

LAKE MICHIGAN BIBLIOGRAPHY

Volume 1: 1960-1976

Nancy Peterson Holm and Beth McArdle Morgan

CIRCULATING COPY
Sea Grant Depository



1989
ENVIRONMENTAL GEOLOGY NOTES 131

Department of Energy and Natural Resources
ILLINOIS STATE GEOLOGICAL SURVEY

*Cover photo: Shoreline erosion along Illinois
Beach State Park near Zion, Illinois (1981).
Photo by Ardith Hansel, ISGS.*

Printed by authority of the State of Illinois/1989/600

LAKE MICHIGAN BIBLIOGRAPHY

Volume 1: 1960-1976

Nancy Peterson Holm and Beth McArdle Morgan

**1989
ENVIRONMENTAL GEOLOGY NOTES 131**

**ILLINOIS STATE GEOLOGICAL SURVEY
Morris W. Leighton, Chief
Natural Resources Building
615 East Peabody Drive
Champaign, IL 61820**

TABLE OF CONTENTS

Acknowledgments	ii
Introduction	iii
References	1
Guide to the Indexes	201
Author Index	203
Subject Index	251
Area Index	423

ACKNOWLEDGMENTS

Funding for this project was provided by The Joyce Foundation, the Illinois Department of Energy and Natural Resources, and the U.S. Geological Survey. Publication costs were funded by the Illinois State Geological Survey and a new initiatives grant from the Illinois-Indiana Sea Grant Program. Funding for the Illinois-Indiana Sea Grant Program is administered by the National Oceanic and Atmospheric Administration, U.S. Department of Commerce, under Grant COMM-NA85AADSG 0830N.

We thank Steve Jann, Kim Kase Atkins, Joanne Klitzing, Cindy Shroba, and Steve Adams for their assistance on this project. We also thank all those who provided information for the bibliography, especially staff members of the Wisconsin Sea Grant Institute, Michigan Sea Grant College Program, Illinois-Indiana Sea Grant Program, and the International Joint Commission, and librarians at the Illinois State Geological Survey, Illinois Natural History Survey, and Illinois State Water Survey.

We appreciate the contributions of Charles Collinson (ISGS), Robert Gorden (INHS), Donald Gatz (ISWS), and Peter Lamb (ISWS) to the initial three-survey Lake Michigan Scoping Study, sponsored by the Illinois Department of Energy and Natural Resources, Board of Natural Resources and Conservation. This bibliography is a continuation of the research inventory begun in 1984 as part of that scoping study.

INTRODUCTION

This bibliography was begun in 1984 as part of the Lake Michigan Scoping Study jointly undertaken by the three Illinois Scientific Surveys and sponsored by the Illinois Department of Energy and Natural Resources, Board of Natural Resources and Conservation. The purpose of the scoping study was to provide a basis for developing prioritized, coordinated programs and a long-term research agenda for the Illinois Scientific Surveys and other state agencies. An essential part of that study was to determine what research had been conducted previously on the lake; therefore, a bibliography was compiled of all research literature on Lake Michigan covering the subjects of biology, chemistry, geology, physical limnology, meteorology, hydrology, management, socio-economics, and recreation. Because of the enormity of the task and time constraints of the study, the literature search extended back only to 1960. Funding provided by The Joyce Foundation after the scoping study had ended allowed completion of the bibliography covering the time period 1960-86.

The bibliography, which contains approximately 5,000 entries, is divided into two volumes, Volume 1: 1960-76 and Volume 2: 1977-86, each with its own indexes. The references are arranged alphabetically by the last name of the principal author (except for a few late additions at the end of each volume). Indexes are given for author, subject, and area of the lake studied. For more discussion of the indexes, see Guide to the Indexes.

References for the bibliography were compiled from searches of online computer databases (Biological Abstracts, Chemical Abstracts, Dissertation Abstracts, Enviroline, GEOREF, NTIS, Pollution Abstracts, Selected Water Resources Abstracts, and University of Michigan DATRIX), Sea Grant publication listings, publication listings from the Department of Natural Resources of each surrounding state, International Joint Commission bibliographies, NOAA Great Lakes Environmental Research Laboratory reports, listings of U.S. Fish and Wildlife Service publications, and State Survey publication listings. Separate searches were also made of journals not covered adequately in the previous searches and many of the publications were checked for additional references. [The term publications, as used in this bibliography, includes journal articles, reports, and books.]

The references were entered into a computerized database (using a database management program on a PRIME 9955 computer system) allowing searching and sorting by author, title, date, keywords, and other terms. The database was divided into two sections (1960-76 and 1977-86) because of size limitations of the program. In order to identify more keywords than we could from just indexing the titles of the publications, we acquired copies or abstracts of as many publications as possible. To date, 67 percent of the publications listed in the bibliography have been collected. Keywords were entered by examining the actual publication when available, otherwise from the title; other important keywords were added to maintain uniformity for indexing. All publications were classified by one or more major subjects--biology, chemistry, geology, physical limnology, meteorology, hydrology, management, socio-economics/economics, or recreation--and then further subclassified.

An examination of the distribution of publications in the various classifications reveals some interesting shifts in research over the past 25 years (table 1). In this table, the specific subjects are organized roughly into four categories: biological, chemical, geological, and physical limnology. Because many of the publications cited cover more than one subject, the total percentages in table 1 for major subjects and for specific subjects exceed 100 percent.

Table 1. References on specific subjects as percentages of the total number of references in the bibliography.

Major Subjects	1960-76 (%)	1977-86 (%)
Biology	47	53
Chemistry	32	45
Geology	22	20
Physical Limnology	26	20
Management	17	22
Meteorology	12	10
Socio-economics/Economics	8	11
Hydrology	7	7
Recreation	5	5
Specific Subjects		
Fisheries	25	30
Phytoplankton	11	11
Zooplankton	7	9
Benthic Invertebrates	7	7
Bacteria	5	4
Wetlands	1	4
Human Health	3	5
Power Plants	18	8
Thermal Pollution	11	3
Water Quality/Pollution	26	30
Inorganics	23	30
Metals	11	15
Nutrients	11	17
Phosphorus	8	12
Eutrophication	8	7
Organics	8	20
Toxic Substances	7	21
Sediments	16	22
Erosion	10	10
Lake Levels	10	8
Geophysics	1	1
Glacial	3	2
Groundwater	2	4
Atmospheric Studies (excluding Meteorology)	3	8
Loading/Deposition	10	15
Transport	6	9
Precipitation	6	5
Currents/Circulation	12	7
Waves	6	6
Ice	4	4
Evaporation	2	1
Climate	3	4
Water Use	4	4
Diversion	2	3
Resuspension	1	3
Nepheloid Layer	0	1

Our review of the literature showed that about 50 percent of the publications included in the bibliography deal with biological aspects of the Lake Michigan ecosystem. The most widely researched biological subject is fisheries, which constitutes 25 to 30 percent of the total publications. This percentage indicates the importance of fisheries to Lake Michigan and the Great Lakes states, and the extent of research by universities and state and federal fisheries agencies to restore fish populations, understand the effects of toxic substances on fish, and monitor changes in the abundance of fish populations.

The percentage of publications on chemistry increased from 32 percent of the total in the 1960-76 period to 45 percent in the 1977-86 period as interest increased in water quality, loading and cycling of inorganics and organics, and the effects of toxic substances on biota. Also, part of the increase in the percentage of publications on chemistry may have occurred because analytical techniques became sufficiently sensitive to detect more chemicals in the lake. It is of interest to note that although eutrophication has been less a topic in the news in recent years than in the 1960s and 1970s and toxic substances have become a main concern, the percentage of references on eutrophication has remained fairly constant while the percentages of references on nutrients and phosphorus have actually increased slightly. The percentage of publications on water quality as a general subject has increased just slightly from 26 to 30 percent of the papers. However, the percentage of publications on organics has increased from 8 to 20 percent and the percentage on toxic substances (encompassing some organics as well as toxic metals) increased from 7 to 21 percent. These percentages include references on organics and toxics related to water quality as well as references on organics or toxics and biota. Many new organic compounds now studied (e.g., dioxin) were not mentioned in earlier papers. The percentage of references on inorganic substances, which include both metals and nutrients, has also increased; most of this increase has been in the area of sediment chemistry.

The percentage of publications on geology (excluding the increase in sediment studies) remained relatively constant over the past 25 years. And although the percentage of references on meteorology also remained fairly constant, there was an increase in other atmospheric studies as the role of atmospheric loading of toxics and nutrients to Lake Michigan became better understood and interest in the air-water interface increased.

Fewer publications on power plants and thermal pollution are listed for the 1977-86 period than for the 1960-76 period. Many of the earlier publications were the result of preoperational and postoperational monitoring needed for environmental impact assessments of power plants. The percentage of publications on lake currents/circulation also has decreased, but interest in resuspension and the nepheloid layer has increased during the past 10 years.

In addition to indicating shifts in research interests over the years, our compilation of references also revealed changes in the total number of publications each year over time (figure 1). The graph shows a steady increase in the number of publications until the mid-1970s, then a plateau with a slight decrease in the last few years. However, the number of publications for 1987 (not shown in figure 1) increased to more than 250, so there is some year-to-year variation. The average now is about 200 to 300 publications per year. The number of publications in the early 1960s may actually be slightly higher than indicated in this figure because it was more difficult to compile papers from that time period. But the graph does show the surge in research on Lake Michigan that has occurred over the last 25 years.

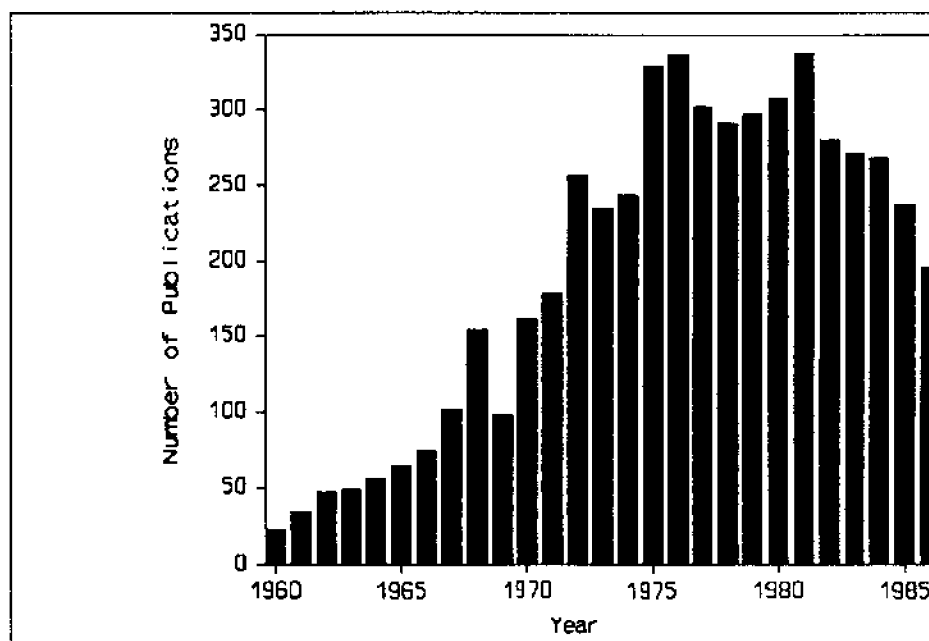


Figure 1. Number of research publications on Lake Michigan per year from 1960-86.

We hope that this bibliography will be useful to researchers and planners assessing past work and identifying research needs for future lake studies. The ISGS Lake Michigan Coast and Basin Studies Section would appreciate knowing about any errors that may have occurred in the references and any research publications that should have been included.

REFERENCES

1. Abu-Shumays, I. K. 1971. Waukegan Station Plume. Argonne National Laboratory, Appl. Mat. Div. Tech. Memo. TM-226. Argonne, Illinois.
2. Abu-Shumays, I. K.; Phillips, D. L.; Prastein, S. M. 1971. Thermal Plume Data Acquisition, Documentation and Initial Analysis. In: Proceedings 14th Conference Great Lakes Research, pp. 495-506. Internat. Assoc. Great Lakes Res.
3. Achrem, T. J. 1973. Water Quality Monitoring in the Chicago Case Study Area; A Report Prepared for the U.S. Environmental Protection Agency. Interstate Electronics Corp. Rep. No. 445-B7.
4. Ackermann, W. C. 1968. Implications of the Maris Report. In: Proceedings Great Lakes Water Resources Conf., June 24-26, 1968, Toronto, Ontario, pp. 343-360. Engin. Institute of Canada and Am. Soc. Civil Engin.
5. Ackermann, W. C. 1972. Water Transfers - Possible De-Eutrophication of the Great Lakes. In: A Symposium on the Beneficial Modifications of the Marine Environment, March 11, 1968, Washington, D.C., pp. 85-100. National Academy of Sciences, Washington, D.C.
6. Ackermann, W. C. 1975. The Future of Water Resources in Northeastern Illinois. J. Am. Water Works Assoc. 67(12): 691-693.
7. Ackermann, W. C.; Harneson, R. H.; Sinclair, R. A. 1970. Some Long-Term Trends in Water Quality of Rivers and Lakes. Trans. Am. Geophys. Union 51(6): 516-522.
8. Adams, C. E., Jr.; Smith, L. B., Jr. 1973. Petrographic and Chemical Properties of Great Lakes Ice. In: Proceedings 16th Conference Great Lakes Research, pp. 626-639. Internat. Assoc. Great Lakes Res.
9. Adams, M. S.; Stone, W. 1973. Field Studies on Photosynthesis of *Cladophora glomerata* (Chlorophyta) in Green Bay, Lake Michigan. Ecology 54(4): 853-862.
10. Addison, W. D.; Ryder, R. A. 1970. An Indexed Bibliography of North American Stizostedion (Pisces, Percidae) Species. Ontario Dept. Lands Forest Resour. Info. Paper (Fish.) No. 38.
11. Ahrnsbrak, W. F. 1971. A Diffusion Model for Green Bay, Lake Michigan. Ph.D. thesis. University of Wisconsin-Madison. 81 pp.; and Wisconsin Sea Grant Tech. Rep. No. WIS-SG-71-207. Madison, Wisconsin.
12. Ahrnsbrak, W. F.; Ragotzkie, R. A. 1970. Mixing Processes in Green Bay. In: Proceedings 13th Conference Great Lakes Research, Part 2, pp. 880-890. Internat. Assoc. Great Lakes Res.
13. Alberts, J. J.; Jehn, P. J.; Nelson, D. M.; Marshall, J. S.; Wahlgren, M. A. 1975. Effect of Municipal Treatment Processes on Plutonium-239,240 and Cesium-137. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 97-102. Argonne, Illinois.

14. Alberts, J. J.; Wahlgren, M. A.; Jehn, P. J.; Nelson, D. M.; Orlandini, K. A. 1975. The Chemical Speciation of Plutonium-239,240 and Cesium-137 in Lake Michigan Waters. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 89-96. Argonne, Illinois.
15. Alberts, J. J.; Wahlgren, M. A.; Muller, R. N.; Orlandini, K. A. 1975. The Association of Transuranic Elements with Lacustrine Sediments. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1975. ANL-75-60, Part III, pp. 36-40. Argonne, Illinois.
16. Alberts, J. J.; Wahlgren, M. A.; Nelson, D. M. 1975. Preliminary Investigations of the Chemical Speciation of Plutonium in Natural Waters of the Northeastern and Southeastern United States. In: Argonne National Laboratory, RER Div. Annual Report, Jan.- Dec., 1975. ANL-75-60, Part III, pp. 32-35. Argonne, Illinois.
17. Alberts, J. J.; Wahlgren, M. A.; Nelson, D. M. 1976. Distribution of Fallout Plutonium in the Waters of the Lower Great Lakes. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976. ANL-76-88, Part III, pp. 50-52. Argonne, Illinois.
18. Alberts, J. J.; Wahlgren, M. A.; Reeve, C. A.; Jehn, P. J. 1975. Sedimentary Plutonium-239,240 Phase Distribution in Lake Michigan Sediments. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III. pp. 103-112. Argonne, Illinois.
19. Alberty, A. C. R. 1966. Stabilization of the Great Lakes Combined with a Continental Water Service. ASME-EIC Fluids Engineering Conference, Denver, Colorado, 25-27 April, 1966. Engin. Institute of Canada. Montreal, Quebec.
20. Allen, H. E. 1973. Seasonal Variation of Nitrogen, Phosphorus, and Chlorophyll-a in Lake Michigan and Green Bay. U.S. Fish Wildl. Serv., Bureau Sport Fish. Wildl. Tech. Pap. No. 70.
21. Allender, J. H. 1976. Review and Appraisal of Numerical Circulation Models of Lake Michigan. Argonne National Laboratory Rep. No. ANL/WR-76-6. Argonne, Illinois.
22. Alley, W. P. 1968. Ecology of the Burrowing Amphipod *Pontoporeia affinis* in Lake Michigan. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 36. Ann Arbor, Michigan. 131 pp.; and Ph.D. thesis. University of Michigan. 146 pp.
23. Alley, W. P.; Anderson, R. F. 1968. Small-Scale Patterns of Spatial Distribution of the Lake Michigan Macrobenthos. In: Proceedings 11th Conference Great Lakes Research, pp. 1-10. Internat. Assoc. Great Lakes Res.
24. Alley, W. P.; Mozley, S. C. 1975. Seasonal Abundance and Spatial Distribution of Lake Michigan Macrobenthos, 1964-1967. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 54. Ann Arbor, Michigan. 103 pp.; and U.S. Environmental Protection Agency Rep. No. EPA-905/9-75-004.

25. Alley, W. P.; Powers, C. F. 1970. Dry Weight of the Macrobenthos as an Indicator of Eutrophication of the Great Lakes. In: Proceedings 13th Conference Great Lakes Research, Part 2, pp. 595-600. Internat. Assoc. Great Lakes Res.
26. Alstaetter, C. 1974. Periphyton Study. In: Industrial Bio-Test Laboratories. Operational Environmental Monitoring in Lake Michigan Near Zion Station, July 1973 through June 1974, Volume II, pp. 1-74. Industrial Bio-Test Laboratories Annual Report to Commonwealth Edison Co., Chicago, Illinois.
27. Amsterburg, R. J., Jr. 1973. Sand, Wind, and Grass: The Healing of a Dune. In: Geology and the Environment: Man, Earth, and Nature in Northwestern Lower Michigan, Michigan Basin Geological Society Annual Excursion, Background Papers, Man and Nature, pp. 69-70. Mich. Basin Geol. Soc., Lansing, Michigan.
28. Anchor, C. K.; Berg, R. C. 1976. Catalog of Aerial Photographs, Color Slides and Maps: The Lake Michigan Shore in Illinois. Ill. State Geol. Surv. Prepared for the Illinois Coastal Zone Manag. Prog. Champaign, Illinois. 8 pp.
29. Anchor, C. K.; Berg, R. C.; Drake, P. L.; Collinson, C. 1976. Catalog of 35 mm Colored Slides. The Lake Michigan Shore in Illinois. Ill. State Geol. Surv. Prepared for the Illinois Coastal Zone Manag. Prog. Champaign, Illinois. 50 pp.
30. Anderson, D. V. 1961. A Note on the Morphology of the Basins of the Great Lakes. J. Fish. Res. Board Can. 18(2): 273-277.
31. Anderson, D. W.; Hickey, J. J. 1976. Dynamics of Storage of Organochlorine Pollutants in Herring Gulls. Environ. Pollut. 10(3): 183-200.
32. Anderson, R. F. 1967. Preliminary Report on Biological Observations in Northern Lake Michigan Utilizing SCUBA. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 136-137. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
33. Andren, A. W.; Elzerman, A. W.; Armstrong, D. E. 1976. Chemical and Physical Aspects of Surface Organic Microlayers in Freshwater Lakes. J. Great Lakes Res. 2(Suppl. 1): 101-110.
34. Andrew, R. W.; Hodson, P. V.; Konasewich, D. E. (eds.). 1976. Toxicity to Biota of Metal Forms in Natural Water. Proceedings of a Workshop Held in Duluth, Minnesota, Oct. 7-8, 1975. International Joint Commission. Windsor, Ontario. 329 pp.
35. Anonymous. 1966. Report of Water Quality Criteria. Calumet Area-Lower Lake Michigan. NTIS Rep. No. PB-227 491/8. 38 pp.
36. Anonymous. 1967. Lake Michigan NAVOCEANO Flight, 17-21 October 1966. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 31. Ann Arbor, Michigan. 17 pp.

37. Anonymous. 1968. Report on Insecticides in Lake Michigan. NTIS Rep. No. PB-230 354/3. 47 pp.
38. Anonymous. 1968. Research Sub Dives in Lake Michigan. *Limnos* 1(1): 2-5.
39. Anonymous. 1971. Detailed Statement on the Environmental Considerations Related to the Proposed Issuance of an Operating License to the Consumers Power Company for the Palisades Plant. NTIS Rep. No. PB-198 991-F. 192 pp.
40. Anonymous. 1971. Alternate Disposal Area for Grand Haven Harbor, Michigan. NTIS Rep. No. PB-202 183-D. 16 pp.
41. Anonymous. 1971. Selenium in Plankton. *Mar. Pollut. Bull.* 2(5): 69.
42. Anonymous. 1971. Donald C. Cook Nuclear Plant, Units 1 and 2. Lake Michigan Environmental Survey. NTIS Rep. No. DOCKET-50315-40. 119 pp.
43. Anonymous. 1971. Wastewater Treatment Project, Muskegon County, Michigan. NTIS Rep. No. PB-200 348-F. 61 pp.
44. Anonymous. 1971. Detailed Statement on Environmental Considerations. Point Beach Nuclear Plant, Unit No. 2. Wisconsin. NTIS Rep. No. PB-199 157-F. 457 pp.
45. Anonymous. 1972. Kewaunee Nuclear Power Plant, Wisconsin Public Service Corporation. NTIS Rep. No. DOCKET 50-305. 358 pp.
46. Anonymous. 1972. Milwaukee Diked Disposal Area, Wisconsin. NTIS Rep. No. PB-208 655/D. 25 pp.
47. Anonymous. 1972. Proposed Illinois Beach Acquisition, Lake County, Illinois. NTIS Rep. No. EIS-IL-72-4658-D. ELR-4658, DES-72-63. 16 pp.
48. Anonymous. 1972. The Situation Lake by Lake - Part II. *Limnos* 5(2): 19-21.
49. Anonymous. 1972. The Situation Lake by Lake. *Limnos* 5(1): 19-23.
50. Anonymous. 1972. Lake Bluff Beach Erosion Control, Illinois. NTIS Rep. No. EIS-IL-0709-F. 113 pp.
51. Anonymous. 1972. Sample Complaint on Thermal Pollution Case. In: *Papers of a Seminar on Legal Control of the Environment, Held Aug.-Sept., 1972. Practicing Law Inst., Criminal Law and Urban Problems Course. Handbook Series No. 42, Order No. C4-3154, New York.*
52. Anonymous. 1973. Flood Control and Recreation on the Little Calumet River, Indiana. NTIS Rep. No. EIS-IN-73-1880-D. ELR-73-1880. 61 pp.
53. Anonymous. 1973. Proposed Illinois Beach Acquisition, Lake County, Illinois. Land and Water Conservation Fund Project No. 17-00178. NTIS Rep. No. EIS-IL-73-0146-F. ELR-0146, FES-73-3. 120 pp.

54. Anonymous. 1973. Kewaunee Nuclear Power Plant. Preoperational Thermal Monitoring Program of Lake Michigan, Second Annual Report, January-December 1972. NTIS Rep. No. DOCKET-50305-119. 574 pp.
55. Anonymous. 1973. Point Beach Nuclear Plant, Unit 2. Alternate Techniques to Reduce Discharges of Demineralizer Regenerant Waste to Lake Michigan. NTIS Rep. No. DOCKET-50301-100. 37 pp.
56. Anonymous. 1974. Confined Disposal Facility, Grand Haven Harbor, Ottawa County, Michigan. NTIS Rep. No. EIS-MI-74-0041-F. ELR-74-0041. 149 pp.
57. Anonymous. 1976. Seafarer Site Survey, Upper Michigan Region. Book 14. Surface Water Data. NTIS Rep. No. AD-A036 422/4SL. Contract No. NOOO39-75-C-0309. 64 pp.
58. Anonymous. 1976. Living with the Lake: A Guide to Illinois Lakeshore Management. NOAA Rep. No. NOAA-77071401; and Illinois Dept. of Transportation. Chicago, Illinois. 24 pp.
59. Applegate, V. C.; Howell, J. H.; Moffett, J. W.; Johnson, B. G. H.; Smith, M. A. 1961. Use of 3-trifluormethyl-4-nitrophenol as a Selective Sea Lamprey Larvicide. Great Lakes Fishery Comm. Tech. Rep. No. 1. Ann Arbor, Michigan. 35 pp.
60. Applegate, V. C.; Johnson, B. G. H.; Smith, M. A. 1966. The Relation Between Molecular Structure and Biological Activity Among Mononitrophenols Containing Halogens. In: Great Lakes Fishery Comm. Tech. Rep. No. 11, pp. 1-19. Ann Arbor, Michigan.
61. Arctic Institute of N. Am.; NOAA National Ocean Surv., Lake Surv. Center. 1971. Annotated Bibliography on Freshwater Ice. NOAA National Ocean Surv., Lake Surv. Center, NOAA Tech. Memo. No. NOS LSCR 2. Detroit, Michigan. 425 pp.
62. Argonne National Laboratory. 1969. Great Lakes Research Program. Argonne National Laboratory. Argonne, Illinois. 56 pp.
63. Argonne National Laboratory. 1970. Radiological Physics Division Annual Report. Argonne National Laboratory Rep. No. ANL-7760, Part III. Argonne, Illinois. 269 pp.
64. Argonne National Laboratory. 1972. Summary of Recent Technical Information Concerning Thermal Discharges into Lake Michigan. Argonne National Laboratory, Center for Environ. Studies and Environmental Statement Project. U.S. Environmental Protection Agency, Region V Contract Rep. No. 72-1. Chicago, Illinois. 125 pp.
65. Argonne National Laboratory. 1974. Radiological and Environmental Research Division Annual Report. Ecology. January-December 1974. Argonne National Laboratory, RER Div. Rep. No. ANL-75-3, Part III. Argonne, Illinois. 185 pp.

66. Arihood, L. D. 1975. Water Quality Assessment of the Indiana Dunes National Lakeshore, 1973-74. U.S. Geol. Surv. Water Resour. Invest. WRI 14-75. 56 pp.
67. Armour, J. A.; Burke, J. A. 1970. Method for Separating Polychlorinated Biphenyls from DDT and Its Analogs. J. Assoc. Official Analytical Chemists 53(4): 761-768.
68. Armstrong, D. E.; Lee, K. W.; Uttormark, P. D.; Keeney, D. R.; Harris, R. F. 1974. Pollution of the Great Lakes by Nutrients from Agricultural Land. Great Lakes Basin Commission. Ann Arbor, Michigan. 108 pp.
69. Armstrong, D. E.; Spyridakis, D. E.; Lee, G. F. 1969. Cycling of Nitrogen and Phosphorus in the Great Lakes. Amer. Chem. Soc. Div. Water, Air Waste Chem., Gen. Pap. 1969: 155-160.
70. Armstrong, J. M. 1971. Ecological Analysis for Management and Development of the Great Lakes of North America. In: Aménagement Industriel du Littoral, Collog. Int. Exploit. Oceans, Vol. 1(1), pp. G304.1-28.
71. Armstrong, J. M. 1972. Michigan Sea Grant Program and Coastal Zone Management in Michigan. In: Weimer, L., Burroughs, T., and Katzel, J. (eds.). Proceedings 4th National Sea Grant Conf., pp. 175-183. University of Wisconsin Sea Grant Program Public Info. Rep. No. WIS-SG-72-112. Madison, Wisconsin.
72. Armstrong, J. M. 1973. Model Zoning Ordinance for Michigan Shorelands. Michigan Sea Grant Program Rep. No. MICHU-SG-73-602. Ann Arbor, Michigan.
73. Armstrong, J. M. 1976. Low-Cost Shore Protection on the Great Lakes: A Demonstration/Research Project. In: Proceedings 15th Coastal Engineering Conf., July, 1976, pp. 2858-2887. Michigan Sea Grant Program Rep. No. MICHU-SG-78-300. Ann Arbor, Michigan.
74. Armstrong, J. M.; McFadden, J. T. 1970. Michigan Sea Grant. Limnos 3(2): 5-8.
75. Armstrong, J. M.; McGill, M. R.; Kubeck, A. M.; Barber, C. K.; Gillette, J. F. 1976. Great Lakes Shoreline Damage Survey, Appendix III: Muskegon, Manistee, Schoolcraft, Chippewa, Alcona, and Huron Counties, Michigan. University of Michigan, Coastal Zone Laboratory, DACW 23-75-C-0027. Ann Arbor, Michigan. 306 pp.
76. Arnold, D. E. 1970. Thermal Pollution, Nuclear Power, and the Great Lakes. Limnos 3(1): 3-12.
77. Arnold, V. L. 1970. The Economics of Quantity vs. Quality in Green Bay. In: Proceedings 13th Conference Great Lakes Research, Part 1, pp. 141-144. Internat. Assoc. Great Lakes Res.

78. Arrizabalaga, F. 1974. A Finite Element Lake Model with Variable Eddy Viscosity Coefficient. Master's thesis. University of Wisconsin-Milwaukee.
79. Asbury, J. G. 1970. Effects of Thermal Discharges on the Mass/Energy Balance of Lake Michigan. Argonne National Laboratory, Center for Environ. Studies Rep. No. ANL/ES-1. Argonne, Illinois. 24 pp.
80. Asbury, J. G.; Frigo, A. A. 1971. A Phenomenological Relationship for Predicting the Surface Areas of Thermal Plumes in Lakes. Argonne National Laboratory Rep. No. ANL/ES-5. Argonne, Illinois.
81. Asbury, J. G.; Grench, R. E.; Nelson, D. M.; Prepejchal, W.; Romberg, G. P.; Siebold, P. 1971. A Photographic Method for Determining Velocity Distributions within Thermal Plumes. Argonne National Laboratory Rep. No. ANL/ES-4. Argonne, Illinois.
82. Assel, R. A. 1972. Great Lakes Ice Cover, Winter 1971-72. NOAA Tech. Memo. NOS-LSC-D-6. 11 pp.
83. Assel, R. A. 1972. Great Lakes Ice Cover, Winter 1970-71. NOAA Tech. Memo. NOS-LSC-D-4. 9 pp.
84. Assel, R. A. 1974. Great Lakes Ice Cover, Winter 1973-74. NOAA Tech. Rep. ERL 325-GLERL-1. Great Lakes Environmental Research Lab. Ann Arbor, Michigan. 52 pp.
85. Assel, R. A. 1974. Great Lakes Ice Cover, Winter 1972-73. NOAA Tech. Memo. NOS-LSC-D-7. NOAA National Oceanic Surv., Lake Surv. Center. Detroit, Michigan. 14 pp.
86. Assel, R. A. 1976. Great Lakes Ice Thickness Prediction. J. Great Lakes Res. 2(2): 248-255.
87. Aubert, E. J. 1975. The Energy-Related Great Lakes Research Program of the Department of Commerce. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 480-492. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
88. Aubert, E. J. 1975. Great Lakes Environmental Research Lab Annual Report Fiscal Year 1975. NOAA Great Lakes Environmental Research Lab. Ann Arbor, Michigan.
89. Aubert, E. J. 1976. Great Lakes Environmental Research Lab Annual Report Fiscal Year 1976. NOAA Great Lakes Environmental Research Lab. Ann Arbor, Michigan.
90. Aubert, E. J.; Allen, H. E.; Roseborough, J. D.; Watson, A. E. P. 1976. Great Lakes Water Quality Research Needs, 1976. International Joint Commission. Windsor, Ontario. 121 pp.

91. Auer, M. T.; Canale, R. P.; Freedman, P. L. 1976. Grand Traverse Bay Limnological Data. Michigan Sea Grant Program Rep. No. MICHU-SG-76-201. Ann Arbor, Michigan. 87 pp.
92. Auer, M. T.; Canale, R. P.; Freedman, P. L. 1976. The Limnology of Grand Traverse Bay, Lake Michigan. Michigan Sea Grant Program Rep. No. MICHU-SG-076-200. Ann Arbor, Michigan. 244 pp.
93. Aulerich, R. J.; Ringer, R. K.; Youatt, W. G. 1971. Effects of Feeding Coho Salmon and Other Great Lakes Fish on Mink Reproduction. Can. J. Zool. 49: 611-616.
94. Avery, E. L. 1974. Reproduction and Recruitment of Anadromous Salmonids in Wisconsin Tributaries of Lake Michigan. Wisconsin Dept. Nat. Resour., Dingell-Johnson Project F-83-R, Final Report, Study No. 108. 32 pp.
95. Ayer, F. A. (compiler). 1976. National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, Illinois. U.S. Environmental Protection Agency Rep. No. EPA-560/6-75-004. Washington, D.C. 487 pp.
96. Ayers, J. C. 1960. Status and Programs--University of Michigan, Great Lakes Research Institute. In: Proceedings 3rd Conference Great Lakes Research, pp. 61-74. University of Michigan, Great Lakes Res. Div., Pub. No. 4. Ann Arbor, Michigan.
97. Ayers, J. C. 1962. Great Lakes Waters, Their Circulation and Physical and Chemical Characteristics. In: Pincus, H. J. (ed.). Great Lakes Basin, pp. 71-89. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
98. Ayers, J. C. 1963. Studies on Water Movements and Sediments in Southern Lake Michigan, Part 1. Water-Volume Transports Across the Mid-Lake Sill, and Current Structure Over the Sill. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 19. Ann Arbor, Michigan. 65 pp.
99. Ayers, J. C. 1965. The Climatology of Lake Michigan. University of Michigan, Great Lakes Res. Div., Pub. No. 12. Ann Arbor, Michigan. 73 pp.
100. Ayers, J. C. 1967. Internal Distribution of Analysis Values as an Indicator of Eutrophication. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 395-411. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30, Ann Arbor, Michigan.
101. Ayers, J. C. 1967. The Surficial Bottom Sediments of Lake Michigan. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 247-253. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.

102. Ayers, J. C. 1970. The Eutrophication of Lake Michigan. In: Eutrophication in Large Lakes and Impoundments, UPPSALA Symposium, Sweden, pp. 399-408. Organization for Econ. Cooperation and Development. Paris, France.
103. Ayers, J. C. 1974. Psammon as Food for Lake Michigan Shorebirds. In: Seibel, E., and Ayers, J. C. (eds.). The Biological, Chemical, and Physical Character of Lake Michigan in the Vicinity of the Donald C. Cook Nuclear Plant, pp. 207-210. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 51. Ann Arbor, Michigan.
104. Ayers, J. C. 1975. Benton Harbor Power Plant Limnological Studies, Part XXI. Bacteria and Phytoplankton of the Seasonal Surveys of 1972 and 1973. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 153 pp.
105. Ayers, J. C. 1975. The Phytoplankton of the Cook Plant Monthly Minimal Surveys During the Preoperational Years 1972, 1973, and 1974. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 59. Ann Arbor, Michigan. 55 pp.
106. Ayers, J. C. (ed.). 1970. Lake Michigan Environmental Survey. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 49. Ann Arbor, Michigan. 97 pp.
107. Ayers, J. C.; Anderson, R. F.; O'Hara, N. W.; Kidd, C. C. 1970. Benton Harbor Power Plant Limnological Studies, Part IV. Cook Plant Preoperational Studies 1969. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 92 pp.
108. Ayers, J. C.; Arnold, D. E.; Anderson, R. F.; Soo, H. K. 1971. Benton Harbor Power Plant Limnological Studies, Part VII. Cook Plant Preoperational Studies 1970. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 85 pp.
109. Ayers, J. C.; Bellaire, F. R. 1964. Studies on Water Movements and Sediments in Southern Lake Michigan, Part 3. Current Studies and Supplemental Sediment Studies. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 19. Ann Arbor, Michigan. 47 pp.
110. Ayers, J. C.; Chandler, D. C. (eds.). 1967. Studies on the Environment and Eutrophication of Lake Michigan. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan. 415 pp.
111. Ayers, J. C.; Hough, J. L. 1964. Studies on Water Movements and Sediments in Southern Lake Michigan, Part 2. The Surficial Bottom Sediments in 1962-1963. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 19. Ann Arbor, Michigan. 34 pp.
112. Ayers, J. C.; Huang, J. C. K. 1967. Benton Harbor Power Plant Limnological Studies, Part I. General Studies. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 31 pp.

113. Ayers, J. C.; Huang, J. C. K. 1967. Studies of Milwaukee Harbor and Embayment. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 372-394. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
114. Ayers, J. C.; Kerrigan, J. E. 1968. Preliminary Research Design for the Water-Quality Subsystem of the Great Lakes Region. In: Analysis of Water and Water Related Research Requirements in the Great Lakes Region, Appendix F, pp. 87-96. U.S. Dept. of the Interior, Office of Water Resour. Res. Washington, D.C.
115. Ayers, J. C.; Kopczynska, E. E. 1974. The Phytoplankton of 1973. In: Seibel, E. and Ayers, J. C. (eds.). The Biological, Chemical, and Physical Character of Lake Michigan in the Vicinity of the Donald C. Cook Nuclear Plant, pp. 139-174. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 51. Ann Arbor, Michigan.
116. Ayers, J. C.; Mozley, S. C.; Roth, J. C. 1973. Benton Harbor Power Plant Limnological Studies, Part XV. The Biological Survey of 12 November 1970. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 69 pp.
117. Ayers, J. C.; Mozley, S. C.; Stewart, J. A. 1974. Benton Harbor Power Plant Limnological Studies, Part XIX. The Seasonal Biological Surveys of 1971. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 181 pp.
118. Ayers, J. C.; Noble, V. E.; Powers, C. F.; French, W. E. 1961. Big Rock Nuclear Power Plant Hydrological Survey. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 9. 39 pp.
119. Ayers, J. C.; O'Hara, N. W.; Yocum, W. L. 1971. Benton Harbor Power Plant Limnological Studies, Part VIII. Winter Operations. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 41 pp.
120. Ayers, J. C.; Rossmann, R. 1967. The Grand River and Its Plume in Lake Michigan. In: Ayers, J. C. and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 366-371. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
121. Ayers, J. C.; Seibel, E. 1973. Benton Harbor Power Plant Limnological Studies, Part XIII. Cook Plant Preoperational Studies 1972. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 281 pp.
122. Ayers, J. C.; Seibel, E. (eds.). 1973. Benton Harbor Power Plant Limnological Studies, Part XVII. Program of Aquatic Studies Related to the Donald C. Cook Nuclear Plant. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 57 pp.

123. Ayers, J. C.; Soo, H. K.; Yocum, W. L. 1972. Benton Harbor Power Plant Limnological Studies, Part X. Cook Plant Preoperational Studies 1971. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 152 pp.
124. Ayers, J. C.; Stoermer, E. F.; McWilliam, P. 1967. Recently Noticed Changes in the Biology-Chemistry of Lake Michigan. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 95-111. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
125. Ayers, J. C.; Strong, A. E.; Powers, C. F.; Rossmann, R. 1967. Benton Harbor Power Plant Limnological Studies. Part II. Studies of Local Winds and Alongshore Currents. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 45 pp.
126. Ayers, J. C.; Yocum, W. L. 1972. Benton Harbor Power Plant Limnological Studies, Part XI. Winter Operations 1971-1972. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 26 pp.
127. Ayers, J. C.; Yocum, W. L.; Seibel, E. 1973. Benton Harbor Power Plant Limnological Studies, Part XIV. Winter Operations 1972-1973. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 22 pp.
128. Ayers, J. C.; Yocum, W. L.; Soo, H. K.; Bottrell, T. W.; Mozley, S. C.; Garcia, L. C. 1971. Benton Harbor Power Plant Limnological Studies. Part IX. The Biological Survey of 10 July 1970. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 72 pp.
129. Bails, J.; Hassinger, R.; Parker, C.; Poff, R. J.; McLain, A. L. 1971. The Role of Dams in an Integrated Sea Lamprey Control Program in the U.S. Waters of the Great Lakes. Great Lakes Fishery Comm. Interim Meeting, Appendix XX. Ann Arbor, Michigan.
130. Bajorunas, L. 1961. Littoral Transport in the Great Lakes. In: Johnson, J. W. (ed.). Proceedings 7th Conference Coastal Engin., pp. 326-341. University of California, Council on Wave Res.
131. Bajorunas, L. 1963. Natural Regulation of the Great Lakes. In: Proceedings 6th Conference Great Lakes Research, pp. 183-190. University of Michigan, Great Lakes Res. Div., Pub. No. 10. Ann Arbor, Michigan.
132. Baker, D. G. 1976. The Mesoscale Temperature and Dew Point Fields of a Very Cold Air Flow Across the Great Lakes. Mon. Weather Rev. 104: 860-867.
133. Baker, D. G.; Baker-Blocker, A.; DeWitt, B. H.; Dixon, D. W. 1976. Objective Prediction of Ice Formation, Freeze-Up and Breakup on the Great Lakes. J. Appl. Meteorol. 15: 1033-1040.

134. Baker, D. G.; Ryznar, E. 1973. Meteorological Study of Power Plant Thermal Discharges, First Annual Progress Report. University of Michigan, Dept. Atmos. Oceanic Science, DRDA Project 320157. Ann Arbor, Michigan. 42 pp.
135. Baker, D. G.; Ryznar, E. 1975. An Investigation of the Meteorological Impact of a Once-Through Cooling System at the Donald C. Cook Nuclear Plant, Second Annual Progress Report. University of Michigan, Dept. Atmos. Oceanic Science, DRDA Project 320157. Ann Arbor, Michigan.
136. Baker, D. G.; Ryznar, E. 1976. Coastal Meteorology in the Vicinity of the Donald C. Cook Nuclear Plant: A Preliminary Analysis. University of Michigan, Dept. Atmos. Oceanic Science, DRDA Project 320157. Ann Arbor, Michigan. 68 pp.
137. Baker, J. L.; Tiffany, O. L. 1968. Using Satellites to Survey Great Lakes Ice and Snow. *Limnos* 1(4): 12-16.
138. Baker-Blocker, A.; Callender, E.; Josephson, P. D. 1975. Trace-Element and Organic Carbon Content of Surface Sediment from Grand Traverse Bay, Lake Michigan. *Geol. Soc. Am. Bull.* 86: 1358-1362.
139. Balch, L. 1972. Lake Michigan Summary/Fall of '71. *Audubon Bull.* 162: 19-20.
140. Baldwin, N. S. 1968. Sea Lamprey in the Great Lakes. *Limnos* 1(3): 20-27.
141. Baldwin, N. S.; Saalfeld, R. W. 1962. Commercial Fish Production in the Great Lakes 1867-1960. Great Lakes Fishery Comm. Tech. Rep. No. 3. Ann Arbor, Michigan. 166 pp.
142. Baldwin, N. S.; Saalfeld, R. W. 1970. Commercial Fish Production in the Great Lakes-Supplement Covering the Years 1961-1968. Great Lakes Fishery Comm. Tech. Rep. No. 3 (Suppl.). Ann Arbor, Michigan. 90 pp.
143. Balfe, M.; Heilmann, R. L.; Wendling, W. R. 1976. Statistical Limitations of "Domestic and International Transportation of United States Foreign Trade: 1970" (Public Use Tapes) with Special Reference to the United States Great Lakes Region. *J. Great Lakes Res.* 2(1): 20-26.
144. Ballert, A. G. 1961. The Seaway Era Begins: Great Lakes Overseas Trade and Shipping. In: *Proceedings 4th Conference Great Lakes Research*, pp. 177-181. University of Michigan, Great Lakes Res. Div., Pub. No. 7. Ann Arbor, Michigan.
145. Barbalas, L. X. 1973. Great Lakes Research Project Forecasts Directory 1973. NOAA Tech. Memo. NOS-LSC-D-5. 280 pp.
146. Barker, J. M. 1972. Changes in the Total Energy Content of *Mysis relicta* Loven During Its Vertical Migration. Master's thesis. University of Wisconsin-Milwaukee. 87 pp.

147. Barker, J. M. 1973. Changes in the Total Energy Content of *Mysis relicta* Loven During Its Vertical Migration. In: Proceedings 16th Conference Great Lakes Research, pp. 1-6. Internat. Assoc. Great Lakes Res.
148. Barko, J. W. 1975. Primary Production and Ecosystem Metabolism in a Lake Michigan Dune Pond. Ph.D. thesis. Michigan State University. 106 pp.
149. Barron, M. A. 1976. Concentration and Distributive Behavior of Cadmium and Other Selected Heavy Metals in Sediments of Southern Lake Michigan. Ph.D. thesis. University of Michigan. 297 pp.
150. Barrow, J. H., Jr. 1965. Observations on *Minchinia pickfordae* found in Snails of the Great Lakes Region. Trans. Amer. Microsc. Soc. 84(4): 587-593.
151. Barton, C. D. 1971. Sediment Oxygen Demand as a Trophic Indicator in Several Inland Wisconsin Lakes, Green Bay, and Lake Michigan Proper. Master's thesis. University of Wisconsin-Milwaukee. 50 pp.
152. Bartsch, A. F. 1968. Eutrophication is Beginning in Lake Michigan. Water Waste Engin. 5(9): 84-87.
153. Bartsch, A. F.; Frank, C. L.; Peterson, S. 1974. Great Lakes Water Quality - Status of Pertinent EPA Research. U.S. Environmental Protection Agency Rep. No. EPA-660/0-74-002. Corvallis, Oregon. 16 pp.
154. Bartsch, A. F.; Powers, C. F. 1969. Changes in the Great Lakes and Present Status. Amer. Chem. Soc. Div. Waste, Air Waste Chem., Gen. Pap. 1969: 144-147.
155. Basch, R. E. 1968. Age, Growth, and Food Habits of the Spottail Shiner, *Notropis hudsonius* (Clinton), in Little Bay de Noc, Lake Michigan. Master's thesis. Michigan State University. 42 pp.
156. Bates, F. W. 1972. The Undulating Temperature/Depth Profiling System and Its Use on Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee.
157. Batha, J. V. 1974. The Distribution and Ecology of the Genus *Hydra* in the Milwaukee Area of Lake Michigan. Ph.D. thesis. University of Wisconsin-Madison. 183 pp.
158. Bauer Engineering, Inc. 1974. How to Bottle Rainstorms. Chicago Sanitary District Report. Chicago, Illinois.
159. Bauer, W. M. 1968. Studies on Human Dermatophyte Fungi in Public Beach Sand. Master's thesis. University of Wisconsin-Milwaukee. 12 pp.
160. Baumgart, J.; Schultz, P. T. 1975. Lake Michigan Commercial Chub Fishery. NOAA Rep. No. NOAA-76051403, and NTIS Rep. No. PB-256 223/9SL. 36 pp.

161. Bay-Lake Regional Planning Commission. 1975. Brown, Oconto, and Marinette County, Wisconsin, Shoreline of Green Bay. Park Aerial Surveys, Inc. Louisville, Kentucky.
162. Bayer, K. 1973. Systematic Study of Long Term Coastal Interference with Lake and Atmospheric Processes. University of Wisconsin-Milwaukee.
163. Beak Consultants, Inc. 1973. Evaluation of Preoperational Biological Conditions of Lake Michigan in the Vicinity of the Palisades Nuclear Plant. Consumers Power Co. Report. Jackson, Michigan. 51 pp.
164. Beak Consultants, Inc. 1973. Evaluation of the First Post-Operational Year Biological Conditions of Lake Michigan in the Vicinity of the Palisades Nuclear Plant, 1972. Consumers Power Co. Jackson, Michigan. 22 pp.
165. Beane, M.; Ross, J. E. 1974. The Role of Technical Information in Decisions on Nuclear Power Plants. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-75-225. Madison, Wisconsin. 154 pp.
166. Becker, G. C. 1976. Environmental Status of the Lake Michigan Region, Vol. 17. Inland Fishes of the Lake Michigan Drainage Basin. Argonne National Laboratory Rep. No. ANL/ES-40, Vol. 17. Argonne, Illinois. 237 pp.
167. Beer, L. P. 1969. Environmental Effects of Condenser Water Discharge in Southwest Lake Michigan. In: Proceedings 12th Conference Great Lakes Research, pp. 504-512. Internat. Assoc. Great Lakes Res.
168. Beer, L. P. 1971. Natural and Unnatural Water Temperatures in Zion-Waukegan, Illinois Area of Southwest Lake Michigan. In: Proceedings 14th Conference Great Lakes Research, pp. 507-521. Internat. Assoc. Great Lakes Res.
169. Beer, L. P.; Pipes, W. O. 1968. A Practical Approach: Environmental Effects of Condenser Water Discharge in Southwestern Lake Michigan. Commonwealth Edison Co. Report. 106 pp.
170. Beer, L. P.; Pipes, W. O. 1969. A Practical Approach to the Environmental Effects of Thermal Discharges. In: Proceedings 24th Industrial Waste Conference, pp. 724-744.
171. Beeton, A. M. 1960. The Vertical Migration of *Mysis relicta* in Lakes Huron and Michigan. J. Fish. Res. Board Can. 17(4): 517-539.
172. Beeton, A. M. 1960. Great Lakes Limnological Investigations. In: Proceedings 3rd Conference Great Lakes Research, pp. 123-128. University of Michigan, Great Lakes Res. Div., Pub. No. 4. Ann Arbor, Michigan.
173. Beeton, A. M. 1962. Light Penetration in the Great Lakes. In: Proceedings 5th Conference Great Lakes Research, pp. 69-76. University of Michigan, Great Lakes Res. Div., Pub. No. 9. Ann Arbor, Michigan.

174. Beeton, A. M. 1965. Eutrophication of the St. Lawrence Great Lakes. *Limnol. Oceanogr.* 10: 240-254.
175. Beeton, A. M. 1966. Indices of Great Lakes Eutrophication. In: *Proceedings 9th Conference Great Lakes Research*, pp. 1-8. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.
176. Beeton, A. M. 1969. Changes in the Environment and Biota of the Great Lakes. In: *Eutrophication: Causes, Consequences, and Correctives, Proceedings of a Symposium*, pp. 150-187. National Academy of Sciences. Washington, D.C.
177. Beeton, A. M. 1969. The Laurentian Great Lakes. *Amer. Chem. Soc. Div. Water, Air Waste Chem., Gen. Pap.* 1969: 142-143.
178. Beeton, A. M. 1970. Statement on Pollution and Eutrophication of the Great Lakes. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 11. Milwaukee, Wisconsin. 35 pp.
179. Beeton, A. M. 1973. Man's Effects on the Great Lakes. In: *Environmental Quality and Water Development*, Ch. 14, pp. 250-280. W.H. Freeman and Co., San Francisco, California.
180. Beeton, A. M. 1973. Eutrophication Problems in the St. Lawrence Great Lakes. In: Chow, V. T., Csallany, S. C., Krizek, R. J., and Preul, H. C. (eds.). *Water for the Human Environment, Proceedings of the First World Congress on Water Resources*, Vol. 3, Technical Sessions, pp. 27-39. Int. Water Resour. Assoc., Champaign, Illinois.
181. Beeton, A. M.; Barker, J. M. 1974. Investigation of the Influence of Thermal Discharge From a Large Electric Power Station on the Biology and Nearshore Circulation of Lake Michigan -- Part A: Biology. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 18. Milwaukee, Wisconsin. 140 pp.
182. Beeton, A. M.; Chandler, D. C. 1963. The St. Lawrence Great Lakes. In: Frey, D. G. (ed.). *Limnology of North America*, pp. 535-558. University of Wisconsin Press. Madison, Wisconsin.
183. Beeton, A. M.; Clarke, W. D. 1974. Mysis Bibliography. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 16. Milwaukee, Wisconsin. 145 pp.
184. Beeton, A. M.; Edmondson, W. T. 1972. The Eutrophication Problem. *J. Fish. Res. Board Can.* 29(6): 673-682.
185. Beeton, A. M.; Kovacic, P. K.; Brooks, A. S. 1976. Effects of Chlorine and Sulfite Reduction on Lake Michigan Invertebrates. U.S. Environmental Protection Agency, Environmental Research Lab., Rep. No. EPA-600/3-76-036. Duluth, Minnesota. 132 pp.
186. Beeton, A. M.; Moffett, J. W. 1964. Lake Michigan Chemical Data, 1954-1955, 1960-1961. U.S. Fish Wildl. Serv. Data Rep. No. 6. 102 pp.

187. Beeton, A. M.; Mraz, D. F. 1969. Planning Principles for Water Use in Wisconsin. III. Great Lakes. Soil Conservation Soc. Amer., Wisc. Chapter, Madison: 36-49.
188. Beeton, A. M.; Rosenberg, H. B. 1968. Studies and Research Needed in Regulation of the Great Lakes. In: Proceedings Water Regulation Conf., pp. 311-342. Am. Soc. Civil Engin. and Engin. Institute of Canada Paper No. R-5. Toronto, Ontario.
189. Beeton, A. M.; Strand, J. W. 1975. Sources of Water Quality, Lake Level, Ice, Water Temperature and Meteorological Data for the St. Lawrence Great Lakes. University of Wisconsin Sea Grant Program Advisory Rep. No. WIS-SG-75-410. University of Wisconsin-Milwaukee, Center for Great Lakes Studies. 189 pp.
190. Beeton, A. M.; Torke, B. G.; Brooks, A. S.; Bowers, J. A. 1975. Influence of Energy-Related Effluents on Great Lakes Zooplankton. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 432-437. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
191. Bellaire, F. R. 1963. Relation of Winds, Water Levels and Water Temperatures to Currents in Lower Lake Michigan. In: Proceedings 6th Conference Great Lakes Research, pp. 219-230. University of Michigan, Great Lakes Res. Div., Pub. No. 10. Ann Arbor, Michigan.
192. Bellaire, F. R. 1964. A Comparison of Methods of Current Determination. In: Proceedings 7th Conference Great Lakes Research, pp. 171-178. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
193. Bellaire, F. R. 1965. The Modification of Warm Air Moving Over Cold Water. In: Proceedings 8th Conference Great Lakes Research, pp. 249-256. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
194. Bellaire, F. R.; Ayers, J. C. 1967. Current Patterns and Lake Slope. In: Proceedings 10th Conference Great Lakes Research, pp. 251-263. Internat. Assoc. Great Lakes Res.
195. Benda, R. S.; Gulvas, J. A. 1976. Effects of the Palisades Nuclear Power Plant on Lake Michigan. In: Esch, G. W., and McFarlane, R. W. (eds.). Thermal Ecology II, Proceedings Symposium, April 2-5, 1975, Augusta, Georgia, pp. 243-250. Energy Res. and Development Admin. Washington, D.C.
196. Benda, R. S.; Gulvas, J. A.; Neal, T. 1975. Effect of Power Plant Passage on Algal Primary Productivity. Proc. Indiana Acad. Sci. 84: 85-88.
197. Benda, R. S.; John, M.; Gulvas, J. A. 1976. Comparison of Fish Impingement at the Palisades Nuclear Power Plant for Once-Through and Closed Cycle Cooling. Proc. Indiana Acad. Sci. 85: 155-160.

198. Benedict, B. A.; Motz, L. H.; Yandell, E. L., Jr. 1973. Use of Heated Surface Jet Model for Lake Michigan Analysis. *J. Water Pollut. Control Fed.* 45(2): 353-358.
199. Bennett, J. R. 1971. Thermally Driven Lake Currents During the Spring and Fall Transition Periods. In: *Proceedings 14th Conference Great Lakes Research*, pp. 535-544. Internat. Assoc. Great Lakes Res.
200. Bennett, J. R. 1973. A Theory of Large-Amplitude Kelvin Waves. *J. Phys. Oceanogr.* 3(1): 57-60.
201. Bennett, J. R. 1973. On the Dynamics of Wind-Driven Lake Currents. University of Wisconsin, Marine Studies Center, Contr. No. 15. Madison, Wisconsin.
202. Bennett, J. R. 1974. On the Dynamics of Wind-Driven Lake Currents. *J. Phys. Oceanogr.* 4: 400-414.
203. Berg, R. C.; Collinson, C. 1976. Bluff Erosion, Recession Rates, and Volumetric Losses on the Lake Michigan Shore in Illinois. Ill. State Geol. Surv. Environ. Geol. Notes 76. Champaign, Illinois. 33 pp.
204. Bergstrom, R. E.; Hanson, G. F. 1962. Ground-Water Supplies in Wisconsin and Illinois Adjacent to Lake Michigan. In: Pincus, H. J. (ed.). *Great Lakes Basin*, pp. 251-268. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
205. Berkson, J. M.; Lineback, J. A.; Gross, D. L. 1975. A Side-Scan Sonar Investigation of Small-Scale Features on the Floor of Southern Lake Michigan. Ill. State Geol. Surv. Environ. Geol. Notes 74. 18 pp.
206. Berry, A. E. 1963. Pollution Aspects of the Great Lakes System. *Am. Chem. Soc., Div. Waste Water Chem., Preprints 1963*: 51-54.
207. Bertrand, G.; Lang, J.; Ross, J. E. 1975. A Summary of Land and Water Use Trends and Related Research Needs in the Green Bay Region. University of Wisconsin Sea Grant Program, Advisory Rep. No. WIS-SG-75-412. Madison, Wisconsin. 14 pp.
208. Bertrand, G.; Lang, J.; Ross, J. E. 1976. The Green Bay Watershed, Past/Present/Future. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-76-229. Madison, Wisconsin. 300 pp.
209. Beyerle, G. B. 1974. Summary of Attempts to Raise Walleye Fry and Fingerlings on Artificial Diets, with Suggestions on Needed Research and Procedures to Be Used in Future Tests. Michigan Dept. Nat. Resour., Fish. Div. Mimeo. Rep. 7 pp.
210. Bilder, R. B. 1972. Controlling Great Lakes Pollution: A Study in United States-Canadian Environmental Cooperation. *Michigan Law Review* 70: 469-556; and University of Wisconsin Sea Grant Program Reprint No. WIS-SG-72-325. Madison, Wisconsin.

211. Billy, T. J.; Daniels, S. L.; Kempe, L. L.; Beeton, A. M. 1965. Field Application of Methods for Recovery of the Selective Lampricide, 3-Trifluoromethyl-4-Nitrophenol. In: Proceedings 8th Conference Great Lakes Research, pp. 17-24. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
212. Binkowski, F. P. 1975. The Effects of Temperature on the Oxygen Consumption of the Freshwater Alewife *Alosa pseudoharengus* (Wilson). Master's thesis. University of Wisconsin-Milwaukee. 99 pp.
213. Birchfield, G. E. 1969. Response of a Circular Model Great Lake to a Suddenly Imposed Wind Stress. *J. Geophys. Res.* 74(23): 5547-5554.
214. Birchfield, G. E.; Davidson, D. R. 1967. A Case Study of Coastal Currents in Lake Michigan. In: Proceedings 10th Conference Great Lakes Research, pp. 264-273. Internat. Assoc. Great Lakes Res.
215. Birchfield, G. E.; Murty, T. S. 1974. A Numerical Model for Wind-Driven Circulation in Lakes Michigan and Huron. *Mon. Weather Rev.* 102: 157-165.
216. Birchfield, G. E.; Noble, V. E. 1969. Statistical Analysis of Currents at Two Near-By Stations in Lake Michigan, Summer, 1967. In: Proceedings 12th Conference Great Lakes Research, pp. 529-539. Internat. Assoc. Great Lakes Res.
217. Black, R. F. 1974. Late Pleistocene Shorelines and Stratigraphic Relations in the Lake Michigan Basin: Discussion. *Geol. Soc. Am. Bull.* 85: 659-660.
218. Blakkan, B. D. 1963. A Freshwater Geomagnetic Electrokinetograph. In: Proceedings 6th Conference Great Lakes Research, pp. 43-50. University of Michigan, Great Lakes Res. Div., Pub. No. 10. Ann Arbor, Michigan.
219. Blakkan, B. D. 1963. Development of a Freshwater Geomagnetic Electrokinetograph. Master's thesis. University of Michigan. 49 pp.
220. Bland, J. K.; Bardack, D. 1973. A Pleistocene Pike, *Esox lucius*, from the Southern End of Lake Michigan. *Am. Midl. Nat.* 89(1): 138-144.
221. Blanton-Hagman, B. 1976. An Analysis of Great Lakes Ice Cover From Satellite Imagery. NOAA Tech. Memo. ERL GLERL-9. Great Lakes Environmental Research Lab. Ann Arbor, Michigan. 11 pp.
- 222a. Blanton-Hagman, B. 1976. On the Use of Microwave Radiation for Great Lakes Ice Surveillance. NOAA Tech. Memo. ERL GLERL-13. Great Lakes Environmental Research Lab. Ann Arbor, Michigan. 11 pp.
- 222b. Bleck Engineering Co., Inc. 1975. Inventory and Evaluation of Lake Michigan Shoreline Protective Devices in the Village of Lake Bluff, Illinois. Illinois Dept. of Transportation, Div. of Water Resour. Chicago, Illinois. 23 pp.

