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Reports Issued Under the

Great Lakes Water Quality Agreements of 1972 and 1978, and the Protocol amending the 1978 Agreement

A Bibliography

April 1989



International Joint Commission Commission mixte internationale

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This bibliography lists reports produced as a result of the Great Lakes Water Quality Agreements of 1972, 1978 and the Protocol amending the 1978 Agreement. It is intended to assist researchers, librarians and others interested in Great Lakes water quality.

Article VII, Section 3 charges the Commission to "make a full report ... no less frequently than biennially concerning progress toward the achievement of the General and Specific Objectives including, as appropriate, matters related to Annexes to [the] Agreement. [The] report shall include an assessment of the effectiveness of the programs and other measures undertaken pursuant to [the] Agreement, and advice and recommendations." In alternate years, the Commission may at any time make special reports to the Parties, to the State and Provincial Governments and to the public concerning any problem of water quality in the Great Lakes system.

The Commission may at its discretion publish any report, statement or other document prepared by it in the discharge of its functions.

Further reports are prepared by the boards and groups as necessary; these are published as are the proceedings of workshops and symposia. The Great Lakes Regional Office coordinates the publication of all reports.

The Boundary Waters Treaty of 1909 between the United States and Canada established the International Joint Commission, a binational body with three members appointed by each country, which acts as a single unit, reaching decisions by simple majority. Though the Treaty was entered into primarily to prevent disputes regarding the use of boundary waters and to provide for the adjustment and settlement of questions arising between the two countries along their common frontier, it has provided the framework for cooperation on questions relating to air and water pollution and the regulation of water levels and flows.

The Commission issues Orders of Approval in response to <u>Applications</u> for the use, obstruction or diversion of waters that flow along, and in certain cases across, the boundary if such uses would affect the natural water levels or flows on the other side.

The Commission also undertakes investigations of specific issues, or monitors situations, when requested by Governments. Implementation of IJC recommendations made under such References is at the discretion of the two Governments. The Commissioners act as a single body seeking common solutions rather than as separate national delegates representing the positions of their Governments.

Experts from both countries serve on technical boards for the Commission and carry out the required studies and field work. Boards of Control are appointed by the IJC to report on compliance with Orders of Approval, while study or advisory boards assist in References. Public hearings and other opportunities for input by interested citizens are organized when Applications and References are considered.

The IJC recommendations were generally accepted by the Governments, and a principal outcome was the Great Lakes Water Quality Agreement which was signed by the Prime Minister of Canada and the President of the United States on April 15th, 1972.

Six years later, on November 22, 1978, a revision to the 1972 Agreement was signed. It provided new programs and more stringent goals. The concept of a Great Lakes Basin Ecosystem was adopted, recognizing that water quality depends on the interplay of air, land, water and living organisms, including man, within the system. This action led to more comprehensive assessments of the Great Lakes clean up effort.

In 1987, at the Commission's Biennial Meeting, the Governments signed a Protocol to the 1978 Agreement, which essentially aims to strengthen the programs, practices and technology described in the 1978 Agreement and to increase accountability for their implementation. Timetables are set for implementation of specific programs. The Parties will meet biennially to discuss progress and report periodically to the

IJC. New annexes address atmospheric deposition of toxic pollutants, contaminated sediments, groundwater and nonpoint sources of pollution. Annexes are also added to incorporate the development and implementation of remedial action plans for Areas of Concern and lakewide management plans to control critical pollutants.

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# INTERNATIONAL JOINT COMMISSION REPORTS TO THE GOVERNMENTS OF THE UNITED STATES AND CANADA

International Joint Commission. Report on Great Lakes Water Quality for 1972. Washington and Ottawa, July 1973, 30 pp.

International Joint Commission. <u>Second Annual Report on Great Lakes Water Quality</u>. Washington and Ottawa, 1974, 18 pp.

International Joint Commission. <u>Third Annual Report 1974: Great Lakes Water Quality</u>. Washington and Ottawa, December 1975, 24 pp.

International Joint Commission. <u>Fourth Annual Report: Great Lakes Water Quality</u>. Washington and Ottawa, December 1976, 4 pp.

International Joint Commission. <u>Fifth Annual Report: Great Lakes Water Quality</u>. Washington and Ottawa, 1977, 10 pp.

International Joint Commission. <u>Sixth Annual Report: Great Lakes Water Quality</u>. Washington and Ottawa, 1979, 28 pp.

International Joint Commission. <u>Seventh Annual Report: Great Lakes Water Quality</u>. Washington and Ottawa, 1980, 101 pp.

#### SPECIAL REPORTS

International Joint Commission. <u>A Special Report on Various Provisions of the Great Lakes Water Quality Agreement</u>. Washington and Ottawa, February 1977, 7 pp.

International Joint Commission. <u>New and Revised Water Quality Objectives</u>. Vol 1. Washington and Ottawa, May 1977, 55 pp.

International Joint Commission. <u>New and Revised Water Quality Objectives</u>. Vol 2. Washington and Ottawa, 1977, 155 pp.

International Joint Commission. Water Quality of the Upper Great Lakes. Washington and Ottawa, June 1979, 100 pp.

International Joint Commission. <u>Pollution in the Great Lakes Basin from Land Use Activities</u>, An IJC Report to the Governments of the United States and <u>Canada</u>. Windsor, Ontario, March 1980, 141 pp.

Fifth Year Review of Canada-United States Great Lakes Water Quality Agreement, Report of Task Group III, A Technical Group to Review Phosphorus Loadings. Windsor, Ontario, February 1978, 84 pp.

International Joint Commission. <u>Great Lakes Agreement Information Kit.</u> Windsor, Ontario, 1980. (Agreement bibliography, fact sheets and selected materials produced by other organizations.)

International Joint Commission. 70 Years of Accomplishment: Report for Years 1978-1979. Washington and Ottawa, [1980], 64 pp.

Commission mixte internationale. Accord sur la qualité de l'eau dans les Grands lacs 1978. Windsor, Ontario, 1981, 22 pp.

International Joint Commission. <u>Interim Report Under the Great Lakes Water Quality Agreement</u>. Ottawa and Washington, 1981, 11 pp.

International Joint Commission. Special Report Under the 1978 Great Lakes Water Quality Agreement on Pollution in the Niagara River. Ottawa and Washington, January 1981, 10 pp.

International Joint Commission. <u>Supplemental Report Under the Reference on Pollution in the Great Lakes System from Land Use Activities</u>. Ottawa and Washington, January 1981, 24 pp.

International Lake Erie Regulation Study Board. <u>Lake Erie Water Level Study.</u> <u>Main Report.</u> Report to the International Joint Commission Under the Reference of February 21, 1977. [International Joint Commission, Washington and Ottawa], 1981, 231 pp.

International Lake Erie Regulation Study Board. <u>Lake Erie Water Level Study.</u> <u>Appendix A: Regulation, Vol. I, Lake Regulation.</u> Report to the International Joint Commission Under the Reference of February 21, 1977. [International Joint Commission, Washington and Ottawa], 1981, 91 pp.

International Lake Erie Regulation Study Board. <u>Lake Erie Water Level Study.</u> <u>Appendix A: Regulation, Vol. 2, Coordinated Basic Data and Computer Programs.</u> Report to the International Joint Commission Under the Reference of February 21, 1977. [International Joint Commission, Washington and Ottawa], 1981, 375 pp.

International Lake Erie Regulation Study Board. <u>Lake Erie Water Level Study.</u> <u>Appendix B: Regulatory Works.</u> Report to the International Joint Commission Under the Reference of February 21, 1977. [International Joint Commission, Washington and Ottawa], 1981, 133 pp.

International Lake Erie Regulation Study Board. <u>Lake Erie Water Level Study.</u> <u>Appendix C: Coastal Zone</u>. Report to the International Joint Commission Under the Reference of 21 February 1977. [International Joint Commission, Washington and Ottawa], 1981, 200 pp.

International Lake Erie Regulation Study Board. <u>Lake Erie Water Level Study.</u>

<u>Appendix D: Commercial Navigation.</u> Report to the International Joint Commission Under the Reference of 21 February 1977. [International Joint Commission, Washington and Ottawa], 1981, 141 pp.

International Lake Erie Regulation Study Board. <u>Lake Erie Water Level Study.</u> <u>Appendix E: Power.</u> Report to the International Joint Commission Under the Reference of 21 February 1977. [International Joint Commission, Washington and Ottawa], 1981, 116 pp.

International Lake Erie Regulation Study Board. <u>Lake Erie Water Level Study.</u> <u>Appendix F: Environmental Effects.</u> Report to the International Joint Commission Under the Reference of 21 February 1977. [International Joint Commission, Washington and Ottawa], 1981, 250 pp.

International Lake Erie Regulation Study Board. <u>Lake Erie Water Level Study.</u> Appendix G: Recreational Beaches and Boating. Report to the International Joint Commission Under the Reference of 21 February 1977. [International Joint Commission, Washington and Ottawa], 1981, 252 pp.

International Lake Erie Regulation Study Board. <u>Lake Erie Water Level Study.</u>
<u>Appendix H: Public Information Program.</u> Report to the International Joint Commission Under the Reference of 21 February 1977. [International Joint Commission, Washington and Ottawa], 1981, 375 pp.

International Joint Commission. <u>First Biennial Report Under the Great Lakes Water Quality Agreement of 1978</u>. Washington and Ottawa, 1982, 31 pp.

International Joint Commission. <u>Addendum to the First Biennial Report Under the Great Lakes Water Quality Agreement of 1978</u>. Washington and Ottawa, August 1982, 36 pp.

International Joint Commission. <u>1980 Annual Report.</u> [Activities Report] Washington and Ottawa, 1982, 43 pp.

International Joint Commission. Report to December 1982. [Washington and Ottawa], 1983, 35 pp.

Commission mixte internationale. Rapport au 31 décembre 1982. [Washington and Ottawa], 1983, 37 pp.

International Joint Commission. Third Biennial Report Under the Great Lakes Water Quality Agreement of 1978 to the Governments of the United States and Canada and the States and Provinces of the Great Lakes Basin. [Washington and Ottawa], December 1986, 45 pp.

International Joint Commission. <u>Toward a Transboundary Monitoring Network:</u> <u>A Continuing Binational Exploration</u>. Proceedings of a Workshop Convened by the International Joint Commission, Canada and U.S.A. and Relata Assembled During the Editing Process. 2 vols. Peter T. Haug, Bruce L. Bandurski and Andrew L. Hamilton, eds. [Washington and Ottawa], June 1986, 769 pp.

Great Lakes Water Levels Task Force. <u>Summary</u>. [Presented] to the International Joint Commission. [Washington and Ottawa], October 1987, 26 pp.

Groupe d'étude des niveaux des Grands lacs. Sommaire. Présenté à la Commission mixte internationale. [Washington et Ottawa], octobre 1987, 26 pp.

