectations are realized.

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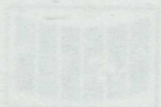
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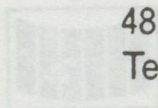
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