223. Bligh, E. G. 1971. Environmental Factors Affecting the Utilization of Great Lakes Fish as Human Food. *Limnos* 4: 13-18.
224. Blum, F. 1970. Another View of the Lake Airport. *Limnos* 3(2): 21-27.
225. Blust, F.; DeCooke, B. G. 1960. Comparison of Precipitation on Islands of Lake Michigan with Precipitation on the Perimeter of the Lake. *J. Geophys. Res.* 65: 1565-1572.
226. Bolsenga, S. J. 1967. Great Lakes Snow Depth Probability Charts and Tables. U.S. Army Corps of Engineers, U.S. Lake Survey Res. Rep. 5-2. Detroit, Michigan. 43 pp.
227. Bolsenga, S. J. 1967. Snow Depth Probability in the Great Lakes Basin. In: *Proceedings 10th Conference Great Lakes Research*, pp. 162-170. Internat. Assoc. Great Lakes Res.
228. Bolsenga, S. J. 1967. Total Atmospheric Water Vapor Aloft Over the Great Lakes Basin. U.S. Army Corps of Engineers, U.S. Lake Survey, Res. Rep. 5-3. 16 pp.
229. Bolsenga, S. J. 1968. Great Lakes Solar Altitude Charts and Tables. U.S. Army Corps of Engineers, U.S. Lake Survey Res. Rep. 5-4. Detroit, Michigan.
230. Bolsenga, S. J. 1968. Ice Albedo in the Great Lakes. U.S. Army Corps of Engineers, U.S. Lake Survey Bulletin 68-1. 6 pp.
231. Bolsenga, S. J. 1969. Total Albedo of Great Lakes Ice. *Water Resour. Res.* 5: 1132-1133.
232. Boone, H. E. 1968. Cytotaxonomic Studies of the Coregonine Fishes of the Great Lakes, USA: DNA and Karyotype Analysis. *J. Fish. Res. Board Can.* 25(8): 1667-1687; and Ph.D. thesis. University of Michigan. 43 pp.
233. Boreman, J. (ed.). 1976. Great Lakes Fish Egg and Larvae Identification: Proceedings of a Workshop. U.S. Fish Wildl. Serv., National Power Plant Team Rep No. FWS/OBS-76. Ann Arbor, Michigan. 217 pp.
234. Borgeson, D. P. (ed.). 1970. Coho Salmon Status Report. Michigan Dept. Nat. Resour., Fish Manag. Rep. No. 3. 31 pp.
235. Borgeson, D. P.; Tody, W. H. 1967. Status Report on Great Lakes Fisheries 1967. Michigan Dept. Conserv., Fish Manag. Rep. No. 2. 35 pp.
236. Bosley, T. R. 1976. Green Bay's West Shore Coastal Wetlands: A History of Change. Master's thesis. University of Wisconsin-Green Bay.
237. Bothwell, M. L. 1975. Studies on the Distribution of Phytoplankton Pigments and Nutrients in the Milwaukee Harbor Area and Factors Controlling Assimilation Numbers. Ph.D. thesis. University of Wisconsin-Madison. 381 pp.

238. Bott, T. L.; Deffner, J. S.; Foster, E. M.; McCoy, E. 1964. Ecology of *C. botulinum* in the Great Lakes. In: Lewis, K. H., and Cassel, K., Jr. (eds.). Botulism: Proceedings of a Symposium, U.S. Public Health Service, Cincinnati, Ohio. Public Health Ser. Pub. No. 999-FP-1:221-234.
239. Bott, T. L.; Deffner, J. S.; McCay, E.; Foster, E. M. 1966. *Clostridium botulinum* Type E in Fish From the Great Lakes. *J. Bacteriol.* 91(3): 919-924.
240. Bott, T. L.; Johnson, J., Jr.; Foster, E. M.; Sugiyama, H. 1968. Possible Origin of the High Incidence of *Clostridium botulinum* Type E in an Inland Bay (Green Bay of Lake Michigan). *J. Bacteriol.* 95(5): 1542-1547.
241. Bowden, R. J.; Slovick, J. V.; Chorowicki, D.; Pardieck, S. 1968. Lake Michigan Harbors Bottom Sediment Analysis. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin., Great Lakes Region. Chicago, Illinois.
242. Bowman, D. F. 1972. The Influence and Implications of Containerization Upon the Use of the Great Lakes - St. Lawrence Seaway in International Trade. Ph.D. thesis. University of Michigan.
243. Boyce, F. M. 1974. Some Aspects of Great Lakes Physics of Importance to Biological and Chemical Processes. *J. Fish. Res. Board Can.* 31: 689-730.
244. Boyd, L. W. 1970. Source and Degree of Fecal Contamination in the Kenosha Harbor. Master's thesis. University of Wisconsin-Milwaukee.
245. Braasch, D. A.; Joeres, E. F. 1975. Analysis of the Lake Michigan Basin Phosphorus Removal Policy in Wisconsin. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-75-224. 215 pp.
246. Braasch, D. A.; Joeres, E. F. 1976. A Survey of Phosphorus Removal in Wisconsin. *Water and Sewage Works* 123(7): 70-73.
247. Braddock, R. J.; Dugan, L. R., Jr. 1969. Fatty Acids of Lake Michigan Coho Salmon. *J. Amer. Oil Chem. Soc.* 46(8): 42.
248. Braddock, R. J.; Dugan, L. R., Jr. 1972. Phospholipid Changes in Muscle from Frozen Stored Lake Michigan Coho Salmon. *J. Food Sci.* 37(3): 426-429.
249. Bradley, E. H., Jr.; Armstrong, J. M. 1972. A Description and Analysis of Coastal Zone and Shoreland Management Programs in the United States. Michigan Sea Grant Program Tech. Rep. No. 20. MICHU-SG-72-204. Ann Arbor, Michigan.
250. Braem, R. A.; King, E. L., Jr. 1971. Albinism in Lampreys in the Upper Great Lakes. *Copeia* 1971(1): 176-179.

251. Braem, R. A.; Rugen, P. C. 1976. Interim Report on Sea Lamprey Control to Great Lakes Fishery Commission (June-November 1976). Great Lakes Fishery Comm. Ann Arbor, Michigan.
252. Brater, E. F. 1972. A Hydrological Model for Estimating the Inflows to and Outflows from Grand Traverse Bay. Michigan Sea Grant Program Tech. Rep. No. 32. MICHU-SG-72-214. Ann Arbor, Michigan.
253. Brater, E. F.; Armstrong, J. M.; McGill, M. R. 1974. Michigan's Demonstration Erosion Control Program Evaluation Report. Michigan Dept. Nat. Resour. 97 pp.
254. Brater, E. F.; Armstrong, J. M.; McGill, M. R. 1974. Shore Erosion Engineering Demonstration Project Post-Construction Season Progress. Interim Report. Michigan Dept. Nat. Resour., Bureau of Water Manag., Water Development Serv. Div., and Michigan Sea Grant Program Contract No. 04-3-158-23. 124 pp.
255. Brater, E. F.; Armstrong, J. M.; McGill, M. R. 1975. Michigan's Demonstration Erosion Control Program Update Evaluation Report. Michigan Dept. Nat. Resour. 53 pp.
256. Brater, E. F.; Armstrong, J. M.; McGill, M. R. 1976. Michigan's Demonstration Erosion Control Program, Lincoln Township. In: Wood, W. L., Gutschick, R. C., Gonsiewski, J., Davis, R. A., Jr., Fox, W. T., Brater, E. F., Armstrong, J. M., and McGill, M. Field Trip Guidebook of the Coastal and Environmental Geology of Southeastern Lake Michigan, pp. 114-117. Western Michigan University, Dept. Geol. Geol. Soc. Am., North Central Sect. Kalamazoo, Michigan.
257. Brater, E. F.; Billings, N.; Granger, D. W. 1975. Low-Cost Shore Protection for the Great Lakes. Michigan Dept. Nat. Resour. Lansing, Michigan.
258. Brater, E. F.; Cortright, M. 1976. Beach Erosion in Michigan, A Historical Review. Michigan Dept. Nat. Resour. Lansing, Michigan. 22 pp.
259. Brater, E. F.; Seibel, E. 1973. An Engineering Study of Great Lakes Erosion in the Lower Peninsula of Michigan. Michigan Dept. Nat. Resour., Michigan Water Resour. Commission. 47 pp.
260. Bratzler, L. J.; Robinson, M. O. 1967. Processing Great Lakes Chub (*Leucichthys hoyi*). Michigan State Univ. Agr. Exp. Station Quarterly Bull. 49(4): 440-444.
261. Brazo, D. C. 1973. Fecundity, Food Habits and Certain Allometric Features of the Yellow Perch, *Perca flavescens* (Mitchill), Before Operation of a Pumped Storage Project on Lake Michigan. Master's thesis. Michigan State University. 75 pp.
262. Brazo, D. C.; Tack, P. I.; Liston, C. R. 1975. Age, Growth, and Fecundity of Yellow Perch, *Perca flavescens*, in Lake Michigan near Ludington, Michigan. Trans. Am. Fish. Soc. 104(4): 726-730.

263. Bremer, K. E. 1975. Statement of Concerns of the Lake Michigan Toxic Substances Committee Related to Polychlorinated Biphenyls. NTIS Rep. No. PB-250 786/1SL.
264. Bretz, J. H. 1964. Correlation of Glacial Lake Stages in the Huron-Erie and Michigan Basins. *J. Geol.* 72: 618-627.
265. Bretz, J. H. 1966. Correlation of Glacial Lake Stages in the Huron-Erie and Michigan Basins. *J. Geol.* 74: 78-79.
266. Briars, R. P. 1973. Water Quality Monitoring in Lake Michigan in the Vicinity of Zion and Waukegan Generating Stations. In: *Environmental Monitoring in Lake Michigan Near Zion and Waukegan Generating Stations, January 1972-December 1972, Vol. I*, pp. 197-343. Industrial Bio-test Laboratories. Northbrook, Illinois.
267. Brill, E. D.; Velioglu, S. G.; Fuessle, R. W. 1976. Mathematical Models for Use in Planning Regional Water Resources and Energy Systems. NTIS Rep. No. PB-261 364. 96 pp.
268. Brinkhurst, R. O.; Hamilton, A. L.; Herrington, H. B. 1968. Components of the Bottom Fauna of the St. Lawrence Great Lakes. University of Toronto, Great Lakes Institute Rep. No. PR33. Toronto, Ontario. 43 pp.
269. Broecker, W. S. 1974. Glacial Rebound and the Deformation of the Shorelines of Proglacial Lakes with Comments. In: *Glacial Isostasy: Geophysical Research in Glacial Isostasy*, pp. 437-443. Dowden, Hutchinson, and Ross, Stroudsburg, Penn.
270. Brooks, J. L. 1969. Eutrophication and Changes in the Composition of the Zooplankton. In: *Eutrophication: Causes, Consequences, Correctives, Proceedings of a Symposium*, pp. 236-255. National Academy of Sciences. Washington, D.C.
271. Brose, D. S. 1968. The Archaeology of Summer Island: Changing Settlement Systems in Northern Lake Michigan. Ph.D. thesis. University of Michigan. 565 pp.
272. Brouillard, K. D. 1961. Economic Contribution of the Trawl Fishery to Michigan. In: *Proceedings 4th Conference Great Lakes Research*, pp. 182-184. University of Michigan, Great Lakes Res. Div., Pub. No. 7. Ann Arbor, Michigan.
273. Brouillard, K. D. 1963. Economic Review of the Great Lakes Commercial Fisheries 1940-1959. U.S. Fish Wildl. Serv. Circ. 141. 20 pp.
274. Brown, B. P. 1966. Chicago Lake-Front Migration - Fall 1966. *Audubon Bull.* 140: 11-15.
275. See 276.

276. Brown, E. H., Jr. 1968. Population Characteristics and Physical Condition of Alewives, *Alosa pseudoharengus*, in a Massive Dieoff in Lake Michigan, 1967. Great Lakes Fishery Comm. Tech. Rep. No. 13. Ann Arbor, Michigan. 20 pp.
277. Brown, E. H., Jr. 1970. Preliminary Summary of Assessment Trawling for Alewives and Bloaters in Lake Michigan. U.S. Fish Wildl. Serv., Great Lakes Fishery Laboratory, Admin. Rep. Ann Arbor, Michigan.
278. Brown, E. H., Jr. 1970. Extreme Female Predominance in the Bloater (*Coregonus hoyi*) of Lake Michigan in the 1960's. In: Lindsey, C. C., and Woods, C. S. (eds.). Biology of Coregonid Fishes, pp. 501-514. University of Manitoba Press, Winnipeg, Manitoba.
279. Brown, E. H., Jr. 1972. Population Biology of Alewives, *Alosa pseudoharengus*, in Lake Michigan, 1949-1970. J. Fish. Res. Board Can. 29(5): 477-500.
280. Brown, E. H., Jr.; Norden, C. R. 1970. Fin Degeneration of Young-of-the-Year *Alosa pseudoharengus* (Clupeidae) in Southern Lake Michigan. Copeia 1970(4): 766-769.
281. Brown, E. H., Jr.; Wells, L. 1975. Status of Major Species in Lake Michigan. In: Minutes of the Lake Michigan Committee, Annual Report for the Year 1975, Appendix VI(A), pp. 97-103. Great Lakes Fishery Comm. Ann Arbor, Michigan.
282. Brown, E. H., Jr.; Wells, L. 1976. Status of Major Species in Lake Michigan. In: Minutes of the Lake Michigan Committee, Annual Report for the Year 1976, Appendix VII(B), pp. 54-61. Great Lakes Fishery Comm. Ann Arbor, Michigan.
283. Brown, R. J. 1968. Population Structure and Growth Characteristics of the Whitefish in Northern Lake Michigan 1929-1967. NTIS Rep. No. COM-72-10258, NOAA Rep. No. NOAA-72021502; and Master's thesis. University of Michigan.
284. Browzin, B. S. 1962. On Classification of Rivers in the Great Lakes-St. Lawrence Basin. In: Proceedings 5th Conference Great Lakes Research, pp. 85-92. University of Michigan, Great Lakes Res. Div., Pub. No. 9. Ann Arbor, Michigan.
285. Browzin, B. S. 1964. Seasonal Variations of Flow and Classification of Rivers in the Great Lakes-St. Lawrence Basin. In: Proceedings 7th Conference Great Lakes Research, pp. 179-204. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
286. Browzin, B. S. 1966. Annual Runoff in the Great Lakes-St. Lawrence Basin. In: Proceedings 9th Conference Great Lakes Research, pp. 203-219. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.
287. Bruce, J. P.; Lane, R. K.; Weiler, H. S. 1968. Processes at the Air-Water Interface. In: Proceedings 11th Conference Great Lakes Research, pp. 268-284. Internat. Assoc. Great Lakes Res.

288. Bruce, J. P.; Rodgers, G. K. 1962. Water Balance of the Great Lakes System. In: Pincus, H. J. (ed.). Great Lakes Basin, pp. 41-69. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
289. Brunk, I. W. 1960. Precipitation and the Levels of Lakes Michigan and Huron. In: Proceedings 3rd Conference Great Lakes Research, pp. 145-150. University of Michigan, Great Lakes Res. Div., Pub. 4. Ann Arbor, Michigan.
290. Brunk, I. W. 1961. Changes in the Levels of Lakes Michigan and Huron. In: Proceedings 4th Conference Great Lakes Research, pp. 71-78. University of Michigan, Great Lakes Res. Div., Pub. No. 7. Ann Arbor, Michigan.; and J. Geophys. Res. 66(10): 3329-3335.
291. Brunk, I. W. 1962. Precipitation Estimates in the Great Lakes Drainage Basins. Mon. Weather Rev. 90: 79-82.
292. Brunk, I. W. 1963. Additional Evidence of Lowering of Lake Michigan-Huron Levels. In: Proceedings 6th Conference Great Lakes Research, pp. 191-203. University of Michigan, Great Lakes Res. Div., Pub. No. 10. Ann Arbor, Michigan.
293. Brunk, I. W. 1968. Evaluation of Channel Changes in St. Clair and Detroit Rivers. Water Resour. Res. 4(6): 1335-1346.
- 294a. Bruno, R. O.; Hiipakka, L. W. 1973. Littoral Environment Observation Program in the State of Michigan. U.S. Army Corps of Engineers, Coastal Engin. Res. Center Rep. No. CERC-REPRINT 4-74. Fort Belvoir, Virginia. 19 pp.; and In: Proceedings 16th Conf. Great Lakes Research, pp. 492-507. Internat. Assoc. Great Lakes Res.
- 294b. Bryan, M. L.; Marcus, M. G. 1972. Physical Characteristics of Near-Shore Ice Ridges. Arctic 25(3): 182-192.
295. Buckler, W. R.; Winters, H. A. 1975. Rates of Bluff Recession at Selected Sites Along the Southeastern Shore of Lake Michigan. Mich. Acad. 8(2): 179-186.
296. Buckley, S. B. 1975. Study of Post-Pleistocene Ostracod Distribution in the Soft Sediments of Southern Lake Michigan. Ph.D. thesis. University of Illinois at Urbana-Champaign. 299 pp.
297. Buetikofer, L. B.; Meredith, D. D. 1972. Annotated Bibliography on Great Lakes Hydrology. University of Illinois, Water Resour. Center Res. Rep. No. 56. Urbana, Illinois. 62 pp.
298. Bulkley, J. W.; Mathews, A. P. 1972. Public Policy and Institutional Interaction Project (Preliminary Report). Michigan Sea Grant Program Rep No. MICHU-SG-72-201. Ann Arbor, Michigan.
299. Bulkley, J. W.; Mathews, A. P. 1972. Public Policy and Institutional Interaction Project (First Project Report). Michigan Sea Grant Program Rep. No. MICHU-SG-72-203. Ann Arbor, Michigan.

300. Bulkley, J. W.; Mathews, A. P. 1972. Public Policy and Institutional Interaction Project, Great Lakes Survey Questionnaire. Michigan Sea Grant Tech. Rep. No. 25. Ann Arbor, Michigan. 44 pp.
301. Bulkley, J. W.; Mathews, A. P. 1973. Water Quality Relationships in the Great Lakes. In: Proceedings 16th Conference Great Lakes Research, pp. 872-889. Internat. Assoc. Great Lakes Res.
302. Bulkley, J. W.; Mathews, A. P. 1975. Water Quality Relationships in the Great Lakes: Analysis of a Survey Questionnaire. Michigan Sea Grant Program Rep. No. MICHU-SG-75-200. Ann Arbor, Michigan.
303. Burger, J. A.; Seils, C. A.; Tisue, G. T. 1976. A Method for Determining Fly Ash Concentrations in Lake Michigan Water. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976. ANL-76-88, Part III, pp. 72-77. Argonne, Illinois.
304. Bushouse, S. 1966. A Forest History of Beaver Island, Michigan. Senior thesis (unpublished). Alma College. Alma, Michigan.
305. Businessmen for the Public Interest. 1972. Lake Michigan Major Industrial Polluter Inventory. Businessmen for the Public Interest. Chicago, Illinois. 14 pp.
306. Buss, D. F. 1973. The Ultrastructure of the Rostral Neurohypophysis of the Alewife (*Alosa pseudoharengus*) in Lake Michigan and Ultrastructural Comparisons with Marine Alewives and Lake Michigan Smelt. Master's thesis. University of Wisconsin-Milwaukee. 40 pp.
307. Buss, D. F.; Warner, E. D. 1972. Seasonal Ultrastructural Variations in the Rostral Neurohypophysis of the Alewife in Lake Michigan. In: Proceedings 15th Conference Great Lakes Research, pp. 35-44. Internat. Assoc. Great Lakes Res.
308. Butcher, D. K. 1967. Geological Succession in Barney's Lake, Beaver Island, Michigan, Based on the Analysis of the Fossil Diatom Flora. Master's thesis (unpublished). Central Michigan University.
309. Butler, K. S.; Gates, W. A.; McCown, B. H. 1974. A Pollution Displacement Model of the Great Lakes System. In: Proceedings 1974 Winter Simulation Conf., pp. 173-185. Rockefeller Foundation. Washington, D.C.
310. Butrico, F. A.; Touhill, C. J.; Whitman, I. L. (eds.). 1971. Resource Management in the Great Lakes Basin. Heath Lexington Books, D. C. Heath and Company, Lexington, Massachusetts. 190 pp.
311. Buttner, J. K.; Hamilton, R. W. 1976. *Ergasilus* (Copepoda: Cyclopoida) Infestation of Coho and Chinook Salmon in Lake Michigan. Trans. Am. Fish. Soc. 105(3): 491-493.
312. CDM Limnetics, Inc. 1973. Ecological Effects of Thermal Discharges Into Lake Michigan; Quarterly Report (November, December, 1972; January, 1973.). Wisconsin Electric Power Co. Milwaukee, Wisconsin.

313. CDM Limnetics, Inc. 1974. Point Beach Nuclear Plant Unit Nos. 1 and 2. Nonradiological Environmental Surveillance Program. In: Annual Report No. 1, Sept. 1972-Nov. 1973, Vol. 3, Section 6.0, pp. 216-272. Wisconsin Electric Power Co.
314. CDM Limnetics, Inc. 1975. An Environmental Study of the Ecological Effects of Thermal Discharge from the Point Beach Nuclear Plant. Nov. 1973 Through Oct. 1974, Annual Report No. 2, Vol. 2. Wisconsin Power Co. and Wisconsin Michigan Power Co.
315. CDM Limnetics, Inc. 1975. An Environmental Study of the Ecological Effects of the Thermal Discharges from Point Beach, Oak Creek, and Lakeside Power Plants on Lake Michigan. Wisconsin Electric Power Co. Milwaukee, Wisconsin.
316. CDM Limnetics, Inc. 1976. Review of the Literature on Lake Michigan Fish. CDM Limnetics, Inc. Report. Manitowoc, Wisconsin.
317. CDM Limnetics, Inc. 1976. An Environmental Study of the Ecological Effects of Thermal Discharge from the Point Beach Nuclear Plant. Nov. 1974 Through Oct. 1975, Annual Report No. 3. Wisconsin Power Co. and Wisconsin Michigan Power Co.
318. CDM Limnetics, Inc. 1976. Cooling Water Intake Structure Study for Manitowoc Public Utilities, Final Report. CDM Limnetics, Inc. Manitowoc, Wisconsin.
319. Cabelli, V. J.; Kennedy, H.; Levin, M. A. 1976. *Pseudomonas aeruginosa* - Fecal Coliform Relationships in Estuarine and Fresh Recreational Waters. J. Water Pollut. Control Fed. 48(2): 367-376.
320. Cable, L. E. 1971. Inland Fisheries-Fishing in the Interior of the United States. In: Shapiro, S. (ed.). Our Changing Fisheries, pp. 324-358. U.S. Govt. Printing Office. Washington, D.C.
321. Cain, L. P. 1974. Unfouling the Public's Nest: Chicago's Sanitary Diversion of Lake Michigan Water. Technol. and Culture 15(4): 594-613.
322. Cain, S. A. 1962. The Use of the Great Lakes for Recreation. In: Pincus, H. J. (ed.). Great Lakes Basin, pp. 213-238. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
323. Cain, S. A. 1968. Conflicts of Recreation and Other Uses of the Great Lakes. In: Proceedings Great Lakes Water Resources Conf., June 24-26, 1968, Toronto, Ontario, pp. 121-144. Engin. Institute of Canada and Am. Soc. Civil Engin.
324. Callender, E. 1968. Manganese: The Discovery of a New Mineral Resource in the Great Lakes. Limnos 1(4): 22-25.
325. Callender, E. 1969. Geochemical Characteristics of Lakes Michigan and Superior Sediments. In: Proceedings 12th Conference Great Lakes Research, pp. 124-160. Internat. Assoc. Great Lakes Res.

326. Callender, E. 1970. The Economic Potential of Ferromanganese Nodules in the Great Lakes. In: Proceedings 6th Geology of Industrial Minerals Forum, Misc. No. 1, pp. 56-65. Michigan Geol. Surv. Div.
327. Callender, E. 1973. Geochemistry of Ferromanganese Crusts, Manganese Carbonate Crusts, and Associated Ferromanganese Nodules from Green Bay, Lake Michigan. NTIS Rep. No. PB-223 156-10/SL. National Science Foundation and U.S. Dept. of Energy Rep. No. NSF/DOE-73-15-10. 17 pp.
328. Canale, R. P. 1971. A Methodology for Mathematical Modeling of Biological Production. Michigan Sea Grant Program Rep. No. MICHU-SG-71-202. Ann Arbor, Michigan.
329. Canale, R. P. 1973. Model of Coliform Bacteria in Grand Traverse Bay. J. Water Pollut. Control Fed. 45(11): 2358-2371.
330. Canale, R. P. 1975. Model of Coliform Bacteria in Grand Traverse Bay. Michigan Sea Grant Program Rep. No. MICHU-SG-75-306. Ann Arbor, Michigan.
331. Canale, R. P.; DePalma, L. M.; Vogel, A. H. 1975. A Food Web Model for Lake Michigan: Part 2. Model Formulation and Preliminary Verification. Michigan Sea Grant Program Tech. Rep. No. 43. MICHU-SG-75-201. Ann Arbor, Michigan. 150 pp.
332. Canale, R. P.; Depalma, L. M.; Vogel, A. H. 1976. A Plankton Based Food Web Model for Lake Michigan. In: Canale, R. P. (ed.). Modeling Biochemical Processes in Aquatic Ecosystems, pp. 33-74. Ann Arbor Science Publishers, Ann Arbor, Michigan.
333. Canale, R. P.; Green, A. W., Jr. 1972. Modeling the Spatial Distribution of Coliforms in Grand Traverse Bay. In: Proceedings 15th Conference Great Lakes Research, pp. 719-728. Internat. Assoc. Great Lakes Res.
334. Canale, R. P.; Hineman, D. J.; Nachiappan, S. 1974. A Biological Production Model for Grand Traverse Bay. Michigan Sea Grant Program Tech. Rep. No. 37. MICHU-SG-74-200. Ann Arbor, Michigan.
335. Canale, R. P.; Nachiappan, S.; Hineman, D. J.; Allen, H. E. 1973. A Dynamic Model for Phytoplankton Production in Grand Traverse Bay. In: Proceedings 16th Conference Great Lakes Research, pp. 21-33. Internat. Assoc. Great Lakes Res.
336. Canale, R. P.; Nachiappan, S.; Hineman, D. J.; Allen, H. E. 1975. A Dynamic Model for Phytoplankton Production in Grand Traverse Bay. Michigan Sea Grant Program Rep. No. MICHU-SG-75-304. Ann Arbor, Michigan.
337. Canale, R. P.; Patterson, R. L.; Gannon, J. J.; Powers, W. F. 1973. Water Quality Models for Total Coliform Bacteria in Grand Traverse Bay. J. Water Pollut. Control Fed. 45: 325-336.

338. Carlson, G. T.; Persoage, N. P. 1967. Development and Coordination of Basic Hydrologic Data for International Joint Commission Study of the Great Lakes. In: Proceedings 10th Conference Great Lakes Research, pp. 413-419. Internat. Assoc. Great Lakes Res.
339. Carlson, R. E. 1971. Lakeshore Physiography and Use. *Limnos* 4(2): 3-14.
340. Carr, J. F.; Moffett, J. W.; Gannon, J. E. 1973. Thermal Characteristics of Lake Michigan, 1954-1955. U.S. Fish Wildl. Serv., Bureau Sport Fish. Wildl. Tech. Pap. No. 69. 143 pp.
341. Carrol, E. W. 1973. Temperature Preference of the Freshwater Alewife, *Alosa pseudoharengus* (Wilson). Master's thesis. University of Wisconsin-Milwaukee. 80 pp.
342. Carson, J. E. 1975. Atmospheric Effects of Waste Heat Discharges Into a Large Lake. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 306-318. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
343. Cataldo, J. C.; Zavesky, R. R.; Goodman, A. S. 1976. Correlation of Mathematical Models for Water Temperature with Aerial Infrared Water Temperature Surveys. NTIS Rep. No. PB-261 579/7SL. New York State Energy Res. and Development Authority Rep. No. NYSERDA-75/19. 70 pp.
344. Chamberlain, S. G. 1970. Application of Statistical Decision Theory to Great Lakes Management. In: Proceedings 13th Conference Great Lakes Research, pp. 145-148. Internat. Assoc. Great Lakes Res.
345. Chambers, R. L. 1975. Information Content of Grain-Size Frequency Distributions in Coastal Deposits on the Eastern Shore of Lake Michigan. Ph.D. thesis. Michigan State University. 145 pp.
346. Chandik, J. F.; Lyons, W. A. 1973. Radar Investigation of Summertime Land/Lake Rainfall Variations Over Lake Michigan. University of Wisconsin, Water Resour. Center Tech. Rep. No. WIS-WRC-73-10. Madison, Wisconsin. 53 pp.
347. Chandler, D. C. 1964. The St. Lawrence Great Lakes. *Int. Ver. Theor. Angew. Limnol. Verh.* 15: 59-75.
348. Chandler, D. C. 1967. Unique Research Opportunities Afforded by the Great Lakes. In: Dolman, C. E. (ed.). *Water Resources of Canada*, pp. 76-82. University of Toronto Press, Toronto, Ontario.
349. Changnon, S. A., Jr. 1961. Precipitation Contrasts Between the Chicago Urban Area and Offshore Stations in Southern Lake Michigan. *Bull. Am. Meteorol. Soc.* 42: 1-10.
350. Changnon, S. A., Jr.; Huff, F. A. 1966. Measurement of Precipitation Over Lake Michigan. In: Proceedings 9th Conference Great Lakes Research, pp. 235-248. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.

351. Changnon, S. A., Jr. 1966. Effect of Lake Michigan on Severe Weather. In: Proceedings 9th Conference Great Lakes Research, pp. 220-234. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.
352. Changnon, S. A., Jr. 1967. Average Precipitation on Lake Michigan. In: Proceedings 10th Conference Great Lakes Research, pp. 171-185. Internat. Assoc. Great Lakes Res.
353. Changnon, S. A., Jr. 1968. Precipitation Climatology of Lake Michigan Basin. Ill. State Water Surv. Bull. 52. 46 pp.
354. Changnon, S. A., Jr. 1968. Precipitation from Thunderstorms and Snowfall Around Southern Lake Michigan. In: Proceedings 11th Conference Great Lakes Research, pp. 285-297. Internat. Assoc. Great Lakes Res.
355. Changnon, S. A., Jr. 1971. Atmospheric Controls of Water Exchange in Great Lakes Basin. Water Resour. Bull. 7(3): 473-483.
356. Changnon, S. A., Jr.; Huff, F. A. 1966. Feasibility Study of Quantitative Radar Measurement of Precipitation On Lake Michigan. Ill. State Water Surv. Contract No. 6666-04G (26-84), Final Report; and University of Illinois, Water Resour. Center Res. Rep. No. 2. Urbana, Illinois. 18 pp.
357. Changnon, S. A., Jr.; Jones, D. M. A. 1972. Review of the Influences of the Great Lakes on Weather. Water Resour. Res. 8(2): 360-371.
358. Chase, P. E.; Baker, J. L.; Lewis, E. W. 1970. Ice Data Collection and Usage: Emphasis on Prediction Techniques. In: Proceedings 13th Conference Great Lakes Research, pp. 790-797. Internat. Assoc. Great Lakes Res.
359. Chase, R. R. P.; Tisue, G. T. 1976. Settling Behavior of Lacustrine Organic Mineral Aggregates. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976. ANL-76-88, Part III, pp. 99-102. Argonne, Illinois.
360. Chau, Y. K.; Saitoh, H. 1973. Mercury in the International Great Lakes. In: Proceedings 16th Conference Great Lakes Research, pp. 221-232. Internat. Assoc. Great Lakes Res.
361. Cheetham, R. N., Jr.; Wilke, R. F. 1969. Watersheds and Green Bay Shore Drainage -- Brown County, Wisconsin. U.S. Dept. of Agriculture, Soil Conserv. Serv. Tech. Rep. No. 3. 54 pp.
362. Chesters, G.; Simsiman, G. V. 1974. Impact of Agricultural Use of Pesticides on the Water Quality of the Great Lakes. Great Lakes Basin Commission. Ann Arbor, Michigan. 94 pp.
363. Chicago Park District; City of Chicago, Dept. of Development and Planning. 1973. The Lakefront Plan of Chicago. A Summary Report. Chicago Park District, Chicago Dept. of Development and Planning. Chicago, Illinois. 11 pp.

364. Chicago Sanitary District. 1976. Lake Diversion Testimony Technical Report - The Effects of Lake Diversion on Meeting Water Quality Standards. Chicago Sanitary District. MSDGC - R0176LD3A. Chicago, Illinois. 36 pp.
365. Chiotti, T. L. 1973. Food Habits, Reproductive Biology, and Lamprey Scarring of Planted Lake Trout (*Salvelinus namaycush*) in the Inshore Waters of Lake Michigan at Ludington, Michigan. Master's thesis. Michigan State University. 62 pp.
366. Christie, W. J. 1968. Possible Influences of Fishing in the Decline of Great Lakes Fish Stocks. In: Proceedings 11th Conference Great Lakes Research, pp. 31-38. Internat. Assoc. Great Lakes Res.
367. Christie, W. J. 1974. Changes in the Fish Species Composition of the Great Lakes. J. Fish. Res. Board Can. 31: 827-854.
368. Churchill, D. H. 1972. Development of a Flood and Pollution Control Plan for the Chicagoland Area: Computer Simulation Programs. Illinois Institute Environ. Qual. Rep. No. 73-19. F. 278 pp.; and NTIS Rep. No. PB-228 645 8.
369. Cima, G. P.; Cochran, M. C. 1974. Fish Egg and Larvae Study. In: Operational Environmental Monitoring in Lake Michigan Near Zion Station, July 1973-December 1973, Vol. III, Semi-annual Report to Commonwealth Edison Co., Chicago, Illinois, pp. 123-169. Industrial Bio-Test Laboratories. Northbrook, Illinois.
370. Cima, G. P.; Cochran, M. C.; Kitchel, M. A. 1976. Annual Interpretive Report on Fish Eggs and Larvae in Lake Michigan near Zion and Waukegan Generating Stations, 1975. In: Compilation of Reports Relating to Entrainment and Impingement Studies at Zion Generating Station, 1976, Vol. I, Appendix A. NALCO Environmental Science.
371. Cirillo, R. R. 1975. Fossil-Fuel-Fired Power Plant Impacts on the Great Lakes. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 77-81. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
372. City of Chicago, Dept. of Development and Planning. 1972. The Lakefront Plan of Chicago. Chicago Dept. of Development and Planning. Chicago, Illinois. 50 pp.
373. City of Chicago, Dept. of Development and Planning. 1974. The Riveredge Plan of Chicago. Chicago Dept. of Development and Planning. Chicago, Illinois. 36 pp.
374. City of Evanston. 1972. Proposed Shore Protection for the City of Evanston, Illinois. Prepared for the city by Ralph H. Burke, Inc. Evanston, Illinois.
375. Clatlin, L. W. 1975. A Multivariate Data Analysis of Lake Michigan Phytoplankton. Ph.D. thesis. University of Wisconsin-Madison. 466 pp.

376. Clark, A. H.; Officer, E. R. 1962. Land Use Pattern. In: Pincus, H. J. (ed.). Great Lakes Basin, pp. 141-156. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
377. Clark, R. H.; Cavadias, G. S. 1967. A Stochastic Approach to the Development of a Regulation Plan for the Great Lakes. In: Proceedings Internat. Hydrology Symposium 1, Sept. 6-8, 1967, Fort Collins, Colorado, pp. 430-442. Colorado State University. Fort Collins, Colorado.
378. Clark, R. H.; Persoage, N. P. 1970. Some Implications of Crustal Movement in Engineering Planning. Can. J. Earth Sci. 7: 628-633.
379. Cloern, J. E. 1973. The Survival of Coho Salmon, *Oncorhynchus kisutch*, Eggs in 2 Wisconsin Tributaries of Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee. 41 pp.
380. Cloern, J. E. 1976. The Survival of Coho Salmon, *Oncorhynchus kisutch*, Eggs in 2 Wisconsin Tributaries of Lake Michigan. Am. Midl. Nat. 96(2): 451-461.
381. Cloke, P. L.; Torrey, M. S.; Edgington, D. N. 1972. On Black Spots and Bands Found in Sediments of Lakes Michigan and Superior. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1972, ANL-7960, Part III, pp. 64-68. Argonne, Illinois.
382. Cochran, M. C. 1973. Fish Study. In: Environmental Monitoring in Lake Michigan near Zion and Waukegan Generating Stations, January 1972 through December 1972, Vol. II, Ch. 9, pp. 307-501. Industrial Bio-Test Laboratories. Northbrook, Illinois.
383. Cochran, M. C. 1976. Adult Fish Study. In: Operational Environmental Monitoring in Lake Michigan near Zion Station, July 1975 through June 1976, Vol. VI, pp. 83-298. NALCO Environmental Sciences.
384. Cochran, M. C.; Cima, G. P. 1974. Larval Fish Study. In: Operational Environmental Monitoring in Lake Michigan near Zion Station, July 1973 to June 1974, Vol. III, Annual Report to Commonwealth Edison Co., Chicago, Illinois, pp. 201-284. Industrial Bio-Test Laboratories. Northbrook, Illinois.
385. Cochran, M. C.; Kitchel, M. A. 1976. Fish Impingement at Zion Station January-December 1975. In: Compilation of Reports Relating to Entrainment and Impingement Studies at Zion Generating Station, 1976, Vol. I, Appendix A. NALCO Environmental Sciences.
386. Cogley, A. C. 1974. Large-Scale Mass Balance for Lead in Southern Lake Michigan. University of Illinois, Water Resour. Center Res. Rep. No. 85. Urbana, Illinois. 15 pp.
387. Cohee, G. V. 1965. Geologic History of the Michigan Basin. Wash. Acad. Sci. Jour. 55(9): 211-233.
388. Cohn, B. P. 1975. A Forecast Model for Great Lakes Water Levels. Ph.D. thesis. Syracuse University, N.Y.

389. Cohn, B. P.; Robinson, J. E. 1976. A Forecast Model for Great Lakes Water Levels. *J. Geol.* 84: 455-465.
390. Colby, L. 1971. Grand Traverse Bay in the Great Lakes Basin: A History of a Changing Area. Michigan Sea Grant Program Rep No. MICHU-SG-71-210. Ann Arbor, Michigan.
391. Colby, P. J. 1971. Alewife Dieoffs: Why Do They Occur? *Limnos* 4(2): 18-27.
392. Colby, P. J.; Spangler, G. R.; Hurley, D. A.; McCombie, A. M. 1972. Effects of Eutrophication on Salmonid Communities in Oligotrophic Lakes. *J. Fish. Res. Board Can.* 29(6): 975-983.
393. Cole, A. L. 1967. An Evaluation of Wind Analysis and Wave Hindcasting Methods as Applied to the Great Lakes. In: *Proceedings 10th Conference Great Lakes Research*, pp. 186-196. Internat. Assoc. Great Lakes Res.
394. Cole, A. L. 1968. Objective Mesoscale Analyses of the Surface Pressure and Geostrophic Wind Fields of the Great Lakes Area. In: *Proceedings 11th Conference Great Lakes Research*, pp. 298-312. Internat. Assoc. Great Lakes Res.
395. Cole, A. L. 1971. Hindcast Waves for the Western Great Lakes. In: *Proceedings 14th Conference Great Lakes Research*, pp. 412-421. Internat. Assoc. Great Lakes Res.
396. Cole, A. L. 1972. Television Signals as Remote Sensing Probes for Great Lakes Boundary Layers. In: *Proceedings 15th Conference Great Lakes Research*, pp. 431-435. Internat. Assoc. Great Lakes Res.
397. Cole, A. L.; Hilfiker, R. C. 1970. Wave Statistics for Lakes Michigan, Huron, and Superior. University of Michigan, College of Engin., Dept. of Meteorol. and Oceanogr. Office Res. Admin. Project No. ORA 01498. Ann Arbor, Michigan. 29 pp.
398. Cole, H. S.; Lyons, W. A. 1972. The Impact of the Great Lakes on the Air Quality of Urban Shoreline Areas. In: *Proceedings 15th Conference Great Lakes Research*, pp. 436-463. Internat. Assoc. Great Lakes Res.; and University of Wisconsin-Milwaukee, Center for Great Lakes Studies Report. Milwaukee, Wisconsin. 31 pp.
399. Coleman, D. E. 1975. Land-Use Forecasting Model: Overview and Methodology. International Joint Commission, International Reference Group On Great Lakes Pollution From Land Use Activities. PLUARG Task B-5 Land Use Forecasts. 25 pp. (Unpublished).
400. Collins, C. T. 1961. Oil Pollution--Again! *Jack-Pine Warbler* 39(3): 129-130.
401. Collinson, C. 1975. State Recession Rate Programs: Illinois. In: *Proceedings of the Recession Rate Workshop*, pp. 39-50. Great Lakes Basin Commission. Ann Arbor, Michigan.

402. Collinson, C.; Drake, P. L.; Anchor, C. K. 1975. Inventory of Physical Characteristics of the Illinois Shore North of Chicago. In: First Year Work Product, Vol. II: Coastal Geological Studies. III. Coastal Zone Manag. Prog. 72 pp.
403. Collinson, C.; Lineback, J. A.; DuMontelle, P. B.; Brown, D. C.; Davis, R. A., Jr.; Larsen, C. E. 1974. Coastal Geology, Sedimentology, and Management: Chicago and the Northshore. III. State Geol. Surv. Guideb. 12. 55 pp.
404. Commonwealth Edison Co. 1972. Restoration of Shoreline at Illinois Beach State Park. Commonwealth Edison Co. Chicago, Illinois.
405. Comninellis, E. 1973. Ludington Pumped Storage Project. J. Power Div., Am. Soc. Civil Engin. 99(PO1): 69-88.
406. Consumers Power Co. 1972. A Study of the Effects of Installing and Operating a Large Pumped Storage Project on the Shores of Lake Michigan near Ludington, Michigan. Consumers Power Co. Jackson, Michigan.
407. Consumers Power Co. 1972. Palisades Plant, Environmental Impact of Plant Operations up to July 1, 1972. Consumers Power Co. Spec. Rep. No. 4. Jackson, Michigan. 121 pp.
408. Consumers Power Co. 1973. Palisades Plant Semiannual Operations Report No. 4, July 1-December 31, 1972. Consumers Power Co. Jackson, Michigan.
409. Consumers Power Co. 1973. Palisades Plant Semiannual Operations Rep. No. 5, January 1-June 30, 1973. Consumers Power Co. Jackson, Michigan.
410. Consumers Power Co. 1974. Palisades Plant Semiannual Operations Rep. No. 6, July 1-December 31, 1973. Consumers Power Co. Jackson, Michigan.
411. Consumers Power Co. 1975. Summary of the Effects of Once-Through Cooling at the Palisades Nuclear Power Plant. Consumers Power Co. Report. Jackson, Michigan.
412. Consumers Power Co. 1975. J.H. Campbell Plant Unit No. 3. Environ. Rep. No. 1. Consumers Power Co. Jackson, Michigan.
413. Consumers Power Co. 1976. Section 316(b) Intake Study, Big Rock Nuclear Plant. Consumers Power Co. Report. Jackson, Michigan.
414. Consumers Power Co. 1976. Section 316(b) Intake Study, B. C. Cobb Plant. Consumers Power Co. Report. Jackson, Michigan.
415. Consumers Power Co. 1976. Section 316(b) Intake Study, Palisades Nuclear Plant. Consumers Power Co. Report. Jackson, Michigan.
416. Consumers Power Co. 1976. Section 316(b) Intake Study, J.H. Campbell Plant-- Units No. 1 and 2. Consumers Power Co. Report. Jackson, Michigan.

417. Conway, H. L.; Yaguchi, E. M. 1975. Biological Utilization and Regeneration of Silicon in Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1975, ANL-75-57, Part III, pp. 55-57. Argonne, Illinois.
418. Cook, D. G.; Johnson, M. G. 1974. Benthic Macroinvertebrates of the St. Lawrence Great Lakes. J. Fish. Res. Board Can. 31(5): 763-782.
419. Cook, G. W.; Johnson, M. G. 1963. The Distribution of Phytoplankton and Benthic Fauna of Lake Michigan. A Preliminary Report. U.S. Public Health Serv., Region V, Div. of Water Supply and Pollut. Control. Great Lakes-Illinois River Basins Project. Chicago, Illinois. 12 pp.
420. Cook, G. W.; Marciniak, P. L.; Rummel, L. H. 1965. Comparative Densities of Benthic Fauna Populations in Lake Michigan. U.S. Public Health Serv., Region V, Div. of Water Supply and Pollut. Control. Great Lakes-Illinois River Basins Project. Chicago, Illinois. 25 pp.
421. Cook, G. W.; Powers, R. E. 1964. The Benthic Fauna of Lake Michigan as Affected by the St. Joseph River. In: Proceedings 7th Conference Great Lakes Research, pp. 68-76. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
422. Cooper, G. P.; Rybicki, R. W.; Moffit, L.; Patriarche, M. H.; Brown, E. H., Jr.; Peck, J. W. 1974. Estimates of Biomass of Principal Fish Species in the Great Lakes. Michigan Dept. Nat. Resour., Fish. Res. Rep. No. 1813. 38 pp.
423. Cooper, J. C.; Hasler, A. D. 1976. Electrophysiological Studies of Morpholine-Imprinted Coho Salmon (*Oncorhynchus kisutch*) and Rainbow Trout (*Salmo gairdneri*). J. Fish. Res. Board Can. 33(4): 688-694.
424. Cooper, J. C.; Scholz, A. T.; Horrall, R. M.; Hasler, A. D.; Madison, D. M. 1976. Experimental Confirmation of the Olfactory Hypothesis with Homing Artificially Imprinted Coho Salmon (*Oncorhynchus kisutch*). J. Fish. Res. Board Can. 33(4): 703-710.
425. Copeland, R. A. 1970. Selenium: the Unknown Pollutant. Limnos 3(4): 7-9.
426. Copeland, R. A. 1972. Mercury in the Lake Michigan Environment. In: Hartung, R., and Dinman, B. D. (eds.). Environmental Mercury Contamination, pp. 71-76. Ann Arbor Science Publishers, Ann Arbor, Michigan.
427. Copeland, R. A.; Ayers, J. C. 1972. Trace Element Distributions in Water, Sediment, Phytoplankton, Zooplankton and Benthos of Lake Michigan: A Baseline Study with Calculations of Concentration Factors and Buildup of Radioisotopes in the Food Web. Environmental Research Group, Inc. Spec. Rep. No. 1. Ann Arbor, Michigan. 271 pp.
428. Copeland, R. A.; Beethe, R. H.; Prater, W. W. 1973. Trace Element Distributions in Lake Michigan Fish: A Baseline Study with Calculations of Concentration Factors and Equilibrium Radioisotope Distributions. Environmental Research Group, Inc. Ann Arbor, Michigan. 139 pp.

429. Corey, J. B. 1972. More Water for Chicago. *Water Waste Engin.* 9(5): 48-51.
430. Cote, W. E. 1967. Grain Size Analysis of Sediments, Southeastern Lake Michigan. Master's thesis. University of Illinois at Urbana-Champaign. 118 pp.
431. Coutant, C. C.; Brook, A. J. 1970. Biological Aspects of Thermal Pollution. I: Entrainment and Discharge Canal Effects. *Crit. Rev. Environ. Control* 1(3): 341-381.
432. Craig, L. S. 1972. The Sea Grant Program in the Great Lakes Area. In: Davies, T. T. (ed.) *Proceedings 1st Federal Conf. on the Great Lakes*, pp. 150-156. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
433. Creer, K. M.; Gross, D. L.; Lineback, J. A. 1976. Origin of Regional Geomagnetic Variations Recorded by Wisconsinan and Holocene Sediments from Lake Michigan, U.S.A., and Lake Windermere, England. *Geol. Soc. Am. Bull.* 87(4): 531-540.
434. Crevensten, D.; Stoddard, A. 1974. Water Quality Model of the Lower Fox River, Wisconsin. In: *Proceedings 17th Conference Great Lakes Research, Part 1*, pp. 501-513. Internat. Assoc. Great Lakes Res.; and U.S. Environmental Protection Agency Rep. No. EPA-905-73-001. (1973). Chicago, Illinois. 70 pp.
435. Crook, L. T. 1973. Water Resources Research Policies for the Great Lakes. In: Chow, V. T., Csallany, S. C., Krizek, R. J., and Preul, H. C. (eds.). *Water for the Human Environment, Proceedings of the First World Congress on Water Resources, Vol. 3, Technical Sessions*, pp. 220-232. Int. Water Resour. Assoc., Champaign, Illinois.
436. Crook, L. T.; Sonzogni, W. C.; Reed, R. W. 1975. Public Priorities for Great Lakes Research. Great Lakes Basin Commission. Ann Arbor, Michigan. 64 pp.
437. Crosby, L. G.; Chatham, C. E., Jr. 1975. Design of Entrance Channel Improvements for Ludington Harbor, Michigan; Hydraulic Model Investigation. U.S. Army Corps of Engineers, Waterways Experiment Station Tech. Rep. No. AEWES-TR-75-14. F. 77 pp.
438. Crossman, E. J. 1969. Changes in Great Lakes Fish and Fishing. In: Anderson, D. V. (ed.). *The Great Lakes as an Environment*, pp. 150-175. Univ. of Toronto, Great Lakes Institute Rep. PR39.
439. Crowe, W. R. 1964. Walleyes in Bay de Noc. Michigan Dept. Conserv., Dingell-Johnson Proj. No. F-27-R-2. July 1, 1963 to June 30, 1964. Job Completion Report. Lansing, Michigan.
440. Crowe, W. R. 1975. Great Lakes Fishery Commission History, Program, and Progress. Great Lakes Fishery Comm. Ann Arbor, Michigan. 23 pp.

441. Crowe, W. R.; Karvelis, E. G.; Joeris, L. S. 1963. The Movement, Heterogeneity, and Rate of Exploitation of Walleyes in Northern Green Bay, Lake Michigan, as Determined by Tagging. *Int. Comm. Northwest. Atl. Fish. Spec. Publ. No. 4*: 38-41.
442. Csanady, G. T. 1967. Large-Scale Motion in the Great Lakes. *J. Geophys. Res.* 72(16): 4151-4162.
443. Csanady, G. T. 1968. Motions in a Model Great Lake Due to a Suddenly Imposed Wind. *J. Geophys. Res.* 73(20): 6435-6447.
444. Csanady, G. T. 1968. Simple Analytical Models of Wind-Driven Circulation in the Great Lakes. In: *Proceedings 11th Conference Great Lakes Research*, pp. 371-384. *Internat. Assoc. Great Lakes Res.*
445. Csanady, G. T. 1968. Wind-Driven Summer Circulation in the Great Lakes. *J. Geophys. Res.* 73: 2579-2589.
446. Csanady, G. T. 1970. Dispersal of Effluents in the Great Lakes. *Water Res.* 4: 79-114.
447. Csanady, G. T. 1970. Waste Heat Disposal in the Great Lakes. In: *Proceedings 13th Conference Great Lakes Research*, pp. 388-396. *Internat. Assoc. Great Lakes Res.*
448. Csanady, G. T. 1971. Baroclinic Boundary Currents and Long-Edge Waves in Basins with Sloping Shores. *J. Phys. Oceanogr.* 1(2): 92-104.
449. Csanady, G. T. 1975. Environmental Status of the Lake Michigan Region. Vol. 2. Physical Limnology of Lake Michigan. Part 2. Diffusion and Dispersion. In: *Argonne National Laboratory Rep. No. ANL/ES-40, Vol. 2, Part 2*, pp. 103-121. Argonne, Illinois.
450. Cunningham, J. D., III. 1970. Fourier Analysis of Tides, Seiches, and Storm Surges on Lake Michigan. Master's thesis. Williams College. Williamstown, Massachusetts. 31 pp. + appendices.
451. Czaika, S. C.; Robertson, A. 1968. Identification of the Copepodids of the Great Lakes Species of *Diaptomus* (Calanoida, Copepoda). In: *Proceedings 11th Conference Great Lakes Research*, pp. 39-60. *Internat. Assoc. Great Lakes Res.*
452. D'Alba, L.; Hempling, T. 1976. Summary Report of the Pilot Study Program, Great Lakes Shoreland Damage Study. U.S. Army Corps of Engineers, North Central Div. Chicago, Illinois. 110 pp.
453. D'Itri, F. M. 1971. Pollution of a Marina Area by Watercraft Use as Indicated by Coliform and Chemical Concentrations. Michigan State University, Institute Water Res. Tech. Rep. No. 21. East Lansing, Michigan. 26 pp.
454. Dack, G. M. 1964. Characteristics of Botulism Outbreaks in the United States. In: *Botulism*, pp. 33-40. *Proceedings of Symposium*, Jan. 13-14, 1964, Cincinnati, Ohio. U.S. Public Health Serv. Pub. 999 FP-1.

455. Dacone, J. V. 1973. Intake-Discharge Water Quality Monitoring at Waukegan Station. In: Environmental Monitoring in Lake Michigan Near Zion and Waukegan Generating Stations, January 1972-December 1972, Vol. I, pp. 55-148. Industrial Bio-test Laboratories. Northbrook, Illinois.
456. Dahl, A. H. 1962. Water Pollution in the Great Lakes. In: Pincus, H. J. (ed.). Great Lakes Basin, pp. 277-290. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
457. Dai, Y. B.; Wilson, H. B. 1967. Selection of Optimum Alignment, Length and Height of Breakwaters, New Buffalo Harbor, Michigan; Hydraulic Model Investigation. NTIS Rep. No. AD-722 229. 81 pp.
458. Daly, R. I. 1968. Progress Report of Fish Management on Lake Michigan 1968. Wisconsin Conserv. Dept., Fish Manag. Div. Oshkosh, Wisconsin. 18 pp.
459. Daly, R. I. 1968. Preliminary Notes on Management of the Rainbow Trout in Western Lake Michigan. Wisconsin Dept. Nat. Resour., Fish Manag. Div. Oshkosh, Wisconsin. 4 pp.
460. Daly, R. I. 1970. Progress Report of Fish Management on Lake Michigan. Wisconsin Dept. Nat. Resour. Annual Rep. 1967-1970. Madison, Wisconsin.
461. Daly, R. I.; Hacker, V. A.; Wiegert, L. 1962. The Lake Trout: Its Life History, Ecology, and Management. Wisconsin Dept. Conserv. Pub. No. 233. Madison, Wisconsin. 15 pp.
462. Daly, R. I.; King, G.; Poff, R. J. 1970. Assessment of Lake Trout and Associated Species in Lakes Michigan and Superior. NOAA Rep. No. NOAA-73051001. 16 pp.
463. Daly, R. I.; Moore, J.; King, G.; Belonger, B.; Swanson, B. L. 1974. Assessment of Lake Trout and Associated Species in Lakes Michigan and Superior, 1969-1972. NOAA Rep. No. NOAA-74072244. 63 pp.
464. Daly, R. I.; Moore, J.; Schultz, P. T. 1975. Status of Fish Stocks, Lake Michigan. In: Minutes of the Lake Michigan Committee, Annual Report for the Year 1975, Appendix V(B), pp. 67-96. Great Lakes Fishery Comm. Ann Arbor, Michigan.
465. Damann, K. E. 1960. Plankton Studies of Lake Michigan. II. Thirty-Three Years of Continuous Plankton and Coliform Bacteria Data Collected from Lake Michigan at Chicago, Illinois. Trans. Am. Microsc. Soc. 79: 397-404.
466. Damann, K. E. 1965. Seasonal Periodicity of Lake Michigan Plankton. Trans. Amer. Microsc. Soc. 84: 151-152.
467. Damann, K. E. 1966. Plankton Studies of Lake Michigan. III. Seasonal Periodicity of Total Plankton. In: Proceedings 9th Conference Great Lakes Research, pp. 9-17. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.

468. Dambach, C. A. 1969. Changes in the Biology of the Lower Great Lakes. Bull. Buffalo Soc. Nat. Sci. 25(1): 1-17.
469. Danard, M. B.; McMillan, A. C. 1974. Further Numerical Studies of the Effects of the Great Lakes on Winter Cyclones. Mon. Weather Rev. 102: 166-175.
470. Danard, M. B.; Rao, G. V. 1972. Numerical Study of the Effects of the Great Lakes on a Winter Cyclone. Mon. Weather Rev. 100: 374-382.
471. Daniels, S. L.; Kempe, L. L.; Billy, T. J.; Beeton, A. M. 1965. Detection and Measurement of Organic Lampricide Residues. Great Lakes Fishery Comm. Tech. Rep. No. 9. Ann Arbor, Michigan. 18 pp.
472. Daniels, S. L.; Kempe, L. L.; Graham, E. S.; Beeton, A. M. 1963. Quantitation of Microorganic Compounds in Waters of the Great Lakes by Adsorption on Activated Carbon. In: Proceedings 6th Conference Great Lakes Research, pp. 118-123. University of Michigan, Great Lakes Res. Div., Pub. No. 10. Ann Arbor, Michigan.
473. Daubert, A.; Madding, R. P.; Pell, J.; Kamath, P. R.; Spurr, G.; Kyser, J. M.; Mesarovic, M. M. 1974. Heat Dissipation: The Physical Behavior of Heated Effluents in the Atmosphere and Aquatic Systems, Part II. In: Proceedings Conf. on Environmental Effects of Cooling Systems at Nuclear Power Plants, Oslo, Norway, pp. 151-367. Internat. Atomic Energy Agency. Vienna, Austria.
474. David, M. H.; Schroeder, F. J.; Peirce, J. J.; Joeres, E. F.; Braasch, D. A. 1976. Statistical Study of Phosphorus Removal in Wisconsin. J. Environ. Engin. Div., Am. Soc. Civil Engin. 102(EE2): 433-447.
475. Davidson, D. R.; Birchfield, G. E. 1967. A Case Study of Coastal Currents in Lake Michigan. Northwestern University, Dept. of Engin. Sci., Tech. Institute, Tech. Rep. Evanston, Illinois. 14 pp.
476. Davidson, K. L.; Portman, D. J. 1970. An Investigation of the Influence of Water Waves on the Adjacent Airflow. NTIS Rep. No. AD-713 694. 278 pp.
477. Davidson, K. L.; Safley, G. W. 1972. Temperature Fluctuations and Sensible Heat Transfer Above Waves. In: Proceedings 15th Conference Great Lakes Research, pp. 464-476. Internat. Assoc. Great Lakes Res.
478. Davidson, K. T. 1967. The Influence of Stability on Cloud Cover and Incident Solar Radiation over Lake Michigan. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 271-295. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
479. Davies, T. T. 1975. Energy Related Great Lakes Research Programs of the Environmental Protection Agency. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 499-512. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.

480. Davies, T. T. (ed.). 1972. Proceedings 1st Federal Conf. on the Great Lakes, held at Ann Arbor, Michigan, Dec. 13-15, 1972. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. National Environmental Research Center, Grosse Ile, Michigan.
481. Davis, C. C. 1966. Plankton Studies in the Largest Great Lakes of the World. In: University of Michigan, Great Lakes Res. Div., Pub. No. 14, pp. 1-36. Ann Arbor, Michigan.
482. Davis, M. B. 1967. Late-Glacial Climate in Northern United States: A Comparison of New England and the Great Lakes Region. In: Cushing, J. E., and Wright, H. E. (eds.). Quaternary Paleoecology, pp. 11-43. Yale University Press, New Haven, Connecticut.
483. Davis, R. A., Jr. 1964. Sedimentation in the Nearshore Environment, Southeastern Lake Michigan. Ph.D. thesis. University of Illinois at Urbana-Champaign. 141 pp.
484. Davis, R. A., Jr. 1965. Beach Pitting: An Unusual Beach Sand Structure. J. Sed. Petr. 35: 495-496.
485. Davis, R. A., Jr. 1965. Underwater Study of Ripples, Southeastern Lake Michigan. J. Sed. Petr. 35: 857-866.
486. Davis, R. A., Jr. 1970. Coastal Sedimentation of Southeastern Lake Michigan. In: Coastal Sedimentation of Southeastern Lake Michigan, Studies in Geology No. 1, Field Trip Guidebook, Nov. 13, 1970, pp. 32-36.
487. Davis, R. A., Jr. 1971. Systematic Beach Profile Study of Eastern Lake Michigan (1970-1971). U.S. Army Corps of Engineers, Coastal Engin. Res. Center Rep. No. DACW72-70-C-0037. Fort Belvoir, Virginia. 54 pp.
488. Davis, R. A., Jr. 1973. Coastal Ice Formation and Its Effect on Beach Sedimentation. Shore and Beach 41(1): 3-9.
489. Davis, R. A., Jr. 1973. Systematic Beach Profile Study on Eastern Lake Michigan Beaches. U.S. Army Corps of Engineers, Coastal Engin. Res. Center, Fort Belvoir, Virginia.
490. Davis, R. A., Jr. 1975. Predictive Models and Model Specifications for Recession Rate Analysis: Modeling and Erosion on Lake Michigan. In: Proceedings of the Recession Rate Workshop, pp. 199-218. Great Lakes Basin Commission. Ann Arbor, Michigan.
491. Davis, R. A., Jr. 1976. Coastal Changes, Eastern Lake Michigan, 1970-73. U.S. Army Corps of Engineers, Coastal Engin. Res. Center, Tech. Paper No. 76-16. Fort Belvoir, Virginia. 64 pp.
492. Davis, R. A., Jr. 1976. Coastal Erosion in Eastern Lake Michigan. In: Proceedings 3rd Federal Inter-Agency Sediment Conf., pp. 6.51-6.61.