Background Paper to the Plan of Study Concerning the Reference on Fluctuating Water Levels in the Great Lakes - St. Lawrence River Basin. A Proposal from the Project Executive to the Project Steering Committee. [Washington and Ottawa], November 1987, 13 pp.

Great Lakes Water Levels Task Force. Report on Potential Measures to Alleviate Problems Created by Current High Lake Levels. Task 1: Lake Superior Storage. [Presented] to the International Joint Commission. [Washington and Ottawa], October 1987, 68 pp. and addenda.

Great Lakes Water Levels Task Force. Report on Potential Measures to Alleviate Problems Created by Current High Levels of the Great Lakes. Task 2: Lake Ontario/St. Lawrence River. [Presented] to the International Joint Commission. [Washington and Ottawa], October 1987, 26 pp.

Great Lakes Water Levels Task Force. Report on Potential Measures to Alleviate Problems Created by Current High Lake Levels. Task 3: Diversions Management. [Presented] to the International Joint Commission. [Washington and Ottawa], September 1987, 22 pp. and appendices.

Great Lakes Water Levels Task Force. Report on Potential Measures to Alleviate Problems Created by Current High Lake Levels. Task 4: Niagara River. [Presented] to the International Joint Commission. [Washington and Ottawa], October 1987, 29 pp.

Great Lakes Water Levels Task Force. Report on Potential Measures to Alleviate Problems Created by Current High Lake Levels. Task 5: St. Clair/Detroit Rivers. [Presented] to the International Joint Commission. [Washington and Ottawa], October 1987, 27 pp.

Great Lakes Water Levels Task Force. Report on Potential Measures to Alleviate Problems Created by Current High Lake Levels. Task 6: Ice Management. [Presented] to the International Joint Commission. [Washington and Ottawa], October 1987, 54 pp.

Great Lakes Water Levels Task Force. Report on Task #7: Great Lakes Basin-St. Lawrence River Coastal Zone Inventory of Emergency Measures and Shoreline Management Activities. [Presented] to the International Joint Commission. [Washington and Ottawa], October 1987, 12 pp. and appendices.

Great Lakes Water Levels Task Force. Report on Potential Measures to Alleviate Problems Created by Current High Lake Levels. Task 8: Systemic Effects. [Presented] to the International Joint Commission. [Washington and Ottawa], October 1987, 27 pp.

International Joint Commission. <u>Interim Report on 1985-86 High Water Levels in the Great Lakes-St. Lawrence River Basin</u>. Ottawa and Washington, October 1988, 31 pp.

International Joint Commission. Fourth Biennial Report Under the Great Lakes Water Quality Agreement of 1978 to the Governments of the United States and Canada and the States and Provinces of the Great Lakes Basin. [Washington and Ottawa], 1989, 66 pp.

Flathead River International Study Board. <u>Impacts of a Proposed Coal Mine in the Flathead River Basin</u>. [Presented] to the International Joint Commission. [Washington and Ottawa], December 1988, 26 pp.

## ANNUAL REPORTS AND MISCELLANY

International Joint Commission. <u>Further Regulation of the Great Lakes</u>. Washington and Ottawa, 1976, 96 pp.

International Joint Commission. <u>Annual Report 1974</u>. Washington and Ottawa, 1975, 31 pp.

International Joint Commission. <u>Annual Report 1975</u>. Washington and Ottawa, 1976, 51 pp.

International Joint Commission. <u>Annual Report 1976</u> Washington and Ottawa, 1977, 61 pp.

International Joint Commission. <u>Annual Report 1977.</u> Washington and Ottawa, 1979, 49 pp.

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The Agreement specified the establishment of a Great Lakes Water Quality Board to assist the IJC. The Board is the principal advisor to the Commission in matters of Great Lakes water quality and consists of an equal number of members from the United States and Canada, including representatives from the Parties and each of the State and Provincial Governments.

#### ANNUAL REPORTS

Great Lakes Water Quality Board. <u>First Progress Report to the International Joint Commission</u>. September 1972, 9 pp.

Great Lakes Water Quality Board. <u>Second Semi-annual Report to the International Joint Commission</u>. April 1973, 6 pp.

Great Lakes Water Quality Board. Third Progress Report to the International Joint Commission. Windsor, Ontario, October 1973, 11 pp.

Great Lakes Water Quality Board. <u>Fourth Progress Report to the International Joint Commission</u>. Windsor, Ontario, October 1974, 9 pp.

Great Lakes Water Quality Board. <u>Great Lakes Water Quality</u>, <u>Annual Report to the International Joint Commission</u>. Windsor, Ontario, April 1973, 315 pp.

Great Lakes Water Quality Board. Great Lakes Water Quality, Second Annual Report to the International Joint Commission. Windsor, Ontario, April 1974, 115 pp.

Great Lakes Water Quality Board. Great Lakes Water Quality 1974, Third Annual Report to the International Joint Commission. Windsor, Ontario, July 1975, 170 pp.

Appendix A: Annual Report of the Water Quality Objectives Subcommittee to the Implementation Committee, Great Lakes Water Quality Board. Windsor, Ontario, June 1975, 239 pp.

Appendix B: Annual Report of the Surveillance Subcommittee to the Implementation Committee, Great Lakes Water Quality Board. Windsor, Ontario, June 1975, 212 pp.

Appendix C: Annual Report of the Remedial Programs Subcommittee to the Implementation Committee, Great Lakes Water Quality Board. Windsor, Ontario, June 1975, 194 pp.

Great Lakes Water Quality Board. Great Lakes Water Quality 1975, Fourth Annual Report to the International Joint Commission. Windsor, Ontario, July 1976, 162 pp.

Appendix A: Annual Report of the Water Quality Objectives Subcommittee to the Implementation Committee, Great Lakes Water Quality Board. Windsor, Ontario, June 1976.

Appendix B: <u>Annual Report of the Surveillance Subcommittee to the Implementation Committee, Great Lakes Water Quality Board</u>. Windsor, Ontario, June 1976.

Appendix C: Annual Report of the Remedial Programs Subcommittee to the Implementation Committee, Great Lakes Water Quality Board. Windsor, Ontario, June 1976.

Appendix D: <u>Annual Report of the Radioactivity Subcommittee to the Implementation Committee, Great Lakes Water Quality Board</u>. Windsor, Ontario, June 1976, 48 pp.

Great Lakes Water Quality Board. <u>Great Lakes Water Quality 1976</u>, Fifth Annual Report to the International Joint Commission. Windsor, Ontario, July 1977, 72 pp.

Appendix A: Annual Report of the Water Quality Objectives Subcommittee and the Task Force on the Scientific Basis for Water Quality Criteria to the Implementation Committee of the Great Lakes Water Quality Board and to the Great Lakes Research Advisory Board. Windsor, Ontario, June 1977, 83 pp.

Appendix B: Annual Report of the Surveillance Subcommittee to the Implementation Committee, Great Lakes Water Quality Board. Windsor, Ontario, June 1977, 134 pp.

Appendix C: Annual Report of the Remedial Programs Subcommittee to the Implementation Committee, Great Lakes Water Quality Board. Windsor, Ontario, June 1977.

Appendix D: <u>Annual Report of the Radioactivity Subcommittee to the Implementation Committee, Great Lakes Water Quality Board</u>. Windsor, Ontario, July 1977, 44 pp.

Appendix E: Status Report on the Persistent Toxic Pollutants in the Lake Ontario Basin. Presented to the Great Lakes Water Quality Board by the Implementation Committee. Windsor, Ontario, December 1976. (Updated January 1977), 95 pp.

Great Lakes Water Quality Board. <u>Great Lakes Water Quality</u>, <u>Sixth Annual Report to the International Joint Commission</u>. Windsor, Ontario, July 1978, 89 pp.

Appendix B: Annual Report of the Surveillance Subcommittee to the Implementation Committee, Great Lakes Water Quality Board. Windsor, Ontario, July 1978, 110 pp.

Appendix C: Annual Report of the Remedial Programs Subcommittee to the Implementation Committee, Great Lakes Water Quality Board. Windsor, Ontario, July 1978.

Appendix D: <u>Annual Report of the Radioactivity Subcommittee to the Implementation Committee, Great Lakes Water Quality Board</u>. Windsor, Ontario, July 1978, 69 pp.

Appendix E: Status Report on Organic and Heavy Metal Contaminants in the Lakes Erie, Michigan, Huron and Superior Basins to the Implementation Committee of the Great Lakes Water Quality Board. D. Konasewich, W. Traversy and H. Zar, eds. Windsor, Ontario, July 1978, 373 pp.

Appendix F: Report on Hazardous Waste Disposal. Windsor, Ontario, July 1978, 34 pp.

Great Lakes Water Quality Board. <u>Great Lakes Water Quality, Seventh Annual Report to the International Joint Commission</u>. Windsor, Ontario, July 1979, 110 pp.

Appendix B: Annual Report of the Surveillance Subcommittee to the Implementation Committee, Great Lakes Water Quality Board. Windsor, Ontario, July 1979, 117 pp.

Appendix C: <u>Inventory of Major Municipal and Industrial Point Source Dischargers in the Great Lakes Basin</u>. Report of the Remedial Programs Subcommittee, Great Lakes Water Quality Board. Windsor, Ontario, July 1979.

Appendix D: <u>Annual Report of the Radioactivity Subcommittee to the Implementation Committee, Great Lakes Water Quality Board</u>. Windsor, Ontario, July 1979, 98 pp.

Appendix G: Annual Report of the Committee on the Assessment of Human Health Effects of Great Lakes Water Quality to the Great Lakes Water Quality Board and Great Lakes Science Advisory Board. Windsor, Ontario, July 1979, 34 pp.

Great Lakes Water Quality Board. 1980 Report on Great Lakes Water Quality to the International Joint Commission. Windsor, Ontario, November 1980, 68 pp.

Great Lakes Water Quality Board. <u>1980 Report on Great Lakes Water Quality:</u> <u>Appendix.</u> Windsor, Ontario, November 1980, 82 pp.

Great Lakes Water Quality Board. 1981 Report on Great Lakes Water Quality to the International Joint Commission. Windsor, Ontario, November 1981, 74 pp.

Great Lakes Water Quality Board. 1981 Report on Great Lakes Water Quality: Appendices. Windsor, Ontario, November 1981.

Great Lakes Water Quality Board. 1981 Report on Great Lakes Water Quality to the International Joint Commission: Appendix - Great Lakes Surveillance. Windsor, Ontario, November 1981, 174 pp.

Great Lakes Water Quality Board. 1982 Report on Great Lakes Water Quality to the International Joint Commission. Windsor, Ontario, November 1982, 153 pp.

Great Lakes Water Quality Board. Appendix E: Great Lakes Water Quality Status Report on the Persistent Toxic Pollutants in the Lake Ontario Basin. Presented to the Great Lakes Water Quality Board by the Implementation Committee. Appendix E: Status Report on Organic and Heavy Metal Contaminants in the Lakes Erie, Michigan, Huron and Superior Basins. Reprinted in one volume, 1982, 468 pp. (Lake Ontario volume originally printed 1976; Lakes Erie, Michigan, Huron and Superior originally printed 1978.)

Great Lakes Water Quality Board. <u>1983 Report on Great Lakes Water Quality</u>. Windsor, Ontario, November 1983, 97 pp.

Great Lakes Water Quality Board. 1983 Report on Great Lakes Water Quality: Appendix - Great Lakes Surveillance. [Windsor, Ontario], [1983], 130 pp.

Great Lakes Water Quality Board. <u>1983 Report on Great Lakes Water Quality:</u> Appendix on Radioactivity. Windsor, Ontario, 1983, 116 pp.

Great Lakes Water Quality Board. 1983 Report on Great Lakes Water Quality: Appendix - Dredging Subcommittee Report. Windsor, Ontario, 1983, 35 pp.

Dredging Subcommittee. <u>Evaluation of Dredged Material Disposal Options for Two Great Lakes Harbours Using the Water Quality Board Dredging Subcommittee Guidelines</u>. Report to the Great Lakes Water Quality Board. [Windsor, Ontario], April 1983, 67 pp.

Surveillance Work Group. Research Vessel Inventory. Report to the Great Lakes Water Quality Board. Robert J. Bond, ed., Windsor, Ontario, July 1983, 103 pp.

Nonpoint Source Control Task Force of the Great Lakes Water Quality Board. Nonpoint Source Pollution Abatement in the Great Lakes Basin: An Overview of Post-PLUARG Developments. Submitted to the Great Lakes Water Quality Board. Windsor, Ontario, August 1983, 129 pp.

Municipal Abatement Task Force of the Water Quality Programs Committee. A Review of the Municipal Pollution Abatement Programs in the Great Lakes Basin. Report to the Great Lakes Water Quality Board. Windsor, Ontario, November 1983, 184 pp.

Municipal Abatement Task Force of the Water Quality Programs Committee. Inventory of Municipal Wastewater Treatment Facilities in the Great Lakes Basin: Appendix A of A Review of the Municipal Pollution Abatement Programs in the Great Lakes Basin. Report to the Great Lakes Water Quality Board. Windsor, Ontario, November 1983.

Appendix A: Areas of Concern in the Great Lakes Basin 1983, Update of Class 'A' Areas. Report to the International Joint Commission. Windsor, Ontario, March 1984, 113 pp.

Great Lakes Water Quality Board. 1985 Report on Great Lakes Water Quality. [Windsor, Ontario], June 1985, 212 pp.

Conseil de la qualité de l'eau des Grand Lacs. Rapport de 1985 sur la qualité de l'eau des Grands Lacs. [Windsor, Ontario], juin 1985, 212 pp.

A Review of Trends in Lake Erie Water Quality with Emphasis on the 1978-1979 Intensive Survey. Report to the Surveillance Work Group. David L. Rathke and Clayton J. Edwards, eds. Windsor, Ontario, June 1985, 129 pp.

Lake Huron Task Force. <u>Lake Huron 1980 Intensive Survey, Summary Report.</u> Report to the Surveillance Work Group. David M. Dolan <u>et al.</u>, eds. Windsor, Ontario, February 1986, 133 pp.

Great Lakes Water Quality Board. Surveillance Work Group. Great Lakes International Surveillance Plan (GLISP). 2 vols. Windsor, Ontario, February 1986.

Great Lakes Water Quality Board. 1987 Report on Great Lakes Water Quality. [Windsor, Ontario], November 1987, 236 pp.

Conseil de la qualité de l'eau des Grands lacs. Rapport de 1987 sur la qualité de l'eau des Grands Lacs. [Washington et Ottawa], novembre 1987, 230 pp.

Appendix A: Progress in Developing Remedial Action Plans for Areas of Concern in the Great Lakes Basin. [Windsor, Ontario], November 1987, 208 pp.

Great Lakes Water Quality Board. 1987 Report on Great Lakes Water Quality: Appendix B: Great Lakes Surveillance. 3 vols. [Windsor, Ontario], March 1989, 879 pp.

Great Lakes Water Quality Board. <u>Assessment of the Effects of Nutrient Loadings on Lake Ontario Using a Mathematical Model of the Phytoplankton</u>. Prepared by Hydroscience, Inc. Windsor, Ontario, March 1976, 116 pp.

Great Lakes Water Quality Board. New and Revised Specific Water Quality Objectives Proposed (to) the International Joint Commission for the 1972 Agreement Between the United States and Canada on Great Lakes Water Quality. Windsor, Ontario, September 1976, 182 pp.

Great Lakes Water Quality Board. Group 2 New and Revised Specific Water Quality Objectives, Proposed [to the International Joint Commission] for the 1972 Agreement Between the United States and Canada on Great Lakes Water Quality. [Windsor, Ontario], January 1978, 195 pp.

Chlorine Objective Task Force. <u>Alternatives for Managing Chlorine Residuals: A Social and Economic Assessment</u>. Final Report to the Great Lakes Water Quality Board. Windsor, Ontario, April 1980, 163 pp.

Toxic Substances Committee. <u>First Report to the Great Lakes Water Quality Board</u>. [Windsor, Ontario], November 1980, 99 pp.

Great Lakes Water Quality Board. Surveillance Subcommittee. <u>Great Lakes International Surveillance Plan</u>. Windsor, Ontario, November 1980.

Data Quality Work Group. <u>Data Quality Assessment</u>. Report to the Water Quality Programs Committee of the Great Lakes Water Quality Board. Windsor, Ontario, November 1980, 95 pp.

Toxic Substances Committee. <u>Toxic Substances Control Programs in the Great Lakes Basin</u>. Report to the Great Lakes Water Quality Board. [Windsor, Ontario], [1981], 94 pp.

Pulp and Paper Point Sources Task Force of the Water Quality Programs Committee. The Response of the Pulp and Paper Industry in the Great Lakes Basin to Pollution Abatement Programs. Report to the Great Lakes Water Quality Board. [Windsor, Ontario], October 1981, 68 pp.

Dredging Subcommittee. <u>Guidelines and Register for Evaluation of Great Lakes Dredging Projects</u>. Report to the Water Quality Programs Committee of the Great Lakes Water Quality Board. [Windsor, Ontario], January 1982, 365 pp.

Petroleum Refinery Point Source Task Force of the Water Quality Programs Committee. A Review of the Pollution Abatement Programs Relating to the Petroleum Refinery Industry in the Great Lakes Basin. Report to the Great Lakes Water Quality Board. Windsor, Ontario, November 1982, 138 pp.

Surveillance Work Group. <u>Guidance on Characterization of Toxic Substances</u> <u>Problems in Areas of Concern in the Great Lakes Basin</u>. A Report to the Water Quality Board Based on Recommendations from the Monitoring in Areas of Concern Workshop held at Canada Centre for Inland Waters, October 3-4, 1985. Windsor, Ontario, March 1987, 179 pp.

Dredging Subcommittee. A Forum to Review Confined Disposal Facilities for Dredged Materials in the Great Lakes. Report to the Great Lakes Water Quality Board. Windsor, Ontario, October 1986, 97 pp.

Dredging Subcommittee. <u>Evaluation of Sediment Bioassessment Techniques</u>. Report to the Great Lakes Water Quality Board. Windsor, Ontario, October 1986, 123 pp.

Task Force on Chemical Loadings of the Toxic Substances Committee. Report on Modeling the Loading-Concentration Relationship for Critical Pollutants in the Great Lakes. Report to the Great Lakes Water Quality Board. Windsor, Ontario, October 1988, 275 pp.

Sediment Subcommittee and Remedial Options Work Group. Options for the Remediation of Contaminated Sediments in the Great Lakes. Report to the Great Lakes Water Quality Board. Windsor, Ontario, December 1988, 78 pp.

Sediment Subcommittee and Assessment Work Group. <u>Procedures for the Assessment of Contaminated Sediments in the Great Lakes</u>. Report to the Great Lakes Water Quality Board. Windsor, Ontario, December 1988, 140 pp.

A Review of Lake Ontario Water Quality with Emphasis on the 1981-1982 Intensive Years. Report to the Surveillance Subcommittee of the Great Lakes Water Quality Board. Robert J.J. Stevens, [Windsor, Ontario], October 1988, 300 pp.

#### **PROCEEDINGS**

Great Lakes Surveillance and Monitoring, Proceedings of a Workshop held in Windsor, Ontario, January 20-21, 1976. Sponsored by the Surveillance Subcommittee of the Great Lakes Water Quality Board. N. Gibson MacDonald, ed. Windsor, Ontario, March 1977, 136 pp.

Workshop on Hazard Assessment, Proceedings of a Workshop held in Ann Arbor, Michigan, April 9-11, 1979. Sponsored by the Great Lakes Water Quality Board of the International Joint Commission. M.P. Bratzel, Jr., ed. Windsor, Ontario, December 1979, 265 pp.

Remediation of Community and Sediments in the Great Laires Report to the Great Lakes Water Quality Board Windson Onterio, Decomber 1988, 378, pp. 18

The Science Advisory Board provides advice on research to the Commission and to the Water Quality Board and provides advice on scientific matters referred to it by the Commission, or by the Water Quality Board in consultation with the Commission.

Members of the Science Advisory Board are appointed by the Commission after consultation with the government or governments concerned and are selected on the basis of prominence in their field of science and participate as individuals regardless of agency, academic or industrial affiliation.

In November 1978, the Research Advisory Board was renamed the SCIENCE ADVISORY BOARD.

#### ANNUAL REPORTS

Great Lakes Research Advisory Board. <u>Semi-annual Report to the International Joint Commission</u>. [Windsor, Ontario], April 1973.

Great Lakes Research Advisory Board. <u>Semi-annual Report to the International Joint Commission</u>. [Windsor, Ontario], September 1973.

Great Lakes Research Advisory Board. Third Semi-annual Report to the International Joint Commission. [Windsor, Ontario], April 1974, 81 pp.

Great Lakes Research Advisory Board. Fourth Semi-annual Report to the International Joint Commission. [Windsor, Ontario], October 1974, 16 pp.

Great Lakes Research Advisory Board. Annual Report to the International Joint Commission. [Windsor, Ontario], July 1975, 64 pp.

Great Lakes Research Advisory Board. Annual Report to the International Joint Commission. [Windsor, Ontario], July 1976, 23 pp.

Great Lakes Research Advisory Board. Annual Report to the International Joint Commission. [Windsor, Ontario], July 1977, 45 pp.

Great Lakes Research Advisory Board. <u>Annual Report to the International Joint Commission</u>. Windsor, Ontario, July 1978, 64 pp.