493. Davis, R. A., Jr. 1976. Lake Michigan Erosion: Have We Learned Anything? In: Rukavina, N. A. (ed.). Proceedings of a Workshop on Great Lakes Coastal Erosion and Sedimentation, Nov. 29-30, 1976, pp. 75-79. Canada Centre for Inland Waters. Burlington, Ontario.
494. Davis, R. A., Jr.; Ethington, R. L. (eds.). 1976. Beach and Nearshore Sedimentation. Soc. Econ. Paleontol. Mineral. Spec. Pub. No. 24. Tulsa, Oklahoma. 187 pp.
495. Davis, R. A., Jr.; Fingleton, W. G. 1972. Systematic Beach Profile Study of Eastern Lake Michigan, 1971-1972. U.S. Army Corps of Engineers, Coastal Engin. Res. Center Rep. No. DACW 72-70-0039. Fort Belvoir, Virginia. 40 pp.
496. Davis, R. A., Jr.; Fingleton, W. G.; Pritchett, P. C. 1975. Beach Profile Changes: East Coast of Lake Michigan, 1970-1972. U.S. Army Corps of Engineers, Coastal Engin. Res. Center Rep. No. CERC-MP-10-75. Fort Belvoir, Virginia. 98 pp.
497. Davis, R. A., Jr.; Fox, W. T. 1971 Beach and Nearshore Dynamics in Eastern Lake Michigan. Office of Naval Res., Contract No. 388-092, Tech. Rep. No. 4. Washington D.C. 145 pp.
498. Davis, R. A., Jr.; Fox, W. T. 1972. Four-Dimensional Model for Beach and Inner Nearshore Sedimentation. J. Geol. 80: 484-493.
499. Davis, R. A., Jr.; Fox, W. T. 1972. Coastal Processes and Nearshore Sand Bars. J. Sed. Petr. 42(2): 401-412.
500. Davis, R. A., Jr.; Fox, W. T. 1974. Simultaneous Process-Response Study on the East and West Coasts of Lake Michigan. NTIS Rep. No. AD/A-005 647/3SL. Contract No. N00014-69-C-0151. 70 pp.
501. Davis, R. A., Jr.; Fox, W. T. 1974. Beach and Nearshore Sedimentation, Western Lake Michigan. In: Collinson, C., Lineback, J., DuMontelle, P. B., Brown, D. C., Davis, R. A., Jr., and Larsen, C. E. Coastal Geology, Sedimentology, and Management: Chicago and the Northshore, pp. 28-34. Ill. State Geol. Surv. Guideb. 12. Champaign, Illinois.
502. Davis, R. A., Jr.; Fox, W. T. 1975. Process-Response Patterns in Beach and Nearshore Sedimentation. I. Mustang Island, Texas. J. Sed. Petr. 45(4): 852-865.
503. Davis, R. A., Jr.; Fox, W. T. 1975. Beach and Nearshore Sedimentation, Western Lake Michigan. Ill. State Geol. Surv. Prepared for the Illinois Coastal Zone Manag. Prog. Champaign, Illinois. 15 pp.
504. Davis, R. A., Jr.; Fox, W. T. 1976. Beach and Nearshore Dynamics, Stevensville, Michigan, 1969 to 1972. In: Wood, W. L., Gutschick, R. C., Gonsiewski, J., Davis, R. A., Jr., Fox, W. T., Brater, E. F., Armstrong, J. M., and McGill, M. Field Trip Guidebook of the Coastal and Environmental Geology of Southeastern Lake Michigan, pp. 105-112. Western Michigan University. Dept. Geol. Geol. Soc. Am., North Central Sect. Kalamazoo, Michigan.

505. Davis, R. A., Jr.; Fox, W. T. 1976. Simultaneous Process-Response Study on the East and West Coasts of Lake Michigan. *J. Great Lakes Res.* 2(1): 27-32.
506. Davis, R. A., Jr.; Fox, W. T.; Hayes, M. O.; Boothroyd, J. C. 1972. Comparison of Ridge and Runnel Systems in Tidal and Non-Tidal Environments. *J. Sed. Petr.* 42(2): 413-421.
507. Davis, R. A., Jr.; Fox, W. T.; Hayes, M. O.; Boothroyd, J. C. 1971. Comparison of Ridge and Runnel Systems in Tidal and Non-Tidal Environments. Western Michigan University Tech. Rep. No. WMU-8, TR-8. 12 pp.
508. Davis, R. A., Jr.; McGeary, D. 1965. Stability in Nearshore Bottom Topography and Sediment Distribution, Southeastern Lake Michigan. In: *Proceedings 8th Conference Great Lakes Research*, pp. 222-231. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
509. Davis, R. A., Jr.; Seibel, E.; Fox, W. T. 1973. Coastal Erosion in Eastern Lake Michigan--Causes and Effects. In: *Proceedings 16th Conference Great Lakes Research*, pp. 404-412. Internat. Assoc. Great Lakes Res.
510. Davis, S. E. 1976. A Study of Vegetation in Relation to Coastal Formation and Stability in the Indiana Dunes National Lakeshore. Master's thesis. Purdue University.
511. Day, H. J.; Joeres, E. F. 1975. Political and Technical Interdependencies in the Green Bay Estuary: A Preliminary Analysis. *J. Mar. Tech. Soc.* 9(5): 3-8.
512. DeCooke, B. G. 1961. Forecasting Great Lakes Levels. In: *Proceedings 4th Conference Great Lakes Research*, pp. 79-84. University of Michigan, Great Lakes Res. Div., Pub. No. 7. Ann Arbor, Michigan.
513. DeCooke, B. G. 1967. Control of Great Lakes Water Levels. *J. Am. Water Works Assoc.* 59(6): 689-698; and U.S. Army Corps of Engineers, U.S. Lake Survey Misc. Paper No. 67-1.
514. DeCooke, B. G. 1968. The Great Lakes Water Levels Problem. *Limnos* 1(1): 22-26.
515. DeCooke, B. G. 1968. Great Lakes Regulation. In: *Proceedings 11th Conference Great Lakes Research*, pp. 627-639. Internat. Assoc. Great Lakes Res.; and U.S. Army Corps of Engineers, U.S. Lake Survey, Misc. Paper No. 69-1.
516. DeCooke, B. G. 1968. Regulation of Great Lakes Levels and Flows. In: *Proceedings Great Lakes Water Resources Conf.*, June 24-26, 1968, Toronto, Ontario, pp. 249-276. Engin. Institute of Canada and Am. Soc. Civil Engin.

517. DeCooke, B. G.; Megerian, E. 1967. Forecasting the Levels of the Great Lakes. *Water Resour. Res.* 3(2): 397-403; and U.S. Army Corps of Engin., Lake Survey Misc. Paper 67-2.
518. DeGraeve, G. M.; Reynolds, J. B. 1975. Feeding Behavior and Temperature and Light Tolerance of *Mysis relicta* in the Laboratory. *Trans. Am. Fish. Soc.* 104(2): 394-397.
519. DeMuth, P. R. 1970. A Study of the Growth Characteristics of the Whitefish Population of Green Bay. *Summer Sci. J.* 2(1): 1-23.
520. Dean, J.; Cleary, F. L.; Hundt, K. W. 1976. Preliminary Historic Structures Survey: Wisconsin's Great Lakes Counties. Wisconsin Dept. of Admin., Coastal Manag. Development Prog. Madison, Wisconsin. 312 pp. + Maps.
521. Deevey, E. S.; Deevey, G. B. 1971. The American Species of *Eubosmina seligo* (Crustacea, Cladocera). *Limnol. Oceanogr.* 16: 201-218.
522. Degurse, P. E.; Crockett, D.; Nielson, H. R. 1973. Observations on Lake Michigan Coho Salmon (*Oncorhynchus kisutch*) Propagation Mortality in Wisconsin with an Evaluation of the Pesticide Relationship. Wisconsin Dept. Nat. Resour., Fish Manag. Rep. No. 62. Madison, Wisconsin. 11 pp.
523. Deininger, R. A. 1968. Preliminary Research Design of the Water Quantity Subsystem of the Great Lakes. In: *Analysis of Water and Water Related Research Requirements in the Great Lakes Region*, Appendix E, pp. 81-86. U.S. Dept. of the Interior, Office of Water Resour. Res. Washington, D.C.
524. Delfino, J. J. 1976. Great Lakes: Chemical Monitoring. *Environ. Sci. Technol.* 10(10): 986-990.
525. Delfino, J. J. 1976. Chemical Research in the Great Lakes. In: *Proceedings Symposium on Chemistry of the Great Lakes*. Am. Chem. Soc., 10th Great Lakes Regional Meeting, June 17-18, 1976, Evanston, Illinois.
526. Delinck, H. J.; Lambie, M. O. 1971. Phytoplankton Study, Project III. Industrial Bio-Test Laboratories. Northbrook, Illinois. 18 pp.
527. Deller, H. A. 1971. An Analysis of Selected Shore Zone Characteristics of the Upper Door Peninsula of Wisconsin. Master's thesis. University of Wisconsin-Milwaukee.
528. Denison, P. J.; Elder, F. C. 1970. Thermal Inputs to the Great Lakes 1968-2000. In: *Proceedings 13th Conference Great Lakes Research*, Part 2, pp. 811-828. Internat. Assoc. Great Lakes Res.
529. Dennis, J. V. 1960. Oil Pollution Survey of the Great Lakes with U.S. Territorial Limits. Amer. Petrol. Inst. Div. of Transportation. Washington, D.C. 22 pp.

- 530a. Derecki, J. A. 1976. Great Lakes Beginning-of-Month Levels. NOAA Great Lakes Environmental Research Lab., Final Rep. on Task 7.6. Ann Arbor, Michigan.
- 530b. Derecki, J. A. 1976. Hydrometeorology: Climate and Hydrology of the Great Lakes. In: Great Lakes Basin Framework Study, Appendix 4. Limnology of Lakes and Embayments, pp. 71-104. Great Lakes Basin Commission. Ann Arbor, Michigan.
531. Deutscher, P. 1976. The Usage of Biocides, Fertilizers, and Road Salts in the Great Lakes Basin: Projections to 2020. International Joint Commission, International Reference Group On Great Lakes Pollution From Land Use Activities. PLUARG Task B-5 Land Use Forecasts. 72 pp. (Unpublished).
532. Dewey, K. F. 1970. Lake-Effect Snowfall and Some Implications for a Great Lakes Air Pollution Model. Northern Illinois University, Dept. of Geography. DeKalb, Illinois. 43 pp.
533. Dietz, A. L. 1973. Computer Simulation of Recreational Boating Activities. Water Resour. Bull. 9(3): 494-498.
534. Dingell, J. D. 1968. Great Lakes Pollution. In: The Great Lakes--How Many Masters Can They Serve? 11th Annual Conference, pp. 19-26. Michigan Nat. Resour. Council. Lansing, Michigan.
535. Ditton, R. B. 1972. The Social and Economic Significance of Recreation Activities in the Marine Environment. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-72-211. Green Bay, Wisconsin. 11 pp.
536. Ditton, R. B.; Goodale, T. L. 1972. Recreational Uses of Green Bay: Bay/Non-Bay Users Compared. In: Proceedings 15th Conference Great Lakes Research, pp. 729-736. Internat. Assoc. Great Lakes Res.
537. Ditton, R. B.; Goodale, T. L. 1972. Marine Recreational Uses of Green Bay: A Study of Human Behavior and Attitude Patterns. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-72-217. Madison, Wisconsin. 228 pp.
538. Ditton, R. B.; Goodale, T. L. 1972. Water Quality Perception and the Recreational Uses of Green Bay, Lake Michigan. University of Wisconsin Sea Grant Program Reprint No. WIS-SG-73-340; and NOAA Rep. No. NOAA-73101003. 12 pp.
539. See 540.
540. Ditton, R. B.; Goodale, T. L. 1973. Water Quality Perception and the Recreational Uses of Green Bay, Lake Michigan. Water Resour. Res. 9(3): 569-579.

541. Ditton, R. B.; Johnsen, P. K. 1973. Water Quality Perception and the Recreational Uses of Green Bay: The School Age Population. In: Proceedings 16th Conference Great Lakes Research, pp. 890-899. Internat. Assoc. Great Lakes Res.
542. Ditton, R. B.; Johnsen, P. K. 1974. Marine Recreational Uses of Green Bay: A Survey of Human Behavior and Attitude Patterns of High School Juniors and Seniors. University of Wisconsin Sea Grant Program Spec. Rep. No. WIS-SG-74-500. Madison, Wisconsin.
543. Ditton, R. B.; Johnsen, P. K. 1974. A Survey of Recreation Behavior and Attitude Patterns of High School Juniors and Seniors: Implications for Environmental Education and Resource Management. University of Wisconsin Sea Grant Program Advisory Rep. No. WIS-SG-74-405. Madison, Wisconsin. 12 pp.
544. Ditton, R. B.; Strang, W. A. 1975. Wisconsin's Lake Michigan Charter Fishing Industry. University of Wisconsin Sea Grant Program Advisory Rep. No. WIS-SG-75-411. Madison, Wisconsin; and NOAA Rep. No. NOAA-75080509. 26 pp.
545. Dobson, W. D. 1972. Aquaculture: Economic Feasibility in the Great Lakes. In: Weimer, L., Burroughs, T., and Katzel, J. (eds.). Proceedings 4th National Sea Grant Conf., pp. 89-98. University of Wisconsin Sea Grant Program Public Info. Rep. No. WIS-SG-72-112. Madison, Wisconsin.
546. Dodge, K. E. 1968. Food Habits of the Yellow Perch, *Perca flavescens* (Mitchill), in Little Bay de Noc, Lake Michigan. Master's thesis. Michigan State University. 48 pp.
547. Dohler, G. C.; MacKenzie, R. J. D. 1969. A Discussion on the Interpretation of High and Low Water Datum Planes in the Great Lakes. In: Proceedings 12th Conference Great Lakes Research, pp. 415-440. Internat. Assoc. Great Lakes Res.
548. Doneth, J. 1975. Materials Usage in the U.S. Great Lakes Basin. International Joint Commission, International Reference Group on Great Lakes Pollution from Land Use Activities Task Group B (U.S. Section) in cooperation with the Great Lakes Basin Commission. 319 pp.
549. Donnan, B. C. 1961. Offshore Exploration in Great Lakes Region. Am. Assoc. Petrol. Geol. Bull. 45(11): 1847-1858.
550. Dooley, J. C., Jr. 1976. Fumigation from Power Plant Plumes in the Lakeshore Environment. Master's thesis. University of Wisconsin-Milwaukee; and University of Wisconsin-Milwaukee, Air Pollut. Analysis Laboratory Rep. No. 18. Milwaukee, Wisconsin. 119 pp.

551. Dorr, J. A., III. 1974. Underwater Operations in Southeastern Lake Michigan near the Donald C. Cook Power Plant During 1973. In: Seibel, E., and Ayers, J. C. (eds.). The Biological, Chemical, and Physical Character of Lake Michigan in the Vicinity of the Donald C. Cook Nuclear Plant, pp. 465-475. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 51. Ann Arbor, Michigan.
552. Dorr, J. A., III. 1976. Visual Observations of the Intake and Discharge Structures and Control Areas. In: Environmental Operating Report, Donald C. Cook Nuclear Power Plant Unit 1, July 1, 1975 through Dec. 31, 1975, Appendix A-1. Indiana and Michigan Power Co.
553. Dorr, J. A., III; Jude, D. J.; Tesar, F. J.; Thurber, N. J. 1976. Identification of Larval Fishes Taken from Inshore Waters of Southeastern Lake Michigan Near the Donald C. Cook Nuclear Plant, 1973-1975. In: Boreman, J. (ed.). Great Lakes Fish Egg and Larvae Identification, pp. 61-82. U.S. Fish Wildl. Serv., FWS/OBS-73/23. Ann Arbor, Michigan.
554. Dorr, J. A., III; Miller, T. J. 1975. Benton Harbor Power Plant Limnological Studies, Part XXII. Underwater Operations in Southeastern Lake Michigan near the Donald C. Cook Nuclear Plant during 1974. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 32 pp.
555. Downs, W. 1974. Fish of Lake Michigan. University of Wisconsin Sea Grant Program Public Info. Rep. No. WIS-SG-74-121. Madison, Wisconsin. 32 pp.
556. Drake, P. L. 1974. A Look at Rosewood Beach, Highland Park, Illinois. Honor's thesis. University of Illinois at Urbana-Champaign. 24 pp. + Appendices.
557. Drake, P. L.; Anchor, C. K.; Berg, R. C.; Collinson, C. 1976. Map Atlas: Maps of Shore and Nearshore Structures, Shore and Bluffline Positions, the 100-Year Anticipated Recession Line and Shore Ownership. Ill. State Geol. Surv. Prepared for the Illinois Coastal Zone Manag. Prog. Champaign, Illinois. 56 pp.
558. Drake, P. L.; Norby, R. D.; Schram, J. M.; Poyner, P. L.; Larimore, M. S. 1976. Map Appendix: Hydrography of the Lake Michigan Nearshore Between Evanston and Jackson Park, Chicago. Ill. State Geol. Surv. Prepared for the Illinois Coastal Zone Manag. Prog. Champaign, Illinois. 28 pp.
559. Drake, P. L.; Schram, J. M.; Norby, R. D.; Collinson, C. 1976. Special Maps of Waukegan Harbor, Wilmette Harbor, and Chicago-Burnham Harbors. Illinois Coastal Zone Manag. Prog., Second Year Work Product, Map Appendix, 3 maps.
560. Dreimanis, A.; Karrow, P. F. 1972. Glacial History of the Great Lakes - St. Lawrence Region, The Classification of the Wisconsin(an) Stage, and Its Correlatives. In: Proceedings 24th Internat. Geol. Congress, pp. 5-15. Montreal, Quebec.

561. Drongowski, R. A. 1972. Thyroid and LDH Activity in Coho Salmon from West Coast and Lake Michigan Regions. Master's thesis. Western Michigan University. 39 pp.
562. Drongowski, R. A.; Wood, J. S.; Bouck, G. R. 1975. Thyroid Activity in Coho Salmon from Oregon and Lake Michigan. *Trans. Am. Fish. Soc.* 104(2): 349-352.
563. DuBois, R. N. 1972. Inverse Relation Between Foreshore Slope and Mean Grain Size as a Function of the Heavy Mineral Content. *Geol. Soc. Am. Bull.* 83(3): 871-875. (See also 572., 573.)
564. DuBois, R. N. 1973. Seasonal Variation of a Limnic Beach. *Geol. Soc. Am. Bull.* 84(5): 1817-1824. (See also 572., 573.)
565. DuBois, R. N. 1974. Seasonal Variation of a Limnic Beach: Reply. *Geol. Soc. Am. Bull.* 85(1): 158. (See also 572., 573.)
566. DuMontelle, P. B. 1974. Engineering Geology of the Lake Michigan Bluffs from Wilmette to Waukegan, Illinois. In: Collinson, C., Lineback, J. A., DuMontelle, P. B., Brown, D. C., Davis, R. A., Jr., and Larsen, C. E. *Coastal Geology, Sedimentology, and Management: Chicago and the Northshore*, pp. 35-36. Ill. State Geol. Surv. Guideb. 12. Champaign, Illinois.
567. DuMontelle, P. B.; Stoffel, K. L.; Brossman, J. J. 1975. Foundation and Earth Materials of the Lake Michigan Till Bluffs. In: *First Year Work Product, Vol. II: Coastal Geological Studies. Ill. Coastal Zone Manag. Prog.* 20 pp.
568. DuMontelle, P. B.; Stoffel, K. L.; Brossman, J. J. 1976. Hydrogeologic, Geologic and Engineering Aspects of Surficial Materials on the Lake Michigan Shore in Illinois. *Illinois Coastal Zone Manag. Prog., Second Year Work Product, Vol. II. Coastal Geological Studies.* 33 pp. + Appendices. Champaign, Illinois. 98 pp.
569. DuMontelle, P. B.; Stoffel, K. L.; Brossman, J. J. 1976. Correlation of Geologic Materials and Bluff Stability Along the Lake Michigan Shoreline from Winnetka to North Chicago. *Assoc. Engin. Geol., 19th Annual Meeting. Oct. 4-7, 1976. Cherry Hill, New Jersey.* 14 pp.
570. Duane, D. B.; Saylor, J. H. 1966. Portable Great Lakes Research Towers. In: *Proceedings 9th Conference Great Lakes Research*, pp. 295-300. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.
571. Dube, D. J. 1972. Distribution of PCB's in Sewage Treatment Plants in Southeastern Wisconsin. Master's thesis. University of Wisconsin-Madison. 44 pp.
572. DuBois, R. N. 1972. Seasonal Variations in Beach and Nearshore Morphology and Sedimentology Along a Profile of Lake Michigan, Wisconsin. Ph.D. thesis. University of Wisconsin-Madison. 165 pp. (See also 563., 564., 565.)

573. DuBois, R. N. 1975. Support and Refinement of the Bruun Rule on Beach Erosion. *J. Geol.* 83(5): 651-657. (See also 563., 564., 565.)
574. Dugas, W. A.; Mecum, K. P. 1975. General Climate and Storm Episodes Related to Erosion on the Southwestern Shore of Lake Michigan. In: First Year Work Product, Vol. II: Coastal Geological Studies. III. Coastal Zone Manag. Prog. 20 pp.
575. Dunn, W. E.; Policastro, A. J.; Paddock, R. A. 1975. Surface Thermal Plumes: Evaluation of Mathematical Models for the Near and Complete Field. Part 1. Argonne National Laboratory Rep. No. ANL/WR-75-3, Part 1. Argonne Illinois. 397 pp.
576. Dunn, W. E.; Policastro, A. J.; Paddock, R. A. 1975. Surface Thermal Plumes: Evaluation of Mathematical Models for the Near and Complete Field. Part 2. Argonne National Laboratory Rep. No. ANL/WR-75-3, Part 2. Argonne, Illinois. 531 pp.
577. Dunst, R. C.; Born, S. M.; Uttormark, P. D.; Smith, S. A.; Peterson, J. O.; Knauer, D. R.; Serns, S. L.; Winter, D. R.; Wirth, T. L.; Nichols, S. A. 1974. Survey of Lake Rehabilitation Techniques and Experiences. Wisconsin Dept. Nat. Resour. Tech. Bull. No. 75. Madison, Wisconsin. 179 pp.
578. Dworsky, L. B.; Swezey, C. F. (eds.). 1974. The Great Lakes of the United States and Canada-A Reader on Management Improvement Strategies. Report of the Canada-United States Inter-University Seminar, "A Proposal for Improving the Management of the Great Lakes of the United States and Canada". Cornell University. Ithaca, New York.
579. Dymond, J. R. 1964. The Fisheries of the Great Lakes. In: Dymond, J. R. (ed.). Fish and Wildlife, A Memorial to W.J.K. Harkness, Ch. VII, pp. 73-91. Longmans Canada Ltd., Toronto, Ontario.
580. ENCOTEC. 1976. Sediment Analysis for Waukegan Harbor. Report to Martin, Craig, Chester, and Sonnenschein. Ann Arbor, Michigan.
581. Ebel, W. J. 1962. A Photoelectric Amplifier as a Dye Detector. In: Great Lakes Fishery Comm. Tech. Rep. No. 4. pp. 19-26. Ann Arbor, Michigan.
582. Edge, B. L. 1970. An Analysis of a Deep-Water Structure for the Great Lakes. In: Proceedings 13th Conference Great Lakes Research, pp. 337-346. Internat. Assoc. Great Lakes Res.
583. Edgington, D. N.; Alberts, J. J.; Wahlgren, M. A.; Karttunen, J. O.; Reeve, C. A. 1976. Plutonium and Americium in Lake Michigan Sediments. In: Proceedings Internat. Symposium on Transuranium Nuclides in the Environment, Nov. 17-21, 1975, San Francisco, California, pp. 493-516. Internat. Atomic Energy Agency. Vienna, Austria.

584. Edgington, D. N.; Callender, E. 1970. Minor Element Geochemistry of Lake Michigan Ferromanganese Nodules. *Earth Planet. Sci. Lett.* 8: 97-100; and In: Argonne National Laboratory, Radiol. Physics Div., Annual Report, July 1969-Dec., 1970, ANL 7760, Part III, pp. 39-44.
585. Edgington, D. N.; Harvey, E.; Torrey, M. S. 1972. A Preliminary Study of the Chemical Composition of the Opossum Shrimp, *Mysis relicta*. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1972. ANL-7960, Part III, pp. 19-24. Argonne, Illinois.
586. Edgington, D. N.; Lucas, H. F., Jr. 1971. A Semi-Automatic Method of Neutron Activation Analysis with Application to Environmental Studies. In: Welsh, C. N. (ed.). *Proceedings Symposium on Nuclear Techniques in Environmental Pollution*, Oct. 26-30, 1970, Salzburg, Austria, pp. 311-322. Internat. Atomic Energy Agency, Vienna, Austria.
587. Edgington, D. N.; Ritchie, J. C.; Robbins, J. A. 1975. Comments on the Paper: Use of Rivers to Predict Accumulation in Sediment of Radionuclides Discharged from Nuclear Power Plants, by P. Plato. *Health Phys.* 29: 429-431.
588. Edgington, D. N.; Robbins, J. A. 1974. The Application of Natural and Fallout Radionuclides to Studies of Sedimentation in Lake Michigan. In: *Proceedings of the 2nd Internat. Conf. on Nuclear Methods in Environmental Research*, pp. 443-458. University of Missouri, Columbia, Missouri.
589. Edgington, D. N.; Robbins, J. A. 1975. Patterns of Deposition of Plutonium and Fallout Radionuclides in the Sediments of Lake Michigan and their Relation to Limnological Processes. In: Nriagu, J. O. (ed.). *Environmental Biogeochemistry*, pp. 705-729. Ann Arbor Science Publishers, Ann Arbor, Michigan.
590. Edgington, D. N.; Robbins, J. A. 1975. The Behavior of Plutonium and Other Long-Lived Radionuclides in Lake Michigan. II. Patterns of Deposition in the Sediments. In: *Proceedings Symposium on Impacts of Nuclear Releases into the Aquatic Environment*, June 30-July 4, 1975, Ontaniemi, Finland, pp. 245-260, Internat. Atomic Energy Agency, Vienna, Austria.
591. Edgington, D. N.; Robbins, J. A. 1976. Patterns of Deposition of Radionuclides in Sediments. In: *Symposium on Nonbiological Transport and Transformation Pollutants on Land and Water*, pp. 32-38. Argonne National Laboratory, Argonne, Illinois.
592. Edgington, D. N.; Robbins, J. A. 1976. Records of Lead Deposition in Lake Michigan Sediments Since 1800. *Environ. Sci. Technol.* 10(3): 266-274.
593. Edgington, D. N.; Robbins, J. A.; Karttunen, J. O. 1974. The Distribution of Pb-210 and Stable Lead in Lake Michigan Sediments. In: Argonne National Laboratory RER Div. Annual Report, Jan.-Dec., 1973, ANL-8060, Part III, pp. 63-76. Argonne, Illinois.

594. Edgington, D. N.; Thommes, M. M.; Callender, E. 1972. Studies of Recent Sedimentation in Green Bay. In: Argonne National Laboratory, Radiol. Physics Div. Annual Report, Jan.-Dec., 1971. ANL-7860, Part III, pp. 64-76. Argonne, Illinois.
595. Edgington, D. N.; Thommes, M. M.; Gassman, A. F.; Cutler, R. M. 1970. The Concentration of Mercury in Fish Taken from Lakes Erie, Michigan, and Superior. Argonne National Laboratory, Radiol. Phys. Div. Annual Report, July 1969-December 1970, ANL-7760, Part III, pp. 30-38.
596. Edgington, D. N.; Wahlgren, M. A.; Marshall, J. S. 1976. The Behavior of Plutonium in Aquatic Ecosystems: A Summary of Studies on the Great Lakes. In: Miller, M. W., and Stannard, S. N. (eds.). Environmental Toxicity of Aquatic Radionuclides: Models and Mechanisms, pp. 45-75. Ann Arbor Science Publishers, Ann Arbor, Michigan.
597. Edil, T. B.; Vallejo, L. E. 1976. Shoreline Erosion and Landslides in the Great Lakes. University of Wisconsin Sea Grant Program Advisory Rep. No. WIS-SG-76-415. Madison, Wisconsin. 7 pp.
598. Edsall, T. A. 1964. Feeding by Three Species of Fishes on the Eggs of Spawning Alewives. *Copeia* 1964: 226-227.
599. Edsall, T. A. 1970. A Hermaphroditic Coregonine from Lake Michigan. *Trans. Am. Fish. Soc.* 99(3): 611.
600. Edsall, T. A. 1970. The Effect of Temperature on the Rate of Development and Survival of Alewife Eggs and Larvae. *Trans. Am. Fish. Soc.* 99(2): 376-380.
601. Edsall, T. A. 1971. Fishery Resources of the Coastal Zone Waters of the Great Lakes. U.S. Fish Wildl. Serv., Great Lakes Fishery Laboratory. Coastal Zone Manag. Conf., Report Presented. Traverse City, Michigan.
602. Edsall, T. A. 1975. Electric Power Generation and Its Influence on Great Lakes Fish. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 453-462. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
603. Edsall, T. A.; Brown, E. H., Jr.; Yocum, T.; Wolcott, R. 1974. Utilization of Alewives by Coho Salmon in Lake Michigan. Great Lakes Fishery Laboratory Administrative Report. Ann Arbor, Michigan.
604. Edsall, T. A.; Saxon, M. I. 1968. Two Hermaphroditic Alewives from Lake Michigan. *Copeia* 1968(2): 406-407.
605. Effer, W. R.; Gibbons, J. W.; Leynaud, G.; Kolehmainen, S.; Hawes, F. B.; Vaillancourt, G.; Khalanski, M. 1974. Environmental Effects of Thermal Discharges On Biota and Aquatic Ecosystems, Part I. In: Proceedings Conf. on Environmental Effects of Cooling Systems at Nuclear Power Plants, Oslo, Norway, pp. 371-498. Internat. Atomic Energy Agency. Vienna, Austria.

606. Eichenlaub, V. L. 1970. Lake Effect Snowfall to the Lee of the Great Lakes: Its Role in Michigan. *Bull. Am. Meteorol. Soc.* 51: 403-412.
607. Elder, F. C. 1964. A Facility for Air-Sea Interaction Study of Lake Michigan. In: *Proceedings 7th Conference Great Lakes Research*, pp. 228-237. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
608. Elder, F. C. 1965-1967. An Investigation of Atmospheric Turbulent Transfer Processes Over Water. University of Michigan, Dept. of Meteorol. and Oceanogr. Ann Arbor, Michigan. 4 Volumes.
609. Elder, F. C.; Soo, H. K. 1967. An Investigation of Atmospheric Turbulent Transfer Processes Over Water. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 29. Ann Arbor, Michigan. 46 pp.
610. Elzerman, A. W. 1976. Surface Microlayer-Microcontaminant Interactions in Freshwater Lakes. Ph.D. thesis. University of Wisconsin-Madison. 278 pp.
611. Emery, L. 1976. Fish Inhabiting U.S. Waters of the Great Lakes, with Indications of their Relative Abundance and of their Importance as Commercial, Sport, or Forage Species. In: Boreman, J. (ed.). *Great Lakes Fish Egg and Larvae Identification*, pp. 19-25. U.S. Fish Wildl. Serv., FWS/OBS-73/23. Ann Arbor, Michigan.
612. Emmling, P. J. 1976. Factors Affecting the Distribution of Sphaeriidae (Mollusca: Pelecypoda) in the Milwaukee Harbor, Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee. 147 pp.
613. See 614.
614. Engin. Institute of Canada; Am. Soc. Civil Engin. 1968. *Proceedings of Great Lakes Water Resources Conference*, June 24-26, 1968, Toronto, Canada. Engin. Institute of Canada and Am. Soc. Civil Engin. 489 pp. and Appendix.
615. Envirex, Inc. 1975. Lake Michigan Water Quality Surveys Conducted during Summer and Fall of 1974. *Envirex Environ. Sci. Div.*, DE 86. 146 pp.
616. Epstein, E.; Bryans, M.; Mezei, D.; Patterson, D. J. 1974. Lower Green Bay: An Evaluation of Existing and Historical Conditions. Wisconsin Dept. Nat. Resour. Rep.; and U.S. Environmental Protection Agency Rep. No. EPA-905/9-74-006. 281 pp.
617. Eschmeyer, P. H. 1964. The Lake Trout (*Salvelinus namaycush*). U.S. Fish Wildl. Serv. Fish. Leaf. 555. 8 pp.
618. Evans, E. 1973. A Biological Investigation of Colored Water Seepage to Lake Michigan at Portland Medusa Cement Company, Charlevoix, Michigan, July 24, 1972. Michigan Dept. Nat. Resour., Michigan Water Resour. Commission. Lansing, Michigan. 5 pp.

619. Evans, M. S. 1975. The 1975 Preoperational Zooplankton Investigations Relative to the Donald C. Cook Nuclear Power Plant. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 58. Ann Arbor, Michigan. 187 pp.
620. Evans, M. S.; Hawkins, B. E. 1975. An Examination of the Spatial Heterogeneities in the Distribution of Zooplankton During the Major Survey Cruises. In: Evans, M. S. (ed.). The 1974 Preoperational Zooplankton Investigations Relative to the Donald C. Cook Nuclear Plant, pp. 70-96. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 58. Ann Arbor, Michigan.
621. Evenson, E. B. 1972. Late Pleistocene Shorelines and Stratigraphic Relationships in the Lake Michigan Basin. Ph.D. thesis. University of Michigan. 114 pp.
622. Evenson, E. B. 1973. Late Pleistocene Shorelines and Stratigraphic Relations in the Lake Michigan Basin. Geol. Soc. Am. Bull. 84: 2281-2298.
623. Evenson, E. B.; Eschman, D. F.; Farrand, W. R. 1973. The "Valderan" Problem, Lake Michigan Basin. University of Michigan, 22nd Annual Field Conference, Midwest Friends of the Pleistocene. Ann Arbor, Michigan. 59 pp.
624. Evenson, E. B.; Farrand, W. R.; Eschman, D. F. 1974. Late Pleistocene Shorelines and Stratigraphic Relations in the Lake Michigan Basin: Reply. Geol. Soc. Am. Bull. 85: 661-664.
625. Evenson, E. B.; Farrand, W. R.; Eschman, D. F.; Mickelson, D. M.; Maher, L. J. 1976. Greatlakean Substage: A Replacement for Valderan Substage in the Lake Michigan Basin, USA. Quat. Res. 6(3): 411-424.
626. Evers, R. A. 1963. Some Unusual Natural Areas in Illinois and a Few of their Plants. Illinois Dept. of Registration and Education, Natural History Survey Div., Biol. Notes No. 50. Champaign, Illinois. 32 pp.
627. Faber, R. A.; Hickey, J. J. 1973. Eggshell Thinning, Chlorinated Hydrocarbons and Mercury in Inland Aquatic Bird Eggs, 1969 and 1970. Pestic. Monit. J. 7(1): 27-36.
628. Fait, R. G. 1971. Water Resources Policy in Wisconsin, Volume II. Appendix. General Supporting Studies. Selection of Phosphorus Removal Alternatives. Office Water Resour. Res. Rep. No. OWRR-B-038-WIS(3), W72-04079. Madison, Wisconsin; and NTIS Rep. No. PB-206 222. 148 pp.
629. Fancher, H. L. 1975. Onshore Versus Offshore Phytoplankton Assemblages at Two Areas in Lake Michigan near Milwaukee, Wisconsin. Master's thesis. University of Wisconsin-Milwaukee. 51 pp.
630. Farlow, J. S. 1965. A Field Technique Used for Horizontal Diffusion Studies in Lakes Michigan and Erie. In: Proceedings 8th Conference Great Lakes Research, pp. 299-303. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.

632. Fast, M. 1962. Some Thoughts on Great Lakes Public Policy. In: Proceedings 5th Conference Great Lakes Research, pp. 195-199. University of Michigan, Great Lakes Res. Div., Pub. No. 9. Ann Arbor, Michigan.
633. Fay, L. D.; Kaufmann, O. W.; Ryel, L. A. 1965. Mass Mortality of Water-Birds in Lake Michigan 1963-64. In: Proceedings 8th Conference Great Lakes Research, pp. 36-46. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
634. Federal Council for Sci. and Technol., Committee on Oceanogr. 1966. Aquatic Sciences in the Great Lakes Area. U.S. Dept. of Commerce, Office of Regional Economic Development, ICO Informal Report No. 4, Vols. I and II. Washington, D.C. 36 pp. and 51 pp.
635. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. 1975. Federal Water-Related Research, Development and Management Programs in the Great Lakes Region. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. 185 pp.
636. Fee, E. J. 1968. Digital Computer Programs for the Defant Method of Seiche Analysis. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 4. Milwaukee, Wisconsin. 27 pp.
637. Fee, E. J. 1969. Digital Computer Programs for Spectral Analysis of Time Series. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 6. Milwaukee, Wisconsin. 17 pp. + appendices.
638. Fee, E. J. 1971. Digital Computer Programs for Estimating Primary Production, Integrated Over Depth and Time, in Water Bodies. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 14. Milwaukee, Wisconsin. 42 pp.
639. Fee, E. J. 1972. A Numerical Model for Determining Integral Primary Production and Its Application to Lake Michigan. Ph.D. thesis. University of Wisconsin-Milwaukee. 208 pp.
640. Fee, E. J. 1973. A Numerical Model for Determining Integral Primary Production and Its Application to Lake Michigan. J. Fish. Res. Board Can. 30(10): 1447-1468.
641. Ferrante, J. G.; Parker, J. I.; Marshall, J. S. 1975. Role of Copepod Fecal Pellets in the Vertical Transport of Freshwater Diatoms. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 1-8. Argonne, Illinois.
642. Fetterolf, C. M., Jr. 1970. Considering the Environmental Effects of Energy Generation on Lake Michigan. Michigan Dept. Nat. Resour. Grand Rapids, Michigan. 12 pp.

643. Fetterolf, C. M., Jr. 1976. PCB Body Burdens Deny Full Use of the Great Lakes Fishery Resource. In: Ayers, F. A. (compiler). National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, Illinois, EPA-560/6-75-004, NTIS Rep. No. PB-253-248-9, pp. 345-347.
644. Fetterolf, C. M., Jr.; Seeburger, D. J. 1971. Radioactivity in Lake Michigan Water and Biota, Vicinity of Big Rock Point Nuclear Reactor, 1960-1969. In: Proceedings 14th Conference Great Lakes Research, pp. 211-218. Internat. Assoc. Great Lakes Res.
645. Finfer, P. 1961. Illinois River. Master's thesis. Illinois Institute of Technology.
646. Fingleton, D. J. 1976. Trace Elements Analysis of Atmospheric Particulates Over Southern Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee. 40 pp.
647. Fingleton, W. G. 1973. A Study of Shore Erosion at Seventeen Sites Along Eastern Lake Michigan. Master's thesis. Western Michigan University.
648. Fitchko, J. 1974. Heavy Metal Concentration in River Mouth Sediments of the Great Lakes. Master's thesis. University of Toronto.
649. Fitchko, J.; Hutchinson, T. C. 1975. A Comparative Study of Heavy Metal Concentrations in River Mouth Sediments Around the Great Lakes. J. Great Lakes Res. 1: 46-78.
650. Fitzgerald, G. P.; Torrey, M. S.; Gerloff, G. C. 1975. Green Bay Self-Purifies Algal Nutrients. Water and Sewage Works 122: 58-61.
651. Flayter, R. L. 1972. The Ultrastructure of the Pituitary Rostral Pars Distalis of the Alewife and the Smelt with Special Reference to the Prolactin Cell. Master's thesis. University of Wisconsin-Milwaukee. 113 pp.
652. Fleming, R. A.; Elder, F. C.; Denison, P. J. 1974. Assessment of the Effects of Waste Heat Inputs on Water Budgets of the Great Lakes. In: Proceedings 17th Conference Great Lakes Research, pp. 389-398. Internat. Assoc. Great Lakes Res.
653. Fochtman, E. G. 1970. Lake Michigan-Can it Survive? Frontier 30(1): 4-10.
654. Fogle, N. E. 1973. Commercial and Indian Fishing for Great Lakes Salmon and Trout. In: Michigan's Great Lakes Trout and Salmon Fishery (1969-1972), pp. 95-100. Michigan Dept. Nat. Resour. Fish. Manag. Rep. No. 1. Lansing, Michigan.
655. Folsom, T. R.; Hodge, V. F.; Wong, K. M.; Hansen, N. 1972. Report of Analyses of Water Samples Submitted to Scripps, November 1971, for the Lake Michigan Intercalibration/Intercomparison Program (EIIP). NTIS Rep. No. TID-26199. 7 pp.

656. Foltz, J. W. 1974. Food Consumption and Energetics of the Rainbow Smelt, *Osmerus mordax* (Mitchell), in Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee. 107 pp.
657. Foltz, J. W. 1976. Fecundity of the Slimy Sculpin, *Cottus cognatus*, in Lake Michigan. *Copeia* 1976(4): 802-804.
658. Fox, A. J. 1969. Environmental Factors in Developmental Planning. Master's thesis. Illinois Institute of Technology.
659. Fox, W. T.; Davis, R. A., Jr. 1970. Fourier Analysis of Weather and Wave Data from Lake Michigan. Office of Naval Res., Contract No. 388-092, Tech. Rep. No. 1. Washington D.C. 47 pp.
660. Fox, W. T.; Davis, R. A., Jr. 1970. Profile of a Storm: Wind, Waves and Erosion on the Southeastern Shore of Lake Michigan. In: Proceedings 13th Conference Great Lakes Research, Part 1, pp. 233-241. Internat. Assoc. Great Lakes Res.
661. Fox, W. T.; Davis, R. A., Jr. 1971. Fourier Analysis of Weather and Wave Data from Holland, Michigan, July, 1970. Office of Naval Res. Task No. 388-092/10-18-68(414). Tech. Rep. No. 3. Williamstown, Massachusetts. 79 pp.
662. Fox, W. T.; Davis, R. A., Jr. 1971. Computer Simulation Model of Coastal Processes in Eastern Lake Michigan. Office of Naval Res., Contract No. 388-092, Tech. Rep. No. 5. Washington, D.C. 114 pp.
663. Fox, W. T.; Davis, R. A., Jr. 1972. Coastal Processes and Beach Dynamics at Sheboygan, Wisconsin, July, 1972. Office of Naval Res., Geography Branch Task No. 388-092/10-18-68. Tech. Rep. No. 10. Performed under Contract No. 388-092 with Williams College. 94 pp.
664. Fox, W. T.; Davis, R. A., Jr. 1973. Simulation Model for Storm Cycles and Beach Erosion on Lake Michigan. *Geol. Soc. Am. Bull.* 84: 1769-1790.
665. Fox, W. T.; Davis, R. A., Jr. 1976. Weather Patterns and Coastal Processes. In: Davis, R. A., Jr., and Ethington, R. L. (eds.). *Beach and Nearshore Sedimentation*, pp. 1-23. Soc. Econ. Paleontol. and Mineral. Spec. Pub. No. 24. Tulsa, Oklahoma.
666. Fox, W. T.; Davis, R. A., Jr. 1976. Comparison of Computer Simulation Models with Field Data From Nearshore Environments. NTIS Rep. No. AD-A025 682/6SL. Contract No. N00014-69-C-0151. 58 pp.
667. Fox, W. T.; Kerhin, R. T.; Piccolo, R. A.; Standing, L. J. 1970. Coastal Sedimentation of Southeastern Lake Michigan, Field Trip Guidebook. Western Michigan University Studies in Geology No. 1. 50 pp.
668. Fox, W. T.; Ladd, J. W.; Martin, M. K. 1966. A Profile of the Four Moment Measures Perpendicular to a Shore Line, South Haven, Michigan. *J. Sed. Petr.* 36(4): 1126-1130.

669. Frankovic, E. A. 1975. An Aerial Photograph Interpretation and Physical Model Study of Lake Michigan Shoreline Erosion in the Villages of Whitefish Bay, Fox Point, and Shorewood, Wisconsin. Master's thesis. University of Wisconsin-Milwaukee.
670. Fraser, G. S.; Hester, N. C. 1974. Sediment Distribution in a Beach Ridge Complex and Its Application to Artificial Beach Replenishment. Ill. State Geol. Surv. Environ. Geol. Notes No. 67. 26 pp.
671. Fraser, G. S.; Hester, N. C. 1975. Correlation of Water Levels of Lake Michigan with Temperature Fluctuations During the Holocene. Bol. Parana. Geocienc. 33: 28-29.
672. Fraser, G. S.; Larsen, C. E.; Hester, N. C. 1975. Climatically Controlled High Lake Levels in the Lake Michigan and Lake Huron Basins. An. Acad. Bras. Cienc. 47(Suppl.): 51-66.
673. Freeman, N. G.; Hamblin, P. F.; Murty, T. S. 1974. Helmholtz Resonance in Harbors of the Great Lakes. In: Proceedings 17th Conference Great Lakes Research, Part 1, pp. 399-411. Internat. Assoc. Great Lakes Res.
674. French, W. E. 1964. A Correlation of the Currents and Sedimentary Activity in the Manitou Passage Area of Lake Michigan. In: Proceedings 7th Conference Great Lakes Research, pp. 142-146. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
675. French, W. E. 1965. The Sedimentary Environment and Geological Evolution of the Manitou Passage Area of Lake Michigan. Ph.D. thesis. University of Michigan. 51 pp.; and University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 24. Ann Arbor, Michigan. 47 pp.
676. Frenzen, P.; Hart, R. L. 1973. Some Bulk Aerodynamic Measurements of the Diurnal Cycle of the Surface Energy Exchange Over the Great Lakes. In: Proceedings 16th Conference Great Lakes Research, pp. 517-525. Internat. Assoc. Great Lakes Res.
677. Frey, D. (ed.). 1963. Limnology in North America. University of Wisconsin Press. Madison, Wisconsin. 734 pp.
678. Frigo, A. A. 1972. Prediction of Surface Plume Areas Associated with Heated Discharges Into Large Lakes -- A Phenomenological Model. In: Proceedings 15th Conference Great Lakes Research, pp. 583-587. Internat. Assoc. Great Lakes Res.
679. Frigo, A. A.; Frye, D. E. 1972. Physical Measurements of Thermal Discharges into Lake Michigan: 1971. Argonne National Laboratory Rep. No. ANL/ES-16. Argonne, Illinois. 168 pp.
680. Frigo, A. A.; Frye, D. E.; Siebold, P. 1973. Temperature and Velocity Measurements in the Near-Field Region of Thermal Plumes. In: Proceedings 16th Conference Great Lakes Research, pp. 684-701. Internat. Assoc. Great Lakes Res.

681. Frigo, A. A.; Frye, D. E.; Tokar, J. V. 1974. Field Investigations of Heated Discharges from Nuclear Power Plants on Lake Michigan: 1972. Argonne National Laboratory Rep. No. ANL/ES-32. Argonne, Illinois. 241 pp.
682. Frigo, A. A.; Paddock, R. A.; Ditmars, J. D. 1976. Field Studies of Submerged-Diffuser Thermal Plumes with Comparisons to Predictive Model Results. Am. Soc. Civil Engin. 15th Coastal Engin. Conf., Vol. 4: 3028-3048.
683. Frigo, A. A.; Paddock, R. A.; McCown, D. L. 1975. Field Studies of the Thermal Plumes from the D.C. Cook Submerged Discharge with Comparisons to Hydraulic-Model Results. Argonne National Laboratory, Energy and Environ. Systems Div., Water Resour. Res. Prog. Rep. No. ANL/WR-75-4. Argonne, Illinois. 35 pp.
684. Frigo, A. A.; Zivi, S. M.; King, R. F.; Levinson, E. D. 1974. Field Observations of the Dynamics of Heated Discharge Jets. In: Proceedings 17th Conference Great Lakes Research, Part 1, pp. 412-424. Internat. Assoc. Great Lakes Res.
685. Froom, C. P.; Logsdon, J. E.; Wieder, S. 1972. Environmental Radioactivity in Michigan, 1970. Radiat. Data Rep. 13(1): 3-18.
686. Frye, J. C.; Shimp, N. F. 1973. Major, Minor, and Trace Elements in Sediments of Late Pleistocene Lake Saline Compared with those in Lake Michigan Sediments. Ill. State Geol. Surv. Environ. Geol. Notes No. 60. Champaign, Illinois. 14 pp.
687. Frye, J. C.; Willman, H. B. 1960. Classification of the Wisconsinan Stage in the Lake Michigan Glacial Lobe. Ill. State Geol. Surv. Circ. 285. Champaign, Illinois. 16 pp.
688. Frye, J. C.; Willman, H. B. 1973. Wisconsinan Climatic History Interpreted from Lake Michigan Lobe Deposits and Soils. In: Black, R. F., Goldthwait, R. P., and Willman, H. B. (eds.). The Wisconsinan Stage, pp. 135-152. Geol. Soc. Am. Mem. 136.
689. Gadzikowski, G. R. 1963. Impact on the Economy of Michigan of Proposed Additional Diversion of Lake Michigan Water at Chicago: An Exploratory Study. W.E. Upjohn Institute for Employment Research. Kalamazoo, Michigan. 60 pp.
691. Galbraith, M. G., Jr. 1976. Atlantic Salmon in the Great Lakes. Michigan Dept. Nat. Resour. Performance Report, Dingell-Johnson Proj. No. F-35-R-2, Study No. 10, July 1, 1975-June 30, 1976.
692. Gallagher, B. J. 1971. An Analysis of Winter Heat Exchange in Southern Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee. 58 pp.
693. Galloway, J. E.; Kevern, N. R. 1976. Michigan Suckers: Their Life Histories, Abundance and Potential for Harvest. Michigan Sea Grant Program Rep. No. MICHU-SG-76-206. Ann Arbor, Michigan. 46 pp.

694. Gamet, M. B. 1960. The Lake Michigan Short Filter Run Study. In: Proceedings 3rd Conference Great Lakes Research, pp. 91-94. University of Michigan, Great Lakes Res. Div., Pub. No. 4. Ann Arbor, Michigan.
695. Gamet, M. B. 1962. Nature of Use and Consumption of Great Lakes Water for Domestic and Industrial Purposes. In: Pincus, H. J. (ed.). Great Lakes Basin, pp. 239-250. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
696. Gannon, J. E. 1969. Great Lakes Plankton Investigations: A Bibliography. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. 7. Milwaukee, Wisconsin. 65 pp.
697. Gannon, J. E. 1970. An Artificial Key to the Common Zooplankton Crustacea of Lake Michigan, Exclusive of Green Bay. Industrial Bio-Test Laboratories, Inc. Northbrook, Illinois. 30 pp.
698. Gannon, J. E. 1972. Effects of Eutrophication and Fish Predation on Recent Changes in Zooplankton Crustacea Species Composition in Lake Michigan. Trans. Am. Microsc. Soc. 91(1): 82-84.
699. Gannon, J. E. 1972. A Contribution to the Ecology of Zooplankton Crustacea of Lake Michigan and Green Bay. Ph.D. thesis. University of Wisconsin-Madison. 272 pp.
700. Gannon, J. E. 1974. The Crustacean Zooplankton of Green Bay, Lake Michigan. In: Proceedings 17th Conference Great Lakes Research, Part 1, pp. 28-51. Internat. Assoc. Great Lakes Res.
701. Gannon, J. E. 1975. Horizontal Distribution of Crustacean Zooplankton along a Cross-Lake Transect in Lake Michigan. J. Great Lakes Res. 1(1): 79-91.
702. Gannon, J. E.; Beeton, A. M. 1969. Studies on the Effects of Dredged Materials from Selected Great Lakes Harbors on Plankton and Benthos. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 8. Milwaukee, Wisconsin. 82 pp.
703. Gannon, J. E.; Beeton, A. M. 1971. Procedures for Determining the Effects of Dredged Sediments on Biota - Benthos Viability and Sediment Selectivity Tests. J. Water Pollut. Control Fed. 43(3): 392-398.
704. Gannon, J. E.; Bricker, K. S.; Ladewski, T. B. 1976. Crustacean Zooplankton of the Straits of Mackinac and Northern Lake Michigan. In: Schelske, C. L., Stoermer, E. F., Gannon, J. E., and Simmons, M. S. (eds.). Biological, Chemical, and Physical Relationships in the Straits of Mackinac. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 60, U.S. Environmental Protection Agency Rep. No. EPA-600/3-76-095, pp. 133-190. Ann Arbor, Michigan.
705. Gannon, J. J. 1970. Health Aspects of Great Lakes Waters as Related to Water Supply and Recreational Uses. Michigan Sea Grant Program Rep. No. MICHU-SG-70-200. Ann Arbor, Michigan.

706. Gara, M. J.; Hawley, J. E. 1974. Water Chemistry and Bacteriology. In: Preoperational Thermal Monitoring Program of Lake Michigan Near the Kewaunee Nuclear Power Plant, Jan.-Dec. 1973, pp. 1-74. Industrial Bio-Test Laboratories. Northbrook, Illinois.
707. Gatz, D. F. 1975. Pollutant Aerosol Deposition into Southern Lake Michigan, USA. *Water Air Soil Pollut.* 5(2): 239-251.
708. Gatz, D. F. 1975. Estimates of Wet and Dry Deposition of Chicago and Northwest Indiana Aerosol into Southern Lake Michigan. In: Marshall, J. S. (ed.). *Proceedings 2nd Federal Conf. on the Great Lakes*, March 25-27, 1975, pp. 267-288. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
709. Gatz, D. F. 1976. Wet Deposition Estimation Using Scavenging Ratios. *J. Great Lakes Res.* 2(Suppl. 1): 21-29.
710. Gatz, D. F.; Changnon, S. A., Jr. 1976. Environmental Status of the Lake Michigan Region, Vol. 8. Atmospheric Environment of the Lake Michigan Drainage Basin. Argonne National Laboratory Rep. No. ANL/ES-40, Vol. 8. Argonne, Illinois. 164 pp.
711. Geinopolos, A.; Vilen, F. I. 1971. Process Evaluation - Phosphorus Removal. *J. Water Pollut. Control Fed.* 43(10): 1975-1990.
713. Gerloff, G. C. 1976. The Nutrition of Great Lakes *Cladophora*. U.S. Environmental Protection Agency Rep. No. EPA-600/3-76-044. 110 pp.
714. Gerstein, H. H. 1965. Lake Michigan Pollution and Chicago's Supply. *J. Am. Water Works Assoc.* 57(7): 841-857.
715. Ghosh, S. K. 1973. Extractable Iron Minerals and Coloration in Tills of Southeastern Wisconsin and Offshore Lake Deposits at Terry Andrae State Park, Wisconsin. Master's thesis. University of Wisconsin-Milwaukee.
716. Gilbertson, M. 1975. A Great Lakes Tragedy. *Nat. Can.* 4(1): 22-25.
717. Gillett, J. M.; Senn, H. A. 1961. A New Species of *Agropyron* from the Great Lakes. *Can. J. Bot.* 39: 1169-1175.
718. Gillette, D. A.; Winchester, J. W. 1972. A Study of Aging of Lead Aerosols-I: Observations. *Atmos. Environ.* 6(7): 443-450.
719. Glooschenko, V.; Glooschenko, W. A. 1975. Effect of Polychlorinated Biphenyl Compounds on Growth of Great Lakes Phytoplankton. *Can. J. Bot.* 53(7): 653-659.
720. Glooschenko, W. A. 1975. The Effects of Energy-Related Effluents on Productivity, Biomass, and Eutrophication in the Great Lakes. In: Marshall, J. S. (ed.). *Proceedings 2nd Federal Conf. on the Great Lakes*, March 25-27, 1975, pp. 423-431. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.

721. Glooschenko, W. A.; Strachan, W. M. J.; Sampson, R. C. J. 1976. Distribution of Pesticides and Polychlorinated Biphenyls in Water, Sediments, and Seston of the Upper Great Lakes-1974. *Pestic. Monit. J.* 10(2): 61-67.
722. Goldman, G. C. 1973. The Use of Benthos to Describe the Long-Term, Time-Averaged Motion of the St. Joseph River as it Moves into Lake Michigan. Ph.D. thesis. University of Michigan. 161 pp.
723. Goldthwait, J. W. 1974. A Reconstruction of Water Planes of the Extinct Glacial Lakes in the Lake Michigan Basin with Comments. In: *Glacial Isostasy, Early Work*, pp. 58-76. Dowden, Hutchinson, and Ross, Stroudsburg, Penn.
724. Goodale, T. L.; Ditton, R. B. 1973. Attitudes Into Actions: Perceiving and Responding to a Degraded Water Resource. In: *Proceedings 16th Conference Great Lakes Research*, pp. 912-919. Internat. Assoc. Great Lakes. Res.
725. Goodnight, C. J.; Whitley, L. S. 1961. Oligochaetes as Indicators of Pollution. *Proceedings 15th Indiana Waste Conference*. Purdue University Extension Service. West Lafayette, Indiana. 139 pp.
726. Gordon, W. G. 1963. A Trawling Survey of Southern Lake Michigan (Aug.-Nov. 1960). *Commerical Fish. Rev.* 25(2): 1-6.
727. Gordon, W. G. 1968. The Bait Minnow Industry of the Great Lakes. U.S. Fish Wildl. Serv. Fish. Leaflet. 608. 6 pp.
728. Gove Engineers. 1976. Beach and Bluff Erosion of Lake Michigan between the City of St. Joseph and Grand Mere Lakes. In: Wood, W. L., Gutschick, R. C., Gonsiewski, J., Davis, R. A., Jr., Fox, W. T., Brater, E. F., Armstrong, J. M., and McGill, M. *Field Trip Guidebook of the Coastal and Environmental Geology of Southeastern Lake Michigan*, pp. 91-103. Western Michigan University, Dept. Geol. Geol. Soc. Am., North Central Sect. Kalamazoo, Michigan.
729. Graf, J. B. 1975. Nearshore Sediment Distribution, Southwestern Lake Michigan. Ph.D. thesis. University of Illinois at Urbana-Champaign. 257 pp.
730. Graf, J. B. 1976. Comparison of Measured and Predicted Nearshore Sediment Grain-Size Distribution Patterns, Southwestern Lake Michigan, U.S.A. *Mar. Geol.* 22(4): 253-270.
731. Graf, J. B. 1976. Nearshore Sediments of the Illinois Shore of Lake Michigan. *J. Great Lakes Res.* 2(2): 283-293.
732. Graves, E. 1973. Statement of the International Great Lakes Levels Board. In: U.S. Congress, 93rd. 1st Session House Committee on Public Works. Subcommittee on Water Resources.

733. Great Lakes Basin Commission, Surface Water Hydrol. Work Group. 1975. Great Lakes Basin Framework Study, Appendix 2. Surface Water Hydrology. Great Lakes Basin Commission, Surface Water Hydrology Work Group. Ann Arbor, Michigan. 133 pp.
734. Great Lakes Basin Commission. 1969. Annual Report, Fiscal Year Ending June 30, 1969. Great Lakes Basin Commission. Ann Arbor, Michigan. 29 pp.
735. Great Lakes Basin Commission. 1970. Long-Range Schedules of Priorities for Water and Related Land Resources Programs. Great Lakes Basin Commission. Ann Arbor, Michigan. 33 pp.
736. Great Lakes Basin Commission. 1971. Challenges for the Future: An Interim Report on the Great Lakes Basin Framework Study. Great Lakes Basin Commission. Ann Arbor, Michigan.
737. Great Lakes Basin Commission. 1974. 1974 Annual Report. Great Lakes Basin Commission. Ann Arbor, Michigan. 21 pp.
738. Great Lakes Basin Commission. 1974. Great Lakes Basin Framework Study, Appendix 13. Land Use and Management. Great Lakes Basin Commission. Ann Arbor, Michigan. 119 pp.
739. Great Lakes Basin Commission. 1974. Great Lakes Basin Framework Study, Appendix 15. Irrigation. Great Lakes Basin Commission. Ann Arbor, Michigan. 111 pp.
740. Great Lakes Basin Commission. 1974. Great Lakes Basin Framework Study, Appendix 5. Mineral Resources. Great Lakes Basin Commission. Ann Arbor, Michigan. 136 pp.
741. Great Lakes Basin Commission. 1975. Great Lakes Basin Programs, FY75-FY79. Great Lakes Basin Commission. Ann Arbor, Michigan. 56 pp.
742. Great Lakes Basin Commission. 1975. 1975 Annual Report. Great Lakes Basin Commission. Ann Arbor, Michigan.
743. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 10. Power. Great Lakes Basin Commission. Ann Arbor, Michigan. 169 pp.
744. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 11. Levels and Flows. Great Lakes Basin Commission. Ann Arbor, Michigan. 206 pp.
745. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 12. Shore Use and Erosion. Great Lakes Basin Commission. Ann Arbor, Michigan. 111 pp. + maps.
746. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 16. Drainage. Great Lakes Basin Commission. Ann Arbor, Michigan. 97 pp.

747. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 17. Wildlife. Great Lakes Basin Commission. Ann Arbor, Michigan. 140 pp.
748. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 18. Erosion and Sedimentation. Great Lakes Basin Commission. Ann Arbor, Michigan. 127 pp.
749. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 19. Economic and Demographic Studies. Great Lakes Basin Commission. Ann Arbor, Michigan. 217 pp.
750. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 21. Outdoor Recreation. Great Lakes Basin Commission. Ann Arbor, Michigan. 243 pp.
751. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 22: Aesthetic and Cultural Resources. Great Lakes Basin Commission, Aesthetic and Cultural Resources Work Group. Ann Arbor, Michigan. 60 pp. + Plates + Maps.
752. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 23. Health Aspects. Great Lakes Basin Commission. Ann Arbor, Michigan. 96 pp.
753. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 7. Water Quality. Great Lakes Basin Commission. Ann Arbor, Michigan. 228 pp.
754. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 8. Fish. Great Lakes Basin Commission. Ann Arbor, Michigan. 290 pp.
755. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix C9. Commercial Navigation. Great Lakes Basin Commission. Ann Arbor, Michigan. 154 pp.
756. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix R9. Recreational Boating. Great Lakes Basin Commission. Ann Arbor, Michigan. 144 pp.
757. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix S20. State Laws, Policies, and Institutional Arrangements. Great Lakes Basin Commission. Ann Arbor, Michigan. 215 pp.
758. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 6. Water Supply-Municipal, Industrial, and Rural. Great Lakes Basin Commission. Ann Arbor, Michigan. 266 pp.
759. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix 14. Flood Plains. Great Lakes Basin Commission. Ann Arbor, Michigan. 327 pp.

760. Great Lakes Basin Commission. 1975. Great Lakes Basin Framework Study, Appendix F20. Federal Laws, Policies, and Institutional Arrangements. Great Lakes Basin Commission. Ann Arbor, Michigan. 144 pp.
761. Great Lakes Basin Commission. 1975. Proceedings of the Recession Rate Workshop, Dec. 5-6, 1974. Great Lakes Basin Commission. Ann Arbor, Michigan. 234 pp.
762. Great Lakes Basin Commission. 1976. 1976 Annual Report. Great Lakes Basin Commission. Ann Arbor, Michigan.
763. Great Lakes Basin Commission. 1976. 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. International Joint Commission, International Reference Group on Great Lakes Pollution from Land Use Activities Task Group B Report, Vols. 1-6. Windsor, Ontario.
764. Great Lakes Basin Commission. 1976. Great Lakes Basin Framework Study, Appendix 1. Alternative Frameworks. Great Lakes Basin Commission. Ann Arbor, Michigan. 476 pp.
765. Great Lakes Basin Commission. 1976. Great Lakes Basin Framework Study, Appendix 4. Limnology of Lakes and Embayments. Great Lakes Basin Commission. Ann Arbor, Michigan. 441 pp.
766. Great Lakes Basin Commission. 1976. Great Lakes Basin Framework Study, Environmental Impact Statement. Great Lakes Basin Commission. Ann Arbor, Michigan. 152 pp.
767. Great Lakes Basin Commission. 1976. Great Lakes Basin Framework Study, Report. Great Lakes Basin Commission. Ann Arbor, Michigan. 105 pp.
768. Great Lakes Basin Commission. 1976. Existing River Mouth Loading Data in the U.S. Great Lakes Basin. International Joint Commission, International Reference Group On Great Lakes Pollution From Land Use Activities. PLUARG Task Group D (U.S. Section). 713 pp.
769. Great Lakes Basin Commission; National Council on Marine Resour. and Engin. Development, Committee on Multiple Use of the Coastal Zone. 1969. Great Lakes Institutions: A Survey of Institutions Concerned with the Water Related Resources in the Great Lakes Basin. Great Lakes Basin Commission and National Council on Marine Resour. and Engin. Development, Committee on Multiple Use of the Coastal Zone. Washington, D.C. 58 pp.
770. Great Lakes Commission. 1961. Report to the States, 1959-1960. Great Lakes Commission. Ann Arbor, Michigan. 15 pp.
771. Great Lakes Commission. 1964. Report to the States, 1963-1964. Great Lakes Commission. Ann Arbor, Michigan. 23 pp.
772. Great Lakes Commission. 1966. Report to the States, 1965-1966. Great Lakes Commission. Ann Arbor, Michigan. 33 pp.

773. Great Lakes Commission. 1970. Report to the States, 1969-1970. Great Lakes Commission. Ann Arbor, Michigan.
774. Great Lakes Commission. 1973. Report to the States, 1971-1972. Great Lakes Commission. Ann Arbor, Michigan. 53 pp.
775. Great Lakes Commission. 1975. Report to the States, 1973-1974. Great Lakes Commission. Ann Arbor, Michigan. 48 pp.
776. Great Lakes Environmental Contaminants Survey. 1973. Great Lakes Environmental Contaminant 1973 Survey: Salmon. Michigan Dept. Agri., Michigan Dept. Nat. Resour., U.S. Food and Drug Admin., and U.S. Fish Wildl. Serv. 33 pp.
777. Great Lakes Fishery Commission. 1960. Annual Report for the Year 1960. Great Lakes Fishery Comm. Ann Arbor, Michigan.
778. Great Lakes Fishery Commission. 1961. Annual Report for the Year 1961. Great Lakes Fishery Comm. Ann Arbor, Michigan.
779. Great Lakes Fishery Commission. 1962. Annual Report for the Year 1962. Great Lakes Fishery Comm. Ann Arbor, Michigan.
780. Great Lakes Fishery Commission. 1964. Annual Report for the Year 1963. Great Lakes Fishery Comm. Ann Arbor, Michigan.
781. Great Lakes Fishery Commission. 1965. Annual Report for the Year 1964. Great Lakes Fishery Comm. Ann Arbor, Michigan.
782. Great Lakes Fishery Commission. 1966. Annual Report for the Year 1965. Great Lakes Fishery Comm. Ann Arbor, Michigan.
783. Great Lakes Fishery Commission. 1967. Annual Report for the Year 1966. Great Lakes Fishery Comm. Ann Arbor, Michigan.
784. Great Lakes Fishery Commission. 1968. Annual Report for the Year 1967. Great Lakes Fishery Comm. Ann Arbor, Michigan.
785. Great Lakes Fishery Commission. 1969. Annual Report for the Year 1968. Great Lakes Fishery Comm. Ann Arbor, Michigan.
786. Great Lakes Fishery Commission. 1970. Annual Report for the Year 1969. Great Lakes Fishery Comm. Ann Arbor, Michigan.
787. Great Lakes Fishery Commission. 1972. Annual Report for the Year 1970. Great Lakes Fishery Comm. Ann Arbor, Michigan.
788. Great Lakes Fishery Commission. 1973. Annual Report for the Year 1971. Great Lakes Fishery Comm. Ann Arbor, Michigan.
789. Great Lakes Fishery Commission. 1973. Annual Report for the Year 1972. Great Lakes Fishery Comm. Ann Arbor, Michigan.
790. Great Lakes Fishery Commission. 1974. A Management Policy for Great Lakes Fisheries. Great Lakes Fishery Comm. Ann Arbor, Michigan. 2 pp.

791. Great Lakes Fishery Commission. 1975. Annual Report for the Year 1973. Great Lakes Fishery Comm. Ann Arbor, Michigan.
792. Great Lakes Fishery Commission. 1976. Annual Report for the Year 1974. Great Lakes Fishery Comm. Ann Arbor, Michigan.
793. Green, T.; MacKenzie, S.; Roffler, S.; Scarpace, F. L.; Sundby, C.; Keating, T. J. 1972. The Point Beach Thermal Plume. In: Proceedings 15th Conference Great Lakes Research, pp. 588-596. Internat. Assoc. Great Lakes Res.
794. Greij, E. 1976. The Effects of a Marsh on Water Quality. Michigan State University, Institute Water Res., Proj. No. A-007-MICH. East Lansing, Michigan. 24 pp.
795. Griffin, J. B. 1961. Post-Glacial Ecology and Culture Changes in the Great Lakes Area of North America. In: Proceedings 4th Conference Great Lakes Research, pp. 147-155. University of Michigan, Great Lakes Res. Div., Pub. No. 7. Ann Arbor, Michigan.
796. Griffin, J. B. 1964. Post-Glacial Ecology and Culture Changes in the Great Lakes Area of North America. In: Internat. Assoc. Quat. Res., 6th Cong., Warsaw, 1961, Rept., V. 4: Lodz, Poland, Panstwowe Wydawnictwo Nauk. Oddzial W Lodzi, pp. 291-299.
797. Grittinger, T. F. 1974. A Hemlock Relict along Lake Michigan, Sheboygan County, Wisconsin. Trans. Wis. Acad. Sci. Arts Lett. 62: 11-18.
798. Gross, D. L.; Lineback, J. A.; Shimp, N. F.; White, W. A. 1972. Composition of Pleistocene Sediments in Southern Lake Michigan, USA. In: Proceedings 24th Internat. Geol. Congress, pp. 215-222. Montreal, Quebec.
799. Gross, D. L.; Lineback, J. A.; White, W. A.; Ayer, N. J.; Collinson, C.; Leland, H. V. 1970. Preliminary Stratigraphy of Unconsolidated Sediments from the Southwestern Part of Lake Michigan. Ill. State Geol. Surv. Environ. Geol. Notes 30. 20 pp.
800. Grounds, H. C. 1967. A Summary of Water Pollution Problems in the Lake Michigan Basin. In: Proceedings 10th Conference Great Lakes Research, pp. 420-426. Internat. Assoc. Great Lakes Res.
801. Gruber, D. A. 1974. Assessment of Crustacea Zooplankton Mortality due to Entrainment at the Point Beach Nuclear Power Plant, Two Creeks, Wisconsin. Master's thesis. University of Wisconsin-Milwaukee. 114 pp.
802. Grumblatt, J. L. 1976. Great Lakes Water Temperatures, 1966-1975. NOAA Tech. Memo. ERL GLERL-11-1 and GLERL-11-2 (Full Microfiche Edition). Great Lakes Environmental Research Lab. Ann Arbor, Michigan. 127 pp.
803. Guilford, H. G. 1963. New Species of Myxosporidia Found in Percid Fishes from Green Bay (Lake Michigan). J. Parasitol. 49(3): 474-478.

804. Guilford, H. G. 1966. New Species of Myxosporidia from Green Bay (Lake Michigan). *Trans. Amer. Microsc. Soc.* 84(4): 566-573.
805. Gulo, J. E.; Lambie, M. O. 1971. Inshore Water Quality Evaluation, Project II. Part B. Phytoplankton. Industrial Bio-Test Laboratories. Northbrook, Illinois. 24 pp.
806. Gustafson, P. F. 1970. Future Levels of Tritium in the Great Lakes from Nuclear Power Production. In: *Proceedings 13th Conference Great Lakes Research*, pp. 839-843. *Internat. Assoc. Great Lakes Res.*
807. Gustafson, P. F. 1970. Nuclear Power and Thermal Pollution: Zion, Illinois. *Bull. At. Sci.* 26(3): 17-23.
808. Gustafson, P. F. 1973. Thermal Pollution of the Great Lakes--A Non-Problem. In: Chow, V. T., Csallany, S. C., Krizek, R. J., and Preul, H. C. (eds.). *Water for the Human Environment, Proceedings of the First World Congress on Water Resources, Vol. 4, Special Sessions: Systems Analysis*, pp. 217-223. *Int. Water Resour. Assoc.*, Champaign, Illinois.
809. Gutschick, R. C.; Gonsiewski, J. 1976. Coastal Geology of the Mt. Baldy Area, Indiana Dunes National Lakeshore. In: Wood, W. L., Gutschick, R. C., Gonsiewski, J., Davis, R. A., Jr., Fox, W. T., Brater, E. F., Armstrong, J. M., and McGill, M. *Field Trip Guidebook of the Coastal and Environmental Geology of Southeastern Lake Michigan*, pp. 40-90. Western Michigan University, Dept. Geol. *Geol. Soc. Am.*, North Central Sect. Kalamazoo, Michigan.
810. Hacia, H. 1972. A Selected Annotated Bibliography of the Climate of the Great Lakes. Environmental Data Service, Special Studies Subseries, Tech. Memo. EDS BS-7. Silver Springs, Maryland. 70 pp.
811. Hadley, D. W. 1976. Shoreline Erosion in Southeastern Wisconsin. Wisconsin Geol. and Nat. Hist. Surv. Spec. Rep. No. 5. Madison, Wisconsin. 33 pp.
812. Haeger, J. D. 1969. Town Growth on the Western Shore of Lake Michigan, 1815-1840. Ph.D. thesis. Loyola University of Chicago.
813. Hagman, B. B. 1976. On the Use of Microwave Radiation for Great Lakes Ice Surveillance. NOAA Tech. Memo. ERL GLERL-13. Great Lakes Environmental Research Lab. Ann Arbor, Michigan. 11 pp.
814. Hagman, B. B. 1976. An Analysis of Great Lakes Ice Cover from Satellite Imagery. NOAA Tech. Memo. ERL GLERL-9. Great Lakes Environmental Research Lab. Ann Arbor, Michigan. 11 pp.
815. Hall, C. A. 1970. Survey of Surficial Bottom Sediments and the Distribution of Manganese Nodules in Green Bay, Wisconsin. Master's thesis. University of Wisconsin-Madison. 117 pp.

816. Hall, V. L.; Ludwig, J. D. 1975. Evaluation of Potential Use of Vegetation for Erosion Abatement Along the Great Lakes Shoreline. U.S. Army Corps of Engineers, Coastal Engin. Res. Center Misc. Pap. 7-75. 35 pp.
817. Hamilton, R. W.; Buttner, J. K.; Brunetti, R. G. 1975. Lethal Levels of Sodium Chloride and Potassium Chloride for an Oligochaete, a Chironomid Midge, and a Caddisfly of Lake Michigan. *Environ. Entomol.* 4(6): 1003-1006.
818. Hampton, G. R. 1974. Fresh Water Ice Shelf Fabrics of a Nearshore Area in Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee.
819. Han, C. 1975. Projecting Use of a Proposed New Lake Michigan Marina--A Spatial Analysis Approach. Ph.D. thesis. Michigan State University. 155 pp.
820. Hands, E. B. 1970. A Geomorphic Map of Lake Michigan Shoreline. In: *Proceedings 13th Conference Great Lakes Research, Part 1*, pp. 250-265. Internat. Assoc. Great Lakes Res.
821. Hands, E. B. 1976. Observations of Barred Coastal Profiles Under the Influence Of Rising Water Levels, Eastern Lake Michigan. U.S. Army Corps of Engineers, Coastal Engin. Res. Center Tech. Rep. No. CERC-TR-76-1. Fort Belvoir, Virginia. 116 pp.
822. Hanna, J. 1964. Great Lakes Water Level Fluctuations. *Shore and Beach* 32(2): 12-15.
823. Hanna, J. 1970. A Situation Report: Great Lakes Water Levels. *Limnos* 3(1): 23-31.
- 824a. Hanna, J. 1973. The Great Lakes are Overflowing Again. *Limnos* 5(3): 13-18.
- 824b. Hansen, M. J.; Hayne, D. W. 1962. Sea Lamprey in Ogontz Bay and Ogontz River, Michigan. *J. Wildl. Manage.* 26(3): 237-247.
825. Hansen, M. J.; Stauffer, T. M. 1967. Comparative Recovery to the Creel, Movement and Growth of Rainbow Trout Stocked in the Great Lakes. *Trans. Am. Fish. Soc.* 100(2): 336-349; and Michigan Dept. Conserv. Res. and Develop. Rep. No. 113. Lansing, Michigan.
826. Hansen, R. S. 1971. Dredging: Problems and Remedies. *Limnos* 4(1): 3-12.
827. Hardy, E. P. 1974. Fallout Program Quarterly Summary Report. U.S. Atomic Energy Comm. Rep. HASL 281.
828. Hardy, E. P.; Krey, P. W.; Volchok, H. L. 1973. Global Inventory and Distribution of Fallout Plutonium. *Nature* 241: 444-445.
829. Harkin, J. M.; Nass, A. T.; Stensby, D. G. 1974. Effects of Recreation and Recreational Land and Water Use on Water Quality in the Great Lakes Basin. Great Lakes Basin Commission. Ann Arbor, Michigan. 170 pp.

830. Harleman, D. R. F.; Bunker, R. M.; Hall, J. B. 1964. Circulation and Thermocline Development in a Rotating Lake Model. In: Proceedings 7th Conference Great Lakes Research, pp. 340-356. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
831. Harleman, D. R. F.; Holley, E. R., Jr.; Hoopes, J. A.; Rumer, R. R., Jr. 1961. The Feasibility of a Dynamic Model of Lake Michigan. U.S. Army Corps of Engineers, Waterways Experiment Station. Vicksburg, Mississippi.
832. Harleman, D. R. F.; Holley, E. R., Jr.; Hoopes, J. A.; Rumer, R. R., Jr. 1962. The Feasibility of a Dynamic Model of Lake Michigan. In: Proceedings 5th Conference Great Lakes Research, pp. 51-67. University of Michigan, Great Lakes Res. Div., Pub. No. 9. Ann Arbor, Michigan.
833. Harman, J. R. 1968. Environment and Forest Gradients on the Southeast Shore of Lake Michigan: A Study in Plant Geography. Ph.D. thesis. University of Illinois at Urbana-Champaign. 143 pp.
833. Harman, J. R. 1970. Forest and Climatic Gradients along the Southeast Shoreline of Lake Michigan. *Annals Assoc. Amer. Geographers* 60(3): 456-465.
834. Harney, M. A.; Norden, C. R. 1972. Food Habits of the Coho Salmon, *Oncorhynchus kisutch*, in Lake Michigan. *Trans. Wis. Acad. Sci. Arts Lett.* 60: 79-85.
835. Harris, V. T.; Eschmeyer, P. H. (eds.). 1974. Great Lakes Fishery Program. In: Harris, V. T., and Eschmeyer, P. H. (eds.). *Sport Fishery and Wildlife Research 1972*, pp. 22-32. U.S. Fish Wildl. Serv.
836. Harris, V. T.; Eschmeyer, P. H. (eds.). 1975. Great Lakes Fisheries. In: Harris, V. T., and Eschmeyer, P. H. (eds.). *Sport Fishery and Wildlife Research 1973-74*, pp. 58-79. U.S. Fish Wildl. Serv.
837. Harris, V. T.; Eschmeyer, P. H. (eds.). 1976. Great Lakes Fisheries. In: Harris, V. T., and Eschmeyer, P. H. (eds.). *Sport Fishery and Wildlife Research 1974-75*, pp. 52-59. U.S. Fish Wildl. Serv.
838. Harrison, P. R.; Rahn, K. A.; Dams, R.; Robbins, J. A.; Winchester, J. W. 1975. Areawide Trace Metal Distributions in Northwest Indiana Aerosols. In: LeRoy, A. F. (ed.). *Trace Contaminants in the Environment*, pp. 19-25. AIChE Symposium Ser. No. 149, Vol. 71.
839. Hartford, S. B. 1973. A Comparison of Tissue and Plasma Electrolytes and of Pituitary Prolactin Activities in Marine and Freshwater Alewives, *Alosa pseudoharengus*. Master's thesis. University of Wisconsin-Milwaukee. 31 pp.
840. Hartke, E. J.; Hill, J. R.; Reshkin, M. 1975. Environmental Geology of Lake and Porter Counties, Indiana - An Aid to Planning: Environmental Study 8. Indiana Dept. Nat. Resour., Geol. Surv. Spec. Rep. No. 11. 57 pp.

841. Harza Engineering Co. 1976. Evaluation of Water Quality of Chicago Area Streams. Illinois Dept. of Transportation, Div. of Water Resour. Prepared by Harza Engineering Co.
842. Harza, R. D. 1970. Airport in the Lake. *Limnos* 3(2): 13-20.
843. Haugen, R. K.; McKim, H. L.; Marlar, T. L. 1975. Land Use and Pollution Patterns on the Great Lakes. U.S. Army Corps of Engineers, Cold Regions Res. and Engin. Laboratory, Hanover, New Hampshire. Final Report NASA-CR-152641, NASA SR/T 160-75-89-10; and NTIS Rep. No. N77-21514. 89 pp.
844. Haugen, R. K.; McKim, H. L.; Marlar, T. L. 1976. Remote Sensing of Land Use and Water Quality Relationships-Wisconsin Shore, Lake Michigan. U.S. Army Corps of Engineers, Cold Regions Res. and Engin. Laboratory, Hanover, New Hampshire. NTIS Rep. No. AD-A030-746/2SL. 53 pp.
845. Hausmann, P. S. 1974. The Benthic Macrofauna of Milwaukee Harbor and Adjacent Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee. 62 pp.
846. Haverkamp, P. T. 1967. Waterfront Planning - Comprehensive Planning of Lake Michigan Shoreland. Lake Michigan Region Planning Council Project 65-1. Chicago, Illinois. 110 pp.
847. Havlick, S. W. 1968. Analysis of Water and Water-Related Research Requirements in the Great Lakes Region, Appendix H. An Inventory of Needed Research Activities in the Great Lakes Region. In: Analysis of Water and Water Related Research Requirements in the Great Lakes Region, pp. 100-104. U.S. Dept. of the Interior, Office of Water Resour. Res. Washington, D.C.
848. Hawley, E. F.; Judge, C. W. 1969. Characteristics of Lake Michigan Bottom Profiles and Sediments from Lakeside, Michigan to Gary, Indiana. In: Proceedings 12th Conference Great Lakes Research, pp. 198-209. Internat. Assoc. Great Lakes Res.
849. Heap, J. A. 1963. Winter Ice Cover in the Great Lakes. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 18. Ann Arbor, Michigan. 25 pp.
850. Heap, J. A. 1963. Some Characteristics of the Winter Ice Cover of Lake Michigan, 1962-63. In: Proceedings 6th Conference Great Lakes Research, pp. 216-218. University of Michigan, Great Lakes Res. Div., Pub. No. 10. Ann Arbor, Michigan.
851. Heap, J. A.; Noble, V. E. 1966. Growth of Ice on Lake Michigan. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 26. Ann Arbor, Michigan. 94 pp.
852. Heaps, N. S. 1975. Resonant Tidal Co-oscillations. *Arch. Meteorol. Geophys. Bioklimatol. A.* 24: 361-384; and University of Wisconsin Sea Grant Program Reprint No. WIS-SG-77-373.

853. Heard, W. H. 1962. The Sphaeriidae (Mollusca: Pelecypoda) of the North American Great Lakes. *Am. Midl. Nat.* 67(1): 194-198.
854. Hedrick, L. R. 1961. Characteristics of Lake Michigan Water in Regard to Toxicity Toward *Shigella sonnei* and Other Bacteria. In: *Proceedings 4th Conference Great Lakes Research*, pp. 1-9. University of Michigan, Great Lakes Res. Div., Pub. No. 7. Ann Arbor, Michigan.
855. Hedrick, L. R. 1964. Effect of Concentration of Added Chelates and Salts Upon Survival of *Escherichia coli* and *Shigella sonnei* in Lake Michigan Water. *Ill. State Acad. Sci.* 57(2): 98-104.
856. Hedrick, L. R.; Meyer, R.; Kossoy, M. 1962. Survival of *Salmonella*, *Shigella*, and Coliforms in Lake Michigan Water. In: *Proceedings 5th Conference Great Lakes Research*, pp. 159-185. University of Michigan, Great Lakes Res. Div., Pub. No. 9. Ann Arbor, Michigan.
857. Hedrick, L. R.; Soyugenc, M. 1965. Yeasts Recovered from Mud Samples from Lake Michigan. In: *Proceedings 8th Conference Great Lakes Research*, pp. 69-76. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
858. Hedrick, L. R.; Soyugenc, M.; DuPont, R.; Ambrosini, R. 1964. Yeasts in Lake Michigan and Lake Erie. In: *Proceedings 7th Conference Great Lakes Research*, pp. 77-83. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
859. Hedrick, L. R.; Soyugenc, M.; Larsen, L. 1966. Yeasts in Sediment Core Samples from Lake Michigan. In: *Proceedings 9th Conference Great Lakes Research*, pp. 27-37. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.
860. Hehr, J. G. 1971. Lake Breezes and Precipitation Patterns in Eastern Upper Michigan. Ph.D. thesis. Michigan State University.
861. Helm, J. M. 1966. A Biological Evaluation of Wisconsin Harbors on Lake Michigan. Wisconsin State Laboratory of Hygiene. Madison, Wisconsin. 18 pp.
862. Henderson, C.; Inglis, A.; Johnson, W. L. 1972. Mercury Residues in Fish, 1969-1970. National Pesticide Monitoring Program. *Pestic. Monit. J.* 6: 144-159.
863. Henderson, C.; Johnson, W. L.; Inglis, A. 1969. Organochlorine Insecticide Residues in Fish. National Pesticide Monitoring Program. *Pestic. Monit. J.* 3: 145-171.
864. Hennigan, R. D. 1970. Effective Water Quality Management: Impossible Dream or Attainable Goal? In: *Proceedings 13th Conference Great Lakes Research*, pp. 149-155. Internat. Assoc. Great Lakes Res.
865. Henson, E. B. 1966. A Review of Great Lakes Benthos Research. In: University of Michigan, Great Lakes Res. Div., Pub. No. 14, pp. 37-54. Ann Arbor, Michigan.

866. Henson, E. B. 1970. *Pontoporeia affinis* (Crustacea, Amphipoda) in the Straits of Mackinac Region. In: Proceedings 13th Conference Great Lakes Research, Part 2, pp. 601-610. Internat. Assoc. Great Lakes Res.
867. Henson, E. B.; Herrington, H. B. 1965. Sphaeriidae (Mollusca: Pelecypoda) of Lakes Huron and Michigan in the Vicinity of the Straits of Mackinac. In: Proceedings 8th Conference Great Lakes Research, pp. 77-95. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
868. Hentz, S. 1975. Single Theodolite Pibal Observations On the Western Shoreline of Lake Michigan: Summers 1973 and 1974. University of Wisconsin-Milwaukee, Air Pollut. Analysis Laboratory, Great Lakes UWM Mesometeorology Project No. 16. Milwaukee, Wisconsin. 15 pp.
869. Herbert, T. A. 1974. An Analysis of the Physical and Legal Aspects of Erosion on Lake Michigan, A Case Study at St. Joseph, Michigan. Ph.D. thesis. Michigan State University. 244 pp.
870. Herbst, R. P. 1966. An Ecological Study of *Cladophora glomerata* (L.) Kutz. in the Milwaukee Harbor Area. Master's thesis. University of Wisconsin-Milwaukee. 51 pp.
871. Herbst, R. P. 1969. Ecological Factors and the Distribution of *Cladophora glomerata* in the Great Lakes. *Am. Midl. Nat.* 82: 90-98.
872. Herkoff, D. 1969. Observed Temperature Profiles near the Lake Michigan Shoreline. University of Michigan, Dept. of Meteorol. and Oceanogr. Tech. Rep. Ann Arbor, Michigan. 37 pp.
873. Herman, C. M. 1964. Significance of Bird Losses on Lake Michigan During November and December 1963. In: Proceedings 7th Conference Great Lakes Research, pp. 84-87. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
874. Herman, E.; Wishy, W.; Wiegert, L.; Burdick, M. 1968. Yellow Perch -- Life History, Ecology and Management. Wisconsin Dept. Nat. Resour. Pub. No. 228-68.
875. Hess, G. D.; Hicks, B. B. 1975. Influence of Surface Effects on Pollutant Deposition Over the Great Lakes. In: Marshall, J. E. (ed.). Proceedings 1st Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 238-247. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
876. Hesse, J. L. 1969. Distribution and Growth of Immature Hatchery-Reared Lake Trout, *Salvelinus namaycush*, in Lake Michigan. NOAA Rep. No. NOAA-72021122; and Master's thesis. Michigan State University. 97 pp.
877. Hesse, J. L. 1973. Heavy Metals in the Atmospheric Samples Along Michigan's Shoreline of Lake Michigan. Michigan Dept. Nat. Resour., Bureau of Water Manag., Michigan Water Resour. Commission. Lake Michigan Toxic Substances Committee Rep. Lansing, Michigan. 3 pp.

878. Hesse, J. L. 1976. Polychlorinated Biphenyl Usage and Sources of Loss to the Environment in Michigan. In: Ayers, F. A. (compiler). National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, Illinois, EPA-560/6-75-004, NTIS Rep. No. PB-253-248-9, pp. 127-133.
879. Hesse, J. L.; Evans, E. D. 1972. Heavy Metals in Surface Waters, Sediments and Fish in Michigan. Michigan Dept. Nat. Resour., and Michigan Water Resour. Commission. Lansing, Michigan. 58 pp.
880. Hester, F. E. 1972. The Role of the Bureau of Sport Fisheries and Wildlife in the Great Lakes. In: Davies, T. T. (ed.). Proceedings 1st Federal Conf. on the Great Lakes. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
881. Hester, N. C.; Fraser, G. S. 1973. Sedimentology of a Beach Ridge Complex and its Significance in Land-Use Planning. III. State Geol. Surv. Environ. Geol. Notes 63. 24 pp.
882. Hester, N. C.; Fraser, G. S. 1975. Significance of Sedimentological Studies to Man's Use of Transitory Coastal Areas. Environ. Geol. 1(2): 115-127.
883. Hewson, E. W.; Gill, G. C.; Walke, G. J. 1963. Smoke Plume Photography Study, Big Rock Point Nuclear Power Plant, Charlevoix, Michigan. University of Michigan Res. Inst. Rep. 04015-3-P. Ann Arbor, Michigan.
884. Hewson, E. W.; Olsson, L. E. 1967. Lake Effects on Air Pollution Dispersion. J. Air Pollut. Control Assoc. 17(11): 757-761.
885. Hickey, J. J.; Keith, J. A. 1965. Pesticides in the Lake Michigan Ecosystem. In: U.S. Fish Wildl. Circ. 226, The Effects of Pesticides on Fish and Wildlife, pp. 11. U.S. Govt. Printing Office, Washington, D.C.
886. Hickey, J. J.; Keith, J. A.; Coon, F. B. 1965. An Exploration of Pesticides in a Lake Michigan Ecosystem. U.S. Fish Wildl. Serv., Bureau Sport Fish. Wildl., Comp. Rep. (Part 1) for Contract 14-16-0008-659. 30 pp.
887. Hickey, J. J.; Keith, J. A.; Coon, F. B. 1966. An Exploration of Pesticides in a Lake Michigan Ecosystem. J. Appl. Ecol. 3(Suppl.): 141-154.
888. Hile, R. 1962. Collection and Analysis of Commercial Fishery Statistics in the Great Lakes. Great Lakes Fishery Comm. Tech. Rep. No. 5. Ann Arbor, Michigan. 31 pp.
889. Hile, R. 1966. U.S. Federal Research on Fisheries and Limnology in the Great Lakes Through 1964: An Annotated Bibliography. U.S. Fish Wildl. Serv. Spec. Sci. Rep. Fish. 528. 53 pp.

890. Hill, J. D. 1970. Bluff Erosion Study: Ludington Pumped Storage Project. Master's thesis. University of Michigan. 22 pp.
891. Hill, J. R. 1973. Geology for the Public: A Field Guide to the Lake Michigan Shore in Indiana. Indiana Dept. Nat. Resour., Geol. Surv. Guideb. 31 pp.
892. Hill, J. R. 1974. The Indiana Dunes--Legacy of Sand. Indiana Dept. Nat. Resour., Geol. Surv. Spec. Rep. No. 8. 9 pp.
893. Hiltunen, J. K. 1967. Some Oligochaetes from Lake Michigan. Trans. Am. Microsc. Soc. 86(4): 433-454.
894. Hiltunen, J. K. 1973. A Laboratory Guide. Key to the Tubificid and Naidid Oligochaeta of the Great Lakes Region. U.S. Fish Wildl. Serv., Great Lakes Fishery Laboratory. Ann Arbor, Michigan. 24 pp.
895. Hiney, R. A. 1969. Optimum Regulation of the Level of the Great Lakes. In: Proceedings 12th Conference Great Lakes Research, pp. 449-468. Internat. Assoc. Great Lakes Res.
896. Hinrichs, M. A.; Booke, H. E. 1975. Egg Development and Larval Feeding of the Lake Herring, *Coregonus artedii* (Le Seur). University of Wisconsin-Stevens Point, Mus. Nat. Hist., Rep. on Fauna and Flora of Wisconsin 14(4): 75-86.
897. Hlavek, R. R. 1971. The Reproductive Cycle of the Alewife, *Alosa pseudoharengus* (Wilson), in Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee. 70 pp.
898. Hoagman, W. J. 1970. Fluctuations in the Populations of Lake Herring (*Leucichthys artedii*) and Rainbow Smelt (*Osmerus mordax*) in Northern Green Bay, 1919-1970. Proc. Lake Superior Biol. Conf. Wisconsin State Univ., Superior, Wisconsin.
899. Hoagman, W. J. 1970. Population Dynamics of Juvenile Alewife and Coregonids of Green Bay, Lake Michigan. Construction and Evaluation of Free-Falling Net for Sampling Mesopelagic Fishes. NOAA Rep. No. NOAA-72053112; and NTIS Rep. No. COM-72-10565. 32 pp.
900. Hoagman, W. J. 1973. The Hatching, Distribution, Abundance, Growth, and Food of the Larval Lake Whitefish (*Coregonus clupeaformis* Mitchill) of Central Green Bay, Lake Michigan. Inst. Freshwater Res. (Drottningholm) 53: 1-20.
901. Hoagman, W. J. 1974. Vital Activity Parameters as Related to the Early Life History of Larval and Post-Larval Lake Whitefish (*Coregonus clupeaformis*). In: Blaxter, J. H. S. (ed.). The Early Life History of Fish, pp. 547-558. Springer-Verlag, New York, New York.
902. Hoagman, W. J. 1974. Feeding by Alewives (*Alosa pseudoharengus*) on Larval Lake Whitefish (*Coregonus clupeaformis*) in the Laboratory. J. Fish. Res. Board Can. 31(2): 229-230.

903. Hockings, W. A.; Rose, D. H.; Snelgrove, A. K. 1969. Technological Aspects of Manganese Nodules in Lake Michigan. *Skillings' Mining Review* 58(43): 8-9.
904. Hodges, J. W. 1972. Downstream Migration of Recently Transformed Sea Lampreys Before and After Treatment of a Lake Michigan Tributary with a Lampricide. *J. Fish. Res. Board Can.* 29(8): 1237-1240.
905. Hoglund, B.; Spigarelli, S. A. 1972. Studies in the Sinking Plume Phenomenon. In: *Proceedings 15th Conference on Great Lakes Research*, pp. 614-624. *Internat. Assoc. Great Lakes Res.*
906. Hoglund, M. B. 1976. Nearshore Plume and Current Studies in Eastern Lake Michigan. In: *Watson, A. E. P. (ed.). Dynamics of Stratification and of Stratified Flow in Large Lakes*, pp. 125-142. *International Joint Commission, Great Lakes Research Advisory Board. Windsor, Ontario.*
907. Hogman, W. J. 1969. Documentation of a Computer Program for Multi-Species Fish Populations. *University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 9. Milwaukee, Wisconsin. 30 pp.*
908. Hogman, W. J. 1970. Early Scale Development on the Great Lakes Coregonids, *Coregonus artedii* and *C. kiyi*. In: *Lindsey, C. C., and Woods, C. S. (eds.). Biology of Coregonid Fishes*, pp. 429-436. *University of Manitoba Press. Winnipeg, Manitoba.*
909. Hogman, W. J. 1971. The Larvae of the Lake Whitefish, (*Coregonus clupeaformis* Mitchill) of Green Bay, Lake Michigan. *Ph.D. thesis. University of Wisconsin-Madison. 126 pp.*
910. Holland, R. E. 1968. Correlation of *Melosira* Species with Trophic Conditions in Lake Michigan. *Limnol. Oceanogr.* 13(3): 555-557.
911. Holland, R. E. 1969. Seasonal Fluctuations of Lake Michigan Diatoms. *Limnol. Oceanogr.* 14: 423-436.
912. Holland, R. E.; Beeton, A. M. 1972. Significance to Eutrophication of Spatial Differences in Nutrients and Diatoms in Lake Michigan. *Limnol. Oceanogr.* 17(1): 88-96.
913. Holland, R. E.; Clatfin, L. W. 1975. Horizontal Distribution of Planktonic Diatoms in Green Bay, Mid-July 1970. *Limnol. Oceanogr.* 20(3): 365-378.
914. Holleyman, J. B. 1966. Some Results of the Program Conducted by Great Lakes-Illinois River Basins Project on the Great Lakes. In: *Proceedings 9th Conference Great Lakes Research*, pp. 323-331. *University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.*
915. Holleyman, J. B. 1968. A Study of Relationship of Coliform Count in Calumet-Indiana Harbor Area to Wind Direction and Precipitation. In: *Proceedings 11th Conference Great Lakes Research*, pp. 544-549. *Internat. Assoc. Great Lakes Res.*

916. Holzer, J. A. 1971. The Effects of Thermal Shock, Disease and Morbidity on Electrolyte Metabolism in the Alewife. Master's thesis. University of Wisconsin-Milwaukee. 45 pp.
917. Hough, J. L. 1962. Geologic Framework. In: Pincus, H. J. (ed.). Great Lakes Basin, pp. 3-27. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
918. Hough, J. L. 1963. The Prehistoric Great Lakes of North America. Am. Sci. 51: 84-109.
919. Hough, J. L. 1963. The Prehistoric Great Lakes of North America. In: Brode, W. R. (ed.). Science in Progress, 15th Ser., pp. 167-208. Yale Univ. Press, New Haven, Conn.
920. Hough, J. L. 1966. Correlation of Glacial Lake Stages in the Huron-Erie and Michigan Basins. J. Geol. 74: 62-77.
921. Hough, J. L. 1967. Geological Studies of Lake Michigan. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 228-246. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
922. House, R.; Wells, L. 1973. Age, Growth, Spawning Season, and Fecundity of the Trout-Perch (*Percopsis omiscomaycus*) in Southeastern Lake Michigan. J. Fish. Res. Board Can. 30(8): 1221-1225.
923. Howell, G. S., Jr.; Ries, S. K. 1972. The Influence of Herbicides Used on Horticultural Crops on Stream Ecology. Office Water Resour. Res. Rep. No. OWRR-A-039-MICH(1), and NTIS Rep. No. PB-217 881/2. 16 pp.
924. Howell, J. H.; King, E. L., Jr.; Smith, A. J.; Hanson, L. H. 1964. Synergism of 5,2'-dichloro-4'-nitro-salicylanilide and 3-trifluoromethyl-4-nitrophenol in a Selective Lamprey Larvicide. Great Lakes Fishery Comm. Tech. Rep. No. 8. Ann Arbor, Michigan. 21 pp.
925. Howlett, G. F. 1974. The Rooted Vegetation of West Green Bay with Reference to Environmental Change. Master's thesis. Syracuse University, Syracuse, N.Y.
926. Howmiller, R. P. 1971. A Comparison of the Effectiveness of Ekman and Ponar Grabs. Trans. Am. Fish. Soc. 100(3): 560-564.
927. Howmiller, R. P. 1971. The Benthic Macrofauna of Green Bay, Lake Michigan. Ph.D. thesis. University of Wisconsin-Madison. 241 pp.
928. Howmiller, R. P. 1972. Effects of Preservatives on Weights of Some Common Macrobenthic Invertebrates. Trans. Am. Fish. Soc. 101(4): 473-746.
929. Howmiller, R. P. 1974. Composition of the Oligochaete Fauna of Central Lake Michigan. In: Proceedings 17th Conference Great Lakes Research, Part 1, pp. 589-592. Internat. Assoc. Great Lakes Res.

930. Howmiller, R. P. 1974. A Review of Selected Research on the Biology and Sediments of Southern Lake Michigan with Particular Reference to the Calumet Area. In: Snow, R. H. (ed.). Water Pollution Investigation: Calumet Area of Lake Michigan, Vol. 2, Appendix A, pp. 1-A/1-A/77. U.S. Environmental Protection Agency, Region V., Rep. No. EPA 905/9-74-011-A. Chicago, Illinois.
931. Howmiller, R. P.; Beeton, A. M. 1966. Bottom Fauna Investigation in Lower Green Bay. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, SPC-TD. Milwaukee, Wisconsin.
932. Howmiller, R. P.; Beeton, A. M. 1970. The Oligochaete Fauna of Green Bay, Lake Michigan. In: Proceedings 13th Conference Great Lakes Research, Part 1, pp. 15-46. Internat. Assoc. Great Lakes Res.
933. Howmiller, R. P.; Beeton, A. M. 1971. Biological Evaluation of Environmental Quality, Green Bay, Lake Michigan. J. Water Pollut. Control Fed. 43(1): 123-133.
934. Howmiller, R. P.; Beeton, A. M. 1972. Report on a Cruise of the R/V Neeskay in Central Lake Michigan and Green Bay, 8-14 July 1971. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 13. Milwaukee, Wisconsin. 71 pp.
935. Huang, J. C. K. 1969. The Thermal Current Structure in Lake Michigan--A Theoretical and Observational Model Study. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 43. Ann Arbor, Michigan. 169 pp.; and Ph.D. thesis. University of Michigan.
936. Huang, J. C. K. 1971. The Thermal Current in Lake Michigan. J. Phys. Oceanogr. 1(2): 105-122.
937. Huang, J. C. K. 1971. Eddy Diffusivity in Lake Michigan. J. Geophys. Res. 76: 8147-8152.
938. Huang, J. C. K. 1972. The Thermal Bar. Geophys. Fluid Dynamics 3: 1-25.
939. Hubbs, C. L.; Lagler, K. F. 1964. Fishes of the Great Lakes Region. University of Michigan Press. Ann Arbor, Michigan. 213 pp.
940. Huddleston, J. 1975. Economic Impact of Recreation in the Coastal Zone. Wisconsin Coastal Zone Manag. Prog. 116 pp.
941. Huff, F. A.; Beebe, R. C.; Jones, D. M. A.; Morgan, G. M., Jr.; Semonin, R. G. 1971. Effect of Cooling Tower Effluents on Atmospheric Conditions in Northeastern Illinois. NTIS Rep. No. PB-197 562. CIRC-100. 43 pp.
942. Hughes, L. A. 1965. The Prediction of Surges in the Southern Basin of Lake Michigan, Part III. The Operational Basis for Prediction. Mon. Weather Rev. 93(5): 292-296.

943. Hughes, L. A. 1968. Wind Waves on the Great Lakes. ESSA Tech. Memo. WBTM CR-21. U.S. Dept. Commerce, Environ. Sci. Services Admin., Weather Bureau, Central Region. Kansas City, Kansas. 46 pp. (unpublished report).
944. Hughes, L. A. 1971. The Temperature Cycle of Lake Michigan: 2. Fall and Winter. NOAA Tech. Memo. NWS CR-46. National Weather Service, Central Region. Kansas City, Kansas. 4 pp. (unpublished report).
945. Hughes, L. A. 1971. The Temperature Cycle of Lake Michigan: 1. Spring and Summer. NOAA Tech. Memo. NWS CR-41. National Weather Service, Central Region. Kansas City, Kansas. 16 pp. (unpublished report).
946. Hughes, T. H.; Birchfield, G. E.; Matthies, M. T. 1972. A Compilation of the Average Depths of Lake Michigan and Lake Ontario on a Two-Minute Grid. Argonne National Laboratory Rep. No. ANL/ES-10. Argonne, Illinois. 94 pp.
947. Huh, H. T. 1969. Characteristics of Inshore and Offshore Waters of Lake Michigan at Milwaukee, Wisconsin--with Reference to Long-Term Monitoring of Eutrophication. Master's thesis. University of Wisconsin-Milwaukee.
948. Huh, H. T.; Everhart, J. D.; Kondrat, C. V.; Lingle, J. W.; Urry, J. M. 1972. Field Study Program of Lake Michigan in the Vicinity of the Waukegan and Zion Generating Stations, Project X. Industrial Bio-Test Laboratories. Northbrook, Illinois. 107 pp.
949. See 950.
950. Hulsey, J. D. 1962. Beach Sediments of Eastern Lake Michigan. Ph.D. thesis. University of Illinois at Urbana-Champaign. 165 pp.
951. Humphrey, H. E. B. 1976. Evaluation of Changes of the Level of PCB in Human Tissue. Michigan Dept. of Public Health. FDA Contract 223-73-2209.
952. Hunt, G. S. 1965. The Direct Effects on Some Plants and Animals of Pollution in the Great Lakes. *BioScience* 15: 181-186.
953. Hurtado, P. S. 1973. Regional Development: A Functional Classification of the Great Lakes Commercial Ports. Master's thesis. University of Wisconsin-Milwaukee.
954. Hutchinson, R. D. 1970. Water Resources of Racine and Kenosha Counties, Southeastern Wisconsin. U.S. Geol. Surv. Water Supply Paper 1878. 63 pp.
955. Hutchinson, T. C.; Fitchko, J. 1974. Heavy Metal Concentrations and Distributions in River Mouth Sediments Around the Great Lakes. In: *Proceedings Internat. Conf. on Transport of Persistent Chemicals in Aquatic Ecosystems*, Ottawa, Ontario, pp. 69-78.

956. Hydrocon, Inc. 1974. The Distribution of Excess Temperature from Zion Generating Station on Lake Michigan, Fall Study Period (Dec. 1973). Hydrocon, Inc. Baltimore, Maryland. Report prepared for Commonwealth Edison Co., Chicago, Illinois.
957. Hydrocon, Inc. 1975. Lake Currents in the Nearshore Zone of Lake Michigan near the Zion Nuclear Generating Station. Hydrocon, Inc. Baltimore, Maryland. Report prepared for Commonwealth Edison Co., Chicago, Illinois. 38 pp.
958. Hydrosience, Inc. 1973. Limnological Systems Analysis for the Great Lakes. Phase I -- Preliminary Model Design. DACW-35-71-30030. Great Lakes Basin Commission. Ann Arbor, Michigan. 473 pp.
959. Illinois Coastal Zone Manag. Prog. 1976. Techniques for Management in the Illinois Coastal Zone Through a State-Local Partnership. Illinois Dept. of Transportation, Div. of Water Resour. Chicago, Illinois. 32 pp.
960. Illinois Coastal Zone Manag. Prog. 1976. Second Year Work Product, Volume V: Coastal Use Needs and Capacities. Illinois Dept. of Transportation, Ill. Coastal Zone Manag. Prog.
961. Illinois Coastal Zone Manag. Prog. 1976. Second Year Work Product, Volume I: Legal Analysis. Illinois Dept. of Transportation, Ill. Coastal Zone Manag. Prog.
- 962a. Illinois Committee on Lake Michigan. 1975. Special Committee on Lake Michigan: Report to the House of Representatives and the 78th General Assembly of the State of Illinois. Illinois Committee on Lake Michigan. Springfield, Illinois. 245 pp.
- 962b. Illinois Dept. Conserv., Div. Natural Areas. 1976. Illinois Beach Natural Areas Inventory and Rating North of Shiloh Boulevard (1976) and Inventory Data for Areas #1066 and #1083. U.S. Army Corps of Engineers, Chicago District. Chicago, Illinois.
963. Illinois Dept. of Transportation, Div. of Water Resour. 1976. Illinois Coastal Zone Management Program. Preliminary Draft. Illinois Dept. of Transportation, Div. of Water Resour. 162 pp. + appendices.
964. Illinois Dept. of Transportation, Div. of Water Resour. 1976. Selection of the Boundaries of the Coastal Zone in Illinois. Illinois Coastal Zone Management Program Staff Technical Paper. Illinois Dept. of Transportation, Div. of Water Resour. 14 pp.
965. Illinois Dept. of Transportation, Div. of Water Resour.; Barton-Aschman Associates, Inc. 1975. The Illinois Coastal Zone Management Program. A Work Program for the Three Year Planning Period. Illinois Dept. of Transportation, Div. of Water Resour.; and Barton-Aschman Associates, Inc. 201 pp.

- 966a. Illinois Div. of Waterways. 1970. Chicago Waterways Plan: A Comprehensive Water Resource Management Plan for the Chicago Waterways and Lake Michigan Shorewaters. Illinois Div. of Waterways. Springfield, Illinois.
- 966b. Illinois Div. of Waterways. 1974. Interim Report for Erosion Control, Illinois Shore of Lake Michigan. Illinois Div. of Waterways. Springfield, Illinois.
967. Illinois Environmental Protection Agency, Div. Water Pollut. Control, Planning Standards Section. 1976. Phase I of the Water Quality Management Basin Plan for the Des Plaines River/Lake Michigan Basin, Vol. 1: Existing Water Quality. Illinois Environmental Protection Agency, Div. of Water Pollution Control, Planning and Standards Section. Springfield, Illinois.
968. Illinois Environmental Protection Agency. 1970. Lake Michigan Shore Water Quality Survey, 1970. Illinois Environmental Protection Agency. Springfield, Illinois. 31 pp.
969. Illinois Environmental Protection Agency. 1970. Lake Michigan Open Water and Lake Bed Survey, 1969. Illinois Environmental Protection Agency. Chicago, Illinois. 39 pp.
970. Illinois Environmental Protection Agency. 1970. Lake Michigan Shore Water Survey, 1969. Illinois Environmental Protection Agency. Chicago, Illinois. 32 pp.
971. Illinois Environmental Protection Agency. 1971. Lake Michigan Shore Water Survey, 1971. Illinois Environmental Protection Agency. Springfield, Illinois. 25 pp.
972. Illinois Environmental Protection Agency. 1971. Lake Michigan Open Water and Lake Bed Survey, 1970. Illinois Environmental Protection Agency. Springfield, Illinois.
973. Illinois Environmental Protection Agency. 1971. 1970 Shore Water Survey. Illinois Environmental Protection Agency Report to the Governor and 77th General Assembly.
974. Illinois Environmental Protection Agency. 1972. Lake Michigan Open Water and Lake Bed Survey 1971. Illinois Environmental Protection Agency. Springfield, Illinois.
975. Illinois Institute for Environ. Qual. 1973. Lake Michigan Discharge Studies. Illinois Institute Environ. Qual. Doc. No. 73-4. 141 pp.
976. Illinois Nat. Hist. Surv. 1976. Illinois Coastal Zone Management Program: Component Study of Biological Communities. Ill. Nat. Hist. Surv. Prepared for the Illinois Coastal Zone Manag. Prog. Champaign, Illinois. 106 pp.

977. Illinois Nat. Hist. Surv. 1976. Illinois Coastal Zone Management Program, Second Year Work Product, Vol. IV. Coastal Biological Studies. Appendix: Biological Inventory. Ill. Nat. Hist. Surv. Prepared for the Illinois Coastal Zone Manag. Prog. Champaign, Illinois. 186 pp.
978. Illinois Sanitary Water Board. 1968. Water Quality Standards (Interstate Waters, Lake Michigan, and Little Calumet River, Grand Calumet River and Wolf Lake). Illinois Sanitary Water Board. Rules and Reg. SWB-7. Springfield, Illinois. 22 pp.
979. Illinois Sanitary Water Board. 1969. Lake Michigan Beach Survey 1968. Illinois Sanitary Water Board. Springfield, Illinois.
980. Illinois Sanitary Water Board. 1969. Lake Michigan Open Water and Lake Bed Survey, 1968. Illinois Sanitary Water Board. Springfield, Illinois. 35 pp.
981. Illinois State Geol. Surv. 1961. Guide to the Geologic Map of Illinois. Ill. State Geol. Surv. Educational Ser. No. 7. 24 pp.
982. Illinois State Geol. Surv. 1975. Illinois Coastal Zone Manag. Prog. First Year Work Product. Volume II. Coastal Geological Studies. Map Appendix: Hydrographic Maps of the Illinois Shore Between Wisconsin and Wilmette. Illinois Coastal Zone Manag. Prog. Champaign, Illinois. 34 pp.
983. Illinois State Geol. Surv. 1975. First Year Work Product, Vol. II. Coastal Geological Studies. Illinois Coastal Zone Manag. Prog.; NOAA Rep. No. NOAA-76013009; and NTIS Rep. No. PB-250 136/9SL. 276 pp.
984. Illinois Water Pollut. and Water Resour. Commission. 1968. Report on Lake Michigan Water Pollution. Illinois Water Pollut. and Water Resour. Commission. Chicago, Illinois.
985. Illinois Water Resour. Center; Indiana Water Resour. Center; Kentucky Water Resour. Center; Michigan Water Resour. Center; Minnesota Water Resour. Center; Ohio Water Resour. Center; Wisconsin Water Resour. Center. 1975. Water Resources Problems, Research Needs and Budget Projections, FY 1978. National Association of Water Institute Directors. 100 pp.
986. Illinois Water Resour. Commission. 1976. Investigation of Options for Increasing Use Efficiency of Lake Michigan Diversion Water. Illinois Water Resour. Commission, Ad Hoc Committee. Chicago, Illinois.
987. Indiana Dept. Nat. Resour., Div. Water. 1968. Geohydrology and Groundwater Potential of Porter and LaPorte Counties, Indiana. Indiana Dept. Nat. Resour., Div. Water Bull. No. 32. 22 pp.
988. Indiana Dept. Nat. Resour., Div. Water. 1968. Geohydrology and Groundwater Potential of St. Joseph County, Indiana. Indiana Dept. Nat. Resour., Div. Water Bull. No. 33. 20 pp.

989. Indiana Michigan Power Co. 1973. Final Environmental Statement Related to the Operation of the of the Donald C. Cook Nuclear Power Plant. Units 1 and 2. U.S. Atomic Energy Commission DOCKET No. 50-315, and 50-316.
990. Indiana Michigan Power Co. 1975. Plan of Study and Demonstration Concerning Thermal Discharges at the Donald C. Cook Nuclear Plant. Michigan Dept. Nat. Resour., Michigan Water Resour. Commission. Lansing, Michigan.
991. Indiana Stream Pollut. Control Board. 1967. Report on Water Quality Criteria and Plan for Implementation, Lake Michigan Basin, Indiana. Indiana Stream Pollut. Control Board. 72 pp.
992. Indiana Stream Pollut. Control Board. 1973. Water Quality Standards: Regulation SPC 4-R: Lake Michigan and Contiguous Harbor Areas. Indiana Stream Pollut. Control Board. 5 pp.
993. Indiana and Michigan Electric Co. 1976. Report of the Performance of Thermal Plume Areal Measurements. Volumes 1 and 2. Indiana and Michigan Electric Co.
994. Industrial Bio-Test Laboratories. 1969. Preoperational Environmental Monitoring (Thermal) of Lake Michigan near Zion Station, July 1969 - December 1969. Industrial Bio-Test Laboratories Rep. Nos. W7658 & W8096. Prepared for Commonwealth Edison Co., Chicago, Illinois. 64 pp.
995. Industrial Bio-Test Laboratories. 1970. Bailly Generating Station, Nuclear 1: Section 3.0, January 1967 to December 1969. Northern Indiana Public Service Co. Hammond, Indiana. 110 pp.
996. Industrial Bio-Test Laboratories. 1971. 1970 Temperature and Dissolved Oxygen Monitoring at Waukegan (IBT W8954), January 1970 to February 1971. Commonwealth Edison Co. Chicago, Illinois. 80 pp.
997. Industrial Bio-Test Laboratories. 1971. Buoyant Plume Study (IBT No. W8960), April 1970 to June 1971. Commonwealth Edison Co. Chicago, Illinois.
998. Industrial Bio-Test Laboratories. 1971. Field Study on Benthos (IBT No. 8960), May 1970 to March 1971. Commonwealth Edison Co. Chicago, Illinois. 50 pp.
999. Industrial Bio-Test Laboratories. 1971. Bailly Nuclear 1: Section 5.0 Environs Ecology, September 1970 to October 1970. Northern Indiana Public Service Co. Hammond, Indiana. 55 pp.
1000. Industrial Bio-Test Laboratories. 1971. 1970-71 Physiological Effects of Fish (IBT W8957), April 1970 to February 1971. Commonwealth Edison Co. Chicago, Illinois. 30 pp.

1001. Industrial Bio-Test Laboratories. 1971. Phytoplankton Study, Project III (IBT No. W8956). In: Evaluation of Thermal Effects in Southwestern Lake Michigan. Waukegan and Zion Generating Stations, May 1970-March 1971. Prepared by Industrial Bio-Test Laboratories, Inc. for Commonwealth Edison Co., Chicago, Illinois.
1002. Industrial Bio-Test Laboratories. 1971. Lake Michigan Thermal Studies near Waukegan and Zion Stations, Project VII, First Report, Sept. 1970-Feb. 1971. Commonwealth Edison Co., Chicago, Illinois.
1003. Industrial Bio-Test Laboratories. 1971. Lake Michigan Thermal Studies near Waukegan and Zion Stations, Project VII, Final Report, Mar.-June, 1971. Commonwealth Edison Co., Chicago, Illinois.
1004. Industrial Bio-Test Laboratories. 1971. Fish Field Study for Lake Michigan, Project VII, Final Report, March through October, 1970. Commonwealth Edison Co., Chicago, Illinois.
1005. Industrial Bio-Test Laboratories. 1971. Field Studies on Periphyton Growth near Zion and Waukegan Stations, Project V, April 1970-March 1971 (IBT No. W8958). Commonwealth Edison Co., Chicago, Illinois.
1006. Industrial Bio-Test Laboratories. 1971. Zooplankton Study, Project VIII (IBT No. W8961). In: Evaluation of Thermal Effects in Southwestern Lake Michigan, Waukegan and Zion Generating Stations, May 1970-March 1971. Prepared by Industrial Bio-Test Laboratories, Inc. for Commonwealth Edison Co., Chicago, Illinois.
1007. Industrial Bio-Test Laboratories. 1971. On the Tritium Concentration of Lake Michigan Water near the Zion Station, Zion, Illinois, for the Period January-December 1970. Industrial Bio-Test Laboratories, Rep. No. W9023. Final Report to Commonwealth Edison Co., Chicago, Illinois.
1008. Industrial Bio-Test Laboratories. 1972. Preoperational Thermal Monitoring Program of Lake Michigan near the Kewaunee Nuclear Power Plant, January 1971-December 1971. Wisconsin Public Service Corp. Green Bay, Wisconsin.
1009. Industrial Bio-Test Laboratories. 1972. Preoperational Thermal Monitoring Program of Lake Michigan (1971-1972). Industrial Bio-Test Laboratories, Water Quality Section. Project XI, May 1971-April 1972, Rep. No. W9861. Northbrook, Illinois. 222 pp.
1010. Industrial Bio-Test Laboratories. 1972. Evaluation of Thermal Effects in Southwestern Lake Michigan (January 1970-April 1971). Industrial Bio-Test Laboratories. Inshore Water Quality Evaluation, Jan. 1970-April 1971. Project II, Rep. No. W8955, Part A-Chemistry. Report to Commonwealth Edison, Co., Chicago, Illinois.
1011. Industrial Bio-Test Laboratories. 1972. 1972 Spring Thermal Bar in the Waukegan - Zion Area. Commonwealth Edison Co. Chicago, Illinois. 35 pp.

1012. Industrial Bio-Test Laboratories. 1972. 1972 Effects of Gas Supersaturation on Fish: Field and Laboratory Studies. Commonwealth Edison Co. Chicago, Illinois. 50 pp.
1013. Industrial Bio-Test Laboratories. 1972. Field Study Program of Lake Michigan in the Vicinity of the Waukegan and Zion Generating Station, April-December, 1971. Commonwealth Edison, Co., Chicago, Illinois.
1014. Industrial Bio-Test Laboratories. 1972. Intake-Discharge Experiments at Waukegan Generating Station, Project XI, April-December, 1971. Commonwealth Edison Co., Chicago, Illinois.
1015. Industrial Bio-Test Laboratories. 1973. Benthos Study. In: Industrial Bio-Test Laboratories. Environmental Monitoring in Lake Michigan Near Zion and Waukegan Generating Stations, January 1972-December 1972, Vol. II, pp. 227-305. Industrial Bio-Test Laboratories. Northbrook, Illinois.
1016. Industrial Bio-Test Laboratories. 1973. 1971-72 Fish Population and Life History Program, April 1971 to October 1972. Commonwealth Edison Co. Chicago, Illinois. 70 pp.
1017. Industrial Bio-Test Laboratories. 1973. 1970-72 Meteorological and Hydrological Monitoring (IBT No. W1282). Commonwealth Edison Co. Chicago, Illinois.
1018. Industrial Bio-Test Laboratories. 1974. Thermal Tolerance Limit Determinations for Lake Michigan Zooplankton. Industrial Bio-Test Laboratories. Project XVII-B, July 1972-March 1973, Rep. No. 643-01862. Northbrook, Illinois.
1019. Industrial Bio-Test Laboratories. 1974. Operational Environmental Monitoring in Lake Michigan Near Zion Station, July 1973 through June 1974, Vol. II. Industrial Bio-Test Laboratories Annual Report to Commonwealth Edison Co., Chicago, Illinois.
1020. Industrial Bio-Test Laboratories. 1974. Operational Environmental Monitoring in Lake Michigan, Zion Nuclear Plant, Units 1 and 2, July 1973-December 1973. Industrial Bio-Test Laboratories, Semi-Annual Report to Commonwealth Edison Co., July 1973-December 1973, Vol. 1-3. 1277 pp.
1021. Industrial Bio-Test Laboratories. 1975. Operational Environmental Monitoring Program of Lake Michigan near Kewaunee Nuclear Power Plant, Chemical and Biological Studies, January-December 1974. Industrial Bio-test Laboratories, Fourth Annual Report to Wisconsin Public Service Corp.
1022. Industrial Bio-Test Laboratories. 1975. Operational Environmental Monitoring in Lake Michigan near Zion Station, July 1974 through December 1974, Vol. II. Industrial Bio-Test Laboratories. Semi-Annual Report to Commonwealth Edison Co., Chicago, Illinois.