Great Lakes Research Advisory Board. <u>Annual Report to the International Joint Commission</u>. Windsor, Ontario, July 1979, 109 pp.

Great Lakes Science Advisory Board. 1980 Annual Report to the International Joint Commission: A Perspective on the Problem of Hazardous Substances in the Great Lakes Basin Ecosystem. [Windsor, Ontario], November 1980, 70 pp.

Great Lakes Science Advisory Board. 1980 Annual Report to the International Joint Commission. Appendix A & B: Assessment of Airborne Contaminants in the Great Lakes Basin Ecosystem. [Windsor, Ontario], June 1981.

Great Lakes Science Advisory Board. 1981 Annual Report to the International Joint Commission. [Windsor, Ontario], November 1981, 46 pp.

Great Lakes Science Advisory Board. 1982 Annual Report: Great Lakes Research Review. Windsor, Ontario, November 1982, 66 pp.

Great Lakes Science Advisory Board. <u>Appendices to 1982 Annual Report: Great Lakes Research Review</u>. Windsor, Ontario, November 1982, 270 pp.

Great Lakes Science Advisory Board. 1983 Annual Report to the International Joint Commission. Windsor, Ontario, November 1983, 36 pp.

Great Lakes Science Advisory Board. 1985 Annual Report to the International Joint Commission. [Windsor, Ontario], June 1985, 40 pp.

Conseil consultatif scientifique des Grands lacs. Rapport annuel pour 1985 à la Commission mixte internationale. [Windsor, Ontario], avril 1985, 49 pp.

Great Lakes Science Advisory Board. 1987 Report to the International Joint Commission. [Windsor, Ontario], November 1987, 78 pp.

Conseil consultatif scientifique des Grands lacs. Rapport 1987 à la Commission mixte internationale. [Windsor, Ontario], novembre 1987, 77 pp.

### SPECIAL REPORTS

Great Lakes Research Advisory Board. <u>Asbestos in the Great Lakes Basin with Emphasis on Lake Superior</u>. A Report to the International Joint Commission. [Windsor, Ontario], February 1975.

Great Lakes Research Advisory Board. 1975 Directory of Great Lakes Research Activities. [Windsor, Ontario], February 1975, 747 pp.

Great Lakes Research Advisory Board. 1976 Directory of Great Lakes Research and Related Activities. D.E. Konasewich, ed. [Windsor, Ontario], January 1976. 506 pp.

Great Lakes Research Advisory Board. <u>Great Lakes Water Quality Research Needs, A Report to the International Joint Commission</u>. [Windsor, Ontario], July 1976, 121 pp.

Task Force on the Health Implications of Nitrilotriacetic Acid. Report to the Great Lakes Research Advisory Board on the Health Implications of NTA. [Windsor, Ontario], May 1977, 59 pp.

Great Lakes Research Advisory Board. The Ecosystem Approach: Scope and Implications of an Ecosystem Approach to Transboundary Problems in the Great Lakes Basin, Special Report to the International Joint Commission. Windsor, Ontario, July 1978, 47 pp.

Task Force on Ecological Effects of Non-Phosphate Detergent Builders. Report to the Great Lakes Research Advisory Board of the International Joint Commission on the Ecological Effects of Non-Phosphate Detergent Builders, Final Report on NTA. [Windsor, Ontario], December 1978, 91 pp.

Great Lakes Research Advisory Board. <u>Canada-United States Research Programs Pertinent to the Water Quality of the Great Lakes, A Report to the International Joint Commission.</u> Windsor, Ontario, July 1978, 107 pp.

Task Force on the Health Effects of Non-NTA Detergent Builders. Report on the Health Implications of Non-NTA Detergent Builders. Windsor, Ontario, October 1980, 78 pp. [Revised March 1981]

Task Force on Ecological Effects of Non-Phosphate Detergent Builders. Report on Ecological Effects of Non-Phosphate Detergent Builders, Final Report on Organic Builders Other Than NTA. [Windsor, Ontario], July 1980, 83 pp.

Report of the Aquatic Ecosystems Objective Committee to the Great Lakes Science Advisory Board. [Windsor, Ontario], November 1980, 127 pp.

Report of the Aquatic Ecosystem Objectives Committee to the Great Lakes Science Advisory Board. [Windsor, Ontario], November 1981, 48 pp.

Expert Committee on Engineering and Technological Aspects of Great Lakes Water Quality. <u>Biological Availability of Phosphorus</u>. Report to the Great Lakes Science Advisory Board. [Windsor, Ontario], [November 1981], 30 pp.

Great Lakes Science Advisory Board. <u>Environmental Implications of Alternative Energy Futures for the Great Lakes Basin</u>. Report to the International Joint Commission. [Windsor, Ontario], March 1982, 171 pp.

Task Force on Ecological Effects of Non-Phosphate Detergent Builders. <u>Ecological Effects of Non-Phosphate Detergent Builders, Final Report on Inorganic Builders to the Great Lakes Science Advisory Board</u>. [Windsor, Ontario], November 1983, 41 pp.

Report of the Aquatic Ecosystem Objectives Committee to the Great Lakes Science Advisory Board. Windsor, Ontario, November 1983, 69 pp.

Multi-Institutional Management: The Green Bay Experience. Presented to the Social and Economic Considerations Committee of the Great Lakes Science Advisory Board by C. Jarrell Yarbrough. [Windsor, Ontario], March 1985, 87 pp.

Working Group on Indicators of Ecosystem Quality. A Conceptual Approach for the Application of Biological Indicators of Ecosystem Quality in the Great Lakes Basin. A Joint Effort of the International Joint Commission and the Great Lakes Fishery Commission. Report to the Great Lakes Science Advisory Board. R.A. Ryder and C.J. Edwards, eds. Windsor, Ontario, March 1985, 169 pp.

1985 Annual Report of the Aquatic Ecosystem Objectives Committee to the Great Lakes Science Advisory Board. Windsor, Ontario, February 1986, 119 pp.

Groundwater Contamination Task Force. <u>A Study Proposal for Assessing Potential for Great Lakes Contamination via Groundwater</u>. Report to the Great Lakes Science Advisory Board. Windsor, Ontario, October 1985, 67 pp.

Modeling Task Force. <u>Uses, Abuses, and Future of Great Lakes Modeling</u>. Report to the Great Lakes Science Advisory Board. Windsor, Ontario, February 1986, 95 pp.

Health of Aquatic Communities Task Force. <u>Literature Review of the Effects of Persistent Toxic Substances on Great Lakes Biota</u>. Report to the Great Lakes Science Advisory Board by J. Fitchko. Windsor, Ontario, December 1986, 256 pp.

Great Lakes Science Advisory Board. <u>Directory of Great Lakes Education</u>
Material. [Windsor, Ontario], March 1987, 78 pp. [Revised March 1988]

Council of Great Lakes Research Managers. <u>PCBs: A Case Study. Proceedings of a Workshop on Great Lakes Coordination Research 1985</u>, held November 1985. Report to the Great Lakes Science Advisory Board. Windsor, Ontario, released February 1988, 113 pp.

An Overview of Contaminated Sediments in the Great Lakes With Special Reference to the International Workshop held at Aberystwyth, Wales, U.K. Report to the Great Lakes Science Advisory Board by T.B. Reynoldson, A. Mudroch and C.J. Edwards. Windsor, Ontario, February 1988, 41 pp.

1987 Report of the Aquatic Ecosystem Objectives Committee to the Great Lakes Science Advisory Board. [Windsor, Ontario], released March 1988, 51 pp.

Review of the Research Advisory Board/Science Advisory Board Recommendations and Supporting Reports with IJC and Government Responses 1973 through 1985. Report to the Great Lakes Science Advisory Board by Clayton J. Edwards. [Windsor, Ontario], March 1988, 103 pp.

Remedial Action Plan Research Needs. Report to the Great Lakes Science Advisory Board by C.B. Gray and D. Rathke. Windsor, Ontario, October 1988, 33 pp.

#### **PROCEEDINGS**

Cladophora in the Great Lakes, Proceedings of a Workshop held in Windsor, Ontario, February 19-21, 1975. Sponsored by the Great Lakes Research Advisory Board Standing Committee on Eutrophication. H. Shear and D.E. Konasewich, eds. Windsor, Ontario, 1975, 179 pp.

The Feasibility of Remote Tracking of Drogues and Other Instruments Drifting in Coastal Waters, Proceedings of a Workshop held in Windsor, Ontario, February 24-25, 1975. Sponsored by the Research Advisory Board Standing Committee on Lake Dynamics. A.E.P. Watson, ed. Windsor, Ontario, 1975.

Structure-Activity Correlations in Studies of Toxicity and Bioconcentration with Aquatic Organisms, Proceedings of a Symposium held in Burlington, Ontario, March 11-13, 1975. Sponsored by the Research Advisory Board Standing Committee on the Scientific Basis for Water Quality Criteria. G.D. Veith and D.E. Konasewich, eds. [Windsor, Ontario], 1975, 347 pp.

Proceedings of a Workshop on Public Participation held in Ann Arbor, Michigan, June 23-24, 1975. Sponsored by the Research Advisory Board Standing Committee on Social Sciences, Economics and Legal Aspects. P.A. Bonner and R. Shimizu, eds. [Windsor, Ontario], 1975, 108 pp.

Toxicity to Biota of Metal Forms in Natural Water, Proceedings of a Workshop held in Duluth, Minnesota, October 7-8, 1975. Sponsored by the Research Advisory Board Standing Committee on the Scientific Basis for Water Quality Criteria. R.W. Andrew, P.V. Hodson and D.E. Konasewich, eds. [Windsor, Ontario], April 1976, 329 pp.

The Dynamics of Stratification and of Stratified Flow in Large Lakes, Proceedings of a Workshop held in Windsor, Ontario, February 26, 1976. Sponsored by the Research Advisory Board Standing Committee on Lake Dynamics. A.E.P. Watson, ed. Windsor, Ontario, 1976, 199 pp.

Proceedings of a Workshop on the Fluvial Transport of Sediment-Associated Nutrients and Contaminants held in Kitchener, Ontario, October 20-22, 1976. Sponsored by the Research Advisory Board on Behalf of the Pollution from Land Use Activities Reference Group. H. Shear and A.E.P. Watson, eds. [Windsor, Ontario], 1977, 309 pp.

Workshop on Environmental Mapping of the Great Lakes, Proceedings of a Symposium held in Windsor, Ontario, November 8-10, 1976. Sponsored by the Research Advisory Board Scientific Basis for Water Quality Criteria Task Force. D.R. Rosenberger and A. Robertson, eds. [Windsor, Ontario], 1977, 224 pp.

Economic and Legal Mechanisms, Proceedings of a Workshop held in Windsor, Ontario, February 21-22, 1977. Sponsored by the Great Lakes Research Advisory Board Standing Committee on Social Sciences, Economic and Legal Aspects. P.A. Bonner, ed. Windsor, Ontario, October 1977, 302 pp.

Anticipatory Planning for the Great Lakes, Workshop held in Windsor, Ontario, March 5-7, 1979. Vol. I: Summary. Sponsored by the Great Lakes Science Advisory Board Societal Aspects Experts Committee. Windsor, Ontario, December 1979, 73 pp.

Anticipatory Planning for the Great Lakes, Workshop held in Windsor, Ontario, March 5-7, 1979. Vol. II: Workshop Work Group Reports. Sponsored by the Great Lakes Science Advisory Board Societal Aspects Expert Committee. Windsor, Ontario, February 1980, 194 pp.

Implementing the Ecosystem Approach, Summary of Proceedings Culminating in a Workshop, Hiram, Ohio, March 22-24, 1983. Part A: Overview, Obstacles and Strategy by W.J. Christie and J.R. Vallentyne; Part B. Initiatives Developed at the Hiram Workshop by M. Becker and J. Cowden. Sponsored by the International Joint Commission and the Science Advisory Board, Great Lakes Fishery Commission and the Board of Technical Experts, and the Petroleum Association for Conservation of the Canadian Environment. Hiram, Ohio, 1983, 99 pp.

Rehabilitation of Lake Ontario: The Role of Nutrient Reduction and Food Web Dynamics. Based on Conclusions and Recommendations from Food Web II Workshop. Sponsored by the Great Lakes Science Advisory Board in Burlington, Ontario, February 25-27, 1987. [Windsor, Ontario], released March 1988, 75 pp.

Spills: The Human-Machine Interface. Proceedings of the Workshops on Human Machine Interface held in 1986 and 1987. Sponsored by the Great Lakes Science Advisory Board Technological Committee. Windsor, Ontario, released June 1988, 122 pp.

# GREAT LAKES WATER QUALITY BOARD AND GREAT LAKES SCIENCE ADVISORY BOARD

#### ANNUAL REPORTS

1980 Annual Report of the Committee on the Assessment of Human Health Effects of Great Lakes Water Quality. Report to the Great Lakes Water Quality Board and the Great Lakes Science Advisory Board. [Windsor, Ontario], November 1980, 34 pp.

1981 Annual Report of the Committee on the Assessment of Human Health Effects of Great Lakes Water Quality. Report to the Great Lakes Water Quality Board and the Great Lakes Science Advisory Board. [Windsor, Ontario], November 1981, 142 pp.

1982 Annual Report of the Committee on the Assessment of Human Health Effects of Great Lakes Water Quality. Report to the Great Lakes Water Quality Board and the Great Lakes Science Advisory Board. Windsor, Ontario, November 1982, 88 pp.

1983 Annual Report of the Committee on the Assessment of Human Health Effects of Great Lakes Water Quality. Report to the Great Lakes Water Quality Board and the Great Lakes Science Advisory Board. Windsor, Ontario, November 1983, 34 pp.

1985 Annual Report of the Committee on the Assessment of Human Health Effects of Great Lakes Water Quality. Report to the Great Lakes Water Quality Board and the Great Lakes Science Advisory Board. Windsor, Ontario, revision October 1986, 111 pp.

#### SPECIAL REPORTS

Phosphorus Management Strategies Task Force. <u>Phosphorus Management for the Great Lakes</u>. Final Report to the Great Lakes Water Quality Board and Great Lakes Science Advisory Board. Windsor, Ontario, July 1980, 129 pp.

Summary Report of the Workshop on Great Lakes Atmospheric Deposition. Report to the Great Lakes Science Advisory Board, Great Lakes Water Quality Board and International Air Quality Advisory Board, held October 29-31, 1986 in Scarborough, Ontario. Windsor, Ontario, released October 1987, 41 pp.

Mass Balancing of Toxic Chemicals in the Great Lakes: The Role of Atmospheric Deposition. Report to the Great Lakes Science Advisory Board, Great Lakes Water Quality Board and International Air Quality Advisory Board by W.M.J. Strachan and S.J. Eisenreich. Appendix I from the Workshop on the Estimation of Atmospheric Loadings of Toxic Chemicals to the Great Lakes basin held at Scarborough, Ontario October 29-31, 1986. Windsor, Ontario, released May 1988, 113 pp.

#### **PROCEEDINGS**

Proceedings of the Workshop on the Compatibility of Great Lakes Basin Cancer Registries held in Windsor, Ontario, March 19-20, 1981. Sponsored by the Great Lakes Water Quality Board and Great Lakes Science Advisory Board Through Their Committee on the Assessment of Human Health Effects of Great Lakes Water Quality. [Windsor, Ontario], November 1981, 118 pp.

Proceedings of the Roundtable on the Surveillance and Monitoring Requirements for Assessing Human Health Hazards Posed by Contaminants in the Great Lakes Basin Ecosystem held in East Lansing, Michigan, March 17-18, 1982. Sponsored by the Great Lakes Water Quality Board and Great Lakes Science Advisory Board Through Their Committee on the Assessment of Human Health Effects of Great Lakes Water Quality. Windsor, Ontario, November 1982, 72 pp.

## INTERNATIONAL REFERENCE GROUP ON UPPER LAKES POLLUTION

The Commission in 1972 formed a fourteen member binational body to conduct a study of water quality in Lake Huron-Georgian Bay and Lake Superior. The International Reference Group on Upper Lakes pollution was asked to respond to four questions which the two Governments had referred to the Commission:

- 1. Are lakes Superior and Huron being polluted?
- 2. If so, to what extent, by what causes, and where?
- 3. What measures would be most practicable to restore and protect water quality and what would such measures probably cost?
- 4. If pollution is taking place, what preventive actions should be taken to preclude future pollution and what would be the probable cost?

Four working groups assisted the Reference Group by undertaking studies of: nearshore problems; lakewide trends of physical, chemical, biological, bacteriological and geological characteristics; materials input; and background information on hydrology, climate, geology, population, land use and water use. Toward the close of 1975 the studies were completed and authors began preparing the three-volume report presented to the Commission in mid-1976. Volume I is a summary report, Volume II contains details regarding Lake Huron and Georgian Bay, and Volume III relates to Lake Superior.

#### ANNUAL REPORTS

International Reference Group on Upper Lakes Pollution. <u>Third Semi-annual Report to the Great Lakes Water Quality Board</u>. [Windsor, Ontario], March 1974, 13 pp.

International Reference Group on Upper Lakes Pollution. <u>Fourth Semi-annual Report to the Great Lakes Water Quality Board</u>. [Windsor, Ontario], September 1974.

International Reference Group on Upper Lakes Pollution. Fifth Progress Report to the International Joint Commission. [Windsor, Ontario], July 1975.

#### SPECIAL REPORTS

International Reference Group on Upper Lakes Pollution. <u>Study of Pollution Problems of Lake Huron and Lake Superior: Program Review and Detailed Study Plan for 1974/75, A Report to the Great Lakes Water Quality Board</u>. [Windsor, Ontario], February 1974 (reprinted with addenda, November 1974).

Upper Lakes Reference Group. The Waters of Lake Huron and Lake Superior, A Report to the International Joint Commission. Windsor, Ontario.

V.I Summary and Recommendations. 1976, 236 pp.

V.II Part A Lake Huron, Georgian Bay, and the North Channel. 1977.

V.II Part B Lake Huron, Georgian Bay, and the North Channel. 1977.

V.III Part A Lake Superior. 1977.

V.III Part B Lake Superior. 1977.

# INTERNATIONAL REFERENCE GROUP ON GREAT LAKES POLLUTION FROM LAND USE ACTIVITIES (PLUARG)

In 1972 the Commission established the International Reference Group on Pollution from Land Use Activities (PLUARG) to carry out studies required to answer the following questions:

- 1. Are the boundary waters of the Great Lakes system being polluted by land drainage from man-made and natural sources?
- 2. If the answer to (1) is yes, to what extent, by what causes and in what localities is the pollution occurring?
- 3. What remedial measures would be most practicable and what would be their costs?

The eighteen member Reference Group had an equal number of United States and Canadian members. Four task groups, their technical advisors and expert committees assisted the Group.

The studies were designed to:

- 1. Assess problems, management programs and research on the effects of land use activities on water quality in boundary waters of the Great Lakes.
- 2. Inventory land use and land use practices for trends and projections to 1980 and 2020.
- 3. Study intensively a small number of representative watersheds to enable some extrapolation of data to the entire Great Lakes basin and relate specific land uses and practices to contamination of water quality by Great Lakes streams.
- 4. Diagnose degree of impairment of water quality in the Great Lakes resulting from land use activities.

Since PLUARG's recommendations could provide guidance for land use planning efforts and water usage well into the future, late in 1976 the Group began an extensive public information/participation program which was carried out through the rest of its studies and concluded with the Commission's public hearings. PLUARG's final report was presented to the Commission in July 1978.

Reference Group on Great Lakes Pollution from Land Use Activities (Land Drainage Reference Group). <u>First Progress Report to the International Joint Commission</u>. [Windsor, Ontario], April 1973, 14 pp.

Reference Group on Great Lakes Pollution from Land Use Activities (Land Drainage Reference Group). Second Progress Report to the Great Lakes Water Quality Board. [Windsor, Ontario], September 1973, 20 pp.

International Reference Group on Great Lakes Pollution from Land Use Activities (Land Use Activities Reference Group). Third Progress Report to the Great Lakes Water Quality Board. [Windsor, Ontario], February 1974, 17 pp.

International Reference Group on Great Lakes Pollution from Land Use Activities (Land Use Activities Reference Group). <u>Fourth Progress Report to the Great Lakes Water Quality Board</u>. [Windsor, Ontario], August 1974, 37 pp.

International Reference Group on Great Lakes Pollution from Land Use Activities. Progress Report to the Great Lakes Water Quality Board. [Windsor, Ontario], March 1975, 24 pp.

International Reference Group on Great Lakes Pollution from Land Use Activities. Annual Progress Report to the International Joint Commission. [Windsor, Ontario], July 1975, 46 pp.

International Reference Group on Great Lakes Pollution from Land Use Activities. Annual Progress Report to the International Joint Commission. [Windsor, Ontario], July 1976, 64 pp.

International Reference Group on Great Lakes Pollution from Land Use Activities. Annual Progress Report to the International Joint Commission. [Windsor, Ontario], July 1977, 116 pp.