1023. Industrial Bio-Test Laboratories. 1975. Operational Environmental Monitoring in Lake Michigan near Zion Station, July 1974 through December 1974, Vol. I. Industrial Bio-Test Laboratories. Semi-Annual Report to Commonwealth Edison Co., Chicago, Illinois.
1024. Industrial Bio-Test Laboratories. 1975. Compilation of Special Reports on the Effects of Zion Station Operation on the Biota in Southwestern Lake Michigan. Industrial Bio-Test Laboratories. Report to Commonwealth Edison Co., Chicago, Illinois.
1025. Industrial Bio-test Laboratories. 1972. Evaluation of Thermal Effects in Southwestern Lake Michigan (January 1970-April 1971). Industrial Bio-Test Laboratories, Field Sampling Program, Project VII, IBT No. W8960, Part D. Offshore Water Quality, Feb. 1970-April 1971. Report to Commonwealth Edison Co., Chicago, Illinois. 140 pp.
1026. Inglis, A.; Henderson, C.; Johnson, W. L. 1971. Expanded Program for Pesticide Monitoring of Fish. Pestic. Monit. J. 5(1): 47-49.
1027. International Joint Commission, Great Lakes Research Advisory Board. 1975. 1975 Directory of Great Lakes Research Activities. International Joint Commission, Great Lakes Research Advisory Board. Windsor, Ontario. 747 pp.
1029. International Joint Commission, Great Lakes Science Advisory Board. 1973. Research Needs: Great Lakes Water Quality. International Joint Commission, Great Lakes Science Advisory Board, Semi-Annual Report. Windsor, Ontario. 23 pp.
1030. International Joint Commission. 1975. Annual Report 1974. International Joint Commission. Washington, D.C. and Ottawa, Ontario. 31 pp.
1031. International Joint Commission, Great Lakes Water Quality Board, Surveillance Subcommittee. 1975. Great Lakes Water Quality 1974, Appendix B: Annual Report of the Surveillance Subcommittee. International Joint Commission, Great Lakes Water Quality Board. Windsor, Ontario. 212 pp.
1032. International Joint Commission, Great Lakes Water Quality Board, Surveillance Subcommittee. 1976. Great Lakes Water Quality 1975, Appendix B: Annual Report of the Surveillance Subcommittee to the Implementation Committee. International Joint Commission, Great Lakes Water Quality Board. Windsor, Ontario. 272 pp.
1033. International Joint Commission, Great Lakes Water Quality Board, Remedial Programs Subcommittee. 1976. Great Lakes Water Quality 1975, Appendix C: Annual Report of the Remedial Programs Subcommittee. International Joint Commission, Great Lakes Water Quality Board. Windsor, Ontario. 149 pp. and Appendices I-IV.
1034. International Joint Commission, Great Lakes Water Quality Board, Water Quality Objectives Subcommittee. 1976. Great Lakes Water Quality 1975, Appendix A: Annual Report of the Water Quality Objectives Subcommittee. International Joint Commission, Great Lakes Water Quality Board. Windsor, Ontario.

1035. International Joint Commission, Great Lakes Water Quality Board, Water Quality Objectives Subcommittee. 1975. Great Lakes Water Quality 1974, Appendix A: Annual Report of the Water Quality Objectives Subcommittee. International Joint Commission, Great Lakes Water Quality Board. Windsor, Ontario.
1036. International Joint Commission, Great Lakes Water Quality Board. 1973. Great Lakes Water Quality, Annual Report to the International Joint Commission. International Joint Commission, Great Lakes Water Quality Board. Windsor, Ontario. 315 pp.
1037. International Joint Commission, Great Lakes Water Quality Board. 1974. Great Lakes Water Quality, Second Annual Report to the International Joint Commission. International Joint Commission, Great Lakes Water Quality Board. Windsor, Ontario. 115 pp. and 3 Appendices.
1038. International Joint Commission, Great Lakes Water Quality Board. 1975. Great Lakes Water Quality, Third Annual Report to the International Joint Commission. International Joint Commission, Great Lakes Water Quality Board. Windsor, Ontario. 170 pp.
1039. International Joint Commission, Great Lakes Water Quality Board. 1976. Great Lakes Water Quality 1975, Fourth Annual Report to the International Joint Commission. International Joint Commission, Great Lakes Water Quality Board. Windsor, Ontario. 162 pp.
1040. International Joint Commission. 1976. Annual Report 1975. International Joint Commission. Washington, D.C. and Ottawa, Ontario. 51 pp.
1041. International Joint Commission, International Great Lakes Levels Board. 1973. Regulation of Great Lakes Water Levels, Appendix B, Vol. 2 and 3: Lake Regulation. International Joint Commission, International Great Lakes Levels Board. Windsor, Ontario.
1042. International Joint Commission, International Great Lakes Levels Board. 1973. Regulation of Great Lakes Water Levels, Appendix C: Shore Property. International Joint Commission, International Great Lakes Levels Board. 188 pp.
1043. International Joint Commission, International Great Lakes Levels Board. 1968. Interim Report to the International Joint Commission on the Regulation of the Great Lakes Levels. International Joint Commission, International Great Lakes Levels Board. Windsor, Ontario.
1044. International Joint Commission, International Great Lakes Levels Board. 1973. Regulation of Great Lakes Water Levels, Appendix G: Regulatory Works. International Joint Commission, International Great Lakes Levels Board.
1045. International Joint Commission, International Great Lakes Levels Board. 1973. Regulation of Great Lakes Water Levels, Appendix D: Fish, Wildlife, and Recreation. International Joint Commission, International Great Lakes Levels Board. 185 pp.

1046. International Joint Commission, International Great Lakes Levels Board. 1973. Regulation of Great Lakes Water Levels, Appendix B, Vol. 1: Lake Regulation. International Joint Commission, International Great Lakes Levels Board. 294 pp.
1047. International Joint Commission, International Great Lakes Levels Board. 1973. Regulation of Great Lakes Water Levels, Appendix F: Power. International Joint Commission, International Great Lakes Levels Board. 122 pp.
1048. International Joint Commission, International Great Lakes Levels Board. 1973. Regulation of Great Lakes Water Levels, Appendix E: Commercial Navigation. International Joint Commission, International Great Lakes Levels Board. 150 pp.
1049. International Joint Commission, International Great Lakes Levels Board. 1973. Regulation of Great Lakes Water Levels, Appendix A: Hydrology and Hydraulics. International Joint Commission, International Great Lakes Levels Board. 59 pp.
1050. International Joint Commission, International Great Lakes Levels Board. 1973. Regulation of Great Lakes Water Levels--Main Report. International Joint Commission, International Great Lakes Levels Board. Windsor, Ontario. 294 pp.
1051. International Joint Commission, International Great Lakes Levels Board. 1974. Regulation of Great Lakes Water Levels, A Summary Report/1974. International Joint Commission, International Great Lakes Levels Board. Ottawa, Ontario and Washington, D.C. 39 pp.
1052. International Joint Commission, International Great Lakes Levels Board. 1976. Further Regulation of the Great Lakes. International Joint Commission, International Great Lakes Levels Board. Windsor, Ontario. 96 pp.
1053. International Joint Commission, International Reference Group on Great Lakes Pollution from Land Use Activities. 1974. Management Programs, Research and Effects of Present Land Use Activities on Water Quality of the Great Lakes. International Joint Commission, International Reference Group on Great Lakes Pollution from Land Use Activities, Vol. 1 and 2. 1052 pp.
1054. International Joint Commission, International Reference Group on Great Lakes Pollution from Land Use Activities. 1976. Summary Review of Pollution from Land Use Activities. International Joint Commission, International Reference Group on Great Lakes Pollution from Land Use Activities. Windsor, Ontario. 66 pp.
1055. International Joint Commission, International Reference Group on Great Lakes Pollution from Land Use Activities. 1976. Supplement to the Detailed Study Plan to Assess Great Lakes Pollution From Land Use Activities. International Joint Commission, International Reference Group On Great Lakes Pollution From Land Use Activities. 119 pp.

1056. International Joint Commission, International Reference Group on Great Lakes Pollution from Land Use Activities. 1974. Detailed Study Plan to Assess Great Lakes Pollution From Land Use Activities. International Joint Commission, International Reference Group On Great Lakes Pollution From Land Use Activites. PLUARG Summary. 148 pp.
1057. International Joint Commission, International Reference Group on Great Lakes Pollution from Land Use Activities. 1976. Annual Progress Report to the International Joint Commission. International Joint Commission, International Reference Group on Great Lakes Pollution from Land Use Activities. Windsor, Ontario. 64 pp.
1058. International Joint Commission. 1974. Second Annual Report on Great Lakes Water Quality. International Joint Commission. Washington, D.C. and Ottawa, Ontario. 18 pp.
1059. International Joint Commission. 1975. Third Annual Report 1974, Great Lakes Water Quality. International Joint Commission. Washington, D.C. and Ottawa, Ontario. 24 pp.
1060. Irish, S. M. 1965. The Prediction of Surges in the Southern Basin of Lake Michigan, Part II. A Case Study of the Surge of August 30, 1960. Mon. Weather Rev. 93: 282-291.
1061. Isleib, D. R. 1975. PCB Residues in Lake Michigan Fish. Q. Bull. Assoc. Food Drug Off. 39: 185-189.
1062. Jacko, R. B.; Yost, K. J.; Clikeman, F. M.; Christian, J. E.; Bruns, W. 1973. The Environmental Flow of Cadmium and Other Trace Metals, Volume 1. NTIS Rep. PB-229 478/3WP. 440 pp.
1063. Jackson, W. L. 1972. The Evolving Role of the Federal Government in the Management of Lake Michigan. Michigan Sea Grant Program Tech. Rep. No. 24. MICHU-SG-72-209. Ann Arbor, Michigan; and Master's thesis. University of Michigan. 129 pp.
1064. Jackson, W. L. 1973. Water Resource Management: The Dynamic Element. In: Proceedings 16th Conference Great Lakes Research, pp. 1029-1033. Internat. Assoc. Great Lakes Res.
1065. Jacoby, C. 1961. Relative Growth of Fins in the Fourhorn Sculpin, *Myoxocephalus quadricornis*, From the Upper Great Lakes. Copeia 1961(4): 473-475.
1066. Jaiyen, K. 1975. The History and Importance of the Rainbow Smelt, *Osmerus mordax* (Mitchell), in the Lake Michigan Fish Community, with Special Reference to Its Management as a Resource. Ph.D. thesis. University of Michigan. 166 pp.
1067. Jamsen, G. C. 1972. 1972 Michigan Sport Fishery Survey: All Fishing. Michigan Dept. Nat. Resour. Surveys and Statistics Div. Rep. No. 122, Appendix A. Lansing, Michigan. 51 pp.

1068. Jamsen, G. C. 1973. Assessment of the 1971 Sport Fishery. In: Michigan's Great Lakes Trout and Salmon Fishery, 1969-1972, pp. 20-32. Michigan Dept. Nat. Resour., Fish Manag. Rep. No. 5. Lansing, Michigan.
1069. See 1068.
1070. Jamsen, G. C.; Ellefson, P. V. 1971. Economic Evaluation of Michigan's Salmon-Trout Fishery. Trans. N. Am. Wildl. and Nat. Resour. Conf. 36: 397-405.
1071. Jamsen, G. C.; Ryckman, J. R.; Jamsen, F. W. 1970. Salmon, Steelhead and Lake Trout Sport Fishing in Michigan from January 1-June 3, 1969. Michigan and Dept. Nat. Resour., Res. Develop. Rep. 198. Lansing, Michigan. 8 pp.
1072. Janssen, J. 1976. Feeding Modes and Prey Size Selection in the Alewife (*Alosa pseudoharengus*). J. Fish. Res. Board Can. 33: 1972-1975.
1073. Jarvis, W. L.; Southern, W. E. 1976. Food Habits of Ring-Billed Gulls Breeding in the Great Lakes Region. Wilson Bull. 88(4): 621-631.
1074. Jaworski, E.; Raphael, C. N. 1976. The Confined Disposal Program for Polluted Dredge Spoil in the Great Lakes. J. Coastal Zone Manag. 3(1): 91-96.
1075. Jenkins, Merchant, Nankivil, Consulting Engineers. 1975. Illinois Beach State Park Reduction of Beach and Shore Erosion. Illinois Capital Development Board.
1076. Jensen, A. L. 1976. Assessment of the United States Lake Whitefish (*Coregonus clupeaformis*) Fisheries of Lake Superior, Lake Michigan, and Lake Huron. J. Fish. Res. Board Can. 33(4): 747-759; and Michigan Sea Grant Program Reprint No. MICHU-SG-76-305. Ann Arbor, Michigan.
1077. Jensen, A. L.; Buettner, H. J. 1976. Lake Trout, Whitefish, Chubs, and Lake Herring Yield and Effort Data for State of Michigan Waters of the Upper Great Lakes: 1929-1973. Michigan Sea Grant Program Rep. No. MICHU-SG-76-205. Ann Arbor, Michigan. 85 pp.
1078. Joeres, E. F. 1976. Analysis of Phosphorus Loading Strategy. Wasser Abwasser Forsch. Prax. 14: 227-295.
1079. Joeres, E. F.; Litwin, Y. J. 1973. Reliability and Accuracy of Data Measurement: The Water Quality Monitoring Network on the Lower Fox River in Wisconsin. University of Wisconsin Sea Grant Program Spec. Rep. No. WIS-SG-73-501. Madison, Wisconsin.
1080. Joeres, E. F.; Litwin, Y. J. 1974. Preliminary Analyses of Existing Data Collected by the Monitoring Network on the Lower Fox River in Wisconsin. University of Wisconsin Sea Grant Program Spec. Rep. No. WIS-SG-74-502. Madison, Wisconsin.

1081. Joeres, E. F.; Litwin, Y. J. 1974. A Guide to Water and Related Land Use in the Lower Fox River Watershed. University of Wisconsin Sea Grant Program Spec. Rep. No. WIS-SG-74-503. Madison, Wisconsin.
1082. Joeris, L. S.; Karvelis, E. G. 1962. The Present Status of Our Knowledge of the Biology of the Alewife in Northwestern Lake Michigan and Green Bay. U.S. Fish Wildl. Serv., Great Lakes Fish. Lab. 9 pp.
1083. Johnson, H. E.; Pecor, C. 1969. Coho Salmon Mortality and DDT in Lake Michigan. Trans. 34th N. Am. Wildl. Conf., pp. 159-166.
1084. Johnson, J. H. 1960. Surface Currents in Lake Michigan, 1954 and 1955. U.S. Fish Wildl. Serv. Spec. Sci. Rep. Fish. 338. 120 pp.
1085. Johnson, Johnson, and Roy, Inc. 1968. A Progress Report on the Future of Chicago's Lakefront. Johnson, Johnson, and Roy, Inc. Ann Arbor, Michigan. 52 pp.
1086. Johnson, R. G.; Monahan, E. C. 1971. Current Meter Observations of the Circulation in Grand Traverse Bay of Lake Michigan: Mooring Methods and Initial Results. Michigan Sea Grant Program Tech. Rep. No. 18. MICHU-SG-71-214. Ann Arbor, Michigan. 58 pp.
1087. Johnson, R. L. 1962. Factors Affecting Winter Quality of Lake Water. In: Proceedings 5th Conference Great Lakes Research, pp. 150-158. University of Michigan, Great Lakes Res. Div., Pub. No. 9. Ann Arbor, Michigan.
1088. Johnson, R. L. 1963. Tides and Seiches in Green Bay. In: Proceedings 6th Conference Great Lakes Research, pp. 51-54. University of Michigan, Great Lakes Res. Div., Pub. No. 10. Ann Arbor, Michigan.
1089. Johnson, W. D.; Fuller, F. D.; Scarce, L. E. 1967. Pesticides in the Green Bay Area. In: Proceedings 10th Conference Great Lakes Research, pp. 363-374. Internat. Assoc. Great Lakes Res.
1090. Johnson, W. D.; Kawahara, F. K.; Scarce, L. E.; Fuller, F. D.; Risley, C., Jr. 1968. Identification of Residual Oil Pollutants in Surface Waters of the Southern End of Lake Michigan. In: Proceedings 11th Conference Great Lakes Research, pp. 550-564. Internat. Assoc. Great Lakes Res.
1091. Johnston, E. M. 1973. Benton Harbor Power Plant Limnological Studies, Part XVIII. Effect of a Thermal Discharge on Benthos Populations: Statistical Methods for Assessing the Impact of the Cook Nuclear Plant. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 20 pp.
1092. Johnston, E. M. 1974. Benton Harbor Power Plant Limnological Studies, Part XX. Statistical Power of a Proposed Method for Detecting the Effect of Waste Heat on Benthos Populations. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 29 pp.

1093. Jones, D. L.; Bellaire, F. R. 1962. A Numerical Procedure for Computing Wind-Driven Currents on the Great Lakes. In: Proceedings 5th Conference Great Lakes Research, pp. 93-102. University of Michigan, Great Lakes Res. Div., Pub. No. 9. Ann Arbor, Michigan.
1094. Jones, D. M. A.; Meredith, D. D. 1972. Great Lakes Hydrology by Months, 1946-1965. In: Proceedings 15th Conference Great Lakes Research, pp. 477-506. Internat. Assoc. Great Lakes Res.; and University of Illinois, Water Resour. Center Res. Rep. No. 53. Urbana, Illinois. 59 pp.
1095. Jude, D. J. 1976. Fish. Indiana and Michigan Power Co. Donald C. Cook Nuclear Power Plant, Unit 1. Environmental Operation Report, July 1, 1975 through December 31, 1975, Appx. B-4.
1096. Jude, D. J. 1976. Entrainment of Fish Larvae and Eggs on the Great Lakes, with Special Reference to the D. C. Cook Nuclear Plant, Southeastern Lake Michigan. In: Jensen, L. D. (ed.). Third National Workshop on Entrainment and Impingement, Section 316(b)--Research and Compliance, pp. 177-199. Ecological Analysts, Inc.
1097. Jude, D. J.; Bottrell, T. W.; Dorr, J. A., III; Miller, T. J. 1973. Benton Harbor Power Plant Limnological Studies. Part XII. Studies of the Fish Populations near the Donald C. Cook Nuclear Power Plant. 1972. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 115 pp.
1098. Jude, D. J.; Tesar, F. J.; Dorr, J. A., III; Miller, T. J.; Rago, P. J.; Stewart, D. J. 1975. Inshore Lake Michigan Fish Populations near the Donald C. Cook Nuclear Power Plant, 1973. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 52. Ann Arbor, Michigan. 267 pp.
1099. Kanayama, R. K. 1963. The Use of Alkalinity and Conductivity Measurements to Estimate Concentrations of 3-trifluoromethyl-4-nitrophenol Required for Treating Lamprey Streams. Great Lakes Fishery Comm. Tech. Rep. No. 7. Ann Arbor, Michigan. 10 pp.
1100. Kapetsky, J. M.; Ryckman, J. R. 1973. The Grand Traverse Bay Sport Fishery: Angler, Activity, Revenue, and Economic Impact. Michigan Sea Grant Program Rep. No. MICHU-SG-73-201. Ann Arbor, Michigan.
1101. Kaplan, M. S. 1972. Chicago's South Water Filtration Plant. Water and Sewage Works 119(5): 102-105.
1102. Kapp, R. O.; Bushouse, S.; Foster, B. 1969. A Contribution to the Geology and Forest History of Beaver Island, Michigan. In: Proceedings 12th Conference Great Lakes Research, pp. 225-236. Internat. Assoc. Great Lakes Res.
1103. Karttunen, J. O.; Edgington, D. N. 1975. The Distribution of Plutonium in Lake Michigan Sediments. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 113-127. Argonne, Illinois.

1104. Katnik, K.; Redmond, D. 1974. Intake-Discharge Chemistry Study. In: Operational Environmental Monitoring in Lake Michigan Near Zion Station, July 1973-December 1973. Semi-Annual Report to Commonwealth Edison Co., Chicago, Illinois, pp. 83-153. Industrial Bio-Test Laboratories. Northbrook, Illinois.
1105. Katz, P. L.; Schwab, G. M. 1975. Modeling Episodes in Pollutant Dispersion in Lake Michigan. University of Illinois, Water Resour. Center Res. Rep. No. 97. Urbana, Illinois. 69 pp.
1106. Katz, P. L.; Schwab, G. M. 1976. Currents and Pollutant Dispersion in Lake Michigan, Modeled with Emphasis on the Calumet Region. University of Illinois, Water Resour. Center Res. Rep. No. 111, Final Report No. S-035-ILL and S-042-ILL. Urbana, Illinois. 70 pp.
1107. Kawahara, F. K. 1969. Identification and Differentiation of Heavy Residual Oil and Asphalt Pollutants in Surface Waters by Comparative Ratios of Infrared Absorbances. Environ. Sci. Technol. 3(2): 150-153.
1108. Kearney Co., Inc. 1972. Research Prospectus for Marine Pollution Control in the Great Lakes. Maritime Admin., Office of Maritime Technol. Rep. No. MA-RD-900-73009. Washington, D.C. 209 pp.
1109. Keen, C. S. 1976. Trajectory Analyses of Mesoscale Air Pollution Transport in the Lake Michigan Shoreline Environment. Ph.D. thesis. University of Wisconsin-Milwaukee. 260 pp.; and University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 29. Milwaukee, Wisconsin. 239 pp.
1110. Keener, R. B. 1974. Environmental Status of the Lake Michigan Region, Vol. 7. Earthquake History and Measurement with Application to the Lake Michigan Drainage Basin. Argonne National Laboratory Rep. No. ANL/ES-40, Vol. 7. Argonne, Illinois. 19 pp.
1111. Kehr, W. Q.; Ownbey, C. R. 1964. Water Resources Problems of Great Lakes. J. Am. Water Works Assoc. 56(9): 1167-1172.
1112. Keifer and Associates, Inc. 1974. Modifications of Lake Diversion Accounting Procedure at Chicago: Back-up Data. Keifer and Associates, Inc. Chicago, Illinois.
1113. Keifer and Associates, Inc. 1976. Lake Michigan Water Allocation Study. Illinois Dept. of Transportation, Div. of Water Resour. Chicago, Illinois.
1114. Keith, J. A. 1965. Reproductive Success in a DDT-Contaminated Population of Herring Gulls. In: U.S. Fish Wildl. Circ. 226, The Effects of Pesticides on Fish and Wildlife, pp. 11-12. U.S. Govt. Printing Office, Washington, D.C.
1115. Keith, J. A. 1966. Reproduction in a Population of Herring Gulls (*Larus argentatus*) Contaminated by DDT. J. Appl. Ecol. 3: 57-70.

1116. Keller, C. J. 1973. Light Microscopy of the Rostral Pars Distalis Follicles of the Alewife, *Alosa pseudoharengus* (Wilson). Master's thesis. University of Wisconsin-Milwaukee. 41 pp.
1117. Keller, M. 1969. Lake Trout Surveillance in Michigan's Waters of Lake Michigan. NOAA Rep. No. NOAA-73042715. 53 pp.
1118. Keller, M. 1972. Lake Trout Surveillance in Michigan's Waters of Lake Michigan, 1969-1971, Status Report. NOAA Rep. No. NOAA-73050407. 17 pp.
1119. Kelley, R. W. 1960. The Glacial Lakes Surrounding Michigan. Michigan Dept. Conserv., Geol. Surv. Div. Lansing, Michigan. 21 pp.
1120. Kelley, R. W. 1971. Geologic Sketch of Michigan Sand Dunes. Michigan Dept. Conserv., Geol. Surv. Div. Pamphl. No. 5. Lansing, Michigan. 20 pp.
1121. Kelnhofer, G. T. 1972. Preserving the Great Lakes. NTIS Rep. No. PB211-442. Prepared for National Water Commission by Resources Development Consultants, Inc. Arlington, Virginia. 73 pp.
1122. Kempa, L. L. 1973. Microbial Degradation of the Lamprey Larvicide 3-Trifluoromethyl-4-nitrophenol in Sediment-Water Systems. Great Lakes Fishery Comm. Tech. Rep. No. 18. Ann Arbor, Michigan. 16 pp.
1123. Kennedy, E. J.; Ruch, R. R.; Shimp, N. F. 1971. Distribution of Mercury in Unconsolidated Sediments from Southern Lake Michigan. Ill. State Geol. Surv. Environ. Geol. Notes 44. 18 pp.
1124. Kernen, L. T. 1970. Progress Report on Fish Management on Lake Michigan, 1969. Wisconsin Dept. Nat. Resour., Bureau of Fish Manag., Green Bay, Wisconsin.
1125. Kernen, L. T. 1974. Fishery Investigations on the Lower Fox River and South Green Bay in 1973-1974. Wisconsin Dept. Nat. Resour. Memo. Madison, Wisconsin. 6 pp.
1126. Kerns, C. L. 1976. Salmon Ranching in Lake Michigan. University of Alaska, Sea Grant Marine Advisory Board, Report prepared for Michigan Dept. Nat. Resour. 22 pp.
1127. Kidd, C. C. 1970. *Pontoporeia affinis* (Crustacea, Amphipoda) as a Monitor of Radioactivity in Lake Michigan. Ph.D. thesis. University of Michigan. 81 pp.
1128. Kidd, C. C. 1970. Benton Harbor Power Plant Limnological Studies. Part VI. *Pontoporeia affinis* (Crustacea, Amphipoda) as a Monitor of Radionuclides Released to Lake Michigan. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 71 pp.
1129. Kilham, P.; Titman, D. G. 1976. Some Biological Effects of Atmospheric Inputs to Lakes: Nutrient Ratios and Competitive Interactions Between Phytoplankton. J. Great Lakes Res. 2(Suppl. 1): 187-191.

1130. King, J. E.; Lineback, J. A.; Gross, D. L. 1976. Palynology and Sedimentology of Holocene Deposits in Southern Lake Michigan. III. State Geol. Surv. Circ. 496. 24 pp.
1131. Kirshner, L. D. 1960. U.S. Lake Survey. In: Proceedings 3rd Conference Great Lakes Research, pp. 129-133. University of Michigan, Great Lakes Res. Div., Pub. No. 4. Ann Arbor, Michigan.
1132. Kirshner, L. D. 1968. Effects of Diversions on the Great Lakes. In: Proceedings Great Lakes Water Resources Conf., June 24-26, 1968, Toronto, Ontario, pp. 277-310. Engin. Institute of Canada and Am. Soc. Civil Engin.; and U.S. Army Corps of Engineers, U.S. Lake Survey, Misc. Paper No. 68-7.
1133. Kitchel, M. A.; Otto, R. G. 1974. Screen Monitoring Study. In: Operational Environmental Monitoring in Lake Michigan near Zion Station, July 1973 through June 1974, Vol. III, Annual Report to Commonwealth Edison Co., Chicago, Illinois, pp. 345-374. Industrial Bio-Test Laboratories. Northbrook, Illinois.
1134. Kite, G. W. 1972. An Engineering Study of Crustal Movement Around the Great Lakes. Canada Centre for Inland Waters Tech. Bull. No. 63. 57 pp.
1135. Kizlauskas, A. G.; Katz, P. L. 1973. A Two-Layer Finite-Difference Model for Flows in Thermally Stratified Lake Michigan. In: Proceedings 16th Conference Great Lakes Research, pp. 743-753. Internat. Assoc. Great Lakes Res.
1136. Kizlauskas, A. G.; Katz, P. L. 1974. A Numerical Model for Summer Flows in Lake Michigan. Arch. Meteorol. Geophys. Bioklimatol. A. 23: 181-197.
1137. Klein, D. H. 1975. Fluxes, Residence Times, and Sources of Some Elements to Lake Michigan. Water Air Soil Pollut. 4(1): 3-8.
1138. Kleinert, S. J. 1970. Exploring Lake Michigan Wetlands. Wis. Conserv. Bull. 35(1): 18-19.
1139. Kleinert, S. J. 1976. Sources of Polychlorinated Biphenyls in Wisconsin. In: Ayers, F. A. (compiler). National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, Illinois, EPA-560/6-75-004, NTIS Rep. No. PB-253-248-9, pp. 124-126.
1140. Kleinert, S. J.; Degurse, P. E. 1971. Mercury Levels in Fish from Selected Wisconsin Waters (A Preliminary Report). Wisconsin Dept. Nat. Resour., Res. Rep. No. 73. 16 pp.
1141. Kleinert, S. J.; Degurse, P. E. 1972. Mercury Levels in Wisconsin Fish and Wildlife. Wisconsin Dept. Nat. Resour., Tech. Bull. No. 52. Madison, Wisconsin. 22 pp.
1142. Kleinert, S. J.; Degurse, P. E.; Wirth, T. L. 1968. Occurrence and Significance of DDT and Dieldrin Residues in Wisconsin Fish. Wisconsin Dept. Nat. Resour., Tech. Bull. No. 41. 43 pp.

1143. Kleinert, S. J.; Degurse, P. E.; Wirth, T. L.; Hall, L. C. 1967. DDT and Dieldrin Residues Found in Wisconsin Fishes from the Survey of 1966. Preliminary Report. Wisconsin Conserv. Dept., Research and Planning Div., Res. Rep. No. 23. 29 pp. + illustrations.
1144. Knight, A. W.; Lauff, G. H. 1967. Biotic Response to Pollution Reduction in a River. W.K. Kellogg Biological Station Rep. OWRR Project A-010-Mich. 56 pp.
1145. Knight, H. T.; Olson, L. J. 1974. Mercury Distribution in American Smelt from Lake Michigan. *Am. Midl. Nat.* 91(2): 451-452.
1146. Knowles, D. B.; Dreher, F. C.; Whetstone, G. W. 1964. Water Resources of the Green Bay Area, Wisconsin. U.S. Geol. Surv. Water Supply Paper No. 1499-C. 67 pp.
1147. Koch, R. A. 1972. Interspecies Relationships of Fish in the Indiana Waters of Lake Michigan. Indiana Dept. Nat. Resour., Div. Fish Wildl. Final Rep. Project 4-43-R. 43 pp.
1148. Koch, R. A. 1974. A Creel Census of the Indiana Waters of Lake Michigan, 1973. Indiana Dept. Nat. Resour., Div. Fish Wildl. 14 pp.
1149. Kohler, M. 1973. Sediment Dispersal in Lake Michigan Between Two Rivers and Two Creeks, Wisconsin. Ph.D. thesis. University of Wisconsin-Madison. 531 pp.
1150. Kohler, M.; Moore, J. R. 1973. Sedimentation and Scour Off Nuclear Power Plants. NOAA Rep. No. NOAA-73032107; and University of Wisconsin Sea Grant Program Reprint No. WIS-SG-73-331. Madison, Wisconsin. 21 pp.
1151. Kohler, M.; Moore, J. R. 1974. Scour and Deposition -- Changes in Sedimentation Around a Nuclear Power Plant. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-74-223. Madison, Wisconsin. 264 pp.
1152. Kohler, M.; Moore, J. R. 1976. Sediment Dispersal in Western Lake Michigan Near Two Creeks, Wisconsin, and the Influence of an Industrial Cooling Water Discharge. In: Proceedings 3rd Federal Inter-Agency Sediment Conf., pp. 6.39-6.50.
1153. Konasewich, D. E. (ed.). 1976. 1976 Directory of Great Lakes Research and Related Activities. International Joint Commission, Great Lakes Research Advisory Board. Windsor, Ontario. 506 pp.
1154. Kopczynska, E. E. 1973. Spatial and Temporal Variations in Phytoplankton and Associated Environmental Factors in the Grand River Outlet and Adjacent Waters of Lake Michigan. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 50. Ann Arbor, Michigan; and Ph.D. thesis. University of Michigan. 497 pp.
1155. Kopec, R. J. 1965. Areal Extent of the Great Lakes' Significant Influence on Vicinal Temperature Regimes. Ph.D. thesis. Clark University.

1156. Kopec, R. J. 1967. Effects of the Great Lakes Thermal Influence on Freeze-Free Dates in Spring and Fall as Determined by Hopkins' Bioclimatic Law. *Agr. Meteorol.* 4(4): 241-253.
1157. Kopec, R. J. 1967. Areal Patterns of Seasonal Temperature Anomalies in the Vicinity of the Great Lakes. *Bull. Amer. Meteorol. Soc.* 48: 884-889.
1158. Kothandaraman, V.; Evans, R. L. 1972. Use of Air-Water Relationships for Predicting Water Temperature. III. State Water Surv. Rep. Invest. No. 69. Champaign, Illinois. 14 pp.
1159. Kramer, J. R. 1964. Theoretical Model for the Chemical Composition of Fresh Water with Application to the Great Lakes. In: *Proceedings 7th Conference Great Lakes Research*, pp. 147-160. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
1160. Kramer, J. R. 1967. Equilibrium Models and Composition of the Great Lakes. In: Stumm, W. (ed.). *Equilibrium Concepts in Natural Water Systems*, pp. 243-254. Am. Chem. Soc., Adv. in Chem. Ser. 67.
1161. Kramer, J. R. 1968. Mineral Water Chemistry, Great Lakes. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 38. Ann Arbor, Michigan. 59 pp.
1162. Kreisman, J.; McDonald, J.; Rosenbaum, G.; Snyder, J. 1976. Coastal Wetlands with Emphasis on Freshwater Systems. University of Michigan, School of Nat. Resour. Rep. Ann Arbor, Michigan. 185 pp.
1163. Kresge, R. F.; Blust, F.; Ropes, G. E. 1964. A Comparison of Shore and Lake Precipitation Observations for Northern Lake Michigan. In: *Internat. Assoc. Sci. Hydrol. Pub. No. 65*, pp. 311-323.
1164. Krezoski, J. R. 1969. Benton Harbor Power Plant Limnological Studies, Part III. Some Effects of Power Plant Waste Heat on the Ecology of Lake Michigan. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 78 pp.
1165. Krizek, R. J.; Karadi, G. M. 1973. Disposal of Polluted Dredgings from the Great Lakes Area. In: Chow, V. T., Csallany, S. C., Krizek, R. J., and Preul, H. C. (eds.). *Water for the Human Environment, Proceedings of the First World Congress on Water Resources, Vol. 4, Special Sessions: Systems Analysis*, pp. 482-491. Int. Water Resour. Assoc., Champaign, Illinois.
1166. Ku, L. F. 1970. Spectra of Monthly Mean Water Level in the Great Lakes. In: *Proceedings 13th Conference Great Lakes Research, Part 2*, pp. 844-861. Internat. Assoc. Great Lakes Res.
1167. Kupfer, G. A.; Gordon, W. G. 1966. An Evaluation of the Air Bubble Curtain as a Barrier to Alewives (*Alosa pseudoharengus*). *Commercial Fish. Rev.* 28(9): 1-96.

1168. Kupke, J. E. 1973. Zinc Concentrations as Related to Organic Matter Stability in Lake Michigan Sediments. Master's thesis. University of Illinois at Urbana-Champaign.
1169. Kyser, J. M.; Paddock, R. A.; Policastro, A. J. 1974. Analysis of Three Years of Complete-Field Temperature Data From Different Sites of Heated Surface Discharges Into Lake Michigan. Argonne National Laboratory Rep. No. ANL/WR-75-2. Argonne, Illinois. 52 pp.
1170. LaJeune, L. J. 1976. Fish Population and Life History. In: Operational Environmental Monitoring Program of Lake Michigan near the Kewaunee Nuclear Power Plant: Chemical and Biological Studies, January-December 1975, Fifth Annual Report to Wisconsin Public Service Corp., pp. 1-71. NALCO Environmental Sciences.
1171. Laarman, J. P. 1965. Internationally Coordinated Physical Data of the Great Lakes. U.S. Army Corps of Engineers, Lake Survey District. Detroit, Michigan.
1172. Laarman, P. W. 1971. Separation of Genetic Strains of Great Lakes Fishes. Michigan Dept. Nat. Resour. Annual Progress Report, Dingell-Johnson Proj. No. F-32-R-1, Job. No. 1 and 2, July 1, 1969-June 30, 1970.
1173. Ladewski, T. B.; Stoermer, E. F. 1973. Water Transparency in Southern Lake Michigan in 1971 and 1972. In: Proceedings 16th Conference Great Lakes Research, pp. 791-807. Internat. Assoc. Great Lakes Res.
1174. Laidly, W. T. 1962. Regimen of the Great Lakes and Fluctuations of Lake Levels. In: Pincus, H. J. (ed.). Great Lakes Basin, pp. 91-106. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
1175. Lake Michigan and Adjoining Lands Study Commission, State of Illinois. 1971. First Report of the Lake Michigan and Adjoining Land Study Commission of the State of Illinois. Supporting Studies. Lake Michigan and Adjoining Land Study Commission Report to the Governor and the 77th General Assembly, Vol. II. Supporting Studies. 181 pp.
1176. Lake Michigan Cooling Water Intake Tech. Committee. 1973. Lake Michigan Intakes: Report on the Best Technology Available. U.S. Environmental Protection Agency, Region V. Chicago, Illinois.
1177. Lake Michigan Enforcement Conference, Pestic. Tech. Committee. 1968. Report on Pesticides in Lake Michigan. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin., Great Lakes Region. Chicago, Illinois. 44 pp.
1178. Lake Michigan Enforcement Conference, Pestic. Tech. Committee. 1972. Report on Selected Trace Metals in the Lake Michigan Basin. Lake Michigan Enforcement Conference, Pestic. Tech. Committee. NTIS Rep. No. PB-220 361/0. 87 pp.

1179. Lake Michigan Enforcement Conference, Pestic. Tech. Committee. 1972. An Evaluation of DDT and Dieldrin in Lake Michigan. U.S. Environmental Protection Agency, Office of Res. and Monit., Rep. No. EPA R3-72-003. Washington, D.C. 139 pp.
1180. Lake Michigan Federation. 1974. Papers from a Technical Conference on Lake Michigan Shoreland Planning. Lake Michigan Federation. Chicago, Illinois. 198 pp.
1181. Lane, P. A.; McNaught, D. C. 1970. A Mathematical Analysis of the Niches of Lake Michigan Zooplankton. In: Proceedings 13th Conference Great Lakes Research, Part 1, pp. 47-57. Internat. Assoc. Great Lakes Res.
1182. Lantz, C. H.; Lissauskas, R. A. 1971. Zion Discharge Model Study: Zion Station, Commonwealth Edison Company of Illinois. Worcester Polytechnic Institute, Aiden Research Laboratories. Holden, Mass.
1183. Lanz, R. W. 1975. A Computer Analysis of the Water Quality in the Lower Fox River and Lower Green Bay, Wisconsin. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-75-228. Madison, Wisconsin.
1184. Larowe, B. T., et. al. 1971. Fine Resolution Radar Investigation of Great Lakes Ice Cover. U.S. Army Corps of Engineers, U.S. Lake Survey District, Great Lakes Research Center Final Report. Prepared by Environmental Research Institute of Michigan.
1185. Larsen, C. E. 1973. Variation in Bluff Recession in Relation to Lake Level Fluctuations Along the High Bluff Illinois Shore. Illinois Institute Environ. Qual. Doc. No. 73-14. 73 pp.
1186. Larsen, C. E. 1973. The Culture Variable in Shore Erosion Along the Illinois Shore of Lake Michigan. Lake Michigan Federation. Chicago, Illinois. 20 pp.
1187. Larsen, C. E. 1974 Late Holocene Lake Levels in Southern Lake Michigan. In: Collinson, C., Lineback, J. A., DuMontelle, P. B., Brown, D. C., Davis, R. A., Jr., and Larsen, C. E. Coastal Geology, Sedimentology, and Management: Chicago and the Northshore, pp. 46-55. Ill. State Geol. Surv. Guideb. 12. Champaign, Illinois.
1188. See 1187.
1189. Larsen, C. E. 1974. Prehistoric Levels of Lake Michigan-Huron: Their Potential in Shoreland Planning. In: Papers from a Technical Conference on Lake Michigan Shoreland Planning, pp. 169-195. Lake Michigan Federation. Chicago, Illinois.
1190. Larsen, C. E. 1975. Late Holocene Lake Levels: Evidence for Future Levels in Southern Lake Michigan. In: First Year Work Product, Vol. II: Coastal Geological Studies. Ill. Coastal Zone Manag. Prog. 12 pp.

1191. Larsen, J. I. 1973. Geology for Planning in Lake County, Illinois. Ill. State Geol. Surv. Circ. 481. Champaign, Illinois. 43 pp.
1192. Lasca, N. P.; Pirie, R. G.; Tychsen, P. C.; Fowler, G. A. 1976. Great Lakes Shoreline Damage Survey: Brown, Douglas, and Racine Counties, Wisconsin, Appendix II. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, DAWC 23-75-C-0028. Milwaukee, Wisconsin. 259 pp.
1193. Latta, W. C. 1963. The Life History of the Smallmouth Bass, *Micropterus d. dolomieu*, at Waugoshance Point, Lake Michigan. Michigan Dept. Conserv., Bull. Fish. Res. No. 5. Lansing, Michigan. 56 pp.
1194. Lauer, T. E. 1975. Phytoplankton Associations in Indiana Nearshore Areas of the Southern Basin of Lake Michigan in 1973-1974. Master's thesis. Ball State University. 151 pp.
1195. Lauff, G. H.; Henson, E. B.; Ayers, J. C.; Chandler, D. C.; Powers, C. F. 1961. The Bottom Sediments of the Straits of Mackinac Region. University of Michigan, Great Lakes Res. Div., Pub. No. 6. Ann Arbor, Michigan. 69 pp.
1196. Laurent, J. K. 1973. The Development of Harbors, Waterborne Shipping and Commerce at Six Wisconsin Ports on Lake Michigan Through 1910. Ph.D. thesis. Indiana University.
1197. Lawhead, H. F. 1961. Discussion of Paper by Ivan W. Brunk, "Changes in the Levels of Lakes Michigan and Huron." J. Geophys. Res. 66(12): 4324-4329.
1198. Lawhead, H. F. 1965. Regulation of Water Levels in Great Lakes. J. Am. Water Works Assoc. 57(6): 715-721.
1199. Lawrie, A. H. 1972. The Sea Lamprey of the Great Lakes. Trans. Am. Fish. Soc. 99(4): 766-775.
1200. Lawton, G. W.; Busse, W. 1966. Drinking Water -- A Source of Sodium: Results of a Survey of Wisconsin Communities. Wis. Med. J. 65: 259-264.
1201. Lazaro, M. A. 1975. A Case Study of Particulate and Sulfur Dioxide Emissions and Their Sources in Northwest Indiana. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 82-101. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
1202. League of Women Voters of Michigan, Detroit. 1968. Lake Michigan Basin Study: Michigan Section. League of Women Voters of Michigan. Detroit, Michigan. 36 pp.
1203. League of Women Voters, Chicago. 1968. Lake Michigan Basin Study: Illinois Section. League of Women Voters. Chicago, Illinois. 31 pp.
1204. League of Women Voters, Indiana. 1968. Lake Michigan Basin Study: Indiana Section-1. League of Women Voters, Indiana. 9 pp.

1205. League of Women Voters, Lake Michigan Inter-League Group. 1974. Shoreline Erosion. League of Women Voters, Lake Michigan Inter-League Group. Glenview, Illinois. 12 pp.
1206. League of Women Voters, Wisconsin. 1968. Lake Michigan Basin Study: Wisconsin Section. League of Women Voters, Wisconsin. 10 pp.
1207. Leary, R. D.; Lundy, D. T. 1973. Lake Michigan Gets Help. Water Waste Engin. 10(9): 64-67.
1208. Lee, C. A. 1975. The Generation of Unstable Waves and the Generation of Transverse Upwelling: Two Problems in Geophysical Fluid Dynamics. Ph.D. thesis. University of British Columbia.
1209. Lee, C. E. 1961. Groins on the Shores of the Great Lakes. J. Waterways Harbors Div., Am. Soc. Civil Engin. 87(WW2): 89-112.
1210. Lee, G. F. 1974. Phosphorus, Water Quality, and Eutrophication of Lake Michigan. In: Conference in the Matter of Pollution of Lake Michigan and Its Tributary Basin in Wisconsin, Illinois, Indiana, and Michigan, Fourth Session, Vol. I, Sept. 19-21, 1972, pp. 255-274. U.S. Dept. of the Interior Fed. Water Pollut. Control Admin. Washington, D.C.
1211. Lee, G. F.; Stratton, C. 1972. The Case for Thermal Pollution. Industrial Water Engin. 9(6): 12-16.
1212. Lee, G. F.; Veith, G. D. 1971. Effects of Thermal Discharges on the Chemical Parameters of Water Quality and Eutrophication. In: Proceedings Internat. Symposium on Identification and Measurement of Pollutants in the Environment, Ottawa, Ontario. 27 pp.
1213. Lee, K. K. 1972. Wind-Induced and Thermally Induced Currents in the Great Lakes. Water Resour. Res. 8(6): 1444-1455.
1214. Lee, K. K. 1975. Longshore Currents and Sediment Transport in West Shore Lake Michigan. Water Resour. Res. 11(6): 1029-1032.
1215. Lee, K. K. 1975. Bluff Recession in Lake Michigan Shoreline Erosion. J. Soil Water Conserv. 30: 138-139.
1216. Lee, T. R.; Beaulieu, A. 1971. A Water Use Map of the Great Lakes Basin. In: Proceedings 14th Conference Great Lakes Research, pp. 667-680. Internat. Assoc. Great Lakes Res.
1217. Leeling, N. C. 1972. Polychlorinated Biphenyls in Coho Salmon from Waters of Lake Michigan. Office Water Resour. Res. Rep. No. OWRR-A-044-MICH(1), and W73-00270. 9 pp.
1218. Leland, H. V. 1975. Distribution of Solute and Particulate Trace Elements in Southern Lake Michigan. In: First Internat. Conference of Heavy Metals in the Environment, Symposium Proceedings, pp. 709-730.

1219. Leland, H. V.; Bruce, W. N.; Shimp, N. F. 1973. Chlorinated Hydrocarbon Insecticides in Sediments of Southern Lake Michigan. *Environ. Sci. Technol.* 7(9): 833-838.
1220. Leland, H. V.; Shimp, N. F. 1971. Trace Elements in Southern Lake Michigan. In: *Chemistry and Biology of Trace Elements in the Environment*, pp. 196-219. University of Illinois School of Chemical Sciences and School of Life Sciences, Seminar Series. Spring, 1971. Urbana, Illinois.
1221. Leland, H. V.; Shimp, N. F. 1974. Distribution of Selected Trace Metals in Southern Lake Michigan and Lower Green Bay. University of Illinois, Water Resour. Center Res. Rep. No. 84. Urbana, Illinois. 28 pp.
1222. Leland, H. V.; Shukla, S. S.; Shimp, N. F. 1973. Factors Affecting Distribution of Lead and other Trace Elements in Sediments of Southern Lake Michigan. In: Singer, P. C. (ed.). *Trace Metals and Metal-Organic Interactions in Natural Waters*, pp. 89-129. Ann Arbor Science Publishers, Ann Arbor, Michigan.
1223. Lerman, A. 1972. Strontium-90 in the Great Lakes: Concentration-time Model. *J. Geophys. Res.* 77: 3256-3264.
1224. Lerman, A.; Taniguchi, H. 1972. Strontium-90 and Cesium-137 in Water and Deep Sediments of the Great Lakes. In: *Proc. Third Natl. Symp. on Radioecology*. U.S. Energy Comm. Report CONF-710501-P3, pp. 460-464.
1225. Leshkevich, G. A. 1976. Great Lakes Ice Cover, Winter 1974-75. NOAA Tech. Rep. ERL 370-GLERL 11. Great Lakes Environmental Research Lab. Ann Arbor, Michigan. 39 pp.
1226. Letterman, R. D. 1975. A Study of the Treatment of Lake Michigan Water Using Direct Filtration. University of Illinois, Water Resour. Center Res. Rep. 102. 102 pp.
- 1227a. Lewis, C. F. M.; Anderson, T. W. 1976. Basin Deposits; A Record of Longterm Coastal Evolution (Recession) in the Great Lakes? In: Rukavina, N. A. (ed.). *Proceedings of a Workshop on Great Lakes Coastal Erosion and Sedimentation*, Nov. 29-30, 1976, pp. 109-115. Canada Centre for Inland Waters. Burlington, Ontario.
- 1227b. Lewis, T. L.; Herdendorf, C. E. 1976. Sedimentology. In: *Great Lakes Basin Framework Study, Appendix 4. Limnology of Lakes and Embayments*, pp. 323-349. Great Lakes Basin Commission. Ann Arbor, Michigan.
1228. Li, A. H. H.; Warner, E. D. 1972. The Pituitary Gland of the Alewife in Lake Michigan: Cyclical Changes in Three Adenohypophyseal Cell Types. *Trans. Wis. Acad. Sci. Arts Lett.* 60: 211-224.
1229. Li, T. Y. 1970. Formation of Thermocline in Great Lakes. In: *Proceedings 13th Conference Great Lakes Research*, pp. 453-467. Internat. Assoc. Great Lakes Res.

1230. Lichtenberg, J. J.; Eichelberger, J. W.; Dressman, R. C.; Longbottom, J. E. 1969. Pesticides in Surface Waters of the United States: A Five-Year Summary. U.S. Environmental Protection Agency, Fed. Water Pollut. Control Admin., Anal. Quality Control Laboratory. 34 pp.
1231. Lichtenberg, J. J.; Eichelberger, J. W.; Dressman, R. C.; Longbottom, J. E. 1970. Pesticides in Surface Waters of the United States: A Five-Year Summary 1964-1968. Pest. Monit. J. 4: 71-86.
1232. Lick, W. J. 1976. Numerical Models of Lake Currents. U.S. Environmental Protection Agency, Environmental Research Lab., Rep. No. EPA 600/3-76-020. Duluth, Minnesota. 140 pp.
1233. Lick, W. J. 1976. Numerical Modeling of Lake Currents. Ann. Rev. Earth and Planetary Sci. 4: 49-74.
1234. Lin, C.-K. 1971. Availability of Phosphorus for Cladophora Growth in Lake Michigan. In: Proceedings 14th Conference Great Lakes Research, pp. 39-43. Internat. Assoc. Great Lakes Res.
1235. Lin, C.-K. 1973. Hydrolysis of Polyphosphates in Relation to Phosphorus Availability for Lake Michigan Algae. Ph.D. thesis. University of Wisconsin-Milwaukee. 139 pp.
1236. Lin, C.-K.; Blum, J. L. 1973. Adaptation to Eutrophic Conditions by Lake Michigan Algae. University of Wisconsin, Water Resour. Center Rep. No. WIS-WRC-73-03. Madison, Wisconsin. 23 pp.
1237. Lindsay, R. C.; Myrdal, G. R.; Daubert, J. P. 1976. Can We Remove PCBs from Fish? Wisconsin Dept. Nat. Resour. Pub. No. 12-3600(78). Madison, Wisconsin. 12 pp.
1238. Lineback, J. A. 1974. Erosion of Till Bluffs: Wilmette to Waukegan. In: Collinson, C., Lineback, J. A., DuMontelle, P. B., Brown, D. C., Davis, R. A., Jr., and Larsen, C. E. Coastal Geology, Sedimentology, and Management: Chicago and the Northshore, pp. 37-45. Ill. State Geol. Surv. Guideb. 12. Champaign, Illinois.
1239. Lineback, J. A. 1975. Illinois Geology from Space. Ill. State Geol. Surv. Environ. Geol. Notes 73. Champaign, Illinois. 36 pp.
1240. Lineback, J. A.; Ayer, N. J.; Gross, D. L. 1970. Stratigraphy of Unconsolidated Sediments in the Southern Part of Lake Michigan. Ill. State Geol. Surv. Environ. Geol. Notes No. 35. Champaign, Illinois. 35 pp.
1241. Lineback, J. A.; Collinson, C. 1975. Sediment Movement in Southern Lake Michigan Monitored by the Satellites LANDSAT and SKYLAB. Ill. State Geol. Surv. Prepared for the Illinois Coastal Zone Manag. Prog. Champaign, Illinois. 35 pp.
1242. Lineback, J. A.; Gross, D. L. 1972. Depositional Patterns, Facies, and Trace Element Accumulation in the Waukegan Member of the Late Pleistocene Lake Michigan Formation in Southern Lake Michigan. Ill. State Geol. Surv. Environ. Geol. Notes 58. 25 pp.

1243. Lineback, J. A.; Gross, D. L.; Meyer, R. P. 1972. Geological Cross Sections Derived from Seismic Profiles and Sediment Cores from Southern Lake Michigan. Ill. State Geol. Surv. Environ. Geol. Notes 54. Champaign, Illinois. 43 pp.
1244. Lineback, J. A.; Gross, D. L.; Meyer, R. P. 1974. Glacial Till Under Lake Michigan. Ill. State Geol. Surv. Environ. Geol. Notes 69. 48 pp.; and University of Wisconsin Sea Grant Program Reprint No. WIS-SG-74-344.
1245. Lineback, J. A.; Gross, D. L.; Meyer, R. P.; Unger, W. L. 1971. High-Resolution Seismic Profiles and Gravity Cores of Sediments in Southern Lake Michigan. Ill. State Geol. Surv. Environ. Geol. Notes 47. Champaign, Illinois. 41 pp.
1246. Link, L. E. 1972. Power Plant Siting on Lake Michigan. In: Dworsky, L. B., Allee, D. J.; and Csallany, S. C. (eds.). Proceedings of a Symposium on Social and Economic Aspects of Water Resources Development, pp. 88-90. Amer. Water Resour. Assoc., Urbana, Illinois.
1247. Linton, Mields, and Coston, Inc. 1972. Evaluation of Institutional, Financial and Manpower Factors, Chicago-South End Lake Michigan (C-SELM). U.S. Army Corps of Engineers, Chicago District. Chicago, Illinois. 53 pp.
1248. Liston, C. R.; Tack, P. I. 1974. A Study of the Effects of Installing and Operating a Large Pumped Storage Project on the Shores of Lake Michigan Near Ludington, Michigan. Ludington Project, 1973 Annual Report, Vol. 1, Fish. Res. Consumer Power Co. Jackson, Michigan.
1249. Liston, C. R.; Tack, P. I. 1975. A Study of the Effects of Installing and Operating a Large Pumped Storage Project on the Shores of Lake Michigan Near Ludington, Michigan. Ludington Project, 1974 Annual Report, Vol. 1, Fish. Res. Consumer Power Co. Jackson, Michigan.
1250. Little, F. J., Jr.; Bieber, G. F.; Horst, T. J.; Brown, D. F. 1973. Possible Accelerated Eutrophication Thresholds in the Great Lakes Relative to Human Population Density. In: Proceedings 16th Conference Great Lakes Research, pp. 926-933. Internat. Assoc. Great Lakes Res.
1251. Liu, P. C. 1968. Spectral Analysis of Shallow Water Waves in Lake Michigan. In: Proceedings 11th Conference Great Lakes Research, pp. 412-423. Internat. Assoc. Great Lakes Res.
1252. Liu, P. C. 1970. Some Features of Wind Waves in Lake Michigan. Limnol. Oceanogr. 15(2): 257-272.
1253. Liu, P. C. 1970. Correlating Subsurface Pressure Fluctuation with Surface Waves. U.S. Army Corps of Engineers, Lake Survey District Res. Rep. No. 1-5. Detroit, Michigan. 26 pp.
1254. Liu, P. C. 1970. Statistics of Great Lakes Levels. In: Proceedings 13th Conference Great Lakes Research, Part 1, pp. 360-368. Internat. Assoc. Great Lakes Res.

1255. Liu, P. C. 1971. Normalized and Equilibrium Spectra of Wind Waves in Lake Michigan. *J. Phys. Oceanogr.* 1: 249-257.
1256. Liu, P. C.; Housley, J. G. 1969. Visual Wave Observations Along the Lake Michigan Shore. In: *Proceedings 12th Conference Great Lakes Research*, pp. 608-621. Internat. Assoc. Great Lakes Res.; and U.S. Army Corps of Engineers, U.S. Lake Survey Misc. Paper No. 70-2.
1257. Liu, P. C.; Miller, G. S.; Saylor, J. H. 1976. Water Motion. In: *Great Lakes Basin Framework Study, Appendix 4. Limnology of Lakes and Embayments*, pp. 119-149. Great Lakes Basin Commission. Ann Arbor, Michigan.
1258. Lloyd, C. N. 1966. The Fishery in Green Bay. In: *Proceedings Governor's Conference on Lake Michigan Pollution*, Madison, Wisconsin.
1259. Loftus, K. H.; Regier, H. A. 1972. Introduction to the Proceedings of the 1971 Symposium on Salmonid Communities in Oligotrophic Lakes. *J. Fish. Res. Board Can.* 29(6): 613-616.
1260. Long, C. A. 1974. Environmental Status of the Lake Michigan Region, Vol. 15. Mammals of the Lake Michigan Drainage Basin. Argonne National Laboratory Rep. No. ANL/ES-40, Vol. 15. Argonne, Illinois.
1261. Long, C. A.; Long, C. A. 1976. Some Amphibians and Reptiles Collected on Islands in Green Bay, Lake Michigan. *Jack-Pine Warbler* 54(2): 54-58.
1262. Long, D. T. 1973. Hydrogeochemical Study of Carbonate Groundwaters of an Urban Area in Northeastern Illinois. Master's thesis. University of Illinois-Chicago.
1263. Longridge, J. L.; Hilsenhoff, W. L. 1973. Annotated List of Trichoptera (Caddisflies) in Wisconsin. *Trans. Wis. Acad. Sci. Arts Lett.* 61: 173-183.
1264. Loomer, S. A.; Wolf, P. R. 1974. Terrestrial Photogrammetric Measurements of Surface Water Velocities. University of Wisconsin Sea Grant Program Reprint No. WIS-SG-74-352. Madison, Wisconsin; and NOAA Rep. No. NOAA-75020301. 17 pp.
1265. Lopiccolo, R. D. 1972. Sediment Topography Relationships in the Inner Nearshore Zone, Southeastern Lake Michigan. Master's thesis. Western Michigan University.
1266. Lopinot, A. C. 1970. 1969 Creel Survey of the Illinois Portion of Lake Michigan. Illinois Dept. Conserv. Spec. Rep. No. 32. Springfield, Illinois. 46 pp.
1267. Lopinot, A. C. 1974. Illinois Fishery of Lake Michigan. Illinois Dept. Conserv., Div. Fish. Springfield, Illinois. 47 pp.
1268. Lubner, J. F. 1974. Dynamics and Net Secondary Production of a Population of *Pontoporeia affinis* at a Deep-Water Lake Michigan Station. Master's thesis. University of Wisconsin-Milwaukee. 41 pp.

1269. Lucas, H. F., Jr.; Edgington, D. N.; Colby, P. J. 1970. Concentrations of Trace Elements in Great Lakes Fishes. J. Fish. Res. Board Can. 27: 677-684.
1270. Ludwig, J. P. 1962. A Survey of the Gull and Tern Populations of Lake Huron, Michigan and Superior. Jack-Pine Warbler 40: 104-119.
1271. Ludwig, J. P. 1965. Biology and Structure of the Caspian Tern (*Hydroprogne daspia*) Population of the Great Lakes from 1896-1964. Bird-Banding 36(4): 217-233.
1272. Ludwig, J. P. 1966. Herring and Ring-Billed Gull Populations of the Great Lakes 1960-1965. In: Proceedings 9th Conference Great Lakes Research, pp. 80-89. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.
1273. Ludwig, J. P. 1967. Band Loss--Its Effect on Banding Data and Apparent Survivorship in the Ring-Billed Gull Populations of the Great Lakes. Bird-Banding 38(4): 309-323.
1274. Ludwig, J. P. 1968. Dynamics of Ring-Billed Gull and Caspian Tern Populations of the Great Lakes. Ph.D. thesis. University of Michigan. 73 pp.
1275. Ludwig, J. P. 1974. Recent Changes in the Ring-Billed Gull Populations and Biology in the Laurentian Great Lakes. Auk 91: 575-594.
1276. Ludwig, J. P.; Ludwig, C. E. 1969. The Effect of Starvation on Insecticide Contaminated Herring Gulls Removed from a Lake Michigan Colony. In: Proceedings 12th Conference Great Lakes Research, pp. 53-60. Internat. Assoc. Great Lakes Res.
1277. Ludwig, J. P.; Tomoff, C. S. 1966. Reproductive Success and Insecticide Residues in Lake Michigan Herring Gulls. Jack-Pine Warbler 44(2): 77-85.
1278. Lyons, W. A. 1966. Some Effects of Lake Michigan Upon Squall Lines and Summertime Convection. In: Proceedings 9th Conference Great Lakes Research, pp. 259-273. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan; and SMRP Research Paper 57, University of Chicago. 22 pp.
1279. Lyons, W. A. 1970. Mesoscale Regimens Over the Southern Basin of Lake Michigan and Their Effect Upon Summertime Convective Clouds. Ph.D. thesis. University of Chicago.
1280. Lyons, W. A. 1970. Numerical Simulation of Great Lakes Summertime Conduction Inversions. In: Proceedings 13th Conference Great Lakes Research, Part 1, pp. 369-387. Internat. Assoc. Great Lakes Res.
1281. Lyons, W. A. 1971. Low Level Divergence and Subsidence Over the Great Lakes in Summer. In: Proceedings 14th Conference Great Lakes Research, pp. 467-487. Internat. Assoc. Great Lakes Res.

1282. Lyons, W. A. 1972. The Climatology and Prediction of the Chicago Lake Breeze. *J. Appl. Meteorol.* 11(8): 1259-1270.
1283. Lyons, W. A. 1972. Mesoscale Transport of Pollution in the Chicago Area as Affected by Land and Lake Breezes. In: Englund, H. M., and Berry, W. T. (eds.). *Second Proc. of the International Clean Air Congress, Held in Washington, D.C., Dec. 6-11, 1970, Sponsored by Intl. Union of Air Pollution Prevention Assoc., pp. 973-978. Academic Press, Inc., New York.*
1284. Lyons, W. A. 1974. Inadvertent Weather Modification by Chicago-Northern Indiana Pollution Sources Observed by ERTS-1. *Mon. Weather Rev.* 102: 503-508.
1285. Lyons, W. A. 1975. Turbulent Diffusion and Pollutant Transport in Shoreline Environments. In: Haugen, D. A. (ed.). *Lectures on Air Pollution and Environmental Impact Analysis, pp. 136-208. Boston, Massachusetts.*
1286. Lyons, W. A.; Cole, H. S. 1971. Fumigation and Plume Trapping: Aspects of Mesoscale Dispersion on the Shores of Lake Michigan in Summer during Periods of Stable Onshore Flow. In: *Conference on Air Pollution Meteorology, Held in Raleigh, N.C., April 5-9, 1971, Preprints, pp. 42-47. Amer. Meteorol. Soc., Boston, Massachusetts.*
1287. Lyons, W. A.; Cole, H. S. 1973. Fumigation and Plume Trapping on the Shores of Lake Michigan During Stable Onshore Flow. *J. Appl. Meteorol.* 12(3): 494-510.
1288. Lyons, W. A.; Cole, H. S. 1976. Photochemical Oxidant Transport: Mesoscale Lake Breeze and Synoptic-Scale Aspects. *J. Appl. Meteorol.* 15: 733-743.
1289. Lyons, W. A.; Dooley, J. C., Jr.; Keen, C. S.; Schuh, J. A.; Rizzo, K. R. 1974. Detailed Field Measurements and Numerical Models of SO₂ From Power Plants in the Lake Michigan Shoreline Environment. University of Wisconsin-Milwaukee, Air Pollut. Analysis Laboratory. Final Report to Environ. Res. and Technol., Inc. Milwaukee, Wisconsin. 218 pp.
1290. Lyons, W. A.; Keen, C. S. 1975. Particulate Transport in a Great Lakes Coastal Environment. In: Marshall, J. S. (ed.). *Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 222-237. Federal Council on Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.*
1291. Lyons, W. A.; Keen, C. S. 1976. Computed 24-hour Trajectories for Aerosols and Gases in a Lake/Land Breeze Circulation Cell on the Western Shore of Lake Michigan. In: *Sixth Conf. Weather Forecasting and Analysis, Preprints, pp. 78-83. Amer. Meteorol. Soc., Boston, Massachusetts.*
1292. Lyons, W. A.; Northouse, R. A. 1973. The Use of ERTS-1 Imagery in Air Pollution and Mesometeorological Studies Around the Great Lakes. In: *ERTS-1 Symposium, pp. 1491-1504. Washington, D.C.*

1293. Lyons, W. A.; Olsson, L. E. 1972. Mesoscale Air Pollution Transport in the Chicago Lake Breeze. *J. Air Pollut. Control Assoc.* 22(11): 876-881.
1294. Lyons, W. A.; Olsson, L. E. 1973. Detailed Mesometeorological Studies of Air Pollution Dispersion in the Chicago Lake Breeze. *Mon. Weather Rev.* 101(5): 387-403.
1295. Lyons, W. A.; Pease, S. R. 1972. A Year-Round All-Sky Time-Lapse Camera System Designed for Mesoscale Cloud Mapping. In: *Proceedings 15th Conference Great Lakes Research*, pp. 507-520. *Internat. Assoc. Great Lakes Res.*
1296. Lyons, W. A.; Pease, S. R. 1972. "Steam Devils" Over Lake Michigan During a January Arctic Outbreak. *Mon. Weather Rev.* 100(3): 235-237.
1297. Lyons, W. A.; Pease, S. R. 1973. Detection of Particulate Air Pollution Plumes from Major Point Sources Using ERTS-1 Imagery. *Bull. Am. Meteorol. Soc.* 54(11): 1163-1170.
1298. Lyons, W. A.; Pease, S. R. 1973. ERTS-1 Views the Great Lakes. University of Wisconsin-Milwaukee, Air Pollut. Analysis Laboratory, Rep. No. 15. Milwaukee, Wisconsin. 8 pp.
1299. Lyons, W. A.; Rubin, E. M. 1976. Aircraft Measurements of the Chicago Urban Plume at 100 km Downwind. In: *Third Symp. Atmospheric Turbulence, Diffusion and Air Quality*, Preprints, pp. 358-365. *Amer. Meteorol. Soc., Boston, Mass.*
1300. Lyons, W. A.; Schuh, J. A.; Shaheen H. Y. 1974. Numerical Modeling of Mesoscale Suspended Particulate and Sulfur Oxide Patterns in an Urban Great Lakes Shoreline Environment. University of Wisconsin-Milwaukee, Air Pollut. Analysis Laboratory, Rep. No. 7. Milwaukee, Wisconsin. 4 pp.
1301. Lyons, W. A.; Wilson, J. W. 1968. The Control of Summertime Cumuli and Thunderstorms by Lake Michigan During Non-lake Breeze Conditions. University of Chicago, Satellite Meteorol. Res. Proj. Pap. No. 74. Chicago, Illinois. 32 pp.
1302. MacCrimmon, H. R.; Gots, B. L. 1972. Rainbow Trout in the Great Lakes. Ontario Ministry of Nat. Resour., Sport Fish. Branch.
1303. MacKay, W. R. 1968. Commercial Navigation on the Great Lakes. In: *Proceedings Great Lakes Water Resources Conf., June 24-26, 1968, Toronto, Ontario*, pp. 89-114. *Engin. Institute of Canada and Am. Soc. Civil Engin.*
1304. MacLaren, J. W.; Clevenger, R. F. 1968. New Requirement in Water Resources Planning on the Great Lakes. In: *Proceedings Great Lakes Water Resources Conf., June 24-26, 1968, Toronto, Ontario*, pp. 361-392. *Engin. Institute of Canada and Am. Soc. Civil Eng.*

1305. MacLean, W. F. 1961. Postglacial Uplift in the Great Lakes Region. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 14. Ann Arbor, Michigan. 234 pp.
1306. MacLean, W. F. 1962. Postglacial Uplift in the Great Lakes Region. Ph.D. thesis. University of Michigan.
1307. MacNish, C. F.; Lawhead, H. F. 1968. History of the Development of the Use of the Great Lakes and Present Problems. In: Proceedings Great Lakes Water Resources Conf., June 24-26, 1968, Toronto, Ontario, pp. 1-48. Engin. Institute of Canada and Am. Soc. Civil Eng.
1308. Macek, K. J.; Korn, S. 1970. Significance of the Food Chain in DDT Accumulation by Fish. J. Fish. Res. Board Can. 27(8): 1496-1498.
1309. Machniak, K. 1975. The Effects of Hydroelectric Development on the Biology of Northern Fishes (Reproductive and Population Dynamics) I. Lake Whitefish *Coregonus clupeaformis* (Mitchill). A Literature Review and Bibliography. Canada Dept. Environ. Fish. Mar. Serv. Res. Dev. Tech. Rep. 527. 67 pp.
1310. Machniak, K. 1975. The Effects of Hydroelectric Development on the Biology of Northern Fishes (Reproduction and Population Dynamics). IV. Lake Trout *Salvelinus namaycush* (Walbaum). A Literature Review and Bibliography. Canada Dept. Environ. Fish. Mar. Serv. Res. Dev. Tech. Rep. 530. 52 pp.
1311. Machta, L.; Telegadas, K.; Harris, D. L. 1970. Strontium-90 Fallout Over Lake Michigan. J. Geophys. Res. 75: 1092-1096.
1312. Mack, W. N.; D'Itri, F. M. 1973. Pollution of a Marina Area by Water Craft Use. J. Water Pollut. Control Fed. 45(1): 97-104.
1313. Mack, W. N.; Dekker, C. L. 1972. The Occurrence and Possible Source of the Coliform Bacteria on the Shoreline of Northern Lake Michigan. Office Water Resour. Res. Rep. No. OWRR-B-020-MICH(1). 28 pp.
1314. Madding, R. P.; Tokar, J. V.; Marmer, G. J. 1975. A Comparison of Aerial Infra-Red and In-Situ Thermal Plume Measurement Techniques. In: Proceedings Conf. on Environmental Effects of Cooling Systems at Nuclear Power Plants, Oslo, Norway, pp. 163-186. Internat. Atomic Energy Agency. Vienna, Austria.
1315. Mague, T. H. 1971. Field Assessment of N₂-Fixation by Legumes and Blue-Green Algae with the Acetylene Reduction Technique. Ph.D. thesis. University of Wisconsin-Madison. 177 pp.
1316. Mague, T. H.; Burris, R. H. 1973. Biological Nitrogen Fixation in the Great Lakes. BioScience 23: 236-239.
1317. Maletskos, C. 1972. Intercalibration and Intercomparison Study of Radionuclide Concentrations in Lake Michigan Samples. U.S. Atomic Energy Commission. NTIS Rep. No. COO-3371-1.

1318. Malone, F. D. 1968. An Analysis of Current Measurements in Lake Michigan. *J. Geophys. Res.* 73(22): 7065-7081.
1319. Malone, F. D. 1972. A Numerical Model of the Wind-Driven Summer Circulation in Lake Michigan. Ph.D. thesis. New York University. 91 pp.
1320. Manion, P. J. 1967. Diatoms as Food of Larval Sea Lampreys in a Small Tributary of Northern Lake Michigan. *Trans. Am. Fish. Soc.* 96(2): 224-226.
1321. Manion, P. J. 1972. Variations in Melanophores among Lampreys in the Upper Great Lakes. *Trans. Am. Fish. Soc.* 101(4): 662-666.
1322. Manion, P. J.; Purvis, H. A. 1971. Giant American Brook Lamprey, *Lampetra lamottei*, in the Upper Great Lakes. *J. Fish. Res. Board Can.* 28(4): 616-620.
1323. Manion, P. J.; Stauffer, T. M. 1970. Metamorphosis of the Landlocked Sea Lamprey, *Petromyzon marinus*. *J. Fish. Res. Board Can.* 27(10): 1735-1746.
1324. Mann, F.; Ellis, H.; Krausz, N. G. P. 1964. Interstate and International Matters. In: Mann, F. L., Ellis, H., and Krausz, N. G. P. *Water-Use Law in Illinois*, pp. 257-283. University of Illinois Agricultural Experiment Station Bull. No. 703. Urbana, Illinois.
1325. Manny, B. A.; Hall, C. A. S. 1969. Diurnal Changes in Stratification and Dissolved Oxygen in the Surface Waters of Lake Michigan. In: *Proceedings 12th Conference Great Lakes Research*, pp. 622-634. Internat. Assoc. Great Lakes Res.
1326. Maresca, J. W., Jr. 1975. Bluffline Recession, Beach Change, and Nearshore Change Related to Storm Passages Along Southeastern Lake Michigan, with Vol. II: Appendices. Ph.D. thesis. University of Michigan. 504 pp.
1327. Marie, J. R. 1976. Model Analysis of Effects on Water Levels at Indiana Dunes National Lakeshore by Construction Dewatering. U.S. Geol. Surv. Water Resour. Invest. WRI 76-82. Indianapolis, Indiana. 32 pp.
1328. Marks, W. D.; Clinton, F. A. 1974. Michigan Demonstration Erosion Control Program. *Shore and Beach* 42(2): 11-18.
1329. Marmer, G. J.; Tokar, J. V.; Madding, R. P. 1975. Comparison of Thermal Scanning and In-Situ Techniques for Monitoring Thermal Discharges. *Water Resour. Bull.* 11(6): 1157-1180.
1330. Marsh, J. 1974. Concentration and Distribution of Lead and Arsenic in the Grand Traverse Bay, Michigan Drainage Basin. Master's thesis. Illinois Institute of Technology.
1331. Marshall, E. W. 1966. Air Photo Interpretation of Great Lakes Ice Features. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 25. Ann Arbor, Michigan. 92 pp.

1332. Marshall, E. W. 1968. Investigating the Great Lakes Ice Cover. *Limnos* 1(4): 1-11.
1333. Marshall, J. S. 1976. Long-Term Effects of Cadmium in Lake Michigan Water on Average Numbers and Biomass in Laboratory Daphnia Populations. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976. ANL-76-88, Part III. pp. 31-36. Argonne, Illinois.
1334. Marshall, J. S. (ed.). 1975. Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975. Great Lakes Basin Commission. Ann Arbor, Michigan. 525 pp.
1335. Marshall, J. S.; Beeton, A. M.; Chandler, D. C. 1964. Role of Zooplankton in the Freshwater Strontium Cycle and Influence of Dissolved Salts. *Int. Ver. Theor. Angew. Limnol. Verh.* 15: 665-672.
1336. Marshall, J. S.; Edgington, D. N.; Spigarelli, S. A.; Wahlgren, M. A. 1972. Introduction and Description of the Present Program. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1972. ANL-7960, Part III, pp. 1-6. Argonne, Illinois.
1337. Marshall, J. S.; Van Reken, R. 1976. A Method for the In Situ Study of Pollutant Effects on Natural Zooplankton Communities. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976. ANL-76-88, Part III, pp. 26-30. Argonne, Illinois.
1338. Marshall, J. S.; Waller, B. J.; Yaguchi, E. M. 1975. Plutonium in the Laurentian Great Lakes: Food-Chain Relationships. *Int. Ver. Theor. Angew. Limnol. Verh.* 19: 323-329.
1339. Marter, J. H.; Cheetham, R. N., Jr. 1971. Areal Measurement and Nomenclature of Watersheds in Southeast Wisconsin Rivers Basin. U.S. Dept. of Agriculture, Soil Conserv. Serv., Econ. Res. Serv., and Forest Serv. Ref. Rep. No. 10. Lincoln, Nebraska. 78 pp.
1340. Martin, E. J.; Weinberger, L. W. 1966. Eutrophication and Water Pollution. In: Proceedings 9th Conference Great Lakes Research, pp. 451-469. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.
1341. Marzolf, G. R. 1965. Vertical Migration of *Pontoporeia affinis* (Amphipoda) in Lake Michigan. In: Proceedings 8th Conference Great Lakes Research, pp. 133-140. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
1342. Marzolf, G. R. 1965. Substrate Relations of the Burrowing Amphipod *Pontoporeia affinis* in Lake Michigan. *Ecology* 46(5): 579-591.
1343. Maslowski, J. 1968. The Trend in Water Law Development (Surface Water in Michigan). *Prospectus - A Journal of Law Reform* 1(1): 131-138.
1344. Matson, W. R.; Allen, H. E.; Rekshan, P. 1969. Trace Metal Organic Complexes in the Great Lakes. *Amer. Chem. Soc. Div. Water, Air Waste Chem., Gen. Pap.* 1969: 164-168.

1345. Matsumura, F.; Patil, K. C.; Boush, G. M. 1970. Formation of "Photodieldrin" by Microorganisms. *Science* 170: 1206-1207.
1346. Matsumura, F.; Patil, K. C.; Boush, G. M. 1971. DDT Metabolized by Microorganisms from Lake Michigan. *Nature (London)* 230(5292): 325-326.
1347. Mayer, H. M. 1975. Wisconsin's Great Lakes Ports: Background and Future Alternatives. Wisconsin Dept. of Admin., Coastal Manag. Development Prog. Madison, Wisconsin. 66 pp. + Appendices + Maps.
1348. Mayer, H. M. 1975. The Great Lakes Internal and External Shipping. Transportation Res. Board. Washington, D.C. 22 pp.
1349. Mayhew, E. A. 1972. Water Movements in Little Bay de Noc as Evidenced by Physical and Chemical Characteristics. Master's thesis. University of Wisconsin-Milwaukee. 72 pp.
1350. Mayhew, M. C. 1974. A Survey of the Neustonic Community of Lake Michigan and of Six Small Wisconsin Lakes. Master's thesis. University of Wisconsin-Milwaukee. 59 pp.
1351. McCaull, J. 1972. Assault on a Lake. *Environment* 14(7): 32-39.
1352. McComish, T. S. 1975. Interspecies Relationships of Fish in Indiana Waters of Lake Michigan. NOAA Rep. No. NOAA-75090305, and NTIS Rep. No. COM-75-11348/OSL. 154 pp.
1353. McComish, T. S.; Miller, W. G. 1976. Notes on the Biology of the Lake Trout and Other Selected Salmonidae in Indiana Waters of Lake Michigan. *Proc. Indiana Acad. Sci.* 85: 161-169.
1354. McCown, D. L.; Harrison, W.; Orvosh, W. 1976. Transport and Dispersion of Oil-Refinery Wastes in the Coastal Waters of Southwestern Lake Michigan. Argonne National Laboratory Rep. No. ANL/WR-76-4. Argonne, Illinois. 48 pp.
1355. McFadden, J. T.; Armstrong, J. M. 1970. A Multidisciplinary University Program in Marine Sciences and Engineering for the Great Lakes. In: *Proceedings 13th Conference Great Lakes Research*, pp. 1020-1034. Internat. Assoc. Great Lakes Res.
1356. McFadden, J. T.; Ragotzkie, R. A. 1963. Aerial Mapping of Surface Temperature Pattern of Lake Michigan. In: *Proceedings 6th Conference Great Lakes Research*, pp. 55-58. University of Michigan, Great Lakes Res. Div., Pub. No. 10. Ann Arbor, Michigan.
1357. McGeary, D. 1964. Size Analysis of Nearshore Sediments, Southeastern Lake Michigan. Master's thesis. University of Illinois at Urbana-Champaign. 41 pp.

1358. McGrath, M.; Dvorak, D. 1974. Zooplankton Study. In: Industrial Bio-Test Laboratories. Operational Environmental Monitoring in Lake Michigan Near Zion Station, July 1973 through June 1974, Volume II, pp. 75-232. Industrial Bio-Test Laboratories Annual Report to Commonwealth Edison Co., Chicago, Illinois.
1359. McKee, E. M. 1968. Mapping the Bottom of Lake Michigan. *Oceanol. Int.* July-August, pp. 32-33.
1360. McKee, E. M. 1968. Lake Michigan -- Top to Bottom. *Limnos* 1(1): 12-16.
1361. McKee, E. M. 1974. Changes in Offshore Bar Patterns with Man-Made Structures. In: Papers from a Technical Conference on Lake Michigan Shoreland Planning, pp. 66-75. Lake Michigan Federation. Chicago, Illinois.
1362. McLain, D. R. 1963. Relationships between Conductivity and Residues on Evaporation for Two Great Lakes Waters. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 22. Ann Arbor, Michigan; and Master's thesis. University of Michigan. 36 pp.
1363. McLeod, K. W. 1974. Survival Strategy of *Ptelea trifoliata* during Establishment on Lake Michigan Sand Dunes. Ph.D. thesis. Michigan State University. 108 pp.
1364. McMillan, H. 1973. The Metropolitan Sanitary District of Greater Chicago. In: Chow, V. T., Csallany, S. C., Krizek, R. J., and Preul, H. C. (eds.). Water for the Human Environment, Proceedings of the First World Congress on Water Resources, Vol. 1, Congress Papers: New Technology for Solving Water Problems, pp. 376-382. Int. Water Resour. Assoc., Champaign, Illinois.
1365. McMillan, L. M.; Karshen, S. P.; Willey, B. F. 1972. Identification and Location of Actinomycetes in the Southern End of Lake Michigan. *J. Am. Water Works Assoc.* 64(5): 312-315.
1366. McMillan, M.; McGinnis, D. 1975. Snowfall Patterns near the Great Lakes. *Mon. Weather Rev.* 103: 837-838.
1367. McNaught, D. C. 1966. Depth Control by Planktonic Cladocerans in Lake Michigan. In: Proceedings 9th Conference Great Lakes Research, pp. 98-108. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.
1368. McNaught, D. C.; Hasler, A. D. 1966. Photoenvironments of Planktonic Crustacea in Lake Michigan. *Int. Ver. Theor. Angew. Limnol. Verh.* 16: 194-203.
1369. McNaught, D. C.; Scavia, D. 1976. Application of a Model of Zooplankton Composition to Problems of Fish Introductions to the Great Lakes. In: Canale, R. P. (ed.). Modeling of Biochemical Processes in Aquatic Ecosystems, pp. 281-304. Ann Arbor Science Publishers, Ann Arbor, Michigan.

1370. McWilliam, P. S. 1970. Seasonal Changes in Abundance and Reproduction in the Opossum Shrimp, *Mysis relicta* Loven, in Lake Michigan. Master's thesis. University of Sydney. Sydney, Australia. 94 pp.
1371. Megerian, E. 1964. Forecasting Great Lakes Levels Second through Sixth Month. In: Proceedings 7th Conference Great Lakes Research, pp. 238-252. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
1372. Megerian, E.; Pentland, R. L. 1968. Simulation of Great Lakes Basin Water Supplies. Water Resour. Res. 4(1): 11-17.; and U.S. Army Corps of Engineers, U.S. Lake Survey Misc. Paper 68-2.
1373. Meiri, D. 1976. Wave Induced Oscillations in Harbors of Arbitrary Shape and Variable Depth. Master's thesis. University of Wisconsin-Milwaukee.
1374. Mellinger, D. L. 1975. Vertical Distribution, Composition, and Abundance of Crustacean Zooplankton in the Offshore Waters of Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1975. ANL-75-60, Part III, pp. 65-67. Argonne, Illinois.
1375. Meredith, D. D. 1968. Water Systems Modeling. In: Analysis of Water and Water Related Research Requirements in the Great Lakes Region, Appendix C, pp. 61-77. U.S. Dept. of the Interior, Office of Water Resour. Res. Washington, D.C.
1376. Meredith, D. D. 1970. Modeling of the Great Lakes Water System. Water Resour. Bull. 6(1): 55-64.
1377. Meredith, D. D. 1974. Hydrologic Models of the Great Lakes. University of Illinois, Water Resour. Center Res. Rep. No. 81. Urbana, Illinois. 35 pp.
1378. Meredith, D. D. 1975. Temperature Effects on Great Lakes Water Balance Studies. Water Resour. Bull. 11(1): 60-68.
1379. Meredith, D. D.; Ewing, B. B. 1969. Systems Approach to the Evaluation of Benefits from Improved Great Lakes Water Quality. In: Proceedings 12th Conference Great Lakes Research, pp. 843-870. Internat. Assoc. Great Lakes Res.
1380. Mermin, S. 1968. The Fox-Wisconsin Rivers Improvement: A Historical Study in Legal Institutions and Political Economy. University of Wisconsin-Madison. 250 pp.
1381. Merna, J. W. 1960. A Benthological Investigation of Lake Michigan. Master's thesis. Michigan State University. 74 pp.
1382. Meyer, R. P. 1969. Exploration and Sea Floor Resources. In: Second Annual Wisconsin Sea Grant Conference for Industrial Executives, pp. 46-53. University of Wisconsin Sea Grant Program Public Info. Rep. No. WIS-SG-70-102. Madison, Wisconsin.

1383. Meyers, C. D.; Bremer, K. E. (eds.). 1975. A Statement of Concerns and Suggested Ecological Research: Report Number 1 of the Lake Michigan Cooling Water Studies Panel. U.S. Environmental Protection Agency Rep. No. EPA-905/3-75-001. 387 pp.
1384. Michalski, M. F. S. 1969. Planktonic and Periphytic Algae of the Great Lakes - A List of Recorded Species and Their Distribution. In: Anderson, D. V. (ed.). The Great Lakes as an Environment, Rep. 39, Appendix VI, Part 2, pp. 1972-1974. University of Toronto, Great Lakes Institute, Toronto, Ontario.
1385. Michigan Basin Geol. Society. 1962. Silurian Rocks of the Southern Lake Michigan Area, Annual Field Conference. Michigan Dept. Conserv., Geol. Surv. Div. Lansing, Michigan. 96 pp.
1386. Michigan Dept. Nat. Resour. 1970. Coho Salmon Status Report, 1967-68. Michigan Dept. Nat. Resour. Fish. Manag. Rep. No. 3.
1387. Michigan Dept. Nat. Resour. 1972-1974. Great Lakes Environmental Contaminants Survey. Michigan Dept. Nat. Resour., Michigan Dept. Agri., U.S. Dept. of the Interior, and Michigan Dept. of Public Health. Lansing, Michigan.
1388. Michigan Dept. Nat. Resour. 1974. Status of Selected Stocks in Michigan's Great Lakes Waters and Recommendations for their Harvest. Michigan Dept. Nat. Resour., Fish. Div. Res. Rep.
1389. Michigan State University. 1964. Proceedings of Great Lakes Levels Conference, July 28, 1964. Michigan State University, Kellogg Center for Continuing Education and Dept. Resour. Development. East Lansing, Michigan. 162 pp.
1390. Michigan Water Resour. Commission, Water Development Serv. Div. 1971. Michigan and the Great Lakes. Michigan Dept. Nat. Resour., Michigan Water Resour. Commission, Water Development Serv. Div. Rep. No. WDS-6. 35 pp.
1391. Michigan Water Resour. Commission. 1968. Summary of Water Quality Standards for Designated Use Areas in Michigan Interstate Waters. Michigan Dept. Nat. Resour., Michigan Water Resour. Commission. Lansing, Michigan.
1392. Michigan Water Resour. Commission. 1968. Water Pollution in the Michigan Portion of the Lake Michigan Basin and its Tributaries. Michigan Dept. Nat. Resour., Michigan Water Resour. Commission. Lansing, Michigan.
1393. Michigan Water Resour. Commission. 1968. Water Resources of the Lower Lake Michigan Drainage Basin: An Overview of Region Water Uses. Michigan Dept. Nat. Resour., Michigan Water Resour. Commission. 117 pp.

1394. Michigan Water Resour. Commission. 1970. Great Lakes Shoreland Management and Erosion Damage Control for Michigan. Michigan Dept. Nat. Resour., Michigan Water Resour. Commission, Rep. No. WDS-4. Lansing, Michigan. 18 pp.
1395. Michigan Water Resour. Commission. 1973. A Plan for Michigan's Shorelands. Michigan Dept. Nat. Resour., Michigan Water Resour. Commission. 135 pp.
1396. Michigan Water Resour. Commission. 1975. Representative Important Species for Use in 316 Demonstrations for Michigan's Electric Generating Facilities. In: Thermal and Intake Studies-Guidance Manual, pp. 4-20. Michigan Water Resour. Commission. Lansing, Michigan.
1397. Mickelson, D. M.; Evenson, E. B. 1975. Pre-Twocreekan Age of the Type Valders Till, Wisconsin. *Geology* 3(10): 587-590.
1398. Miller, H. J. 1962. Development and Preservation of Wildlife Habitat in the Great Lakes Shoreline. Michigan Dept. Conserv., Game Div. Rep. No. 2391. Lansing, Michigan. 12 pp.
1399. Miller, R. R. 1965. Quaternary Freshwater Fishes of North America. In: Wright, H. E., and Frey, D. G. (eds.). *The Quaternary of the United States*, pp. 569-581. Princeton University Press, Princeton, New Jersey.
1400. Miller, W. E.; Maloney, T. E.; Greene, J. C. 1974. Algal Productivity in 49 Lake Waters as Determined by Algal Assays. *Water Res.* 8: 667-679.
1401. Modlin, R. F.; Beeton, A. M. 1970. Dispersal of Fox River Water in Green Bay, Lake Michigan. In: *Proceedings 13th Conference Great Lakes Research, Part 1*, pp. 468-476. Internat. Assoc. Great Lakes Res.
1402. Modlin, R. F.; Gannon, J. E. 1973. A Contribution to the Ecology and Distribution of Aquatic Acari in the St. Lawrence Great Lakes. *Trans. Am. Microsc. Soc.* 92(2): 217-224.
1403. Moench, A. F.; Visocky, A. P. 1971. A Preliminary "Least Cost" Study of Future Groundwater Development in Northeastern Illinois. Illinois Dept. of Registration and Education, Circ. 102. Springfield, Illinois. 19 pp.
1404. Moffett, J. W. 1966. Ecology of the Alewife (*Alosa pseudoharengus*) in the Great Lakes. U.S. Fish Wildl. Serv., Great Lakes Fishery Laboratory, Admin. Rep. Ann Arbor, Michigan.
1405. Moffett, J. W. 1966. The General Biology of the Cyclostomes with Special Reference to the Lamprey. In: Smith, R. T., Miescher, P. A., and Good, R. A. (eds.). *Phylogeny of Immunity*, pp. 255-262. University of Florida Press, Gainesville, Florida.
1406. Moll, R. A.; Schelske, C. L.; Simmons, M. S. 1976. Distribution of Water Masses In and Near the Straits of Mackinac. *J. Great Lakes Res.* 2(1): 43-59.

1407. Monahan, E. C.; Kaye, G. T.; Michelena, E. D. 1973. Drogue Measurements of the Circulation in Grand Traverse Bay, Lake Michigan. Michigan Sea Grant Program Tech. Rep. No. 35. MICHU-SG-73-202. Ann Arbor, Michigan. 35 pp.
1408. Monahan, E. C.; Pilgrim, P. C. 1976. Coastwise Currents in the Vicinity of Chicago, and Currents Elsewhere in Southern Lake Michigan. Michigan Sea Grant Program Tech. Rep. No. 04-5-158-16. MICHU-SG-75-203. Ann Arbor, Michigan. 150 pp.
1409. Monheimer, R. H. 1968. Some Ecological Considerations of the Toxin of *Clostridium botulinum* Type E in the Lake Michigan Ecosystem. Ph.D. thesis. Michigan State University. 54 pp.
1410. Monteith, T. J.; Sonzogni, W. C. 1976. U.S. Great Lakes Shoreline Erosion Loadings. International Joint Commission, International Reference Group on Great Lakes Pollution from Land Use Activities, Task D Report. Windsor, Ontario. 211 pp.
1411. Moore, C. A.; Silver, M. L. 1972. The Role of Sediments in Eutrophication -- A Preliminary Study. University of Illinois, Water Resour. Center Res. Rep. No. 50. Urbana, Illinois. 89 pp.
1412. Moore, F. R. 1976. The Dynamics of Seasonal Distribution of Great Lakes Herring Gulls. *Bird-Banding* 47(2): 141-159.
1413. Moore, H. 1969. Proposal for an Artificial Lake near the Boundary of Wisconsin and Illinois. In: *Proceedings 12th Conference Great Lakes Research*, pp. 871-876. Internat. Assoc. Great Lakes Res.
1414. Moore, H. H.; Dahl, F. H.; Lamsa, A. K. 1974. Movement and Recapture of Parasitic-Phase Sea Lampreys (*Petromyzon marinus*) Tagged in the St. Mary's River and Lakes Huron and Michigan, 1963-67. Great Lakes Fishery Comm. Tech. Rep. No. 27. Ann Arbor, Michigan. 19 pp.
1415. Moore, J. E. 1960. Petrography of Northeastern Lake Michigan Bottom Sediments. Ph.D. thesis. University of Illinois at Urbana-Champaign. 103 pp.
1416. Moore, J. E. 1961. Petrography of Northeastern Lake Michigan Bottom Sediments. *J. Sed. Petr.* 31: 402-436.
1417. Moore, J. R. 1970. Lake Trout--Lake Michigan 1970. Wisconsin Dept. Nat. Resour.
1418. Moore, J. R.; Meyer, R. P. 1969. Progress Report on the Geological-Geophysical Survey of Green Bay, 1968. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-70-201. Madison, Wisconsin. 16 pp.
1419. Moore, J. R.; Meyer, R. P.; Morgan, C. L. 1973. Investigation of the Sediments and Potential Manganese Nodule Resources of Green Bay. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-73-218. Madison, Wisconsin. 144 pp.

1420. Moore, R. J. 1971. Manganese-Rich Pellets in Green Bay, An Exploitable Mineral Resource of the Great Lakes. In: Offshore Technology Second Annual Conf., Dallas, Texas, Vol. 1, pp. 11-19.
1421. Morgan, M. D. 1976. Life History and Annual Net Secondary Productivity of *Mysis relicta* (Loven) in Westcentral Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee. 55 pp.
1422. Moroz, W. J. 1965. The Lake Breeze Circulation Along the Shoreline of a Large Lake. University of Michigan, Dept. of Meteorol. and Oceanogr. Tech. Rep. No. 07143-1-T; and Ph.D. thesis. University of Michigan, Ann Arbor, Michigan. 120 pp.
1423. Moroz, W. J. 1967. A Lake Breeze on the Eastern Shore of Lake Michigan: Observations and Model. *J. Atmos. Soc.* 24: 337-355.
1424. Moroz, W. J.; Hewson, E. W. 1966. The Mesoscale Interaction of a Lake Breeze and Low Level Outflow from a Thunderstorm. *J. Appl. Meteorol.* 5: 148-155.
1425. Moroz, W. J.; Hewson, E. W.; Gill, G. C. 1967. Variation of a Lake Breeze Wind with Time Near the Lakeshore. In: Proceedings 10th Conference Great Lakes Research, pp. 221-230. Internat. Assoc. Great Lakes Res.
1427. Morsell, J. W.; Norden, C. R. 1968. Food Habits of the Alewife, *Alosa pseudoharengus* (Wilson), in Lake Michigan. In: Proceedings 11th Conference Great Lakes Research, pp. 96-102. Internat. Assoc. Great Lakes Res.; Master's thesis. University of Wisconsin-Milwaukee. 50 pp.
1428. Mortimer, C. H. 1963. Frontiers in Physical Limnology with Particular Reference to Long Waves in Rotating Basins. In: Proceedings 6th Conference Great Lakes Research, pp. 9-42. University of Michigan, Great Lakes Res. Div., Pub. No. 10. Ann Arbor, Michigan.
1429. Mortimer, C. H. 1965. Spectra of Long Surface Waves and Tides in Lake Michigan and at Green Bay, Wisconsin. In: Proceedings 8th Conference Great Lakes Research, pp. 304-324. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
1430. Mortimer, C. H. 1968. Internal Waves and Associated Currents Observed in Lake Michigan During the Summer of 1963. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 1. Milwaukee, Wisconsin. 24 pp.
1431. Mortimer, C. H. 1969. Physical Factors with Bearing on Eutrophication in Lakes in General and in Large Lakes in Particular. In: Eutrophication: Causes, Consequences, Correctives, Proceedings of a Symposium, pp 340-368. National Academy of Sciences. Washington, D.C.
1432. Mortimer, C. H. 1969. Factors Likely to be Important in Regulating Chemical Exchange Between Sediment and Water in the Great Lakes. *Amer. Chem. Soc. Div. Water, Air Waste Chem., Gen. Pap.* 1969: 161-163.

1433. Mortimer, C. H. 1969. Exploration and Theoretical Study of Circulation in Large Basins, Gulfs, and Estuaries with Particular Reference to Green Bay. In: Second Annual Wisconsin Sea Grant Conference for Industrial Executives, pp. 27-37. University of Wisconsin Sea Grant Program Public Info. Rep. No. WIS-SG-70-102. Madison, Wisconsin.
1434. Mortimer, C. H. 1971. Large Scale Oscillatory Motions and Seasonal Temperature Changes in Lake Michigan and Lake Ontario, Part I. and Part II. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 12. Milwaukee, Wisconsin. 111 pp. and 106 pp.
1435. Mortimer, C. H. 1971. Chemical Exchanges Between Sediments and Water in the Great Lakes -- Speculations on Probable Regulatory Mechanisms. *Limnol. Oceanogr.* 16: 387-404.
1436. Mortimer, C. H. 1974. A Lake Michigan Archipelago? Prospectus in Outline for Recreational Islands in Milwaukee County. University of Wisconsin-Milwaukee, Center for Great Lakes Studies. Milwaukee, Wisconsin. 7 pp.
1437. Mortimer, C. H. 1974. Lake Hydrodynamics. *Mitt. Int. Verein. Theor. Angew. Limnol.* 20: 124-197.
1438. Mortimer, C. H. 1975. Environmental Status of the Lake Michigan Region. Vol. 2. Physical Limnology of Lake Michigan. Part 1. Physical Characteristics of Michigan and Its Responses to Applied Forces. In: Argonne National Laboratory Rep. No. ANL/ES-40, Vol. 2. Part 1, pp. 1-102. Argonne, Illinois.
1439. Mortimer, C. H.; Fee, E. J. 1976. Free Surface Oscillations and Tides of Lakes Michigan and Superior. *Phil. Trans. R. Soc. Lond. A.* 281: 1-61.
1440. Mortimer, C. H.; McNaught, D. C.; Stewart, K. M. 1968. Short Internal Waves Near their High-Frequency Limit in Central Lake Michigan. In: Proceedings 11th Conference Great Lakes Research, pp. 454-469. Internat. Assoc. Great Lakes Res.
1441. Mortimer, C. H.; Rao, D. B.; Schwab, D. J. 1976. A Supplementary Note and Figure Added to Paper "Free Surface Oscillations and Tides of Lakes Michigan and Superior" by C.H. Mortimer and E.J. Fee. *Phil. Trans. R. Soc. Lond. A.* 281: 58-60.
1442. Mortimer, C. H.; Sato, G. K. 1974. Investigation of the Influence of Thermal Discharge from a Large Electric Power Station on the Temperature and Near-Shore Circulation of Lake Michigan. Quarterly Progress Report, 1 January 1974--31 March 1974. U.S. Atomic Energy Commission. NTIS Rep. No. COO-2158-11. 4 pp.
1443. Mortimer, C. H.; Verber, J. L. 1967. Correlation of Wind, Current, and Temperature in Summer. In: U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin., Great Lakes Region. Lake Currents, Ch. 10, pp. 325-350. Great Lakes-Illinois River Basins Project. Chicago, Illinois.

1444. Mozley, S. C. 1973. Study of Benthic Organisms. In: Ayers, J. C., Mozley, S. C., and Roth, J. C. (eds.). Benton Harbor Power Plant Limnological Studies, Part XV, Great Lakes Res. Div. Spec. Rep. 44, pp. 26-69.
1445. Mozley, S. C. 1973. Benthic Animals as Monitors for the Accumulation of Radioisotopic Wastes in the Biota of Coastal Lake Michigan. In: Ayers, J. C., and Seibel, E. (eds.). Benton Harbor Power Plant Limnological Studies, Part XIII. Cook Plant Preoperational Studies 1972, pp. 255-281. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan.
1446. Mozley, S. C. 1973. Study of Benthic Organisms. In: Ayers, J. C., and Seibel, E. (eds.). Benton Harbor Power Plant Limnological Studies, Part XIII. Cook Plant Preoperational Studies 1972, pp. 178-250. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan.
1447. Mozley, S. C. 1974. Preoperational Distribution of Benthic Macroinvertebrates in Lake Michigan Near the Cook Nuclear Power Plant. In: Seibel, E., and Ayers, J. C. (eds.). The Biological, Chemical, and Physical Character of Lake Michigan in the Vicinity of the Donald C. Cook Nuclear Plant, pp. 5-137. University of Michigan, Great Lakes Res. Div., Spec. Rep. 51. Ann Arbor, Michigan.
1448. Mozley, S. C. 1975. Preoperational Investigations of Zoobenthos in Southeastern Lake Michigan near the Cook Nuclear Plant. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 56. Ann Arbor, Michigan. 132 pp.
1449. Mozley, S. C. 1975. Benthic Community Responses to Energy-Related Effluents in the Great Lakes. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 438-447. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
1450. Mozley, S. C.; Alley, W. P. 1973. Distribution of Benthic Invertebrates in the South End of Lake Michigan. In: Proceedings 16th Conference Great Lakes Research, pp. 87-96. Internat. Assoc. Great Lakes Res.
1451. Mozley, S. C.; Garcia, L. C. 1972. Benthic Macrofauna in the Coastal Zone of Southeastern Lake Michigan. In: Proceedings 15th Conference Great Lakes Research, pp. 102-116. Internat. Assoc. Great Lakes Res.
1452. Mozley, S. C.; Winnell, M. H. 1975. Macrozoobenthic Species Assemblages of Southeastern Lake Michigan. Int. Ver. Theor. Angew. Limnol. Verh. 19(2): 922-931.
1453. Mraz, D. 1964. Age and Growth of the Round Whitefish in Lake Michigan. Trans. Am. Fish. Soc. 93(1): 46-52.
1454. Mraz, D. 1964. Age, Growth, Sex Ratio, and Maturity of the Whitefish in Central Green Bay and Adjacent Waters of Lake Michigan. U.S. Fish Wildl. Serv. Fish. Bull. 63: 619-634.

1455. Muench, B. I. 1974. Adult Fish Study. In: Operational Environmental Monitoring in Lake Michigan Near Zion Station, July 1973 through June 1974, Vol III, Annual Report to Commonwealth Edison Co., Chicago, Illinois, pp. 141-200. Industrial Bio-Test Laboratories. Northbrook, Illinois.
1456. Muhlenbruch, C. W.; Stuart, R. C. 1962. Development of the Transportation Network. In: Pincus, H. J. (ed.). Great Lakes Basin, pp. 157-191. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
1457. Muir, T. 1976. Commercial-Industrial Land Use Projections. International Joint Commission, International Reference Group On Great Lakes Pollution From Land Use Activities. Unpublished. PLUARG Task B-5 Land Use Forecasts.
1458. Muller, F. B.; Gervais, J. G.; Shaw, R. 1965. The Effect of Basin Precipitation on the Level of Lake Michigan/Huron. Can. Meteorol. Branch Circ. 4264. 37 pp.
1459. Munawar, M.; Munawar, I. F. 1975. The Abundance and Significance of Phytoflagellates and Nannoplankton in the St. Lawrence Great Lakes. I. Phytoflagellates. Int. Ver. Theor. Agnew. Limnol. Verh. 19: 705-723.
1460. Murarka, I. P.; Policastro, A. J.; Daniels, E. W.; Ferrante, J. G.; Vaslow, F. 1976. An Evaluation of Environmental Data Relating to Selected Nuclear Power Plant Sites: The Zion Nuclear Power Station Site. Argonne National Laboratory, Rep. No. ANL/EIS-5. Argonne, Illinois.
1461. Murarka, I. P.; Policastro, A. J.; Ferrante, J. G.; Daniels, E. W.; Marmer, G. J. 1976. An Evaluation of Environmental Data Relating to Selected Nuclear Power Plant Sites: A Synthesis and Summary with Recommendations. Argonne National Laboratory, Rep. No. ANL/EIS-8. Argonne, Illinois.
1462. Murphy, T. J. 1974. Sources of Phosphorus Inputs from the Atmosphere and Their Significance to Oligotrophic Lakes. University of Illinois, Water Resour. Center Res. Rep. No. 92. Urbana, Illinois. 51 pp.
1463. Murphy, T. J. 1976. Concentrations of Phosphorus in Precipitation in the Lake Michigan Basin. J. Great Lakes Res. 2(Suppl. 1): 127-131.
1464. Murphy, T. J.; Cesarotti, D. J. 1974. Phosphorus Inputs From the Atmosphere. NTIS Rep. PB-237 341. 22 pp.
1465. Murphy, T. J.; Doskey, P. V. 1975. Inputs of Phosphorus from Precipitation to Lake Michigan. U.S. Environmental Protection Agency, Environmental Research Lab., Rep. No. EPA 600/3-75-005. Duluth, Minnesota.
1466. Murphy, T. J.; Doskey, P. V. 1976. Inputs of Phosphorus from Precipitation to Lake Michigan. J. Great Lakes Res. 2(1): 60-70.

1467. Murty, T. S.; Polavarapu, R. J. 1975. Reconstruction of Some of the Early Storm Surges on the Great Lakes. *J. Great Lakes Res.* 1(1): 116-129.
1468. Murty, T. S.; Rao, D. B. 1970. Wind-Generated Circulations in Lakes Erie, Huron, Michigan and Superior. In: *Proceedings 13th Conference Great Lakes Research, Part 2*, pp. 927-941. Internat. Assoc. Great Lakes Res.
1469. NALCO Environmental Sciences. 1976. Operational Environmental Monitoring Program of Lake Michigan near Kewaunee Nuclear Power Plant. NALCO Environmental Sciences, Sixth Annual Report to Wisconsin Public Service Corp., Jan.-Dec. 1976. Green Bay, Wisconsin.
1470. NALCO Environmental Sciences. 1976. State Line Generating Station, Hammond, Indiana, 316(b) Demonstration. NALCO Environmental Sciences.
1471. NALCO Environmental Sciences. 1976. Compilation of Reports Relating to Entrainment and Impingement Studies at Zion Generating Station, Vol. 1. NALCO Environmental Sciences, Report to Commonwealth Edison Co. Chicago, Illinois.
1472. NALCO Environmental Sciences. 1976. Dean H. Mitchell Station, Gary Indiana, 316(a) Demonstration. Northern Indiana Public Service Co. Hammond, Indiana.
1473. NOAA National Climatic Center. 1975. Summary of Synoptic Meteorological Observations for Great Lakes Areas. Volume 3. Lake Michigan. NOAA National Climatic Center, Rep. No. NWS-1609. Asheville, North Carolina. 158 pp.
1474. NOAA National Ocean Surv., Lake Surv. Center 1836-1974. Monthly and Annual Mean Elevations of Lake Michigan at Milwaukee, Wisconsin. Cumulative Station Records. NOAA National Ocean Surv. Detroit, Michigan.
1475. NOAA National Ocean Surv., Lake Surv. Center. 1922-1975. Monthly and Annual Mean Elevations of Lake Michigan at Sturgeon Bay, Wisconsin. Cumulative Station Records. NOAA National Ocean Surv. Detroit, Michigan.
1476. NOAA National Ocean Surv., Lake Surv. Center. 1953-1975. Monthly and Annual Mean Elevations of Lake Michigan at Green Bay, Wisconsin. Cumulative Station Records. NOAA National Ocean Surv. Detroit, Michigan.
1477. NOAA National Ocean Surv., Lake Surv. Center. 1971. Great Lakes Water Levels 1860-1970. NOAA National Ocean Surv., Lake Surv. Center. Detroit, Michigan. 60 pp.
1478. NOAA National Ocean Surv., Lake Surv. Center. 1972. Great Lakes Water Levels, 1970. NOAA National Ocean Surv., Lake Surv. Center. Detroit, Michigan. 126 pp.

1479. NOAA National Ocean Surv., Lake Surv. Center. 1972. Lake Survey Center 1972 Research Program. NOAA Tech. Memo. NOS-LSC-D-2. Detroit, Michigan. 59 pp.
1480. NOAA National Ocean Surv., Lake Surv. Center. 1973. Great Lakes Water Levels, 1971. NOAA National Ocean Surv., Lake Surv. Center. Detroit, Michigan. 126 pp.
1481. NOAA National Ocean Surv., Lake Surv. Center. 1973. Great Lakes Water Levels, 1972. NOAA National Ocean Surv., Lake Surv. Center. Detroit, Michigan. 126 pp.
1482. NOAA National Ocean Surv., Lake Surv. Center. 1974. Great Lakes Water Levels, 1973. NOAA National Ocean Surv., Lake Surv. Center. Detroit, Michigan. 126 pp.
1483. NOAA National Ocean Surv., Lake Surv. Center. 1975. Great Lakes Water Levels, 1974. NOAA National Ocean Surv., Lake Surv. Center. Detroit, Michigan. 106 pp.
1484. Napoli, J. 1973. The Pesticide Barometer: Lake Michigan. *Limnos* 5(3): 10-11.
1485. Napoli, J. 1975. Wisconsin, The "Inland Seas," and Coastal Management. *J. Mar. Tech. Soc.* 9(2): 20-24.
1486. Napoli, J. 1975. The Coasts of Wisconsin. University of Wisconsin Sea Grant Program Public Info. Rep. No. WIS-SG-75-122. Madison, Wisconsin.
1487. Neidermyer, W. J.; Hickey, J. J. 1976. Chronology of Organochlorine Compounds in Lake Michigan Fish, 1929-1966. *Pestic. Monit. J.* 10(3): 92-95.
1488. Neil, J. H. 1975. Cladophora in the Great Lakes, A Review Paper. In: Shear, H., and Konasewich, D. E. (eds.). *Cladophora in the Great Lakes*. International Joint Commission, Great Lakes Research Advisory Board. Windsor, Ontario.
1489. Neil, J. H.; Owen, G. E. 1964. Distribution, Environmental Requirements, and Significance of Cladophora in the Great Lakes. In: *Proceedings 7th Conference Great Lakes Research*, pp. 113-121. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
1490. Nelson, D. M.; Gustafson, P. F.; Sedlet, J. 1970. Fallout Radionuclides as Tracers of Lake Mixing. In: *Proceedings 13th Conference Great Lakes Research, Part 1*, pp. 490-494. Internat. Assoc. Great Lakes Res.
1491. Nelson, D. M.; Romberg, G. P.; Prepejchal, W. 1971. Radionuclides in Lake Michigan Fish. In: *Argonne National Laboratory, Radiol. Physics Div. Annual Report, Jan.-Dec., 1971, ANL-7860, Part III*, pp. 141-150. Argonne, Illinois.

1492. Nelson, D. M.; Romberg, G. P.; Prepejchal, W. 1971. Radionuclide Concentrations Near the Big Rock Point Nuclear Power Plant. In: Proceedings 14th Conference Great Lakes Research, pp. 268-276. Internat. Assoc. Great Lakes Res.
1493. Nelson, D. M.; Romberg, G. P.; Prepejchal, W.; Spigarelli, S. A. 1972. Effects of a Routine Radioactive Release on Aquatic Radionuclide Concentrations. In: Proceedings 15th Conference Great Lakes Research, pp. 260-269. Internat. Assoc. Great Lakes Res.
1494. Nelson, D. M.; Yaguchi, E. M.; Waller, B. J.; Wahlgren, M. A. 1974. Radiochemical Methods. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1973, Rep. No. ANL-8060, Part III. Argonne, Illinois.
1495. Nelson, E. W. 1962. Navigation on the Great Lakes. In: Pincus, H. J. (ed.). Great Lakes Basin. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D. C.
1496. Nelson, K. G.; Roberts, J. 1963. The Milwaukee Formation Along Lake Michigan's Shore. Trans. Wis. Acad. Sci. Arts Lett. 52: 77-81.
1497. Nelson, L. M.; Fassbender, R. L. 1972. Surface Water Resources of Brown County. Wisconsin Dept. Nat. Resour. Madison, Wisconsin. 44 pp.
1498. Neralla, V. R. 1974. Incorporation of Convection in the Synoptic Study of Large Scale Effects of the Great Lakes. Ph.D. thesis. University of Waterloo, Waterloo, Ontario.
1499. Neralla, V. R.; Danard, M. B. 1975. Incorporation of Parameterized Convection in the Synoptic Study of Large Scale Effects of the Great Lakes. Mon. Weather Rev. 103: 388-405.
1500. Neuschafer, G. F. 1975. Fluvial Metal Contribution and the Ferromanganese Nodules of Green Bay, Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee.
1501. Niemuth, W.; Churchill, W.; Wirth, T. L. 1962. The Life History, Ecology, and Management of the Walleye. Wisconsin Dept. of Conserv. Pub. No. 227.
1502. Noble, V. E. 1961. Measurement of Horizontal Diffusion in the Great Lakes. In: Proceedings 4th Conference Great Lakes Research, pp. 85-95. University of Michigan, Great Lakes Res. Div., Pub. No. 7. Ann Arbor, Michigan.
1503. Noble, V. E. 1965. Winter Temperature Structure of Lake Michigan. In: Proceedings 8th Conference Great Lakes Research, pp. 334-341. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
1504. Noble, V. E. 1966. Observations of the Fall Overturn of Lake Michigan. Limnol. Oceanogr. 11: 413-415.

1505. Noble, V. E. 1966. Vertical Current Structure in the Great Lakes. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 27. Ann Arbor, Michigan. 42 pp.
1506. Noble, V. E. 1967. Evidences of Geostrophically Defined Circulation in Lake Michigan. In: Proceedings 10th Conference Great Lakes Research, pp. 289-298. Internat. Assoc. Great Lakes Res.
1507. Noble, V. E. 1967. Temperature Structure of Lake Michigan. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 340-365. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
1508. Noble, V. E. 1968. El Coyote Flies the Lakes. *Limnos* 1(3): 2-7.
1509. Noble, V. E.; Anderson, R. F. 1968. Temperature and Current in the Grand Haven, Michigan, Vicinity During Thermal Bar Conditions. In: Proceedings 11th Conference Great Lakes Research, pp. 470-479. Internat. Assoc. Great Lakes Res.
1510. Noble, V. E.; Ewing, K. J. 1967. Winter Temperature Structure of the Great Lakes. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 32. Ann Arbor, Michigan. 25 pp.
1511. Noble, V. E.; Ewing, K. J. 1968. Winter Temperature Structure of Lake Michigan. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 40. Ann Arbor, Michigan. 63 pp.
1512. Noble, V. E.; Huang, J. C. K.; Saylor, J. H. 1968. Vertical Current Structure in the Great Lakes. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 37. Ann Arbor, Michigan. 94 pp.
1513. Noble, V. E.; Michaelis, A. 1968. Winter Temperature Data from Federal Water Pollution Control Administration (Great Lakes-Illinois River Basins Project) Buoy Stations. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 39. Ann Arbor, Michigan. 387 pp.
1514. Noble, V. E.; Wilkerson, J. C. 1970. Airborne Temperature Surveys of Lake Michigan, October 1966 and 1967. *Limnol. Oceanogr.* 15: 289-296.
1515. Norby, R. D.; Collinson, C. 1976. Illinois Coastal Processes, Resources and Geology, Zion Beach Ridge and Dune Plain. Ill. State Geol. Surv. Open File Text Report. Champaign, Illinois. 50 pp.
1516. Norden, C. R. 1967. Age, Growth and Fecundity of the Alewife, *Alosa pseudoharengus* (Wilson), in Lake Michigan. *Trans. Am. Fish. Soc.* 96(4): 387-393.
1517. Norden, C. R. 1967. Development and Identification of the Larval Alewife, *Alosa pseudoharengus* (Wilson), in Lake Michigan. In: Proceedings 10th Conference Great Lakes Research, pp. 70-78. Internat. Assoc. Great Lakes Res.
1518. Norden, C. R. 1967. Light Penetration Studies in the Milwaukee Harbor Area of Lake Michigan. *Trans. Wis. Acad. Sci. Arts Lett.* 56: 197-205.

1519. Norden, C. R. 1968. Morphology and Food Habits of the Larval Alewife, *Alosa pseudoharengus* (Wilson), in Lake Michigan. In: Proceedings 11th Conference Great Lakes Research, pp. 103-110. Internat. Assoc. Great Lakes Res.
1520. Norman, J. C.; Sager, P. E. 1976. Phosphorus Cycling and Luxury Phosphorus Storage by Algae in the Waters of Green Bay. University of Wisconsin, Water Resour. Center Rep. No. WIS-WRC 76-04. 39 pp.
1521. Northwestern University. 1969. Lake Michigan Development Proposal. Northwestern University, Dept. of Civil Engineering, Project in Planning and Design Class. Evanston, Illinois. 81 pp.
1522. Nriagu, J. O. 1973. Sulphur Isotope Abundances in Great Lakes Waters: A Preliminary Report. In: Proceedings 16th Conference Great Lakes Research, pp. 1038-1042. Internat. Assoc. Great Lakes Res.
1523. O'Connor, D. J. 1972. Degradation of DDT in Lake Sediments. Master's thesis. University of Wisconsin-Madison.
1524. O'Connor, D. J.; Mueller, J. A. 1970. A Water Quality Model of Chlorides in Great Lakes. J. Sanitary Engin. Div., Am. Soc. Civil Engin. 96: 955-975.
1525. O'Dell, J. E.; Frisch, J. V. 1976. Great Lakes Water Levels: An Update and Beat the Seaway Freeze. NOAA Magazine 6(1): 32-39; and Michigan Sea Grant Program Rep. No. MICHU-SG-76-301. Ann Arbor, Michigan.
1526. O'Gorman, R. 1974. Predation by Rainbow Smelt (*Osmerus mordax*) on Young-of-the-Year Alewives (*Alosa pseudoharengus*) in the Great Lakes. Prog. Fish-Cult. 36(4): 223-224.
1527. O'Hara, N. W. 1971. A Regional Geophysical Investigation of the Green Bay Area. In: Proceedings 14th Conference Great Lakes Research, pp. 355-367. Internat. Assoc. Great Lakes Res.
1528. O'Hara, N. W.; Anderson, R. F.; Yocum, W. L.; Ayers, J. C. 1970. Benton Harbor Power Plant Limnological Studies, Part V. Winter Operations, March 1970. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 17 pp.
1529. O'Hara, N. W.; Ayers, J. C. 1972. Stages of Shore Ice Development. In: Proceedings 15th Conference Great Lakes Research, pp. 521-535. Internat. Assoc. Great Lakes Res.
1530. O'Hara, N. W.; Hinze, W. J. 1972. Basement Geology of the Lake Michigan Area from Aeromagnetic Studies. Geol. Soc. Am. Bull. 83: 1771-1786.
1531. O'Hara, N. W.; Wold, R. J.; Hinze, W. J. 1973. Regional Gravity and Magnetic Study of Southern Lake Michigan--Southern Lake Michigan Geophysical Study. In: Proceedings 16th Conference Great Lake Research, pp. 431-440. Internat. Assoc. Great Lakes Res.

1532. Ogden, J. G. 1967. Radiocarbon and Pollen Evidence for a Sudden Change in Climate in the Great Lakes Region Approximately 10,000 Years Ago. In: Quaternary Paleoecology - Int. Assoc. Quat. Res., 7th Congress, 1965, Proc. V. 7: 117-127. Yale University Press, New Haven, Conn.
1533. Okubo, A.; Ebbesmeyer, C. C.; Helseth, J. M.; Robbins, A. S. 1976. Reanalysis of the Great Lakes Drogue Studies Data. NOAA Great Lakes Environmental Research Lab. Spec. Rep. No. 2. Ann Arbor, Michigan. 84 pp.
1534. Okubo, A.; Farlow, J. S. 1967. Analysis of Some Great Lakes Drogue Studies. In: Proceedings 10th Conference Great Lakes Research, pp. 299-308. Internat. Assoc. Great Lakes Res.
1535. Okubo, A.; Verber, J. L. 1967. Drogue Studies. In: U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin., Great Lakes Region. Lake Currents, Ch. 8, pp. 234-296. Great Lakes-Illinois River Basins Project. Chicago, Illinois.
1536. Olds, N. V. 1965. Law of the Lakes. Mich. State B. J. 44(2): 14-20.
1537. Olson, G. R. 1974. Benthic Macroinvertebrate Studies. A Study of the Effects of Installing and Operating a Large Pumped Storage Project on the Shores of Lake Michigan Near Ludington, Michigan, 1973 Annual Report, Vol. 3. Consumers Power Co. Jackson, Michigan. 220 pp.
1538. Olson, L. J. 1973. Effects of Host Age, Sex and Season on the Metazoan Parasites of the Great Lakes Bloater, *Coregonus hoyi* (Gill), in Western Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee. 50 pp.
1539. Olson, T. A. 1969. A Study of the Open Water Distribution and Abundance of Net Plankton as an Index of Eutrophication in Lake Superior. Office Water Resour. Res. Rep. No. A-011-MINN. Minneapolis, Minnesota. 2 pp.
1540. Olsson, L. E. 1973. Detailed Mesometeorological Studies of Air Pollution Dispersion in the Chicago Lake Breeze. Mon. Weather Rev. 101(5): 387-403.
1541. Olsson, L. E.; Cole, A. L.; Hewson, E. W. 1968. An Observational Study of the Lake Breeze on the Eastern Shore of Lake Michigan, 25 June 1965. In: Proceedings 11th Conference Great Lakes Research, pp. 313-325. Internat. Assoc. Great Lakes Res.
1542. Olsson, L. E.; Cole, A. L.; Hewson, E. W. 1968. Observed Land and Lake Breeze Circulations of the Eastern Shore of Lake Michigan. University of Michigan, Dept. of Meteorol. and Oceanogr. Tech. Rep. Ann Arbor, Michigan. 93 pp.
1543. Open Lands Project. 1969. To Prevent an Unnatural Death, Summary of Proceedings of the 1st Annual Four-State Lake Michigan Conference. Open Lands Project. Chicago, Illinois. 30 pp.