International Reference Group on Great Lakes Pollution from Land Use Activities. Environmental Management Strategy for the Great Lakes System. Final Report to the International Joint Commission. Windsor, Ontario, July 1978, 173 pp. (PLUARG 78-001)

#### **MODELLING REPORTS**

Johnson, Murray G. et al. Management Information Base and Overview Modelling. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities. [Windsor, Ontario], August 1978, 90 pp. (PLUARG 78-002)

Heidtke, Thomas M., William C. Sonzogni and Timothy J. Monteith. Management Information Base and Overview Modeling: Update of Projected Pollutant Loadings to the Great Lakes. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities. April 1979, 38 pp. (PLUARG 79-002) [Unpublished]

Drynan, W.R. and M.J. Davis. <u>Application of the Universal Soil Loss Equation to the Estimation of Nonpoint Sources of Pollutant Loadings to the Great Lakes</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities. [Windsor, Ontario], July 1978. (PLUARG 78-003)

Drynan, W.R. Relative Costs of Achieving Various Levels of Phosphorus Control at Municipal Wastewater Treatment Plants in the Great Lakes Basin. Technical Report to the International Reference Group on Great Lakes Pollution from Land Use Activities. [Windsor, Ontario], July 1978. (PLUARG 78-004)

Marsalek, J. <u>Pollution Due to Urban Runoff: Unit Loads and Abatement Measures</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities. [Windsor, Ontario], October 1978, 37 pp. (PLUARG 78-005)

#### **WORKSHOP PROCEEDINGS**

Proceedings of a Workshop on Water Quality and Land Use Activities held at Guelph, Ontario, September 11-12, 1973. Sponsored by the International Reference Group on Great Lakes Pollution from Land Use Activities. J.D. Wiebe, ed. [Windsor, Ontario], 1974, 248 pp. (PLUARG 74-006)

Proceedings of the Sandusky River Basin Symposium held at Tiffin, Ohio, May 2-3, 1975. Cosponsored by the Heidelberg College and Bowling Green State University. D.B. Baker, W.B. Jackson and B.L. Prater, eds. 1975, 475 pp. (PLUARG 75-007)

Proceedings of a Workshop on the Fluvial Transport of Sediment-Associated Nutrients and Contaminants held in Kitchener, Ontario, October 20-22, 1976. Sponsored by the Research Advisory Board on Behalf of the International Reference Group on Great Lakes Pollution from Land Use Activities. H. Shear and A.E.P. Watson, eds. [Windsor, Ontario], 1977, 309 pp. (PLUARG 77-008)

#### TASK 'A' REPORTS

International Reference Group on Great Lakes Pollution from Land Use Activities. Summary Review of Pollution from Land Use Activities. Submitted to the International Joint Commission. Windsor, Ontario, July 1975, 66 pp. (PLUARG 75-009) [Reprinted September 1976]

International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group A (U.S. Section). Management Programs, Research and Effects of Present Land Use Activities on Water Quality of the Great Lakes. 2 vols. [Windsor, Ontario], November 1974. (PLUARG 74-010) [Reprinted August 1976]

Castrilli, J.F. and A.J. Dines. Control of Water Pollution from Land Use Activities in the Great Lakes Basin: An Evaluation of Legislative and Administrative Programs in Canada and the United States Joint Summary Report. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group A. [Windsor, Ontario], March 1978, 109 pp. (PLUARG 78-011)

Linton and Co., Inc. The Legislative and Institutional Framework to Control Pollution from Land Use Activities in the United States Great Lakes Basins. 3 vols. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group A by Linton and Co., Inc. under contract to the Great Lakes Basin Commission. [Windsor, Ontario]. (PLUARG 78-012).

- v.1 Summary Report: A Comparative Analysis, Federal Framework. April 1978.
- v.2 States of Illinois, Indiana, Michigan and Minnesota. November 1977.
- v.3 States of New York, Ohio, Pennsylvania and Wisconsin. November 1977.

(A separate report containing only the Summary Report (April 1978) is also available).

Castrilli, J.F. Control of Water Pollution from Land Use Activities in the Canadian Great Lakes Basin: An Evaluation of Legislative, Regulatory and Administrative Programs. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group A (Canadian Section). [Windsor, Ontario], 1977. (A separate document (61 pp.) containing only the first chapter of this report is also available). (PLUARG 77-013)

Marshall Macklin Monaghan Ltd. Evaluation of Remedial Measures to Control Non-point Sources of Water Pollution in the Great Lakes Basin. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group A. [Windsor, Ontario], October 1977. (PLUARG 77-014)

Skimin, William E., Elizabeth C. Powers and Eugene A. Jarecki. An Evaluation of Alternatives and Costs for Nonpoint Source Controls in the United States Great Lakes Basin. Technical Report of the International Reference Group on Great Lakes Pollution from Land Use Activities. [Windsor, Ontario], July 1978, 351 pp. (PLUARG 78-015)

Statistical Reporting Services. <u>Survey of U.S. Great Lakes Basin Farmers Regarding Water Pollution from Agricultural Activities</u>. Analysis by Elizabeth C. Powers and Eugene A. Jarecki. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group A (U.S. Section). [Windsor, Ontario], November 1977, 33 pp. (PLUARG 77-016)

Bangay, Garth E. Agriculture and Water Pollution - An Assessment of the Practices and Attitudes of Ontario Farmers. Submitted to the International Reference Group on Pollution from Land Use Activities, Task Group A. [Windsor, Ontario], February 1979. (PLUARG 79-017)

Reports of the United States Public Consultation Panels to the Pollution from Land Use Activities Reference Group. [Windsor, Ontario], March 1978. (PLUARG 78-018)

Reports of the Canadian Public Consultation Panels to the Pollution from Land Use Activities Reference Group. [Windsor, Ontario], March 1978. (PLUARG 78-019)

#### TASK 'B' REPORTS

Crysler, Ralph and Keith Lathem. <u>Mine Tailing Disposal Sites, Waste Disposal Sites, Non-Sewered Residential Areas and Land Fill Sites.</u> Land Drainage Reference Study Task B2. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities. 1974. (Unpublished) (PLUARG 74-020)

Doneth, John. <u>Materials Usage in the U.S. Great Lakes Basin</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group B (U.S. Section). September 1975, 319 pp. (PLUARG 75-021)

Gierman, David M. and Robert A. Ryerson. <u>Land Use Information for the Great Lakes Basin</u>. 2 vols. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Technical Committee B. 1974. (Unpublished) (PLUARG 74-022)

International Reference Group on Great Lakes Pollution from Land Use Activities.

Land Use and Land Use Practices in the Great Lakes Basin, Joint Summary

Report - Task B, (United States and Canada). [Windsor, Ontario], September 1977, 45 pp. (PLUARG 77-023)

Great Lakes Basin Commission. <u>Inventory of Land Use and Land Use Practices in the United States Great Lakes Basin with Emphasis on Certain Trends and Projections to 1980, and Where Appropriate, to 2020.</u> 6 vols. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group B (U.S. Section). [Windsor, Ontario], 1976. (PLUARG 76-024)

v.1	Great Lakes Basin	March 1976,	146 pp.
v.2	Lake Superior Basin	March 1976,	214 pp.
v.3	Lake Michigan Basin	April 1976,	408 pp.
v.4	Lake Huron Basin	April 1976,	188 pp.
v.5	Lake Erie Basin	May 1976,	295 pp.
v.6	Lake Ontario Basin	May 1976,	226 pp.

Inventory of Land Use and Land Use Practices in the Canadian Great Lakes Basin with Emphasis on Certain Trends and Projections to 1980, and Where Appropriate, to 2020. 5 vols. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group B (Canadian Section). [Windsor, Ontario], 1977. (PLUARG 77-025)

v.1	Canadian Great Lakes Basin Summary	December	1977,	125 pp.
v.2	Canadian Lake Superior Basin	December	1977,	55 pp.
v.3	Canadian Lake Huron Basin	December		
v.4	Canadian Lake Erie Basin	December	1977,	75 pp.
v.5	Canadian Lake Ontario Basin	December	1977,	85 pp.

Monteith, Timothy J. and Eugene A. Jarecki. <u>Land Cover Analysis for the United States Great Lakes Watersheds</u>. Technical Report of the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group B. [Windsor, Ontario], May 1978, 53 pp. (PLUARG 78-026)

Deutscher, P. <u>The Usage of Biocides, Fertilizers, and Road Salts in the Great Lakes Basin: Projections to 2020</u>. Submitted to International Reference Group on Great Lakes Pollution from Land Use Activities, Task B-5 Land Use Forecasts. May 1976. (Unpublished) (PLUARG 76-027)

Sudar, A. The Social and Economic Implications of Eutrophication in the Canadian Great Lakes Basin. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group B. January 1978, 29 pp. (Unpublished Draft) (PLUARG 78-028)

Muir, Tom. <u>Commercial-Industrial Land Use Projections</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group B-5 Land Use Forecast. January 1976, 11 pp. (Unpublished) (PLUARG 76-029)

Sudar, Anne. <u>Urban Land Use Forecasts</u>. Prepared for the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group B-5 Land Use Forecasts. May 1976, 46 pp. (Unpublished) (PLUARG 76-030)

Deutscher, Patrick. The Path of Ontario Agriculture: Land Use Projections to 2020. Prepared for the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group B-5 Land Use Forecasts. May 1976, 84 pp. (Unpublished Draft) (PLUARG 76-032)

Coleman, Dell E. <u>Ontario Recreation: A Forecast to 2020</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group B-5. December 1976. (Unpublished) (PLUARG 76-033)

Sudar, A. and P. Deutscher. <u>Land Use Change in the Canadian Great Lakes Basin, 1971-2020</u>. Prepared for the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group B-5 Land Use Forecasts. May 1976, 46 pp. (Unpublished) (PLUARG 76-034)

L.J. D'Amore & Associates Ltd. Social, Institutional and Technological Trends and Synergisms Affecting Water Resources Quality in the Canadian Portion of the Great Lakes Basin. Contribution to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group B-5 and the Upper Lakes Reference Group, Working Group A, Study Item IV. July 1975, 71 pp. (Unpublished) (PLUARG 75-035S)

L.J. D'Amore & Associates Ltd. <u>The Knowledge Base</u>. Appendix to report entitled <u>Social</u>, <u>Institutional and Technological Trends and Synergisms Affecting Water Resources Quality in the Canadian Portion of the Great Lakes Basin</u>. July 1975, 180 pp. (Unpublished). (PLUARG 75-035K)

Sonnen, C.A. and P.M. Jacobson. <u>Estimates of Economic Activity in Regions of the Canadian Great Lakes Basin for the Period 1972-2020. Series A, Volume II.</u> Contribution to the International Reference Group on Great Lakes Pollution from Land Use Activities and the Upper Lakes Reference Group. December 1974, 35 pp. (PLUARG 74-036 AI)

#### TASK 'C' REPORTS

Chesters, Gordon et al. Pilot Watershed Studies Summary Report. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities. [Windsor, Ontario], June 1978. (PLUARG 78-037)