1544. Open Lands Project. 1970. Power Production and Protection of the Lake, Proceedings of the 2nd Annual Four-State Lake Michigan Conference. Open Lands Project. Chicago, Illinois. 115 pp.
1545. Orpet, R. A.; Cochran, M. C. 1976. Fish Impingement Study at Waukegan Generating Station, May 1975-April 1976. NALCO Environmental Sciences.
1546. Osterberg, C. L. 1975. Radiological Impacts of Releases from Nuclear Facilities Into Aquatic Environments: USA Views. In: Proceedings Symposium on Impacts of Nuclear Releases Into the Aquatic Environment, June 30-July 4, Ontaniemi, Finland, pp. 25-35. Internat. Atomic Energy Agency. Vienna, Austria.
1547. Osterberg, J. O.; Varakson, S. 1973. Determination of Relative Density of Sand Below Groundwater Table. Am. Soc. Test. Mater., Spec. Tech. Publ. No. 523: 364-378.
1548. Ostrom, W. A.; Ostrom, E.; Whitman, I. L. 1970. Problems for Institutional Analysis of the Great Lakes Basin. In: Proceedings 13th Conference Great Lakes Research, Part 1, pp. 156-167. Internat. Assoc. Great Lakes Res.
1549. Otto, R. G. 1975. The Effects of Once-Through Cooling on Fish Eggs and Larvae in Southwestern Lake Michigan. In: Operational Environmental Monitoring in Lake Michigan Near Zion Station, July 1974 through June 1975, Vol. IV, pp. 57-235.
1550. Otto, R. G. 1976. Thermal Effluents, Fish, and Gas-bubble Disease in Southwestern Lake Michigan. In: Esch, G. W., and McFarlane, R. W. (eds.). Thermal Ecology II, Proceedings Symposium, April 2-5, Augusta, Georgia, pp. 121-129. Energy Res. and Development Admin. Washington, D.C.
1551. Otto, R. G. (ed.). 1973. Environmental Monitoring in Lake Michigan near Zion and Waukegan Generating Stations, January-December 1972. Industrial Bio-Test Laboratories, Report to Commonwealth Edison Co., Chicago, Illinois.
1552. Otto, R. G.; Kitchel, M. A.; Rice, J. O. 1976. Lethal and Preferred Temperatures of the Alewife (*Alosa pseudoharengus*) in Lake Michigan. Trans. Am. Fish. Soc. 105(1): 96-106.
1553. Ownbey, C. R.; Willeke, G. E. 1965. Long-Term Solids Buildup in Lake Michigan Water. In: Proceedings 8th Conference Great Lakes Research, pp. 141-152. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
1554. Pacific Northwest Laboratory, Battelle Memorial Institute. 1968. Great Lakes Restoration - Review of Potentials and Recommendations for Implementation. Pacific Northwest Laboratory, Battelle Memorial Institute Research Rep. to Federal Council for Sci. and Technol., Interagency Committee on Marine Sci., Engin., and Resour. Washington, D.C. 56 pp.

1555. Paddock, R. A.; Frigo, A. A.; Van Loon, L. S. 1976. Thermal Plumes from Submerged Discharges at Zion Nuclear Power Station: Prototype Measurements and Comparisons with Model Predictions. Argonne National Laboratory, Energy and Environ. Systems Div., Water Resour. Res. Prog. Rep. No. ANL/WR-76-5. Argonne, Illinois. 230 pp.
1556. Paddock, R. A.; Policastro, A. J.; Frigo, A. A.; Frye, D. E.; Tokar, J. V. 1973. Temperature and Velocity Measurements and Predictive Model Comparison in the Nearfield Region of Surface Thermal Discharges. Argonne National Laboratory Rep. No. ANL/ES-25. Argonne, Illinois. 171 pp.
1557. Painter, W. T. 1973. Problems of Great Lakes Shore Erosion. In: Chow, V. T., Csallany, S. C., Krizek, R. J., and Preul, H. C. (eds.). Water for the Human Environment, Proceedings of the First World Congress on Water Resources, Vol. 3, Technical Sessions, pp. 40-60. Int. Water Resour. Assoc., Champaign, Illinois.
1558. Papke, G.; Harmon, G. 1976. Lake Michigan Water Quality Trends and Monitoring Programs in Illinois Waters. Northeastern Illinois Planning Commission, Staff Paper No. 11. Chicago, Illinois. 51 pp.
1559. Parker, J. I.; Conway, H. L.; Yaguchi, E. M. 1975. Dissolution of Amorphous Silicon in Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1975. ANL-75-60, Part III, pp. 58-60. Argonne, Illinois.
1560. Parker, J. I.; Conway, H. L.; Yaguchi, E. M. 1975. Seasonal Development of Phytoplankton Populations in Offshore Lake Michigan in 1975. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1975. ANL-75-60, Part III, pp. 61-64. Argonne, Illinois.
1561. Parker, J. I.; Edgington, D. N. 1975. Distribution of Diatom Frustules in Lake Michigan Sediment. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 13-18. Argonne, Illinois.
1562. Parker, J. I.; Edgington, D. N. 1976. Concentration of Diatom Frustules in Lake Michigan Sediment Cores. *Limnol. Oceanogr.* 21(6): 887-893.
1563. Parker, J. I.; Ferrante, J. G. 1975. Vertical Transport of Particulate Material in Lake Michigan by the Lorica of *Codonella cratera*. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 9-12. Argonne, Illinois.
1564. Parkos, W. G.; Olson, T. A.; Odlaug, T. O. 1969. Water Quality Studies in the Great Lakes Based on Carbon-14 Measurements on Primary Productivity. University of Minnesota, Water Resour. Res. Center Bull. No. 17. Minneapolis, Minnesota. 121 pp.
1565. Parsons, J. W. 1973. History of Salmon in the Great Lakes, 1850-1970. U.S. Fish Wildl. Serv., Bureau Sport Fish. Wildl. Tech. Pap. No. 68. 80 pp.

1566. Parsons, J. W. 1974. Striped Bass (*Morone saxatilis*): Distribution, Abundance, Biology, and Propagation in N. America and Suitability for Introduction into the Great Lakes. U.S. Bureau Sport Fish. Wildl., Great Lakes Fishery Laboratory. Ann Arbor, Michigan. 74 pp.
1567. Parsons, J. W. 1975. Compilations on Salmon and Trout of Lake Michigan. In: Minutes of the Lake Michigan Committee, Annual Report for the Year 1975, Appendix III(B), pp. 11-31. Great Lakes Fishery Comm. Ann Arbor, Michigan.
1568. Patalas, K. 1972. Crustacean Plankton and the Eutrophication of St. Lawrence Great Lakes. J. Fish. Res. Board Can. 29: 1451-1462.
1569. Patalas, K. 1975. The Crustacean Plankton Communities of Fourteen North American Great Lakes. Int. Ver. Theor. Angew. Limnol. Verh. 19: 504-511.
1570. Patriarche, M. H. 1969. Effects of Heated Discharges from Nuclear Power Plants on Fish Populations. Michigan Dept. Nat. Resour. Annual Progress Report, Dingell-Johnson Proj. No. F-32-R-1, Job. No. 3., July 1, 1968-June 30, 1969.
1571. Patriarche, M. H. 1971. Effects of Heated Discharges from Nuclear Power Plants on Fish Populations. Michigan Dept. Nat. Resour. Annual Progress Report, Dingell-Johnson Proj. No. F-28-F-4, Study No. I, July 1, 1969-June 30, 1970.
1572. Patriarche, M. H. 1972. Fish Sampling at the Palisades Power Plant Site in June 1972. In: Conf. in the Matter of Pollution of Lake Michigan and Its Tributary Basin in the States of Wisconsin, Illinois, Indiana, and Michigan, Fourth Session, Vol. III. U.S. Environmental Protection Agency. Chicago, Illinois. 27 pp.
1573. Patriarche, M. H. 1972. Fish Population Survey at Palisades, and Age and Growth of Yellow Perch. Michigan Dept. Nat. Resour. Annual Progress Report, Dingell-Johnson Proj. No. F-28-R-6, Study No. I, Job No. I-1, 2, July 1, 1970-June 30, 1971.
1574. Patriarche, M. H. 1973. Fish Population Surveys at the Palisades Power Plant in 1972. In: Consumers Power Co., Semi-Annual Operations Rep. No. 4, July 1-Dec. 31, 1972. pp. 168-170.
1575. Patriarche, M. H. 1973. Fish Population Survey at Palisades Power Plant, and Age and Growth of Yellow Perch. Michigan Dept. Nat. Resour. Annual Progress Report, Dingell-Johnson Proj. No. F-28-R-7, Study No. I, Job No. I-1, 2, July 1, 1971-June 30, 1972.
1576. Patriarche, M. H. 1974. Whitefish in Lake Michigan. In: Estimates of Biomass of Principal Species in the Great Lakes, pp. 15-20. Michigan Dept. Nat. Resour. Fish. Div., Fish. Res. Rep. No. 1813.
1577. Patriarche, M. H. 1974. Fish Population Survey at Palisades Power Plant, and Age and Growth of Yellow Perch. Michigan Dept. Nat. Resour. Annual Progress Report, Dingell-Johnson Proj. No. F-28-R-8, Study No. I, Job. No. I-1, 2, July 1, 1971-June 30, 1972.

1578. Patriarche, M. H. 1975. Reaction of Nearby Lake Michigan Fish Stocks to a Heated Discharge at the Palisades Site. Michigan Dept. Nat. Resour., Fish. Res. Rep. No. 1820. 38 pp.
1579. Patriarche, M. H. 1976. Biological Basis for Management of Lake Whitefish in the Michigan Waters of Northern Lake Michigan. Michigan Dept. Nat. Resour., Fish. Res. Rep. No. 1838. 45 pp.
1580. Patterson, D. J.; Epstein, E.; McEvoy, J. 1975. Water Pollution Investigation: Lower Green Bay and Lower Fox River. U.S. Environmental Protection Agency Rep. No. EPA-905/9-74-017. 371 pp.
1581. Patterson, T. M.; Lawhead, H. F. 1968. History and Present Status of Regulation and Regulation Studies of Water Levels and Flows on the Great Lakes. In: Proceedings Great Lakes Water Resour. Conf., June 24-26, 1968, Toronto, Ontario, pp. 201-228. Engin. Institute of Canada and Am. Soc. Civil Engin.
1582. Paul, J. F.; Lick, W. J. 1974. A Numerical Model for Thermal Plumes and River Discharges. In: Proceedings 17th Conference Great Lakes Research, Part 1, pp. 445-455. Internat. Assoc. Great Lakes Res.
1583. Pavia, R. A. 1973. Water Supply and Sewer System for the City of Chicago. In: Chow, V. T., Csallany, S. C., Krizek, R. J., and Preul, H. C. (eds.). Water for the Human Environment, Proceedings of the First World Congress on Water Resources, Vol. 3, Technical Sessions, pp. 360-367. Int. Water Resour. Assoc., Champaign, Illinois.
1584. Payne, A. G. 1973. Environmental Testing of Citrate: Bioassays for Algal Stimulation. In: Proceedings 16th Conference Great Lakes Research, pp. 100-115. Internat. Assoc. Great Lakes Res.
1585. Peck, J. W. 1971. Migration, Food Habits, and Predators of Yearling Coho Salmon in Whitefish River and Little Bay de Noc. Michigan Dept. Nat. Resour., Fish. Res. Rep. No. 1778; and Res. and Develop. Rep. No. 238. 18 pp.
1586. Peck, J. W. 1974. Location of Lake Trout Spawning in Lakes Michigan and Superior. In: Dingell-Johnson Annual Report F-31-R-8, pp. 255-262. Michigan Dept. Nat. Resour., Fish. Div. Lansing, Michigan.
1587. Peck, J. W. 1974. Find Areas of Lake Trout Spawning in Lake Michigan and Lake Superior and Assess Homing. Michigan Dept. Nat. Resour. Annual Progress Report, Dingell-Johnson Proj. No. F-31-R-8, Study No. V, Job. No. 1, July 1, 1973-June 30, 1974.
1588. Peck, J. W. 1974. Migration, Food Habits, and Predation on Yearling Coho Salmon in a Lake Michigan Tributary and Bay. Trans. Am. Fish. Soc. 103(1): 10-14.
1589. Peck, J. W. 1975. Location of Lake Trout Spawning in Lake Superior and Lake Michigan. Michigan Dept. Nat. Resour. Annual Progress Report, Dingell-Johnson Proj. No. F-35-R-1, Study No. V, July 1, 1974-June 30, 1975.

1590. Peck, J. W. 1976. Location of Lake Trout Spawning in Lake Superior and Lake Michigan. Michigan Dept. Nat. Resour. Annual Progress Report, Dingell-Johnson Proj. No. F-35-R-2, Study No. V, July 1, 1975-June 30, 1976.
1591. Pecor, C. 1969. Coho Salmon Mortality and DDT in Lake Michigan. Wildl. Manag. Institute, Paper. Washington, D.C. 8 pp.
1592. Peebles, C. S.; Black, D. B. 1976. The Distribution and Abundance of Archaeological Sites in the Coastal Zone of Michigan. Michigan Dept. Nat. Resour. Lansing, Michigan. 226 pp.
1593. Pentecost, E. D.; Vogt, R. C. 1976. Environmental Status of the Lake Michigan Region, Vol. 16. Amphibians and Reptiles of the Lake Michigan Drainage Basin. Argonne National Laboratory Rep. No. ANL/ES-40, Vol. 16. Argonne, Illinois. 69 pp.
1594. Pentland, R. L. 1968. Runoff Characteristics in the Great Lakes Basin. In: Proceedings 11th Conference Great Lakes Research, pp. 326-359. Internat. Assoc. Great Lakes Res.
1595. See 1594.
1596. Pentland, R. L.; Eryuzler, N. E. 1969. A Dynamic Programming Algorithm for the Operation of the Great Lakes. Canada Dept. of Energy, Mines, and Resour., Inland Waters Branch, Reprint Ser. No. 53.
1597. Perkins, J. P. 1964. A Ship's Officer Finds 17 Flyways Over the Great Lakes. Audubon Magazine 66(5): 294-299.
1598. Perkins, J. P. 1965. 17 Flyways Over the Great Lakes--Part II. Audubon Magazine 67: 42-45.
1599. Perlow, G. J.; Potzel, W.; Edgington, D. N. 1974. Serial Study of Lake Michigan Sediments by Fe-57 Mossbauer Spectroscopy. J. Phys. (Paris). Colloq. C6 Suppl. 12. Tome 35: 547-548.
1600. Petersen, M. L. 1963. Weekend for the Gulls. Iowa Bird Life 33(3): 70-71.
1601. Peterson, M. L.; Clay, C. S.; Brandt, S. B. 1976. Acoustic Estimates of Fish Density and Scattering Function. J. Acoust. Soc. Am. 60(3): 618-622.
1602. Peterson, S. R. 1976. Variation in Oldsquaw rectrix Numbers. Auk 93(1): 190-192.
1603. Peterson, S. R.; Ellarson, R. S. 1975. Incidence of Body Shot in Lake Michigan Oldsquaws. J. Wildl. Manage. 39(1): 217-219.

1604. Peterson, S. R.; Ellarson, R. S. 1976. Total Mercury Residues in Livers and Eggs of Oldsquaws. *J. Wildl. Manage.* 40(4): 704-709; and University of Wisconsin Sea Grant Program Reprint No. WIS-SG-77-375. Madison, Wisconsin.
1605. Petterssen, S. 1960. Some Weather Influences Due to Warming of the Air by the Great Lakes in Winter. In: *Proceedings 3rd Conference Great Lakes Research*, pp. 9-20. University of Michigan, Great Lakes Res. Div., Pub. No. 4. Ann Arbor, Michigan.
1606. Peyton, T. O. 1975. The Input and Distribution of Aerially Deposited Heavy Metals in an Urban Aquatic Ecosystem. Ph.D. thesis. Purdue University. West Lafayette, Indiana. 272 pp.
1607. Pezzetta, J. M. 1974. Sedimentation Off the Kewaunee Nuclear Power Plant. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-74-221. 60 pp.
1608. Pezzetta, J. M. 1975. Sedimentation in Lower Green Bay. *Int. Ver. Theor. Angew. Limnol. Verh.* 19: 123-132.
1609. Pezzetta, J. M.; Iskandar, I. K. 1976. Sediment Characteristics in the Vicinity of the Pulliam Power Plant, Green Bay, Wisconsin. *Environ. Geol.* 1(3): 155-165.
1610. Phillips, D. W.; McCulloch, J. A. W. 1972. The Climate of the Great Lakes Basin. *Environ. Can. Climatol. Studies* No. 20. Toronto, Ontario. 40 pp. + Maps.
1611. Piala, J. M.; Lambie, M. O. 1971. Field Sampling Program, Project VII, Part A. Phytoplankton. Industrial Bio-Test Laboratories. Northbrook, Illinois. 39 pp.
1612. Piavis, G. W.; Howell, J. H.; Smith, A. J. 1970. Experimental Hybridization among Five Species of Lampreys from the Great Lakes. *Copeia* 1970: 29-37.
1613. Piehler, G. R. 1967. Age and Growth of the Common Whitefish, '*Coregonus clupeaformis*' (Mitchill), of Northern Lake Michigan and Bay de Noc Areas. NOAA Rep. No. NOAA-72021123. 105 pp.; and Master's thesis. Michigan State University, and NTIS Rep No. COM-72-10293.
1614. Pilgrim, P. C. 1975. Computer Simulation in the Analysis of Surface Current Drifter Data. Michigan Sea Grant Program Rep. No. MICHU-SG-75-204; and University of Michigan, Logic of Computers Group Rep. No. 189. Ann Arbor, Michigan. 289 pp.
1615. Pincus, H. J. 1962. Recession of Great Lakes Shorelines. In: Pincus, H. J. (ed.). *Great Lakes Basin*, pp. 123-137. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
1616. Pincus, H. J. (ed.). 1962. *Great Lakes Basin*. Am. Soc. Adv. Sci. Pub. No. 71. Washington, D.C. 308 pp.

1617. Pinsak, A. P. 1975. Federal Agency Programs: NOAA--Department of Commerce. In: Proceedings of the Recession Rate Workshop, pp. 55-63. Great Lakes Basin Commission. Ann Arbor, Michigan.
1618. Pinsak, A. P. 1976. Physical Characteristics. In: Great Lakes Basin Framework Study, Appendix 4. Limnology of Lakes and Embayments, pp. 27-69. Great Lakes Basin Commission. Ann Arbor, Michigan.
1619. Pinsak, A. P. (ed.). 1975. Proceedings of a Workshop on Great Lakes Environmental Research Initiatives. NOAA Great Lakes Environmental Research Lab. Ann Arbor, Michigan. 129 pp.
1620. Piper, R. J. 1975. The Illinois Coastal Zone Management Program: First Year Work Product, Volume III. Land-Use and Public Ownership Data Gathering and Analysis. NOAA Rep. No. NOAA-76013010, and NTIS Rep. No. PB-258 735/OSL. 253 pp.
1621. Plato, P. A. 1972. Distribution of Cesium-137 and Naturally Occurring Radionuclides in Sediments of Lake Michigan. Radiat. Data Rep. 13(4): 181-187.
1622. Plato, P. A. 1974. Use of Rivers to Predict Accumulation in Sediment of Radionuclides Discharged from Nuclear Power Stations. Health Phys. 26(6): 489-496.
1623. Plato, P. A.; Gelskey, D. E. 1972. The Use of Field Instruments in the Operation of Environmental Surveys Around Nuclear Power Plants. In: Scales, J. W. (ed.). Water Quality Instrumentation, Vol. I, pp. 176-183. Selected Papers from Intl. Symposium. Inst. Soc. Amer., Pittsburgh, Penn.
1624. Plato, P. A.; Goldman, G. C. 1972. Use of Fallout Cesium-137 as a Tracer to Define the Recent Deltaic Facies of a River. Radiat. Data Rep. 13(12): 653-57.
1625. Plato, P. A.; Jacobson, A. P. 1976. Cesium-137 in Lake Michigan Sediments: Areal Distribution and Correlation with Other Man-Made Materials. Environ. Pollut. 10(1): 19-34.
1626. Platzman, G. W. 1960. A Numerical Computation of the Surge of 26 June 1954 on Lake Michigan. In: Proceedings 3rd Conference Great Lakes Research, pp. 21-26. University of Michigan, Great Lakes Res. Div., Pub. No. 4. Ann Arbor, Michigan.
1627. Platzman, G. W. 1965. The Prediction of Surges in the Southern Basin of Lake Michigan. Part I. The Dynamical Basis for Prediction. Mon. Weather Rev. 93: 275-281.
1628. Platzman, G. W. 1972. Two-Dimensional Free Oscillations in Natural Basins. J. Phys. Oceanogr. 2(2): 117-138.
1629. Poff, R. J. 1974. Wisconsin's Lake Michigan Commercial Fisheries 1940-1973. Wisconsin Dept. Nat. Resour., Fish Manag. Section, Rep. No. 75.

1630. Poff, R. J.; Degurse, P. E. 1970. Survey of Pesticide Residues in Great Lakes Fish. Wisconsin Dept. Nat. Resour., Bureau of Fish Manag., Tech. Rep. No. 34. 17 pp. + Tables.
1631. Poff, R. J.; Threinen, C. W. 1965. Surface Water Resources of Door County. Wisconsin Conserv. Dept. Madison, Wisconsin. 66 pp.
1632. Polakowski, K. J. 1970. Shoreland Planning in the Great Lakes Basin and Selected Coastal Zones of the United States. Michigan Sea Grant Program Rep. No. MICHU-SG-70-202. Ann Arbor, Michigan.
1633. Polcyn, F. C.; Brown, W. L.; Sattinger, I. J. 1967. The Measurement of Water Depth By Remote Sensing Techniques. NTIS Rep. No. AD-714 001. 48 pp.
1634. Policastro, A. J. 1972. Heated Effluent Dispersion in Large Lakes: State-of-the-Art of Analytical Modeling, Surface and Submerged Discharges. In: Water Quality Considerations: Siting and Operating of Nuclear Power Plants, Conf. Proceedings, October 1-4, 1972. Washington, D.C. Atomic Industrial Forum, Inc. New York, New York.
1635. Policastro, A. J. 1972. State of the Art of Analytical Modeling of Heated Effluent Dispersion in Large Lakes. In: Proceedings 15th Conference Great Lakes Research, pp. 642-654. Internat. Assoc. Great Lakes Res.
1636. Policastro, A. J. 1975. Analysis of Three Years' Complete Field-Temperature Data from Different Sites of Heated Surface Discharges into Lake Michigan. In: Proceedings Conf. on Environmental Effects of Cooling Systems at Nuclear Power Plants, Oslo, Norway, pp. 249-309. Internat. Atomic Energy Agency. Vienna, Austria.
1637. Policastro, A. J.; Tokar, J. V. 1972. Heated Effluent Dispersion in Large Lakes: State-of-the-Art of Analytical Modeling. Part 1. Critique of Model Formulations. Argonne National Laboratory Rep. No. ANL/ES-11. Argonne, Illinois.
1638. Pore, N. A.; McClelland, J. M.; Barrientos, C. S.; Kennedy, W. E. 1971. Wave Climatology for the Great Lakes. NOAA Tech. Memo. NWS-TDL-40. 61 pp.
1639. Porteous, R. C. 1972. A Review of the Water Quality and the Monitoring Procedures at the Winnetka Beaches. Winnetka Environ. Council. Winnetka, Illinois. 54 pp.
1640. Portman, D. J.; Elder, F. C.; Ryznar, E. 1961. Research on Energy Exchange Processes (Summer 1960). In: Proceedings 4th Conference Great Lakes Research, pp. 96-109. University of Michigan, Great Lakes Res. Div., Pub. No. 7. Ann Arbor, Michigan.
1641. Poston, H. W. 1960. The U.S. Public Health Service and the Great Lakes. In: Proceedings 3rd Conference Great Lakes Research, pp. 135-141. University of Michigan, Great Lakes Res. Div., Pub. No. 4. Ann Arbor, Michigan.

1642. Poston, H. W. 1961. The Great Lakes--Illinois Waterway Basins Comprehensive Water Pollution Control Project. In: Proceedings 4th Conference Great Lakes Research, pp. 57-63. University of Michigan, Great Lakes Res. Div., Pub. No. 7. Ann Arbor, Michigan.
1643. Poston, H. W. 1962. Great Lakes Water Supply-The Years Ahead. In: Pincus, H. J. (ed.). Great Lakes Basin, pp. 291-300. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
1644. Poston, H. W. 1968. Water Pollution in the Great Lakes Basin. *Limnos* 1(1): 6-11.
1645. Poston, H. W.; Ownbey, C. R. 1968. The Great Lakes Water Resources. *J. Am. Water Works Assoc.* 60: 15-20.
1646. Powers, C. F.; Ayers, J. C. 1960. Water Transport Studies in the Straits of Mackinac Region of Lake Huron. *Limnol. Oceanogr.* 5: 81-85.
1647. Powers, C. F.; Ayers, J. C. 1967. Water Quality and Eutrophication Trends in Southern Lake Michigan. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 142-178. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
1648. Powers, C. F.; Ayers, J. C.; Alley, W. P. 1967. Some Preliminary Observations on the Depth Distribution of Macrobenthos in Lake Michigan. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 112-125. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
1649. Powers, C. F.; Robertson, A. 1965. Some Quantitative Aspects of the Macrobenthos of Lake Michigan. In: Proceedings 8th Conference Great Lakes Research, pp. 153-159. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
1650. Powers, C. F.; Robertson, A. 1966. The Aging Great Lakes. *Sci. Am.* 215(5): 94-104.
1651. Powers, C. F.; Robertson, A. 1967. Design and Evaluation of an All-purpose Benthos Sampler. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 126-131. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
1652. Powers, C. F.; Robertson, A. 1967. Zonation of the Benthic Environment in Lake Michigan. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 78-95. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
1653. Powers, C. F.; Robertson, A. 1968. Biological Exploration in Lake Michigan from a Research Submarine. In: Proceedings 11th Conference Great Lakes Research, pp. 117-123. Internat. Assoc. Great Lakes Res.

1654. Powers, C. F.; Robertson, A. 1968. Subdivisions of the Benthic Environment of the Upper Great Lakes, with Emphasis on Lake Michigan. J. Fish. Res. Board Can. 25(6): 1181-1197.
1655. Powers, C. F.; Robertson, A.; Czaika, S. C.; Alley, W. P. 1967. Lake Michigan Biological Data, 1964-66. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 179-227. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
1656. Powers, W. E. 1962. Drainage and Climate. In: Pincus, H. J. (ed.). Great Lakes Basin, pp. 29-40. Am Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
1657. Powers, W. F.; Canale, R. P. 1976. Some Applications of Optimization Techniques to Water Quality Modeling and Control. Michigan Sea Grant Program Rep. No. MICHU-SG-76-304. Ann Arbor, Michigan; and IEEE Transactions. on Systems, Man and Cybernetics, Vol. SMC-5, No. 3. 10 pp.
1658. Prepejchal, W.; Haumann, J.; Spigarelli, S. A. 1975. Developments in Underwater Radiotelemetry and Preliminary Fish Tracking in Thermal Plumes. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 128-132. Argonne, Illinois.
1659. Prepejchal, W.; Romberg, G. P.; Spigarelli, S. A. 1975. Effects of Season, Location, and Discharge Type on Fish Distribution and Density in Thermal Plumes. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 150-154. Argonne, Illinois.
1660. Prepejchal, W.; Thommes, M. M.; Spigarelli, S. A.; Romberg, G. P. 1975. Temperature Selection and Avoidance Behavior of Salmonids. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1975. ANL-75-60, Part III. pp. 87-89. Argonne, Illinois.
1661. Price, B.; Kelly, T. M. 1976. Fishes of the Grand Traverse Bay Region. Michigan Sea Grant Program Rep. No. MICHU-SG-76-100. Ann Arbor, Michigan. 54 pp.
1662. Pycha, R. L. 1961. Recent Changes in the Walleye Fishery of Northern Green Bay and History of the 1943 Year Class. Trans. Am. Fish. Soc. 90: 475-488.
1663. Quigley, R. M. 1976. Processes of Bluff Recession-A Discussion: Introductory Statement. In: Rukavina, N. A. (ed.). Proceedings of a Workshop on Great Lakes Coastal Erosion and Sedimentation, Nov. 29-30, 1976, pp. 101-106. Canada Centre for Inland Waters. Burlington, Ontario.
1664. Quinlan, D. W. 1968. Conflicts Arising from the Use of Shore Property of the Great Lakes. In: Proceedings Great Lakes Water Resources Conf., June 24-26, 1968, Toronto, Ontario, pp. 145-154. Engin. Institute of Canada and Am. Soc. Civil Engin.

1665. Quinn, F. H. 1964. Stage Fall Discharge Equations for the Connecting Channels of the Great Lakes. In: Proceedings 7th Conference Great Lakes Research, pp. 267-282. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
1666. Quinn, F. H. 1971. Quantitative Dynamic Mathematical Models for Great Lakes Research. Ph.D. thesis. University of Michigan. 141 pp.
1667. Quinn, F. H. 1973. Effects of Ice Retardation on Great Lakes Water Levels. In: Proceedings 16th Conference Great Lakes Research, pp. 549-555. Internat. Assoc. Great Lakes Res.
1668. Quinn, F. H. 1975. Lake Michigan Beginning-of-Month Water Levels and Monthly Rates of Change of Storage. NOAA Tech. Rep. ERL 326-GLERL 2. Great Lakes Environmental Research Lab. Ann Arbor, Michigan. 32 pp.
1669. Quinn, F. H. 1976. Hydrologic Forecasting. NOAA Great Lakes Environmental Research Lab., Final Rep. on Task 7.8. Ann Arbor, Michigan.
1670. Quinn, F. H. 1976. Pressure Effects on Great Lakes Vertical Control. J. Survey. Mapp. Div., Am. Soc. Civil Engin. 102: 31-37.
1671. Rae, J. D. 1967. Great Lakes Commodity Trade, 1850 to 1900. Ph.D. thesis. Purdue University.
1672. Ragotzkie, R. A. 1970. Wisconsin Sea Grant. Limnos 3(2): 9-12.
1673. Ragotzkie, R. A. 1974. The Great Lakes Rediscovered. Am. Sci. 64: 454-464.
1674. Rainey, R. H. 1967. Natural Displacement of Pollution from the Great Lakes. Science 155: 1242-1243.
1675. Rains, J. H. 1971. Macrobenthos Population Dynamics in Indiana Waters of Lake Michigan in 1970. Master's thesis. Ball State University. 78 pp.
1676. Raney, E. C. 1972. Remarks on Heated Discharges and Fishes in Southwestern Lake Michigan in the Vicinity of the Zion Nuclear Power Station. In: Conf. in the Matter of Pollution of Lake Michigan and Its Tributary Basin in the States of Wisconsin, Illinois, Indiana, and Michigan, Fourth Session, Vol. III. U.S. Environmental Protection Agency. Chicago, Illinois.
1677. Rao, D. B.; Mortimer, C. H.; Schwab, D. J. 1976. Surface Normal Modes of Lake Michigan: Calculations Compared with Spectra of Observed Water Level Fluctuations. J. Phys. Oceanogr. 6: 575-588.
1678. Rao, D. B.; Schwab, D. J. 1976. Free Oscillations of Lake Michigan. NOAA Great Lakes Environmental Research Lab., Final Rep. on Task 2.2. Ann Arbor, Michigan.

1679. Raphael, C. N.; Jaworski, E.; Ojala, C. F.; Turner, D. S. 1974. Future Dredging Quantities in the Great Lakes. U.S. Environmental Protection Agency, Ecological Research Series No. EPA-660/3-74-029. Corvallis, Oregon. 219 pp.
1680. Rasmussen, G. A. 1973. A Study of the Feedings Habits of Four Species of Fish, *Alosa pseudoharengus*, *Coregonus hoyi*, *Perca flavescens*, and *Osmerus mordax*, at Three Sites on Lake Michigan, as Compared to the Zooplankton, Phytoplankton and Water Chemistry of those Sites. Ph.D. thesis. Michigan State University. 104 pp.
1681. Rastonis, S. V. 1976. A Methodology for the Design of a Comprehensive Coordinated Monitoring Program for the Great Lakes. Master's thesis. Illinois Institute of Technology.
1683. Regier, H. A. 1966. A Perspective on Research on the Dynamics of Fish Populations in the Great Lakes. *Prog. Fish-Cult.* 28:3-18.
1684. Regier, H. A. 1968. Concepts of Species Segregation and Desegregation Related to Great Lakes Fishery Management. In: *Proceedings 11th Conference Great Lakes Research*, pp. 124-129. Internat. Assoc. Great Lakes Res.
1685. Reigle, N. J., Jr. 1967. The Occurrence of *Necturus* in the Deeper Water of Green Bay. *Herpetologia* 23(3): 232-233.
1686. Reigle, N. J., Jr. 1967. An Occurrence of *Anodonta* (Mollusca, Pelecypoda) in Deepwater. *Am. Midl. Nat.* 78(2): 530-533.
1687. Reigle, N. J., Jr. 1969. Bottom Trawl Explorations in Northern Lake Michigan, 1963-1965. U.S. Fish Wildl. Serv. Circ. 318. 21 pp.
1688. Reigle, N. J., Jr. 1969. Bottom Trawl Explorations in Green Bay of Lake Michigan, 1963-1965. U.S. Fish Wildl. Serv. Circ. 297. 14 pp.
1689. Reigle, N. J., Jr. 1969. Bottom Trawl Exploration in Southern Lake Michigan, 1962-65. U.S. Fish Wildl. Serv. Circ. 301. 35 pp.
1690. Reinert, R. E. 1969. Insecticides and the Great Lakes. *Limnos* 2(3): 3-9.
1691. Reinert, R. E. 1970. Pesticide Concentrations in Great Lakes Fish. *Pestic. Monit. J.* 3(4): 233-240.
1692. Reinert, R. E.; Bergman, H. L. 1974. Residues of DDT in Lake Trout (*Salvelinus namaycush*) and Coho Salmon (*Oncorhynchus kisutch*) from the Great Lakes. *J. Fish. Res. Board Can.* 31(2): 191-199.
1693. Reinert, R. E.; Stewart, D. J.; Seagran, H. L. 1972. Effects of Dressing and Cooking on DDT Concentrations in Certain Fish from Lake Michigan. *J. Fish. Res. Board Can.* 29(5): 525-529.
1694. Reshkin, M.; Feldman, H.; Kiefer, W.; Keckeler, C. A. 1975. Basic Ecosystem Studies of the Indiana Dunes National Lakeshore. U.S. Dept. of the Interior, Indiana Dunes National Lakeshore. 538 pp.

1695. Resio, D. T.; Vincent, C. L. 1976. Design Wave Information for the Great Lakes. Report 3, Lake Michigan. U.S. Army Corps of Engineers, Waterways Experiment Station Tech. Rep. No. H-76-1. Vicksburg, Mississippi. NTIS AD-A036 029.
1696. Reynolds, J. B.; DeGraeve, G. M. 1971. Seasonal Population Characteristics of the Opossum Shrimp, *Mysis relicta*, in Southeastern Lake Michigan, 1970-1971. U.S. Bureau Sport Fish. Wildl. Ann Arbor, Michigan.
1697. Reynolds, J. B.; DeGraeve, G. M. 1972. Seasonal Population Characteristics of the Opossum Shrimp, *Mysis relicta*, in Southeastern Lake Michigan, 1970-71. In: Proceedings 15th Conference Great Lakes Research, pp. 117-131. Internat. Assoc. Great Lakes Res.
1698. Rhodes, R. J. 1971. The Food Habits of the Alewife in Indiana Waters of Lake Michigan in 1970. NOAA Rep. No. NOAA-75031002. 103 pp.
1699. Rhodes, R. J.; McComish, T. S. 1975. Observations on the Adult Alewife's Food Habits, (Pisces: Clupeidae: *Alosa pseudoharengus*) in Indiana's Waters of Lake Michigan in 1970. Ohio J. Sci. 75(1): 50-55.
1700. Rhodes, R. J.; Webb, D. A.; McComish, T. S. 1974. Cannibalism by the Adult Alewife (*Alosa pseudoharengus*) in Southern Lake Michigan. In: Proceedings 17th Conference Great Lakes Research, Part 1, pp. 593-595. Internat. Assoc. Great Lakes Res.
1701. Richter, M. A. 1976. A Digital Analysis of Flexural Waves Propagating in Freshwater Lake Ice. Master's thesis. University of Wisconsin-Milwaukee.
1702. Ricker, W. E.; Loftus, K. H. 1968. Pacific Salmon Move East. In: Fish. Couc. Can. Annu. Rev., pp. 37-39, 43.
1703. Risley, C., Jr. 1963. Radioactivity Levels in Lake Michigan: A Preliminary Report. In: Proceedings 6th Conference Great Lakes Research, pp. 124-133. University of Michigan, Great Lakes Res. Div., Pub. No. 10. Ann Arbor, Michigan.
1704. Risley, C., Jr. 1965. Radioactivity in Lake Michigan and Its Tributaries. In: Proceedings 8th Conference Great Lakes Research, pp. 160-167. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
1705. Risley, C., Jr.; Fuller, F. D. 1965. Chemical Characteristics of Lake Michigan. In: Proceedings 8th Conference Great Lakes Research, pp. 168-174. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
1706. Risley, C., Jr.; Fuller, F. D. 1966. Chemical Findings from Pollution Studies in the Calumet Area of Indiana and Illinois and the Adjacent Waters of Lake Michigan. In: Proceedings 9th Conference Great Lakes Research, pp. 423-429. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.

1707. Rizzo, K. R. 1975. Determining the Mixing Depth Climatology Using an Acoustic Sounder in a Lakeshore Environment. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 28. Milwaukee, Wisconsin. 78 pp.; and Master's thesis. University of Wisconsin-Milwaukee. 77 pp.
1708. Robbins, J. A. 1976. Patterns of Deposition of Radionuclides in Sediments. In: Nonbiological Transport and Transformation of Pollutants on Land and Water: Processes and Critical Data Required for Predictive Description. 13 pp.
1709. Robbins, J. A.; Callender, E. 1975. Diagenesis of Manganese in Lake Michigan Sediments. *Am. J. Sci.* 275: 512-533.
1710. Robbins, J. A.; Callender, E.; Wahlgren, M. A.; Edgington, D. N. 1972. Environmental Chemistry: Grand River Studies. In: Argonne National Laboratory Radiol. Physics Div. Annual Report, Jan.-Dec., 1971. ANL-7860, Part III, pp. 80-100. Argonne, Illinois.
1711. Robbins, J. A.; Edgington, D. N. 1972. The Use of Natural and Fallout Radionuclides to Measure Recent Sedimentation Rates in Southern Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1972. ANL-7960, Part III, pp. 31-53. Argonne, Illinois.
1712. Robbins, J. A.; Edgington, D. N. 1974. The Distribution of Trace Elements in the Clay-Silt Sediments Off Grand Haven. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1973. ANL-8060, Part III, pp. 77-84. Argonne, Illinois.
1713. Robbins, J. A.; Edgington, D. N. 1975. Stable Lead Geochronology of Fine-Grained Sediments in Southern Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 32-39. Argonne, Illinois.
1714. Robbins, J. A.; Edgington, D. N. 1975. Depositional Processes and the Determination of Recent Sedimentation Rates in Lake Michigan. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 378-390. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
1715. Robbins, J. A.; Edgington, D. N. 1975. Determination of Recent Sedimentation Rates in Lake Michigan Using Lead-210 and Cesium-137. *Geochim. Cosmochim. Acta* 39(3): 285-304.
1716. Robbins, J. A.; Edgington, D. N.; Gustinis, J.; Karttunen, J. O. 1975. Geochronology of Lake Michigan Sediments: Anomalies in Lead-210 Distribution. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 40-50. Argonne, Illinois.
1717. Robbins, J. A.; Edgington, D. N.; Parker, J. I. 1975. Distribution of Amorphous, Diatom Frustule, and Dissolved Silica In a Lead-210 Dated Core from Southern Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 19-31. Argonne, Illinois.

1718. Robbins, J. A.; Landstrom, E.; Wahlgren, M. A. 1972. Tributary Inputs of Soluble Trace Metals to Lake Michigan. In: Proceedings 15th Conference Great Lakes Research, pp. 270-290. Internat. Assoc. Great Lakes Res.
1719. Robbins, J. A.; Remmert, K.; Edgington, D. N. 1976. Regeneration of Silicon from Sediments of the Great Lakes. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976. ANL-76-88, Part III, pp. 82-86. Argonne, Illinois.
1720. Robbins, S. G.; Hohn, M. H. 1972. Effects of Post-Glacial Lakes on Fox Lake, Beaver Island, Michigan, Based on Analysis of the Fossil Diatom Flora. Mich. Acad. 4(3): 349-358.
1721. Robert B. Teska Associates. 1976. A Work Program for the Allocation of Water From Lake Michigan. Illinois Dept. of Transportation, Div. of Water Resour. Prepared by Robert B. Teska Associates. 90 pp.
1722. Robertson, A. 1966. The Distribution of Calanoid Copepods in the Great Lakes. In: Proceedings 9th Conference Great Lakes Research, pp. 129-139. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.
1723. Robertson, A. 1967. A Note on the Sphaeriidae of Lake Michigan. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 132-135. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
1724. Robertson, A. 1968. Abundance, Distribution, and Biology of Plankton in Lake Michigan, with the Addition of a Research Ships of Opportunity Project. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 35. Ann Arbor, Michigan. 43 pp.
1725. Robertson, A. 1975. Plankton-Mediated Transport of Energy-Related Pollutants. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 351-360. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
1726. Robertson, A. 1976. IFYGL Chemical Intercomparison. NOAA Great Lakes Environmental Research Lab., Final Rep. on Task 6.4. Ann Arbor, Michigan.
1727. Robertson, A.; Alley, W. P. 1966. A Comparative Study of Lake Michigan Macroenthos. Limnol. Oceanogr. 11(4): 576-583.
1728. Robertson, A.; Powers, C. F. 1965. Particulate Organic Matter in Lake Michigan. In: Proceedings 8th Conference Great Lakes Research, pp. 175-181. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.

1729. Robertson, A.; Powers, C. F. 1967. Comparison of the Distribution of Organic Matter in the Five Great Lakes. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 1-18. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
1730. Robertson, A.; Powers, C. F. 1968. The Distribution of Organic Nitrogen in Lake Michigan. Papers Mich. Acad. Sci. 53: 137-151.
1731. Robertson, A.; Powers, C. F.; Anderson, R. F. 1968. Direct Observations on Mysis relicta from a Submarine. Limnol. Oceanogr. 13(4): 700-702.
1732. Robertson, A.; Powers, C. F.; Rose, J. 1971. Distribution of Chlorophyll and Its Relation to Particulate Organic Matter in the Offshore Waters of Lake Michigan. In: Proceedings 14th Conference Great Lakes Research, pp. 90-101. Internat. Assoc. Great Lakes Res.
1733. Robinson, D. G. 1974. A Qualitative Survey of Periphytic Diatoms in the Vicinity of the Donald C. Cook Nuclear Power Plant. In: Seibel, E., and Ayers, J. C. (eds.). The Biological, Chemical, and Physical Character of Lake Michigan in the Vicinity of the Donald C. Cook Nuclear Plant, pp. 179-206. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 51. Ann Arbor, Michigan.
1734. Robinson, R. D. 1973. Age, Growth, and Sex Composition of the American Smelt, *Osmerus mordax* (Mitchell), from along the Western Shore of Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee. 50 pp.
1735. Robinson, R. D.; Norden, C. R. 1973. Age, Growth, and Sex Composition of the American Smelt, *Osmerus mordax* (Mitchell), from Along the Western Shore of Lake Michigan. NOAA Rep. No. NOAA-75013101; and NTIS Rep. No. COM-75-1029/7SL. 73 pp.
1736. Robohm, R. A.; Graikoski, J. T. 1966. Variables Affecting Enumeration of Bacteria in Lake Michigan Waters and Sediments. In: Proceedings 9th Conference Great Lakes Research, pp. 140-146. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.
1737. Rockwell, D. C. 1966. Theoretical Free Oscillations of the Great Lakes. In: Proceedings 9th Conference Great Lakes Research, pp. 352-368. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan; and Master's thesis. University of Chicago. 84 pp.
1738. Rodgers, G. K. 1965. The Thermal Bar in the Laurentian Great Lakes. In: Proceedings 8th Conference Great Lakes Research, pp. 358-363. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
1739. Rodgers, G. K. 1969. Temperature and Currents in the Great Lakes. In: Anderson, D. V. (ed.). The Great Lakes as an Environment, Rep. 39, pp. 36-50. University of Toronto, Great Lakes Institute. Toronto, Ontario.

1740. Rofritz, D. J. 1972. Ecological Investigations on Waterfowl Wintering in the Milwaukee Embayment. Master's thesis. University of Wisconsin-Milwaukee. 61 pp.
1741. Rogers, J. C. 1976. Evaluation of Techniques for Long Range Forecasting of Air Temperature and Ice Formation. NOAA Tech. Memo. ERL GLERL-8. Great Lakes Environmental Research Lab. Ann Arbor, Michigan.
1742. Rogers, J. C. 1976. Long Range Forecasting of Maximum Ice Extent on the Great Lakes. NOAA Tech. Memo. ERL GLERL-7. Great Lakes Environmental Research Lab. Ann Arbor, Michigan.
1743. Rolan, R. G.; Skoch, E. J. 1972. Biological Characteristics. In: Great Lakes Basin Framework Study, Appendix 4. Limnology of Lakes and Embayments, pp. 239-322. Great Lakes Basin Commission. Ann Arbor, Michigan.
1744. Romberg, G. P.; Prepejchal, W. 1971. Observations of Fish at the Point Beach Nuclear Plant. In: Argonne National Laboratory, Radiol. Physics Div. Annual Report Jan.-Dec., 1971, ANL-7860, Part III, pp. 118-120. Argonne, Illinois.
1745. Romberg, G. P.; Prepejchal, W. 1975. Characteristics of Temperature-Sensitive Fish Tags Used in 1974. In: Argonne National Laboratory, RER Div. Annual Report, No. ANL-75-3, Part III, pp. 155-160. Argonne, Illinois.
1746. Romberg, G. P.; Prepejchal, W. 1975. Thermal Discharge Residence by Lake Michigan Salmonids. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1975, ANL-75-60, Part III, pp. 78-80. Argonne, Illinois.
1747. Romberg, G. P.; Prepejchal, W. 1975. Discharge Residence of TLD Tagged Fish. In: Argonne National Laboratory, RER Div. Annual Report, No. ANL-75-3, Part III, pp. 161-163. Argonne, Illinois.
1748. Romberg, G. P.; Prepejchal, W.; Nelson, D. M. 1971. Thermal Plume Measurements. In: Proceedings 14th Conference Great Lakes Research, pp. 625-639. Internat. Assoc. Great Lakes Res.
1749. Romberg, G. P.; Prepejchal, W.; Oltman, B. G.; Eckerman, K. F. 1972. Fish Tagging Studies at the Point Beach Nuclear Power Plant, Part I. Experimental Temperature Sensitive Fish Tags. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1972, ANL-7960, Part III, pp. 71-82. Argonne, Illinois.
1750. Romberg, G. P.; Spigarelli, S. A. 1971. Acoustic Location Techniques to Study the Distribution of Fish in the Vicinity of a Thermal Plume. In: Argonne National Laboratory, Radiol. Physics Div. Annual Report, Jan.-Dec., 1971. ANL-7860, Part III, pp. 121-130. Argonne, Illinois.

1751. Romberg, G. P.; Spigarelli, S. A. 1973. Seasonal Variation in Species Composition and Abundance of Fish at the Point Beach Nuclear Plant between March and November 1973. In: Argonne National Laboratory, RER Div. Annual Report, ANL-8060, Part III, pp. 104-112. Argonne, Illinois.
1752. Romberg, G. P.; Spigarelli, S. A.; Prepejchal, W.; Thommes, M. M. 1974. Fish Behavior at a Thermal Discharge into Lake Michigan. In: Gibbons, J. W., and Sharitz, R. R. (eds.). Thermal Ecology, Proceedings Symposium, May 3-5, 1973, Augusta, Georgia, pp. 296-312. U.S. Atomic Energy Commission. Oak Ridge, Tennessee.
1753. Romberg, G. P.; Spigarelli, S. A.; Prepejchal, W.; Thommes, M. M. 1974. Migratory Behavior of Fish Tagged at a Nuclear Power Plant Discharge Into Lake Michigan. In: Proceedings 17th Conference Great Lakes Research, Part 1, pp. 68-77. Internat. Assoc. Great Lakes Res.
1754. Romberg, G. P.; Thommes, M. M. 1975. Comparison of the Movement and Recapture of Salmonid Fishes Tagged at Two Nuclear Plants. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 132-142. Argonne, Illinois.
1755. Romberg, G. P.; Thommes, M. M.; Spigarelli, S. A. 1975. Origin of Fin-Clipped Salmonids Collected at Two Thermal Discharges on Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 143-149. Argonne, Illinois.
1756. Rondy, D. R. 1966. Great Lakes Ice Cover, Winter 1965-66. U.S. Army Corps of Engineers, U.S. Lake Survey District, Basic Data Rep. 5-2. Detroit, Michigan. 9 pp.
1757. Rondy, D. R. 1967. Great Lakes Ice Cover, Winter 1966-67. U.S. Army Corps of Engineers, Lake Survey District, Basic Data Rep. 5-3. Detroit, Michigan. 8 pp.
1758. Rondy, D. R. 1968. Great Lakes Ice Cover, Winter 1967-68. U.S. Army Corps of Engineers, U.S. Lake Survey District, Basic Data Rep. 5-4. Detroit, Michigan. 10 pp.
1759. Rondy, D. R. 1969. Great Lakes Ice Cover, Winter 1962-63 and 1963-64. U.S. Army Corps of Engineers, U.S. Lake Survey District, Basic Data Rep. 5-5. Detroit, Michigan. 5 pp.
1760. Rondy, D. R. 1969. Great Lakes Ice Atlas. U.S. Army Corps of Engineers, U.S. Lake Survey District Res. Rep. 5-6. Detroit, Michigan. 7 pp.
1761. Rondy, D. R. 1971. Great Lakes Ice Atlas. NOAA Tech. Memo. NOS-LSCR-1. Great Lakes Environmental Research Lab. Ann Arbor, Michigan. 9 pp.
1762. Rondy, D. R. 1971. Great Lakes Ice Cover, Winter 1968-69. NOAA Tech. Memo. NOS-LSC-D-1. 12 pp.
- 1763a. Rondy, D. R. 1972. Great Lakes Ice Cover, Winter 1969-70. NOAA Tech. Memo. NOS-LSC-D-3.

- 1763b. Rondy, D. R. 1976. Great Lakes Ice Cover. In: Great Lakes Basin Framework Study, Appendix 4. Limnology of Lakes and Embayments, pp. 105-117. Great Lakes Basin Commission. Ann Arbor, Michigan.
1764. Ropes, G. E. 1965. Vertical Control on the Great Lakes. J. Survey Mapping Div., Am. Soc. Civil Engin. 91: 35-49.
1765. Rose, F. T. 1970. Annotated Bibliography of Scientific Information on Grand Traverse Bay. Michigan Sea Grant Program Rep. No. MICHU-SG-70-201. Ann Arbor, Michigan.
1767. Rosenshein, J. S.; Hunn, J. D. 1968. Geohydrology and Ground-water Potential of Lake County, Indiana. Indiana Dept. Nat. Resour., Div. Water Bull. No. 31. Indianapolis, Indiana. 31 pp.
1768. Rosenshein, J. S.; Hunn, J. D. 1968. Geohydrology and Ground-water Potential of Porter and LaPorte Counties, Indiana. Indiana Dept. Nat. Resour., Div. Water Bull. No. 32. Indianapolis, Indiana. 22 pp.
1769. Rossmann, R. 1973. Lake Michigan Ferromanganese Nodules. Ph.D. thesis. University of Michigan. 166 pp.
1770. Rossmann, R. 1975. Chemistry of Nearshore Surficial Sediments from Southeastern Lake Michigan. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 57. Ann Arbor, Michigan. 62 pp.
1771. Rossmann, R.; Callender, E. 1968. Manganese Nodules in Lake Michigan. Science 162: 1123-1124.
1772. Rossmann, R.; Callender, E. 1969. Geochemistry of Lake Michigan Manganese Nodules. In: Proceedings 12th Conference Great Lakes Research, pp. 306-316. Internat. Assoc. Great Lakes Res.
1773. Rossmann, R.; Callender, E.; Bowser, C. J. 1972. Inter-element Geochemistry of Lake Michigan Ferromanganese Nodules. In: Proceedings 24th Internat. Geol. Congress, pp. 336-341. Montreal, Quebec.
1774. Rossmann, R.; Olson, E. W.; Truman, D. A. 1974. Cook Plant (Inner Survey) Surficial Sediment Chemistry. In: Seibel, E., and Ayers, J. C. (eds.). The Biological, Chemical, and Physical Character of Lake Michigan in the Vicinity of the Donald C. Cook Nuclear Plant, pp. 433-464. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 51. Ann Arbor, Michigan.
1775. Roth, J. C. 1973. Study of Zooplankton. In: Ayers, J. C., and Seibel, E. (eds.). Benton Harbor Power Plant Limnological Studies, Part XIII. Cook Plant Preoperational Studies 1972, pp. 77-168. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan.
1776. Roth, J. C.; Stewart, J. A. 1973. Nearshore Zooplankton of Southeastern Lake Michigan, 1972. In: Proceedings 16th Conference Great Lakes Research, pp. 132-142. Internat. Assoc. Great Lakes Res.

1777. Rousar, D. C. 1973. Seasonal and Spacial Changes in Primary Production and Nutrients in Lake Michigan. *Water Air Soil Pollut.* 2: 497-514.
1778. Rousar, D. C. 1973. Phosphorus and Iron in Sediment-Water Systems. Master's thesis. University of Wisconsin-Milwaukee.
1779. Rousar, D. C.; Beeton, A. M. 1973. Distribution of Phosphorus, Silica, Chlorophyll a, and Conductivity in Lake Michigan and Green Bay. *Trans. Wis. Acad. Sci. Arts Lett.* 61: 117-140.
1780. Rowe, R. R. 1969. Lake Michigan-Huron Stage-Frequency and Trend. *J. Waterway Port Div., Am. Soc. Civil Engin.* 95: 261-274.
1781. Rubenstein, S. H.; Fenters, J.; Orbach, H.; Shuber, N.; Reed, J.; Mollay, E. 1973. Viruses in Metropolitan Waters: Concentrations by Polyelectrolytes, Freeze Concentration, and Ultrafiltration. *J. Am. Water Works Assoc.* 65(3): 200-202.
1782. Ruch, R. R.; Kennedy, E. J.; Shimp, N. F. 1970. Distribution of Arsenic in Unconsolidated Sediments from Southern Lake Michigan. III. *State Geol. Surv. Environ. Geol. Notes* 37. 16 pp.
1783. Rukavina, N. A. (ed.). 1976. Proceedings of a Workshop on Great Lakes Coastal Erosion and Sedimentation, Nov. 29-30, 1976. Canada Centre for Inland Waters. Burlington, Ontario.
1784. Russell, R. P., Jr. 1963. Spring Migration on Lake Michigan. *Audubon Bull.* 125: 20-21.
1785. Rybicki, R. W. 1973. A Summary of the Salmonid Program (1969-1971). In: *Michigan's Great Lakes Trout and Salmon Fishery, 1969-1972*, pp. 1-17. Michigan Dept. Nat. Resour., Fish Manag. Rep. No. 5. Lansing, Michigan.
1786. Rybicki, R. W.; Keller, M. 1976. Progress Report on Major Fish Species in Lake Michigan. In: *Minutes of the Lake Michigan Committee, Annual Report for the Year 1976, Appendix IV(A)*, pp. 15-33. Great Lakes Fishery Comm. Ann Arbor, Michigan.
1787. Rybicki, R. W.; Keller, M.; Moffit, L. 1975. 1974 Progress Reports on Certain Lake Michigan Fish Stocks, Harvest and Regulations. In: *Minutes of the Lake Michigan Committee, Annual Report for the Year 1975, Appendix IV*, pp. 33-63. Great Lakes Fishery Comm. Ann Arbor, Michigan.
1788. Ryckman, R. G. 1968. Physical and Chemical Characteristics of Little Bay de Noc. Master's thesis. University of Wisconsin-Milwaukee. 49 pp.
1789. Ryczek, R. A. 1974. Airborne Additions of Zinc to Lake Michigan, A Special Problem Report. Master's thesis. University of Illinois at Urbana-Champaign. 75 pp.
1790. Ryder, R. A. 1972. The Limnology and Fishes of Oligotrophic Glacial Lakes in North America (about 1800 A.D.). *J. Fish. Res. Board Can.* 29(6): 617-628.

1791. Ryner, P. C. 1973. Changing Patterns of Shoreland Use. In: *Geology and the Environment: Man, Earth, and Nature in Northwestern Lower Michigan*, Michigan Basin Geological Society Annual Field Excursion, Excursion Guides and Road Logs, pp. 197-203. Mich. Basin Geol Soc., Lansing, Michigan.
1792. Ryznar, E.; Baker, D. G.; Moses, H. 1976. Coastal Meteorological Networks to Determine Effects of Nuclear Plant Cooling Systems. *Bull. Am. Meteorol. Soc.* 57(12): 1441-1446.
1793. Sabatini, R. R. 1971. The Feasibility of Using Nimbus HRIR and THIR Measurements for Obtaining Surface Temperatures of Lake Michigan. In: *Proceedings 14th Conference Great Lakes Research*, pp. 487-494. Internat. Assoc. Great Lakes Res.
1794. Sager, P. E. 1971. Nutritional Ecology and Community Structure of the Phytoplankton of Green Bay. University of Wisconsin, Water Resour. Center Tech. Completion Rep. OWR A-017-WIS. Madison, Wisconsin. 31 pp.
1795. Sager, P. E.; Wiersma, J. H. 1972. Nutrient Discharges to Green Bay, Lake Michigan from the Lower Fox River. In: *Proceedings 15th Conference Great Lakes Research*, pp. 132-148. Internat. Assoc. Great Lakes Res.
1796. Sager, P. E.; Wiersma, J. H. 1975. Phosphorus Sources for Lower Green Bay, Lake Michigan. *J. Water Pollut. Control Fed.* 47(3): 504-514.
1797. Salvesson, A. 1970. Phosphate Distribution in the Fox and Wolf River. *Water and Sewage Works* 117(5): 149-152.
1798. Sander, P. 1969. Kenosha Sand Dunes. *Wisconsin Academy Review* 16(3). 4 pp.
1799. Sasman, R. T. 1965. Groundwater Pumpage in Northeastern Illinois through 1962. Ill. State Water Surv. Rep. Invest. 50. Champaign, Illinois. 31 pp.
1800. Sasman, R. T. 1974. The Future of Ground-water Resources in DuPage County. *Ground Water* 12(5): 277-282.
1801. Sasman, R. T.; Benson, C. R.; Dzurisin, G. L.; Risk, N. E. 1974. Groundwater Pumpage in Northern Illinois, 1960-1970. Ill. State Water Surv. Rep. Invest. 73. Champaign, Illinois. 46 pp.
1802. Sather, J. H. 1976. *Proceedings of the National Wetland Classification and Inventory Workshop*. U.S. Fish Wildl. Serv., Office of Biol. Serv. Washington, D.C. 110 pp.
1803. Sato, G. K. 1975. Lake Currents and Temperatures near the Western Shore of Lake Michigan. Ph.D. thesis. University of Wisconsin-Madison. 286 pp.

1804. Sato, G. K.; Mortimer, C. H. 1975. Lake Currents and Temperatures near the Western Shore of Lake Michigan. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 22. Milwaukee, Wisconsin. 314 pp.
1805. Saunders, G. W. 1964. Studies of Primary Productivity in the Great Lakes. In: Proceedings 7th Conference Great Lakes Research, pp. 122-129. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
1806. Saunders, G. W., Jr. 1975. Summary of the ERDA Research and Development Programs in the Great Lakes. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 493-498. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
1807. Saunders, G. W.; Trama, F. B.; Bachmann, R. W. 1962. Evaluation of a Modified C-14 Technique for Shipboard Estimation of Photosynthesis in Large Lakes. University of Michigan, Great Lakes Res. Div., Pub. No. 8. Ann Arbor, Michigan. 61 pp.
1808. Saunders, K. D. 1976. Near-Bottom Currents Measured during the 1976 Mid-Lake Dynamics Experiment. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976, ANL-76-88, Part III, pp. 111-114. Argonne, Illinois.
1809. Saunders, K. D.; Van Loon, L. S. 1975. Thermograph Records of Upwelling Events in Southwestern Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1975, ANL-75-60, Part III, pp. 92-93. Argonne, Illinois.
1810. Saunders, K. D.; Van Loon, L. S. 1976. Nearshore Currents and Water Temperatures in Southwestern Lake Michigan (June-December 1972). Argonne National Laboratory, Energy and Environ. Systems Div. Rep. No. ANL/WR-76-2. Argonne, Illinois. 216 pp.
1811. Saunders, K. D.; Van Loon, L. S.; Tome, C.; Harrison, W. 1976. Nearshore Currents at Point Beach, Wisconsin, 1974-1975. Argonne National Laboratory Rep. No. ANL/WR-76-1. Argonne, Illinois. 252 pp.
1812. Saylor, J. H. 1964. Survey of Lake Michigan Harbor Currents. In: Proceedings 7th Conference Great Lakes Research, pp. 362-368. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
1813. Saylor, J. H. 1966. Modification of Nearshore Currents by Coastal Structures. U.S. Army Corps of Engineers, U.S. Lake Survey Misc. Paper 66-1. 14 pp.
1814. Saylor, J. H. 1970. On the Generation of Internal Waves in Lake Michigan by Nonlinear Wave Resonance. Ph.D. thesis. University of Michigan. 92 pp.