Bahr, Thomas G. Felton-Herron Creek, Mill Creek Pilot Watershed Studies, Summary Pilot Watershed Report. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C Technical Committee, Synthesis and Extrapolation Work Group. [Windsor, Ontario], January 1978, 48 pp. (PLUARG 78-038)

Burton, Thomas M. <u>The Felton-Herron Creek, Mill Creek Pilot Watershed Studies</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C - Pilot Watershed Program. Great Lakes National Program Office, Chicago, Illinois, 1978, 214 pp. (PLUARG 78-039)

Hetling, Leo J. et al. Genesee River Pilot Watershed Study, Summary Pilot Watershed Report. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C. [Windsor, Ontario], March 1978, 73 pp. (PLUARG 78-040)

Konrad, John G., Gordon Chesters and Kurt W. Bauer. Menomonee River Pilot Watershed Study, Summary Pilot Watershed Report. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (U.S. Section). [Windsor, Ontario], January 1978, 70 pp. (PLUARG 78-042)

Menomonee River Pilot Watershed Study. Contribution to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C. 10 vols. Great Lakes National Program Office, Chicago, Illinois. (PLUARG 79-043)

v.1	Summary and Recommendations	1979
v.2	Land Use, Population and Physical	
	Characteristics of the Menomonee River	
	Watershed (Draft)	1978
v.3	Surface Water Monitoring Data (Draft)	1978
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	Pollutant Loading Model - Landrun	1979
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	and Runoff Quality	1979
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	Lake Michigan During High Flows (Draft)	1979
v.11	Availability of Pollutants Associated	
	with Suspended or Settled River Sediments	
	Which Gain Access to the Great Lakes (Draft)	1979

Logan, Terry J. <u>Maumee River Basin Pilot Watershed Study, Summary Pilot Watershed Report</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C, (U.S. Section), [Windsor, Ontario], April 1978, 96 pp. (PLUARG 78-044)

Logan, Terry J. and Robert C. Stiefel. <u>Maumee River Basin Pilot Watershed Study, Final Report</u>. 2 vols. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C. Great Lakes National Program Office, Chicago, Illinois. March 1979. (PLUARG 79-045)

v.1 Watershed Characteristics and Pollutant Loadings. Defiance Area, Ohio. 135 pp.

v.2 Sediment, Phosphates, and Heavy Metal Transport. Defiance Area, Ohio. 133 pp.

Hore, R.C. and R.C. Ostry. <u>Grand River, Ontario, Summary Pilot Watershed Report</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C. [Windsor, Ontario], April 1978, 63 pp. (PLUARG 78-046)

Hore, R.C. and R.C. Ostry. <u>Saugeen River, Ontario, Summary Pilot Watershed Report</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C. [Windsor, Ontario], April 1978, 56 pp. (PLUARG 78-047)

Ontario Ministry of the Environment. Water Quality Data Collected for the Pollution from Land Use Activities Reference Group (PLUARG) Study 1975, 1976 and 1977. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C. 1978, 500 pp. (PLUARG 78-048)

Nicholson, J.A. <u>Forested Watershed Studies</u>, <u>Summary Technical Report</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C, Activity 2. [Windsor, Ontario], December 1977, 23 pp. (PLUARG 77-049)

Agriculture Canada, Ontario Ministry of Agriculture and Food and Ontario Ministry of the Environment. Agricultural Watershed Studies, Great Lakes Drainage Basin, Canada, Final Summary Report. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C, (Canadian Section), Activity 1. [Windsor, Ontario], May 1978, 79 pp. (PLUARG 78-050)

Sanderson, M. Agricultural Watershed Studies, Great Lakes Drainage Basin. Precipitation - Quantity and Quality. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1. [Windsor, Ontario], September 1977, 137 pp. (PLUARG 77-051)

Frank, Richard et al. Stream Flow Quality - Pesticides in Eleven Agricultural Watersheds in Southern Ontario, Canada, 1974-1977. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1. [Windsor, Ontario], 1978, 174 pp. (PLUARG 78-052)

Frank, Richard and Brian D. Ripley. <u>Land Use Activities in Eleven Agricultural Watersheds in Southern Ontario, Canada, 1975-1976</u>. Prepared for the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1. [Windsor, Ontario], March 1977, 176 pp. (PLUARG 77-053)

Acton, C.J., G.T. Patterson and C.G. Heath. Soil Survey of Six Agricultural Subwatersheds in Southwestern Ontario. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section). January 1979, 219 pp. (PLUARG 79-054)

Cameron, D.R. et al. <u>Nitrogen Movement in Tile-Drained Clay and Sandy Agricultural Watersheds: Final Report on Project 13 Agricultural Watershed Studies</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1, Project 13. [Windsor, Ontario], October 1977, 97 pp. (PLUARG 77-055)

Neilsen, G.H., J.L. Culley and D.R. Cameron. <u>Nitrogen Loadings from Agricultural Activities in the Great Lakes Basin</u>. Integration Report on Nitrogen. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1. [Windsor, Ontario], April 1978, 103 pp. (PLUARG 78-056)

Kowalenko, G.C. <u>Nitrogen Transformation Processes in Agricultural Watershed Soils: Final Report</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1, Project 11. [Windsor, Ontario], April 1978. (PLUARG 78-057)

Robinson, J.B., N.K. Kaushik and L. Chatarpaul. <u>Nitrogen Transport and Transformations in Canagagique Creek: Final Report.</u> Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C, Activity 1, Project 19A. [Windsor, Ontario], June 1978, 62 pp. (PLUARG 78-058)

Spires, A. and M.H. Miller. <u>Contribution of Phosphorus from Agricultural Land to Streams by Surface Runoff</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1, Project 18. [Windsor, Ontario], February 1978, 101 pp. (PLUARG 78-059)

Miller, M.H. and A.C. Spires. <u>Contribution of Phosphorus to the Great Lakes from Agricultural Land in the Canadian Great Lakes Basin</u>. Phosphorus Integration Report. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1. [Windsor, Ontario], March 1978, 55 pp. (PLUARG 78-060)

Beak Consultants Ltd. <u>Effects of Livestock Activity on Surface Water Quality, Final Report.</u> Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1, Project 20. [Windsor, Ontario], November 1977. (PLUARG 77-061)

Robinson, J.B. and D.W. Draper. <u>A Model for Estimating Inputs to the Great Lakes from Livestock Enterprises in the Great Lakes Basin</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C, Activity 1. [Windsor, Ontario], March 1978, 29 pp. (PLUARG 78-062)

Patni, N.K. and F.R. Hore. <u>Pollutant Transport to Subsurface and Surface Waters in an Integrated Farm Operation</u>. Report for the Period 1975-1977. PLUARG, Special Study No. 22. [Windsor, Ontario], February 1978, 79 pp. (PLUARG 78-063)

Gillham, R.W. et al. Studies of the Agricultural Contribution to Nitrate Enrichment of Groundwater and the Subsequent Loading to Surface Waters: Final Report. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C, Activity 1, Project 14. [Windsor, Ontario], January 1978. (PLUARG 78-064)

Gaynor, J.D. Sources of Nutrient and Metals in Hillman Creek. Technical Report to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section). [Windsor, Ontario], April 1978. (PLUARG 78-065)

Hynes, H.B. and K.W. Dance. <u>Comparative Nutrient Budget of the Two Branches of Canagagique Creek</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C, Project 19, Part B. [Windsor, Ontario], February 1977, 42 pp. (PLUARG 77-066)

Whitby, L.M. et al. Sources, Storage and Transport of Heavy Metals in Agricultural Watersheds. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1. [Windsor, Ontario], 1978, 142 pp. (PLUARG 78-067)

Wall, G.J., L.J.P. van Vliet and W.T. Dickinson. <u>Contribution of Sediments to the Great Lakes from Agricultural Activities in Ontario</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1. [Windsor, Ontario], April 1978, 41 pp. (PLUARG 78-068)

van Vliet, L.J.P., G.J. Wall and W.T. Dickinson. <u>Soil Erosion from Agricultural Land in the Canadian Great Lakes Basin: Combined Final Report</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1, Projects 16 and 17. [Windsor, Ontario], March 1978, 166 pp. (PLUARG 78-069)

Ihnat, M. Agricultural Sources, Transport and Storage of Metals: Copper, Zinc, Cadmium and Lead Levels in Waters of Selected Southern Ontario Agricultural Watersheds. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Project 9B. [Windsor, Ontario], November 1978, 156 pp. (PLUARG 78-070).

Topp, G.C. <u>Physical Properties of the Soils of Agricultural Watersheds 1 and 13 Which Control Moisture Storage and Transport: Final Report.</u> Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1, Project 12. [Windsor, Ontario], 1978, 43 pp. (PLUARG 78-071)

Coote, D.R. and F.R. Hore. <u>Pollution Potential of Cattle Feedlots and Manure Storages in the Canadian Great Lakes Basin: Final Report.</u> Parts 1 & 2. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Project 21. [Windsor, Ontario], August 1978, 131 pp. (PLUARG 78-072)

Coote, D.R. and R. DeHaan. <u>Agricultural Watersheds Overview Data Analysis and Extrapolation: Final Report.</u> Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1, Project 1B. December 1978, 79 pp. (PLUARG 78-073)

Whiteley, H.R. and S.R. Ghate. <u>Hydrological Model Project: Final Report.</u> Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Phase II, Project 1.15. [Windsor, Ontario], March 1978, 100 pp. (PLUARG 78-074)

Veska, Eric. Geochemistry and Hydrogeology of Agriculture Watershed No. 10, and Their Influence on the Chemical Composition of Water and Sediments. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 1, Project 23. [Windsor, Ontario], August 1977, 119 pp. (PLUARG 77-075)

Knap, Katherine M. and William F. Mildner. <u>Streambank Erosion in the Great Lakes Basin</u>. Joint Summary Technical Report. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C. [Windsor, Ontario], June 1978, 29 pp. (PLUARG 78-076)

Mildner, William F. Streambank Erosion in the U.S. Portion of the Great Lakes Basin. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (U.S. Section), Activity 6. [Windsor, Ontario], January 1978, 45 pp. (PLUARG 78-077)

O'Neill, J.E. <u>Pollution from Urban Land Use in the Grand and Saugeen Watersheds</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 3. [Windsor, Ontario], January 1979, 55 pp. (PLUARG 79-078)

Avadhanula, M. Rao. <u>Pollution from Rural, Transportation, Extractive, and Undisturbed Land Uses in the Grand and Saugeen Watersheds</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 3. [Windsor, Ontario], March 1979, 60 pp. (PLUARG 79-079)

Chan, H.T. <u>Contamination of the Great Lakes by Private Wastes</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Parts 1 and 2, Activity 3. [Windsor, Ontario], December 1978. (PLUARG 78-080)

International Reference Group on Great Lakes Pollution from Land Use Activities. Quality Control Handbook for Pilot Watershed Studies. D.M. Whitt, ed. Windsor, Ontario, July 1975 (revised March 1977). (PLUARG 75-081)

Dube, D. et al. <u>Data Quality Assurance for Watershed and Land Use Studies</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C. [Windsor, Ontario], 1978, 33 pp. (PLUARG 78-082)

Onn, Dennis. <u>Point Source Studies</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 4. November 1976, 3 pp. (Unpublished) (PLUARG 76-083)

Bodo, B. <u>Loadings and Parameter-Flow Relationships</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activities 1, 3 and 4, 1976, 27 pp. (Unpublished) (PLUARG 76-084)

Avadhanula, M. Rao. <u>Water Quality Studies, Fall Report</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activities 1, 3 and 4. November 1976, 24 pp. (Unpublished) (PLUARG 76-085)

Coote, D.R. et al. Agricultural Land Uses, Livestock and Soils of the Canadian Great Lakes Basin (South of Latitude 45 Degrees N), A Report of the Activities of the Engineering Research Service and the Soil Research Institute as Part of Agriculture Canada's Contribution to the Implementation of the Great Lakes Water Quality Agreement, 1973-1974. Prepared in Part for the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section). June 1974, 133 pp. (Unpublished) (PLUARG 74-086)

Ostry, R.C. The Effect of Some Waste Disposal Practices on Great Lakes Water Quality. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activity 3. [Windsor, Ontario], March 1980, 58 pp. (PLUARG 79-087)

Onn, Dennis. <u>Data Collection Methodology Used in the Study of Pollution from Land Use Activities in the Grand River and Saugeen Watersheds</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Activities 3 and 4. [Windsor, Ontario], March 1980, 86 pp. (PLUARG 79-088)

## TASK 'D' REPORTS

Great Lakes Basin Commission. Existing River Mouth Loading Data in the U.S. Great Lakes Basin. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (U.S. Section). [Windsor, Ontario], May 1976, 713 pp. (PLUARG 79-089)

Sonzogni, William C. et al. <u>United States Great Lakes Tributary Loadings</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (U.S. Section), Activity 2.3. [Windsor, Ontario], January 1978, 187 pp. (PLUARG 78-090)

Ongley, Edwin D. <u>Land Use</u>, <u>Water Quality and River-Mouth Loadings: A Selective Overview for Southern Ontario</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (Canadian Section), Activity 2.1. [Windsor, Ontario], March 1978, 110 pp. (PLUARG 78-091)

Seibel, Erwin, John M. Armstrong and Cheryl L. Alexander. <u>Technical Report on Determination of Quantity and Quality of Great Lakes U.S. Shoreline Eroded Material</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (U.S. Section), Activity 1.1. [Windsor, Ontario], September 1976, 292 pp. (PLUARG 76-092)

Monteith, Timothy J. and William C. Sonzogni. <u>U.S Great Lakes Shoreline Erosion Loadings</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (U.S. Section), Subactivity 1-1b. [Windsor, Ontario], December 1976, 211 pp. (PLUARG 76-093)

Thomas, R.L. and W.S. Haras. <u>Contribution of Sediment and Associated Elements to the Great Lakes from Erosion of the Canadian Shoreline</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D, Activity 1. 1978, 57 pp. (PLUARG 78-094)

Acres Consulting Services Ltd. <u>Atmospheric Loading of the Lower Great Lakes and the Great Lakes Drainage Basin</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities. March 1977. (PLUARG 77-095)

Acres Consulting Services Ltd. <u>Atmospheric Loadings to the Great Lakes, A Technical Note</u>. Submitted to the International Reference Group on Pollution of the Great Lakes from Land Use Activities. September 1977. (PLUARG 77-095T)

Gregor, D.J. and E.D. Ongley. <u>Analysis of Nearshore Water Quality Data in the Canadian Great Lakes</u>, 1967-1973, Part 1. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (Canadian Section), Activity 2.1. [Windsor, Ontario], January 1978, 270 pp. (PLUARG 78-096)

Chesters, Gordon and Joseph J. Delfino. Frequency and Extent of Wind-Induced Resuspension of Bottom Material in the U.S. Great Lakes Nearshore Waters. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (U.S. Section), Activity 3.3b. [Windsor, Ontario], June 1978, 111 pp. (PLUARG 78-097)

Suns, K. et al. Organochlorine and Heavy Metals Residues in the Nearshore Biota of the Canadian Lower Great Lakes. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (Canadian Section), Activity 3.3. [Windsor, Ontario], May 1978, 45 pp. (PLUARG 78-098)

Eadie, Brian J. <u>Effect of the Grand River Spring Runoff on Lake Michigan</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (U.S. Section), Subactivity 3.1. September 1976. (Unpublished Draft) (PLUARG 76-099)

Environment Canada and Ontario Ministry of Natural Resources. <u>Canada-Ontario Great Lakes Shore Damage Survey Technical Report</u>. Contribution to the International Reference Group on Great Lakes Pollution from Land Use Activities. October 1975, 97 pp. (PLUARG 75-100)

Canada-Ontario Great Lakes Shore Damage Survey Coastal Zone Atlas. Contribution to the International Reference Group on Great Lakes Pollution from Land Use Activities. March 1976, 732 pp. (PLUARG 76-100)

Ongley, Edwin David. <u>Hydrophysical Characteristics of Great Lakes Tributary Drainage, Canada</u>. 5 vols. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D, Activity 1, Subactivity 1. October 1974. (Unpublished, IJC Archives) (PLUARG 74-101)

Ongley, Edwin D. Study of Statistical Evaluation, and Update of Data Bank with Discharge and Water Quality Data for the Great Lakes Interconnecting Channels and Associated Tributaries. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (Canadian Section). March 1977. (Unpublished). (PLUARG 77-103)

Sydor, Michael and Gordon J. Oman. <u>Effects of Nemadji River Runoff on Lake Superior</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (U.S. Section), Activities 3.1 and 3.3a. December 1977, 174 pp. (Unpublished) (PLUARG 77-105)

Western Lake Erie During Spring Runoff Events. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task D (U.S. Section), Activity 3.1. May 1977, 153 pp. Center for Lake Erie Area Research Technical Report 65. (PLUARG 77-106)

Bannerman, Roger, John Konrad and Don Becker. Effect of Menomonee River Inputs on Lake Michigan During Peak Flow. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (U.S. Section), Activities 3.1 and 3.1a. August 1977, 78 pp. (Unpublished) (PLUARG 77-107)

State University of New York College (Buffalo), Great Lakes Laboratory. Effect of Genesee River Discharge and Wind-Induced Resuspension on the Nearshore Area of Lake Ontario. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities. December 1976, 69 pp. (Unpublished) (PLUARG 76-108)

National Aeronautics and Space Administration, Lewis Research Center. Coordinated Aircraft/Ship Surveys for Determining the Impact of River Inputs on Great Lakes Waters - Remote Sensing Results. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities. June 1977, 25 pp. (Unpublished) (PLUARG 77-109)

Gregor, Dennis J. and Walter Rast. <u>Trophic Characterization of the U.S. and Canadian Nearshore Zones of the Great Lakes</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities. [Windsor, Ontario], February 1979, 38 pp. (PLUARG 79-110)

Rast, Walter and Dennis J. Gregor. <u>Report on Differences in Great Lakes Phosphorus Load Estimates</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities. [Windsor, Ontario], February 1979, 27 pp. (PLUARG 79-111)

Sonzogni, William C. et al. Critical Assessment of U.S. Land Derived Pollutant Loadings to the Great Lakes. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (U.S. Section), Subactivity 3-4. March 1979, 179 pp. (PLUARG 79-112)

Millard, E.S. et al. Biomagnification of Atrazine in Lake Column Simulators. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (Canadian Section). [Windsor, Ontario], August 1979, 27 pp. (PLUARG 79-113)

Millard, E.S., C.C. Charlton and G.A. Burnison. <u>Availability of Phosphorus in Different Sources Entering the Great Lakes for Algal Growth</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D (Canadian Section). [Windsor, Ontario], August 1979, 38 pp. (PLUARG 79-114)

Armstrong, D.E., J.J. Perry and D.E. Flatness. <u>Availability of Pollutants Associated with Suspended or Settled River Sediments Which Gain Access to the Great Lakes</u>. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group D, Water Quality Impairment Studies. [Windsor, Ontario], December 1979. Great Lakes National Program Office, Chicago, Illinois. (Report EPA-905/4-79-028) (PLUARG 79-115)

International Reference Group on Great Lakes Pollution from Land Use Activities. <u>Detailed Study Plan to Assess Great Lakes Pollution from Land Use Activities</u>. Submitted to the Great Lakes Water Quality Board. [Windsor, Ontario], March 1974. (PLUARG 74-116) International Reference Group on Great Lakes Pollution from Land Use Activities. Supplement to the Detailed Study Plan to Assess Great Lakes Pollution from Land Use Activities. Submitted to the Great Lakes Water Quality Board. [Windsor, Ontario], August 1976, 119 pp. (PLUARG 76-117)

Coote, D.R. et al. Detailed Plan for the Study of Agricultural Watersheds in the Great Lakes Drainage Basin - Canada, 1974-1975. Prepared by the International Reference Group on Great Lakes Pollution from Land Use Activities, Task Group C (Canadian Section), Agricultural Subcommittee. February 1974. (PLUARG 74-118)

Konrad, John G., Gordon Chesters and Kurt W. Bauer. Menomonee River Pilot Watershed Study, Work Plan. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities and the U.S. Environmental Protection Agency. September 1974, 44 pp. (Unpublished) (PLUARG 74-119)

Ontario Ministry of the Environment, Water Resources Branch. Work Plan, Activities 1, 3 and 4. Submitted to the International Reference Group on Great Lakes Pollution from Land Use Activities. January 1976. (Unpublished) (PLUARG 75-120)

#### **RELATED DOCUMENTS**

Sullivan, Rose Ann C., Paul A. Sanders and William C. Sonzogni. <u>Post-PLUARG Evaluation of Great Lakes Water Quality Management Studies and Programs</u>. 2 vols. Great Lakes National Program Office, Chicago, Illinois, 1980 (EPA-905/9-80-006-A & B)

### **BIBLIOGRAPHY**

International Reference Group on Great Lakes Pollution from Land Use Activities. Annotated Bibliography of PLUARG Reports. [Windsor, Ontario], 1979, 121 pp. (PLUARG 79-122)

Copies of the PLUARG bibliography are available from the International Joint Commission, Great Lakes Regional Office, 100 Ouellette Avenue, 8th Floor, Windsor, Ontario N9A 6T3, or P.O. Box 32869, Detroit, Michigan 48232-2869.

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Great Lakes Regional Office. <u>Municipal Phosphorus Loadings to Lake Erie, An Evaluation Study Prepared for the Great Lakes Water Quality Board</u>. [Windsor, Ontario], December 1975, 35 pp.

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