1815. Saylor, J. H. 1970. Non-Linear Resonance Between Kelvin Waves in Lake Michigan. In: Proceedings 13th Conference Great Lakes Research, Part 1, pp. 508-527. Internat. Assoc. Great Lakes Res.
1816. Saylor, J. H. 1974. Nearshore Bottom Stability in Relation to Changing Lake Levels. In: Papers from a Technical Conference on Lake Michigan Shoreland Planning, pp. 42-55. Lake Michigan Federation. Chicago, Illinois.
1817. Saylor, J. H.; Sloss, P. W. 1976. Water Volume Transport and Oscillatory Current Flow Through the Straits of Mackinac. J. Phys. Oceanogr. 6: 229-237.
1818. Saylor, J. H.; Hands, E. B. 1970. Properties of Longshore Bars in the Great Lakes. In: Proceedings of the 12th Coastal Engineering Conf., Vol. 2, pp. 839-853. Am. Soc. Civil Engin. New York, New York.
1819. Scarce, L. E. 1965. The Distribution of Bacterial Densities in Lake Michigan. In: Proceedings 8th Conference Great Lakes Research, pp. 182-196. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
1820. Scarce, L. E.; Peterson, M. L. 1966. Pathogens in Streams Tributary to the Great Lakes. In: Proceedings 9th Conference Great Lakes Research, pp. 147-154. University of Michigan, Great Lakes Res. Div., Pub. 15. Ann Arbor, Michigan.
1821. Scarpace, F. L.; Green, T. 1972. The Use of a Thermal Line Scanner in the Remote Sensing of Water Pollution. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-72-213. Madison, Wisconsin. 12 pp.; and NOAA Rep. No. NOAA-72011006.
1822. Scarpace, F. L.; Green, T. 1972. On Rapid Changes and Periodic Temperature Structure in Thermal Plumes. University of Wisconsin, Institute for Environmental Studies, Remote Sensing Program, Rep. No. 17.
1823. Scarpace, F. L.; Madding, R. P.; Green, T. 1975. Scanning Thermal Plumes. Photog. Eng. Remote Sensing 41(10): 1223-1231.
1824. Scavia, D.; Eadie, B. J.; Robertson, A. 1976. An Ecological Model for the Great Lakes. In: Ott, W. R. (ed.). Proceedings of the EPA Conference on Environmental Modeling and Simulation, U.S. Environmental Protection Agency Rep. No. EPA-600/9-76-016, pp. 629-633. Washington, D.C.
1825. Schacht, R. A. 1974. Pesticides in the Illinois Waters of Lake Michigan. U.S. Environmental Protection Agency, Office of Res. Dev., Rep. No. EPA 660/3-74-002. 55 pp.
1826. Schacht, R. A.; Kolczak, L.; Matsunaga, W. O. 1972. Lake Michigan Shore and Open Water Report, 1972. Illinois Environmental Protection Agency. Springfield, Illinois. 107 pp.

1827. Schacht, R. A.; Kolczak, L.; Matsunaga, W. O. 1974. Lake Michigan Water Quality and Lake Bed Survey, 1973. Illinois Environmental Protection Agency, Div. of Water Pollut. Control, Region II, Aquatic Biol. Surv. Unit.
1828. Schacht, R. A.; Matsunaga, W. O. 1975. Lake Michigan Water Quality Report 1974. Illinois Environmental Protection Agency, Region II.
1829. Schacht, R. A.; Matsunaga, W. O. 1976. Lake Michigan Water Quality Report 1975. Illinois Environmental Protection Agency, Region II.
1830. Schaefer, W. F. 1975. A Study of the Growth Patterns, Food Habits and Seasonal Depth Distribution of the Yellow Perch, *Perca flavescens*, in Southwestern Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee. 55 pp.
1831. Scharf, W. C. 1970. Gull Point, South Manitou Island, 1966-1969, Lake Michigan. *Inland Bird Banding News* 42(1): 6-9.
1832. Scharf, W. C. 1973. Birds and Land Vertebrates of South Manitou Island. *Jack-Pine Warbler* 51(1): 3-19.
1833. Schelske, C. L. 1974. Nutrient Inputs and Their Relationship to Accelerated Eutrophication in Lake Michigan. In: Monke, E. J. (ed.). *Biological Effects in the Hydrobiological Cycle, Proceedings 3rd Internat. Symposium for Hydrology Professors, 1971*, pp. 59-81. Purdue University, Dept. of Agricultural Engin.
1834. Schelske, C. L. 1975. Silica and Nitrate Depletion as Related to Rate of Eutrophication in Lakes Michigan, Huron, and Superior. In: Hasler, A. D. (ed.). *Coupling of Land and Water Systems*, pp. 277-298. Springer-Verlag, Ecol. Studies Vol. 10. New York, New York.
1835. Schelske, C. L.; Callender, E. 1970. Survey of Phytoplankton Productivity and Nutrients in Lake Michigan and Lake Superior. In: *Proceedings 13th Conference Great Lakes Research, Part 1*, pp. 93-105. Internat. Assoc. Great Lakes Res.
1836. Schelske, C. L.; Davis, C. O. 1976. Nutrient Enrichment and Eutrophication of Lake Michigan. Progress Report, July 1, 1975-June 30, 1976. NTIS Rep. No. COO-2003-26. 18 pp.
1837. Schelske, C. L.; Roth, J. C. 1973. Limnological Survey of Lakes Michigan, Superior, Huron, and Erie. University of Michigan, Great Lakes Res. Div., Pub. No. 17. Ann Arbor, Michigan. 108 pp.
1838. Schelske, C. L.; Rothman, E. D.; Stoermer, E. F.; Santiago, M. A. 1974. Responses of Phosphorus Limited Lake Michigan Phytoplankton to Factorial Enrichments With Nitrogen and Phosphorus. *Limnol. Oceanogr.* 19(3): 409-419.
1839. Schelske, C. L.; Simmons, M. S.; Feldt, L. E. 1975. Phytoplankton Responses to Phosphorus and Silica Enrichments in Lake Michigan. *Int. Ver. Theor. Angew. Limnol. Verh.* 19: 911-921.

1840. Schelske, C. L.; Stoermer, E. F. 1971. Eutrophication, Silica Depletion, and Predicted Changes in Algal Quality in Lake Michigan. *Science* 173: 423-424.
1841. Schelske, C. L.; Stoermer, E. F. 1972. Phosphorus, Silica, and Eutrophication of Lake Michigan. In: Likens, G. E. (ed.). *Nutrients and Eutrophication, Spec. Symposium*, pp. 157-171. Am. Soc. Limnol. and Oceanog.; and University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 145. Ann Arbor, Michigan.
1842. Schelske, C. L.; Stoermer, E. F. 1976. *Limnological Characteristics and Phytoplankton Population Studies of Northern Lake Michigan, 1976*. U.S. Environmental Protection Agency, Great Lakes Environmental Research Lab. Ann Arbor, Michigan.
1843. Schelske, C. L.; Stoermer, E. F.; Feldt, L. E. 1971. Nutrients, Phytoplankton Productivity, and Species Composition as Influenced by Upwelling in Lake Michigan. In: *Proceedings 14th Conference Great Lakes Research*, pp. 102-113. Internat. Assoc. Great Lakes Res.
1844. Schelske, C. L.; Stoermer, E. F.; Gannon, J. E.; Simmons, M. S. 1976. *Biological, Chemical and Physical Relationships in the Straits of Mackinac*. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 60. Ann Arbor, Michigan; and U.S. Environmental Protection Agency Rep. No. EPA 600-3-76-095. 267 pp.
1845. Schenker, E. 1968. The St. Lawrence Seaway to Date - And Its Future. In: *Proceedings 11th Conference Great Lakes Research*, pp. 640-657. Internat. Assoc. Great Lakes Res.
1846. Schenker, E. 1970. *Overseas Shipping at Great Lakes Ports: Projections for the Future*. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 10. Milwaukee, Wisconsin. 74 pp.
1847. Schenker, E. 1970. *Present and Future Income and Employment Generated by the St. Lawrence Seaway*. *Seaway Review* 1(3): 1-4; and University of Wisconsin Sea Grant Program Reprint No. WIS-SG-71-313. Madison, Wisconsin.
1848. Schenker, E. 1972. *Extending the St. Lawrence Seaway Navigation Season: A Cost-Benefit Approach*. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 15. Milwaukee, Wisconsin. 61 pp.
1849. Schenker, E. 1972. *The Impact of the Port of Green Bay on the Economy of the Community*. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-72-216. Madison, Wisconsin. 124 pp.
1850. Schenker, E. 1973. *Effects of Containerization on Great Lakes Ports*. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 2. Milwaukee, Wisconsin. 97 pp.
1851. Schenker, E. 1976. *The Great Lakes Transportation System*. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-76-230. Madison, Wisconsin.

1852. Schenker, E.; Bunamo, M. 1971. The Great Lakes Container Dilemma. University of Wisconsin Sea Grant Program Reprint No. WIS-SG-71-304. Madison, Wisconsin; and NOAA Rep. No. NOAA-73062202. 10 pp.
1853. Schenker, E.; Smith, D. 1973. The Economic Merits of Extending the St. Lawrence Seaway Navigation Season. University of Wisconsin Sea Grant Program Reprint No. WIS-SG-73-334. Madison, Wisconsin.
1854. Schertler, R. J.; Mueller, R. A.; Jirberg, R. J.; Cooper, D. W.; Heighway, J. E.; Holmes, A. D.; Gedney, R. T.; Mark, H. 1975. Great Lakes All-Weather Ice Information System. NASA Tech. Memo. NASA-TMX-71815. NTIS. Springfield, Virginia.
1855. Schicht, R. J.; Adams, J. R.; Stall, J. B. 1976. Water Resources Availability, Quality, and Cost in Northeastern Illinois: Ill. State Water Surv. Rep. Invest. No. ISWS/RI-83/76. Champaign, Illinois. 97 pp.
1856. Schicht, R. J.; Moench, A. F. 1971. Future Demands on Groundwater in Northeastern Illinois. Ground Water 9(2): 21-28.
1857. Schleicher, J. A.; Kuhn, J. K. 1970. Phosphorus Content in Unconsolidated Sediments from Southern Lake Michigan. Ill. State Geol. Surv. Environ. Geol. Notes 39. 15 pp.
1858. Scholtzhauer, G. K. 1967. Interactance Patterns of Great Lakes-St. Lawrence Waterborne Commerce: A Factor Analytical Approach. Master's thesis. University of Wisconsin-Milwaukee.
1859. Scholz, A. T.; Cooper, J. C.; Madison, D. M.; Horrall, R. M.; Hasler, A. D.; Dizon, A. E.; Poff, R. J. 1973. Olfactory Imprinting in Coho Salmon: Behavioral and Electrophysiological Evidence. In: Proceedings 16th Conference Great Lakes Research, pp. 143-153. Internat. Assoc. Great Lakes Res.
1860. Scholz, A. T.; Horrall, R. M.; Cooper, J. C.; Hasler, A. D.; Madison, D. M.; Poff, R. J.; Daly, R. I. 1975. Artificial Imprinting of Salmon and Trout in Lake Michigan. University of Wisconsin Sea Grant Program Advisory Rep. No. WIS-SG-76-414; and Wisconsin Dept. Nat. Resour. Fish Manag. Rep. No. 80. Madison, Wisconsin. 46 pp.
1861. Scholz, A. T.; Horrall, R. M.; Cooper, J. C.; Hasler, A. D. 1976. Imprinting to Chemical Cues: The Basis for Home Stream Selection in Salmon. Science 192: 1247-1249; and University of Wisconsin Sea Grant Program Reprint No. WIS-SG-76-364. Madison, Wisconsin.
1862. Schraufnagel, F. H. 1965. Chlorides. Wisconsin Dept. Nat. Resour., Committee on Water Pollut. Madison, Wisconsin. 13 pp.
1863. Schraufnagel, F. H. 1966. Green Bay Stream Flows and Currents. In: Voigt, L. P. (ed.). Lake Michigan Pollution, pp. 168-182. Proceedings Governor's Conf. of State Agencies, Nat. Resour. Committee. Madison, Wisconsin.

1864. Schraufnager, F. H.; Lueschow, L. A.; Karl, G.; Montie, L. A.; Lissack, J.; McKersie, J. R. 1968. Report on an Investigation of the Pollution in the Lower Fox River and Green Bay Made During 1966 and 1967. Wisconsin Dept. Nat. Resour., Div. Resour. Development. 77 pp.
- 1865a. Schroeder, D. 1964. The Issue of the Lakefront: An Historical Critical Survey. Chicago Heritage Committee. Chicago, Illinois.
- 1865b. Schueler, R. L.; Long, M. T. 1970. Environmental Planning in the Great Lakes: A U.S. Perspective on its Implications for Fish and Wildlife Resources Research and Management. In: Proceedings 13th Conference Great Lakes Research, pp. 1035-1040. Internat. Assoc. Great Lakes Res.
1866. Schumacher, M. 1975. Reported Radioactive Effluents from Power Reactors on the Great Lakes. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 162-172. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
1867. Schumann, C. E. 1975. Evolution of a Large PWR Liquid Radwaste System. Trans. Am. Nucl. Soc. 22: 615-616.
1868. Schwab, G. M.; Katz, P. L. 1974. A Model for the Study of Episodes in the Dispersion of a Conservative Pollutant in Lake Michigan. In: Proceedings 17th Conference Great Lakes Research, Part 2, pp. 837-846. Internat. Assoc. Great Lakes Res.
1869. Schwartz, L. J. 1974. Bacterial Populations in Lower Green Bay. In: Proceedings 17th Conference Great Lakes Research, Part 2, pp. 663-667. Internat. Assoc. Great Lakes Res.
1870. Schwartz, L. J.; Goldsby, A. I.; Wiersma, J. H. 1976. Biological, Chemical, and Physical Impacts of Sewage Discharge in Green Bay. University of Wisconsin-Green Bay.
1871. Schwartz, M. L. 1974. Seasonal Variation of a Limnic Beach: Discussion. Geol. Soc. Am. Bull. 85(1): 157.
1872. Seagran, H. L. 1970. Mercury in Great Lakes Fish. Limnos 3: 3-10.
1873. Seegert, G. L. 1973. The Effects of Lethal Heating on Plasma Potassium Levels, Hematocrit and Cardiac Activity in the Alewife (*Alosa pseudoharengus*) Compared with Three Other Teleosts. In: Proceedings 16th Conference Great Lakes Research, pp. 154-162. Internat. Assoc. Great Lakes Res.
1874. Seibel, E. 1972. Shore Erosion at Selected Sites Along Lakes Michigan and Huron. Ph.D. thesis. University of Michigan.
1875. Seibel, E. 1974. Lake Michigan Shore Erosion. In: Papers from a Technical Conference on Lake Michigan Shoreland Planning, pp. 113-148. Lake Michigan Federation. Chicago, Illinois.

1876. Seibel, E.; Armstrong, J. M.; Alexander, C. L. 1976. The Determination of Quantity and Quality of Great Lakes United States Shoreline Eroded Material. International Joint Commission, International Reference Group on Great Lakes Pollution From Land Use Activities, U.S. Environmental Protection Agency Rep. No. EPA 68-01-1598. 292 pp.
1877. Seibel, E.; Ayers, J. C. 1974. Natural Lake Water Temperatures in the Nearshore Waters of Southeastern Lake Michigan. In: Seibel, E., and Ayers, J. C. (eds.). The Biological, Chemical, and Physical Character of Lake Michigan in the Vicinity of the Donald C. Cook Nuclear Plant, pp. 333-368. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 51. Ann Arbor, Michigan.
1878. Seibel, E.; Ayers, J. C. (eds.). 1974. The Biological, Chemical, and Physical Character of Lake Michigan in the Vicinity of the Donald C. Cook Nuclear Plant. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 51. Ann Arbor, Michigan. 475 pp.
1879. Seibel, E.; Carlson, C. T.; Maresca, J. W., Jr. 1975. Lake and Shore Ice Conditions on Southeastern Lake Michigan in the Vicinity of the Donald C. Cook Nuclear Plant: Winter 1973-74. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 55. Ann Arbor, Michigan. 62 pp.
1880. Seibel, E.; Carlson, C. T.; Maresca, J. W., Jr. 1976. Ice Ridge Formation: Probable Control By Nearshore Bars. J. Great Lakes Res. 2(2): 384-392.
1881. Seibel, E.; Jensen, R.; Carlson, C. T. 1974. Surficial Sediment Distribution of the Nearshore Waters in Southeastern Lake Michigan. In: Seibel, E., and Ayers, J. C. (eds.). The Biological, Chemical, and Physical Character of Lake Michigan in the Vicinity of the Donald C. Cook Nuclear Plant, pp. 369-432. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 51. Ann Arbor, Michigan.
1882. Seibel, E.; Maresca, J. W., Jr. 1975. User Oriented Discussion of the Reliability of Recession Rate Measurements. In: Proceedings of the Recession Rate Workshop, pp. 137-158. Great Lakes Basin Commission. Ann Arbor, Michigan.
1883. Seibel, E.; Roth, J. C.; Stewart, J. A.; Williams, S. L. 1973. Benton Harbor Power Plant Limnological Studies, Part XVI. Psammolittoral Investigation 1972. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 44. Ann Arbor, Michigan. 63 pp.
1884. Seydel, I. S. 1972. Distribution and Circulation of Arsenic through Water, Organisms and Sediments of Lake Michigan. Arch. Hydrobiol. 71(1): 17-30.
1885. Seyler, H. L. 1967. Functional Changes in the Major United States Great Lakes Ports Since the Opening of the New St. Lawrence Seaway. Kansas State Univ., Dept. of Geol. and Geography. 95 pp. + Illustrations + Maps.

1886. Sharma, R. K.; Freeman, R. F., III.; Spigarelli, S. A. 1976. Fish Impingement at Lake Michigan Power Plants. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976. ANL-76-88, Part III, pp. 14-16. Argonne, Illinois.
1887. Shea, J. H. 1964. Petrology and Stratigraphy of Sediments from Southern and Central Lake Michigan. Ph.D. thesis. University of Illinois at Urbana-Champaign. 99 pp.
1888. Sheaffer, J. R. 1972. Reviving the Great Lakes. In: Man and His Physical Environment: Readings in Environmental Geology, pp. 123-133. Burgess Publ. Co., Minneapolis, Minnesota.
1889. Shear, H.; Konasewich, D. E. (eds.). 1975. Cladophora in the Great Lakes. International Joint Commission, Great Lakes Research Advisory Board. Windsor, Ontario. 179 pp.
1890. Sherrill, M. G. 1975. Ground-Water Contamination in the Silurian Dolomite of Door County, Wisconsin, Northern Lake Michigan. Ground Water 13(2): 209-213.
1891. Shimp, N. F.; Leland, H. V.; White, W. A. 1970. Distribution of Major, Minor, and Trace Constituents in Unconsolidated Sediments from Southern Lake Michigan. Ill. State Geol. Surv. Environ. Geol. Notes 32. Champaign, Illinois. 19 pp.
1892. Shimp, N. F.; Schleicher, J. A.; Ruch, R. R.; Heck, D. B.; Leland, H. V. 1971. Trace Elements and Organic Carbon Accumulation in the Most Recent Sediments of Southern Lake Michigan. Ill. State Geol. Surv. Environ. Geol. Notes 41. Champaign, Illinois. 25 pp.
1893. Shugart, G. W. 1976. Effects of Ring-Billed Gull Nesting on Vegetation. Jack-Pine Warbler 54(2): 50-58.
1894. Sievering, H. 1976. Dry Deposition Loading of Lake Michigan by Airborne Particulate Matter. Water Air Soil Pollut. 5(3): 309-318.
1895. Sievering, H.; Williams, C. 1975. Potential Loading of Southern Lake Michigan by Dry Deposition. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 265-275. Federal Council on Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
1896. Sievering, H.; Williams, C. 1976. Dry Deposition as a Major Source of Water Pollution in Lake Michigan. In: Engelmann, R. J., and Sehmel, G. A. (eds.). Proceedings Symposium on Atmosphere-Surface Exchange of Particulate and Gaseous Pollutants, Sept. 4-6, Richland, Washington, pp. 369-381. U.S. Dept. of Energy, Energy Res. and Development Admin.
1897. Sikes, C. S. 1976. Calcification of Cladophora glomerata. Ph.D. thesis. University of Wisconsin-Milwaukee. 139 pp.
1898. Silberman, E.; Stefan, H. 1970. Physical (Hydraulic) Modeling of Heat Dispersion in Large Lakes: A Review of the State of the Art. Argonne National Laboratory Rep. No. ANL/ES-2. Argonne, Illinois.

1899. Silver, M. L.; Lineback, J. A. 1972. Velocity of Sound in Sediments Cored from Southern Lake Michigan. Ill. State Geol. Surv. Circ. 475. Champaign, Illinois. 18 pp.
1900. Silver, M. L.; Moore, C. A. 1972. Shipboard Measurement of Acoustic Velocities in Sediment Cores. In: Offshore Technology Fourth Annual Conf., Vol. 1, pp. 341-346. Dallas, Texas.
1901. Skibin, D.; Staley, R. C.; Winchester, J. W. 1973. Comment on Water Pollution in Lake Michigan from Pollution Aerosol Fallout. Water Air Soil Pollut. 2(4): 405-407.
1902. Skinner, E. L.; Borman, R. G. 1970. Water Resources of Wisconsin, Lake Michigan Basin. U.S. Geol. Surv. Hydrol. Invest. Atlas HA-432. 4 pp.
1903. Slinn, W. G. N. 1976. Dry Deposition and Resuspension of Aerosol Particles-A New Look at Some Old Problems. In: Engelmann, R. J., and Sehmel, G. A. (eds.). Proceedings Symposium on Atmosphere-Surface Exchange of Particulate and Gaseous Pollutants, Sept. 4-6, Richland, Washington, pp. 1-40. U.S. Dept. of Energy, Energy Res. and Development Admin.
1904. Sly, P. G. 1973. Sediment Processes in Great Lakes. In: Fluvial Processes and Sedimentation, Proceedings Hydrology Symposium, pp. 464-492. University of Alberta. Edmonton, Alberta.
1905. Sly, P. G.; Thomas, R. L. 1974. Review of Geological Research as It Relates to an Understanding of Great Lakes Limnology. J. Fish. Res. Board Can. 31: 795-825.
1906. Smith, A. J.; Howell, J. H.; Piavis, G. W. 1968. Comparative Embryology of Five Species of Lampreys of the Upper Great Lakes. Copeia 1968(3): 461-469.
1907. Smith, B. R. 1966. Lamprey Control and Research in the United States. In: Great Lakes Fishery Comm. Annual Report for 1964, pp. 31-45. Ann Arbor, Michigan.
1908. Smith, B. R. 1967. Lamprey Control and Research in the United States. In: Great Lakes Fishery Comm. Annual Report for 1965, pp. 28-45. Ann Arbor, Michigan.
1909. Smith, B. R. 1967. Lamprey Control and Research in the United States. In: Great Lakes Fishery Comm. Annual Report for 1966, pp. 23-40. Ann Arbor, Michigan.
1910. Smith, B. R. 1968. Lamprey Control and Research in the United States. In: Great Lakes Fishery Comm. Annual Report for 1967, pp. 26-43. Ann Arbor, Michigan.
1911. Smith, B. R. 1971. Sea Lampreys in the Great Lakes of North America. In: Hardisty, M. W., and Potter, I. C. (eds.). The Biology of Lampreys, Vol. I, pp. 207-247. Academic Press, New York.

1912. Smith, B. R.; Braem, R. A. 1976. Sea Lamprey Control in the United States. In: Great Lakes Fishery Comm. Annual Report for 1974, Appendix C, pp. 34-49. Ann Arbor, Michigan.
1913. Smith, B. R.; King, E. L., Jr. 1969. Lamprey Control in the United States. In: Great Lakes Fishery Comm. Annual Report for 1968, pp. 34-49. Ann Arbor, Michigan.
1914. Smith, B. R.; King, E. L., Jr. 1970. Lamprey Control in the United States. In: Great Lakes Fishery Comm. Annual Report 1969, pp. 29-40. Ann Arbor, Michigan.
1915. Smith, B. R.; McLain, A. L. 1962. Estimation of the Brook and Sea Lamprey Ammocoete Populations of Three Streams. In: Great Lakes Fishery Comm. Tech. Rep. No. 4, pp. 1-18. Ann Arbor, Michigan.
1916. Smith, H. A. 1968. Hydro-Electric Power Development on the Great Lakes System. In: Proceedings Great Lakes Water Resources Conf., June 24-26, 1968, Toronto, Ontario, pp. 49-88. Engin. Institute of Canada and Am. Soc. Civil Engin.
1917. Smith, P. A.; Moore, J. R. 1972. Characteristics and Genetic Relationships of Soils and Soil Parent Materials in the Valderan Drift Region of Eastern Wisconsin. In: Proceedings 15th Great Lakes Conference Research, pp. 371-382. Internat. Assoc. Great Lakes Res.
1918. Smith, R. H. 1966. Great Lakes Water Levels - A Look at the Problem of Control. Canadian Geog. Jour. 72: 112-123.
1919. Smith, R. H.; Conner, I. E. 1968. Potential Benefits of Great Lakes Levels and Flow Regulation. In: Proceedings Great Lakes Water Resources Conf., June 24-26, 1968, Toronto, Ontario, pp. 229-248. Engin. Institute of Canada and Am. Soc. Civil Engin.
1920. Smith, S. H. 1964. Status of the Deepwater Cisco Population of Lake Michigan. Trans. Am. Fish. Soc. 93(2): 155-163.
1921. Smith, S. H. 1968. That Little Pest -- the Alewife. Limnos 1(2): 12-20.
1922. Smith, S. H. 1968. Species Succession and Fishery Exploitation in the Great Lakes. J. Fish. Res. Board Can. 25(1): 667-693.
1923. Smith, S. H. 1970. Species Interactions of the Alewife in the Great Lakes. Trans. Am. Fish. Soc. 99: 754-765.
1924. Smith, S. H. 1970. Trends in Fishery Management of the Great Lakes. In: Benson, N. G. (ed.). A Century of Fishes in North America, pp. 107-114. Am. Fish. Soc. Spec. Publ. 7. Washington, D.C.
1925. Smith, S. H. 1972. The Future of Salmonid Communities in the Laurentian Great Lakes. J. Fish. Res. Board Can. 29: 951-957.
1926. Smith, S. H. 1972. Factors of Ecologic Succession in Oligotrophic Fish Communities of the Laurentian Great Lakes. J. Fish. Res. Board Can. 29(6): 717-730.

1927. Smith, S. H. 1972. Destruction of the Ecosystem in the Great Lakes and Possibilities for Its Reconstruction. University of Washington Pub. in Fish., New Series 5: 41-46.
1928. Smith, S. H. 1973. Application of Theory and Research in Fishery Management of the Laurentian Great Lakes. Trans. Am. Fish. Soc. 102(1): 156-163.
1929. Smith, S. H.; Buettner, H. J.; Hile, R. 1961. Fishery Statistical Districts of the Great Lakes. Great Lakes Fishery Comm. Tech. Rep. No. 2. Ann Arbor, Michigan. 24 pp.
1930. Smith, W. E.; Funk, K.; Zabik, M. E. 1973. Effects of Cooking on Concentrations of Polychlorinated Biphenyl and DDT Compounds in Chinook (*Oncorhynchus tshawytscha*) and Coho (*Oncorhynchus kisutch*) Salmon from Lake Michigan. J. Fish. Res. Board Can. 30(5): 702-706.
1931. Snell, W. G.; Weber, M. R.; Kessler, R.; Kahlbaum, D. F.; Baker, D. G. 1976. An Investigation of the Meteorological Impact of a Once-Through Cooling System at the Donald C. Cook Nuclear Plant, Data Report No. 3: Summary of Meteorological Measurements for the Period January, 1974 through December, 1974. University of Michigan, Dept. Atmos. Oceanic Science, DRDA Project 320157. Ann Arbor, Michigan. 144 pp.
1932. Snider, C. R. 1967. Great Lakes Ice Season of 1967. Mon. Weather Rev. 95: 685-696.
1933. Snider, C. R. 1971. Great Lakes Ice Forecasting. NOAA Tech. Memo. NWS-OSD-1. 106 pp.
1934. Snider, C. R.; Linklater, G. D. 1969. Great Lakes Ice Season of 1968. Mon. Weather Rev. 97: 315-332.
1935. Snow, R. H. 1974. Water Pollution Investigation: Calumet Area of Lake Michigan. Volume II. Appendices. U.S. Environmental Protection Agency Rep. No. EPA-905/9-74-011-B. Chicago, Illinois. 240 pp.
1936. Snow, R. H. 1974. Water Pollution Investigation: Calumet Area of Lake Michigan. Vol. I. U.S. Environmental Protection Agency, Region V., Rep. No. EPA-905/9-74-011-A. Chicago, Illinois. 325 pp.
1937. Snow, R. H. 1976. Some Observations on Modelling Dispersion of Pollutants in Near-Shore Waters of Lake Michigan. In: Ott, W. R. (ed.). Proceedings of the EPA Conference on Environmental Modeling and Simulation, U.S. Environmental Protection Agency Rep. No. EPA-600/9-76-016, pp. 527-531. Washington, D.C.
1938. Snow, R. H. 1976. Effluents and Water Quality in the Calumet Area of Lake Michigan. In: Proceedings 2nd National Conference on Complete Water Use, pp. 1151-1154.
1939. Snyder, F. F. 1960. Evaporation on the Great Lakes. In: Internat. Assoc. of Sci. Hydrol. Pub. No. 53, pp. 364-376. Helsinki, Finland.

1940. Somers, L. H. 1967. Diving Techniques as Applied to Geological Investigation of the Great Lakes. In: Proceedings 10th Conference Great Lakes Research, pp. 149-156. Internat. Assoc. Great Lakes Res.
1941. Somers, L. H. 1967. Nearshore Slope Studies in Lake Michigan, 1964-1966. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 254. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
1942. Somers, L. H. 1967. The Representativeness of Random Bottom Samples in Four Selected Locations of Lake Michigan. In: Ayers, J. C., and Chandler, D. C. (eds.). Studies on the Environment and Eutrophication of Lake Michigan, pp. 255-258. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
1943. Somers, L. H. 1968. A Research Dive in the Great Lakes. *Limnos* 1(2): 2-11.
1944. Somers, L. H. 1968. Preliminary Report on Geological Studies in Northern Lake Michigan Using Underwater Observation Techniques. In: Proceedings 11th Conference Great Lakes Research, pp. 239-244. Internat. Assoc. Great Lakes Res.
1945. Somers, L. H. 1973. Lakelab Underwater Habitat. In: Proceedings 16th Conference Great Lakes Research, pp. 1046-1049. Internat. Assoc. Great Lakes Res.
1946. Somers, L. H.; Anderson, R. F. 1971. Diving Techniques Used in the Study of Ferromanganese Nodule Deposits. In: Proceedings 14th Conference Great Lakes Research, pp. 720-730. Internat. Assoc. Great Lakes Res.
1947. Somers, L. H.; Josephson, P. D. 1968. Bottom Sediments of Southwestern Lake Michigan. In: Proceedings 11th Conference Great Lakes Research, pp. 245-252. Internat. Assoc. Great Lakes Res.
1948. Somers, L. H.; Tetzloff, C.; Anderson, R. F. 1968. Operation Submich. In: Proceedings 11th Conference Great Lakes Research, pp. 658-663. Internat. Assoc. Great Lakes Res.
1949. Somersan, A. 1976. Impacts of Recreation in the Coastal Zone: Economic Impact and Needs of Wisconsin's Great Lakes Boaters -- 1975. NOAA Rep. No. NOAA-77010606. 54 pp.
1950. Somersan, A.; Neuman, M. 1976. Impacts of Recreation in the Coastal Zone: Demand and Supply of Recreation in Wisconsin's Coastal Counties. Wisconsin Dept. of Admin., Coastal Manag. Development Prog. Madison, Wisconsin. 84 pp.
1951. Sonzogno, W. C.; Shafer, C. A.; Crook, L. T. 1975. Overview of Federal Energy-Related Research Programs in the Great Lakes Area. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 468-479. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.

1952. Sonzogni, W. C.; Uttormark, P. D.; Lee, G. F. 1976. Phosphorus Residence Time Model: Theory and Application. *Water Res.* 10(5): 429-435.
1953. Southeastern Wisconsin Regional Planning Commission. 1976. A Comprehensive Plan for the Menomonee River Watershed. Southeastern Wisconsin Regional Planning Commission Planning Rep. No. 26, 2 Volumes. Waukesha, Wisconsin.
1954. Spigarelli, S. A. 1972. Fish Tagging Studies at the Point Beach Nuclear Power Plant, Part II. The Movements of Tagged Fish. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1972, ANL-7960, Part III, pp. 83-88. Argonne, Illinois.
1955. Spigarelli, S. A. 1975. Behavioural Responses of Lake Michigan Fishes to a Nuclear Power Plant Discharge. In: Proceedings Conf. on Environmental Effects of Cooling Systems at Nuclear Power Plants, Oslo, Norway, pp. 479-498. Internat. Atomic Energy Agency, Vienna, Austria.
1956. Spigarelli, S. A. 1975. Summary: Ecological Effects of Energy-Related Effluents Workshop. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 392-396. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
1957. Spigarelli, S. A. 1976. Cesium-137 Activities in Fish Residing in Thermal Discharges to Lake Michigan. *Health Phys.* 30(5): 411-413.
1958. Spigarelli, S. A.; Edwards, J. 1975. Effect of Plume Residence on the Accumulation of Cesium-137 by Lake Michigan Salmonids. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 180-183. Argonne, Illinois.
1959. Spigarelli, S. A.; Holpuch, R. 1975. Plume Residence and Toxic Material Accumulation. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1975. ANL-75-60, Part III, pp. 81-83. Argonne, Illinois.
1960. Spigarelli, S. A.; Nelson, D. M. 1972. Cesium-137 Concentrations of Lake Michigan Alewives and Sculpins between 1960 and 1972. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1972. ANL-7960, Part III, pp. 25-30. Argonne, Illinois.
1961. Spigarelli, S. A.; Prepejchal, W. 1972. The Effects of a Thermal Discharge on the Inshore Biological Communities of Lake Michigan. In: Argonne National Laboratory, Radiol. Physics Div. Annual Report, Jan.-Dec., 1971, ANL-7860, Part III, pp. 109-117. Argonne, Illinois.
1962. Spigarelli, S. A.; Romberg, G. P. 1972. Studies of Fish Distribution in Thermal Plumes and Fish Responses to Reactor Shutdown. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1972, ANL-7960, Part III, pp. 111-112. Argonne, Illinois.

1963. Spigarelli, S. A.; Romberg, G. P. 1976. Impact of Cooling Systems on Lake Michigan Fishes. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976. ANL-76-88, Part III, pp. 17-19. Argonne, Illinois.
1964. Spigarelli, S. A.; Romberg, G. P.; Prepejchal, W.; Thommes, M. M. 1974. Body Temperature Characteristics of Fish at a Thermal Discharge on Lake Michigan. In: Gibbons, J. W., and Sharitz, R. R. (eds.). Thermal Ecology, Proceedings Symposium, May 3-5, 1973, Augusta, Georgia, pp. 119-132. U.S. Atomic Energy Commission. Oak Ridge, Tennessee.
1965. Spigarelli, S. A.; Romberg, G. P.; Thommes, M. M.; Prepejchal, W. 1976. Thermal Plume Residence and Temperature Exposure of Salmonid Fishes. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976, ANL-76-88, Part III, pp. 9-13. Argonne, Illinois.
1966. Spigarelli, S. A.; Romberg, G. P.; Thorne, R. E. 1973. A Technique for Simultaneous Echo Location of Fish and Thermal Plume Mapping. Trans. Am. Fish. Soc. 102(2): 462-466.
1967. Spigarelli, S. A.; Sharma, R. K. 1975. Fish Species Composition, Density-Distribution Patterns, and Impingement during Upwelling. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1975, ANL-75-60, Part III, pp. 96. Argonne, Illinois.
1968. Spigarelli, S. A.; Smith, D. W. 1975. Growth of Plume "Resident" Fishes in Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 173-179. Argonne, Illinois.
1969. Spigarelli, S. A.; Smith, D. W. 1976. Growth of Salmonid Fishes from Heated and Unheated Areas of Lake Michigan--Measured by RNA-DNA Ratios. In: Esch, G. W., and McFarlane, R. W. (eds.). Thermal Ecology II, Proceedings Symposium, April 2-5, 1975. Augusta, Georgia, pp. 100-105. Energy Res. and Development Admin. Washington, D.C.
1970. Spigarelli, S. A.; Thommes, M. M. 1972. Sport Fishing Survey at the Point Beach Nuclear Power Plant. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1972, ANL-7960, Part III, pp. 102-110. Argonne, Illinois.
1971. Spigarelli, S. A.; Thommes, M. M. 1975. Body Temperatures of Fish Feeding in the Point Beach Thermal Discharge. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 169-172. Argonne, Illinois.
1972. Spigarelli, S. A.; Thommes, M. M. 1976. Sport Fishing at a Thermal Discharge Into Lake Michigan. J. Great Lakes Res. 2(1): 99-110.
1973. Spigarelli, S. A.; Thommes, M. M.; Beiting, T. L. 1975. Body Temperature Change Characteristics of Lake Michigan Fishes. In: Argonne National Laboratory, RER Div. Annual Report No. ANL-75-3, Part III, pp. 164-168. Argonne, Illinois.

1974. Spigarelli, S. A.; Thommes, M. M.; Prepejchal, W. 1972. Fish Body Temperature Studies at the Point Beach Thermal Discharge. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1972. ANL-7960, Part III, pp. 89-101. Argonne, Illinois.
1975. Spigarelli, S. A.; Vigneau, D. 1972. Effects of Waste Heat on Periphyton Production in Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1972, ANL-7960, Part III, pp. 113-116. Argonne, Illinois.
1976. Sridharan, N. 1972. Aqueous Environmental Chemistry of Phosphorus in Lower Green Bay, Wisconsin. Ph.D. thesis. University of Wisconsin-Madison. 312 pp.
1977. Sridharan, N.; Lee, G. F. 1974. Phosphorus Studies in Lower Green Bay, Lake Michigan. J. Water Pollut. Control Fed. 46(4): 684-696.
1978. Stanley, J. G. 1969. Seasonal Changes in the Electrolyte Metabolism in the Alewife, *Alosa pseudoharengus*, in Lake Michigan. In: Proceedings 12th Conference Great Lakes Research, pp. 91-97. Internat. Assoc. Great Lakes Res.
1979. Stanley, J. G.; Colby, P. J. 1971. Effects of Temperature on Electrolyte Balance and Osmoregulation in the Alewife (*Alosa pseudoharengus*) in Fresh and Sea Water. University of Wisconsin Sea Grant Program Reprint No. WIS-SG-71-320. Madison, Wisconsin; and National Science Foundation Rep. No. NSF-GB-7003; and NOAA Rep. No. NOAA-72061411. 18 pp.
1980. Stark, J. 1975. Annotated Bibliography of Geological, Hydrological, Soils and Climatological Information for Wisconsin's Great Lakes Coastal Zone Communities. Wisconsin Dept. of Admin., Coastal Manag. Development Prog. Madison, Wisconsin. 116 pp.
1981. Starkey, R. J.; Howell, J. H. 1966. Substituted Nitrosalicylanilides: A New Class of Selectively Toxic Sea Lamprey Larvacides. In: Great Lakes Fishery Comm. Tech. Rep. No. 11, pp. 21-29. Ann Arbor, Michigan.
1982. State of Illinois, Lake Michigan and Adjoining Lands Study Commission. 1971. First Report of the Lake Michigan and Adjoining Land Study Commission of the State of Illinois. Lake Michigan and Adjoining Lands Study Commission Report to the Governor and the 77th General Assembly, Vol. I. Summary Report. 38 pp.
1983. Stauffer, T. M. 1961. Distribution of Sea Lamprey *Ammocetes* in Lake Michigan Tributaries of the Upper Peninsula of Michigan 1955-1959. Michigan Dept. Conserv., Institute Fish. Res., Misc. Pub. No. 14.
1984. Stauffer, T. M. 1970. Fecundity of Coho Salmon from Lake Michigan. Michigan Dept. Nat. Resour., Fish. Res. Rep. No. 1771; and Res. and Develop. Rep. No. 212. 15 pp.

1985. Stauffer, T. M. 1971. Great Lakes Fish Biology and Population Ecology. Reproduction by Steelhead (Rainbow) Trout Transferred to a Spawning Area. Michigan Dept. Nat. Resour., Final Report, Dingell-Johnson Proj. No. F-31-R-4, Job No. 2, July 1, 1969-June 30, 1970.
1986. Stauffer, T. M. 1972. Determine Distinguishing Characteristics of Hatchery-Reared and Feral Adult Coho Salmon. Michigan Dept. Nat. Resour., Job Progress Report, Dingell-Johnson Proj. No. II-6, July 1, 1971-June 30, 1972.
1987. Stauffer, T. M. 1972. Estimate Number of Coho Salmon Spawners. Michigan Dept. Nat. Resour., Progress Report, Dingell-Johnson Proj. No. F-31-R-6, Study No. II, Job. No. II-5, July 1, 1971 through June 30, 1972.
1988. Stauffer, T. M. 1972. Age, Growth, and Downstream Migration of Juvenile Rainbow Trout in a Lake Michigan Tributary. Trans. Am. Fish. Soc. 101(1): 18-28.
1989. Stauffer, T. M. 1973. Estimate Number of Coho Salmon Spawners. Michigan Dept. Nat. Resour., Job Progress Report, Dingell-Johnson Proj. No. F-31-R-7, Study No. II, Job. No. II-5, July 1, 1972-June 30, 1973.
1990. Stauffer, T. M. 1973. Fecundity of Coho Salmon from Lakes Michigan and Superior. Michigan Dept. Nat. Resour., Fish. Res. Rep. No. 1806. 21 pp.
1991. Stauffer, T. M. 1974. Estimate Number of Coho Salmon Spawners. Michigan Dept. Nat. Resour., Job Progress Report, Dingell-Johnson Proj. No. F-31-R-8, Study No. V, Job. No. V-3, July 1, 1973-June 30, 1974.
1992. Stauffer, T. M. 1976. Fecundity of Coho Salmon (*Oncorhynchus kisutch*) from the Great Lakes and a Comparison with Ocean Salmon. J. Fish. Res. Board Can. 33(5): 1150-1155.
1993. Stauffer, T. M.; Peck, J. W.; Wagner, W. C. 1976. Develop Methods of Capture, and Assess Early Survival of Young Lake Trout in Lakes Superior and Michigan. Michigan Dept. Nat. Resour., Study Performance Report, Dingell-Johnson Proj. No. F-35-R-2, Study No. XIII, July 1, 1975-June 30, 1976.
1994. Stauffer, T. M.; Wagner, W. C. 1975. Survival of Lake Trout From Egg to Swim-Up Fry in Lake Michigan. Michigan Dept. Nat. Resour., Annual Progress Report, Dingell-Johnson Proj. No. F-35-R-1, Study No. VI, July 1, 1974-June 30, 1975.
1995. Stauffer, T. M.; Wagner, W. C. 1976. Survival of Lake Trout from Egg to Swim-Up Fry in Lake Michigan. Michigan Dept. Nat. Resour., Study Final Report, Dingell-Johnson Proj. No. F-35-R-2, Study No. VI, July 1, 1975-June 30, 1976.
1996. Staver, A. E.; Cole, A. L. 1971. An Air Pollution Model for the Southern Lake Michigan Region. Northern Illinois University, Dept. of Geography. Tech. Rep. No. 54776-2. DeKalb, Illinois. 63 pp.

1997. Stearns, F.; Hole, F. D.; Klopatek, J. 1974. Environmental Status of the Lake Michigan Region, Vol. 9. Soils of the Lake Michigan Drainage Basin -- An Overview. Argonne National Laboratory Rep. No. ANL/ES-40, Vol. 9. Argonne, Illinois. 22 pp.
1998. Stearns, F.; Kobriger, N. 1975. Environmental Status of the Lake Michigan Region, Vol. 10. Vegetation of the Lake Michigan Drainage Basin. Argonne National Laboratory Rep. No. ANL/ES-40, Vol. 10. Argonne, Illinois. 113 pp.
1999. Stemberger, R. S. 1973. Temporal and Spatial Distributions of Rotifers in Milwaukee Harbor and Adjacent Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee. 55 pp.
2000. Stemberger, R. S. 1974. Temporal and Spatial Distributions of Planktonic Rotifers in Milwaukee Harbor and Adjacent Lake Michigan. In: Proceedings 17th Conference Great Lakes Research, Part 1, pp. 120-134. Internat. Assoc. Great Lakes Res.
2001. Stemberger, R. S. 1976. *Notholca laurentiae* and *N. michiganensis*, New Rotifers from the Laurentian Great Lakes Region. J. Fish. Res. Board Can. 33(12): 2814-2818.
2002. Stephenson, M. E.; Waybrant, J. R. 1971. Watershed Analysis Relating to Eutrophication of Lake Michigan. Michigan State University, Institute Water Res. Tech. Rep. No. 11. East Lansing, Michigan 118 pp.
2003. Stewart, J. A. 1974. Lake Michigan Zooplankton Communities in the Area of the Cook Nuclear Power Plant. In: Seibel, E., and Ayers, J. C. (eds.). The Biological, Chemical and Physical Character of Lake Michigan in the Vicinity of the Donald C. Cook Nuclear Plant, pp. 211-332. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 51. Ann Arbor, Michigan.
2004. Stewart, S. R.; Brown, W. L.; Polcyn, F. C. 1972. Multi-Spectral Survey of Power Plant Thermal Effluents in Lake Michigan. University of Michigan, Willow Run Laboratories.
2005. Stewart, W. D. P.; Mague, T. H.; Fitzgerald, G. P.; Burris, R. H. 1971. Nitrogenase Activity in Wisconsin Lakes of Differing Degrees of Eutrophication. New Phytol. 70: 497-509.
2006. Stieglitz, R. D. 1969. A Study of Freshwater Sand Grain Surfaces by Scanning Electron Microscopy. In: Proceedings 12th Conference Great Lakes Research, pp. 351-356. Internat. Assoc. Great Lakes Res.
2007. Stimpson, K. S.; Brice, J. R. 1974. Benthos Study. In: Industrial Bio-Test Laboratories. Operational Environmental Monitoring in Lake Michigan Near Zion Station, July 1973 through June 1974, Volume II, pp. 233-368. Industrial Bio-Test Laboratories Annual Report to Commonwealth Edison Co., Chicago, Illinois.
2008. Stimpson, K. S.; Brice, J. R.; Barbour, M. T.; Howe, P. 1975. Distribution and Abundance of Inshore Oligochaetes in Lake Michigan. Trans. Am. Microsc. Soc. 94(3): 384-394.

2009. Stockwell, G. A. 1976. Fishes and Fishing of the Great Lakes--Bass, Perch, Herring, and Suckers. *For. Stream.* 5(22): 343.
2010. Stoermer, E. F. 1967. An Historical Comparison of Offshore Phytoplankton Populations in Lake Michigan. In: Ayers, J. C., and Chandler, D. C. (eds.). *Studies on the Environment and Eutrophication of Lake Michigan*, pp. 47-77. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
2011. Stoermer, E. F. 1968. Nearshore Phytoplankton Populations in the Grand Haven, Michigan Vicinity During Thermal Bar Conditions. In: *Proceedings 11th Conference Great Lakes Research*, pp. 137-150. Internat. Assoc. Great Lakes Res.
2012. Stoermer, E. F. 1972. Statement on the Phosphorus Issue. In: *Conference in the Matter of Pollution of Lake Michigan and Its Tributary Basin in Wisconsin, Illinois, Indiana, and Michigan, Fourth Session, Vol. I*, Sept. 19-21, 1972, pp. 217-254. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. Washington, D.C.
2013. Stoermer, E. F. 1975. The Effects of Energy-Related Effluents on Phytoplankton Communities. In: Marshall, J. S. (ed.). *Proceedings 2nd Federal Conf. on the Great Lakes*, March 25-27, 1975, pp. 409-421. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
2014. Stoermer, E. F. 1975. Comparison of Benthic Diatom Communities in Lake Michigan and Lake Superior. *Int. Ver. Theor. Angew. Limnol. Verh.* 19(2): 932-938.
2015. Stoermer, E. F.; Kopczynska, E. E. 1967. Phytoplankton Populations in the Extreme Southern Basin of Lake Michigan, 1962-1963. In: Ayers, J. C., and Chandler, D. C. (eds.). *Studies on the Environment and Eutrophication of Lake Michigan*, pp. 19-46. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan; and In: *Proceedings 10th Conference Great Lakes Research*, pp. 88-106. Internat. Assoc. Great Lakes Res.
2016. Stoermer, E. F.; Ladewski, T. B. 1976. Apparent Optimal Temperatures for the Occurrence of Some Common Phytoplankton Species in Southern Lake Michigan. University of Michigan, Great Lakes Res. Div., Pub. No. 18. Ann Arbor, Michigan. 49 pp.
2017. Stoermer, E. F.; Schelske, C. L.; Feldt, L. E. 1971. Phytoplankton Assemblage Differences at Inshore Versus Offshore Stations in Lake Michigan and Their Effects on Nutrient Enrichment. In: *Proceedings 14th Conference Great Lakes Research*, pp. 114-118. Internat. Assoc. Great Lakes Res.
2018. Stoermer, E. F.; Schelske, C. L.; Santiago, M. A.; Feldt, L. E. 1972. Spring Phytoplankton Abundance and Productivity in Grand Traverse Bay, Lake Michigan, 1970. In: *Proceedings 15th Conference Great Lakes Research*, pp. 181-191. Internat. Assoc. Great Lakes Res.

2019. Stoermer, E. F.; Yang, J. J. 1969. Plankton Diatom Assemblages in Lake Michigan. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 47. Ann Arbor, Michigan. 273 pp.
2020. Stoermer, E. F.; Yang, J. J. 1970. Distribution and Relative Abundance of Dominant Plankton Diatoms in Lake Michigan. University of Michigan, Great Lakes Res. Div., Pub. No. 16. Ann Arbor, Michigan. 64 pp.
2021. Stoermer, E. F.; Yang, J. J. 1971. Contributions to the Diatom Flora of the Laurentian Great Lakes. I. New and Little-Known Species of *Amphora* (Bacillariophyta Pennatibacillariophyceae). *Phycologia* 10(4): 397-409.
2022. Stout, G. E.; Ackermann, W. C. 1974. Hydrologic-Economic Feasibility Study of Precipitation Augmentation over the Great Lakes. III. State Water Surv. Contract Rep. 156. Urbana, Illinois. 24 pp.
2023. Stout, G. E.; Wilk, K. E. 1962. Influence of Lake Michigan on Squall Line Rainfall. In: Proceedings 5th Conference Great Lakes Research, pp. 111-115. University of Michigan, Great Lakes Res. Div., Pub. No. 9. Ann Arbor, Michigan.
2024. Strang, W. A. 1970. Recreation and the Local Economy. An Input-Output Model of a Recreation Oriented Economy. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-71-204. Madison, Wisconsin. 68 pp.
2025. Strang, W. A.; Ditton, R. B. 1976. The Lake Michigan Charter Fishing Industry: A Product of Love and Taxes. *J. Great Lakes Res.* 2(1): 89-98.
2026. Strommen, N. D. 1975. Seasonal Change in the Axis of Maximum Lake-Snow in Western Lower Michigan. Ph.D. thesis. Michigan State University. 124 pp.
2027. Strong, A. E. 1967. The Over-Water Development of a Lake Breeze in an Offshore Gradient Flow. In: Proceedings 10th Conference Great Lakes Research, pp. 240-250. Internat. Assoc. Great Lakes Res.
2028. Strong, A. E. 1968. The Spring Lake Anticyclone: Its Inducement on the Atmospheric and Water Circulations. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 34. Ann Arbor, Michigan. 146 pp.; and Ph.D. thesis. University of Michigan.
2029. Strong, A. E. 1968. Weather and Waves. *Limnos* 1(2): 22-26.
2030. Strong, A. E. 1971. The Influence of a Great Lake Anticyclone on the Atmospheric Circulation. NOAA Rep. No. NOAA-72083103; and National Science Foundation Rep. No. NSF-GA-1337. 17 pp.
2031. Strong, A. E. 1972. The Influence of a Great Lake Anticyclone on the Atmospheric Circulation. *J. Appl. Meteorol.* 11: 598-612.

2009. Stockwell, G. A. 1976. Fishes and Fishing of the Great Lakes--Bass, Perch, Herring, and Suckers. *For. Stream.* 5(22): 343.
2010. Stoermer, E. F. 1967. An Historical Comparison of Offshore Phytoplankton Populations in Lake Michigan. In: Ayers, J. C., and Chandler, D. C. (eds.). *Studies on the Environment and Eutrophication of Lake Michigan*, pp. 47-77. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan.
2011. Stoermer, E. F. 1968. Nearshore Phytoplankton Populations in the Grand Haven, Michigan Vicinity During Thermal Bar Conditions. In: *Proceedings 11th Conference Great Lakes Research*, pp. 137-150. Internat. Assoc. Great Lakes Res.
2012. Stoermer, E. F. 1972. Statement on the Phosphorus Issue. In: *Conference in the Matter of Pollution of Lake Michigan and Its Tributary Basin in Wisconsin, Illinois, Indiana, and Michigan, Fourth Session, Vol. I*, Sept. 19-21, 1972, pp. 217-254. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. Washington, D.C.
2013. Stoermer, E. F. 1975. The Effects of Energy-Related Effluents on Phytoplankton Communities. In: Marshall, J. S. (ed.). *Proceedings 2nd Federal Conf. on the Great Lakes*, March 25-27, 1975, pp. 409-421. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
2014. Stoermer, E. F. 1975. Comparison of Benthic Diatom Communities in Lake Michigan and Lake Superior. *Int. Ver. Theor. Angew. Limnol. Verh.* 19(2): 932-938.
2015. Stoermer, E. F.; Kopczynska, E. E. 1967. Phytoplankton Populations in the Extreme Southern Basin of Lake Michigan, 1962-1963. In: Ayers, J. C., and Chandler, D. C. (eds.). *Studies on the Environment and Eutrophication of Lake Michigan*, pp. 19-46. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 30. Ann Arbor, Michigan; and In: *Proceedings 10th Conference Great Lakes Research*, pp. 88-106. Internat. Assoc. Great Lakes Res.
2016. Stoermer, E. F.; Ladewski, T. B. 1976. Apparent Optimal Temperatures for the Occurrence of Some Common Phytoplankton Species in Southern Lake Michigan. University of Michigan, Great Lakes Res. Div., Pub. No. 18. Ann Arbor, Michigan. 49 pp.
2017. Stoermer, E. F.; Schelske, C. L.; Feldt, L. E. 1971. Phytoplankton Assemblage Differences at Inshore Versus Offshore Stations in Lake Michigan and Their Effects on Nutrient Enrichment. In: *Proceedings 14th Conference Great Lakes Research*, pp. 114-118. Internat. Assoc. Great Lakes Res.
2018. Stoermer, E. F.; Schelske, C. L.; Santiago, M. A.; Feldt, L. E. 1972. Spring Phytoplankton Abundance and Productivity in Grand Traverse Bay, Lake Michigan, 1970. In: *Proceedings 15th Conference Great Lakes Research*, pp. 181-191. Internat. Assoc. Great Lakes Res.

2019. Stoermer, E. F.; Yang, J. J. 1969. Plankton Diatom Assemblages in Lake Michigan. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 47. Ann Arbor, Michigan. 273 pp.
2020. Stoermer, E. F.; Yang, J. J. 1970. Distribution and Relative Abundance of Dominant Plankton Diatoms in Lake Michigan. University of Michigan, Great Lakes Res. Div., Pub. No. 16. Ann Arbor, Michigan. 64 pp.
2021. Stoermer, E. F.; Yang, J. J. 1971. Contributions to the Diatom Flora of the Laurentian Great Lakes. I. New and Little-Known Species of *Amphora* (Bacillariophyta Pennatibacillariophyceae). *Phycologia* 10(4): 397-409.
2022. Stout, G. E.; Ackermann, W. C. 1974. Hydrologic-Economic Feasibility Study of Precipitation Augmentation over the Great Lakes. III. State Water Surv. Contract Rep. 156. Urbana, Illinois. 24 pp.
2023. Stout, G. E.; Wilk, K. E. 1962. Influence of Lake Michigan on Squall Line Rainfall. In: Proceedings 5th Conference Great Lakes Research, pp. 111-115. University of Michigan, Great Lakes Res. Div., Pub. No. 9. Ann Arbor, Michigan.
2024. Strang, W. A. 1970. Recreation and the Local Economy. An Input-Output Model of a Recreation Oriented Economy. University of Wisconsin Sea Grant Program Tech. Rep. No. WIS-SG-71-204. Madison, Wisconsin. 68 pp.
2025. Strang, W. A.; Ditton, R. B. 1976. The Lake Michigan Charter Fishing Industry: A Product of Love and Taxes. *J. Great Lakes Res.* 2(1): 89-98.
2026. Strommen, N. D. 1975. Seasonal Change in the Axis of Maximum Lake-Snow in Western Lower Michigan. Ph.D. thesis. Michigan State University. 124 pp.
2027. Strong, A. E. 1967. The Over-Water Development of a Lake Breeze in an Offshore Gradient Flow. In: Proceedings 10th Conference Great Lakes Research, pp. 240-250. Internat. Assoc. Great Lakes Res.
2028. Strong, A. E. 1968. The Spring Lake Anticyclone: Its Inducement on the Atmospheric and Water Circulations. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 34. Ann Arbor, Michigan. 146 pp.; and Ph.D. thesis. University of Michigan.
2029. Strong, A. E. 1968. Weather and Waves. *Limnos* 1(2): 22-26.
2030. Strong, A. E. 1971. The Influence of a Great Lake Anticyclone on the Atmospheric Circulation. NOAA Rep. No. NOAA-72083103; and National Science Foundation Rep. No. NSF-GA-1337. 17 pp.
2031. Strong, A. E. 1972. The Influence of a Great Lake Anticyclone on the Atmospheric Circulation. *J. Appl. Meteorol.* 11: 598-612.

2032. Strong, A. E. 1976. A Lake Michigan "Whiting." In: ERTS-1: A New Window to Our Planet, pp. 266-269. U.S. Geol. Surv. Prof. Pap. No. 929.
2033. Strong, A. E.; Bellaire, F. R. 1965. The Effect of Air Stability on Wind and Waves. In: Proceedings 8th Conference Great Lakes Research, pp. 283-289. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.
2034. Strong, A. E.; Stumpf, H. G. 1974. An Evaluation of ERTS Data for Oceanographic Uses Through Great Lakes Studies. NASA Rep. Nos. NASA-CR-138295, and NASA ORDER S-70246-AG. 184 pp.
2035. Strong, A. E.; Stumpf, H. G. 1974. An Evaluation of ERTS Data for Oceanographic Uses Through Great Lakes Studies. NASA Rep No. NASA-CR-142925; and NTIS Rep. No. E75-10323. 258 pp.
2036. Strong, A. E.; Stumpf, H. G.; Hart, J. L.; Pritchard, J. A. 1974. Extensive Summer Upwelling on Lake Michigan during 1973 Observed by NOAA-2 and ERTS-1 Satellites. In: Proceedings 9th Internat. Symposium on Remote Sensing of Environ., pp. 923-932. Environ. Res. Institute of Michigan. Ann Arbor, Michigan.
2037. Stuiber, D. A.; Quigley, J. T. 1973. Wastewater Treatment in Fish Processing. In: Proceedings 16th Conference Great Lakes Research, pp. 958-966. Internat. Assoc. Great Lakes Res.
2038. Stumpf, H. G.; Strong, A. E. 1975. Surface Circulation in the Great Lakes Observed by Landsat-1 August 1972-December 1973: Southern Lake Michigan. In: Proceedings Symposium on Earth Resources Survey, Vol. 1-C., pp. 1973-1988. National Atmospheric and Space Admin. Houston, Texas.
2039. Sugiyama, H. 1971. Multiplication of *Clostridium botulinum* Type E in the Great Lakes-Case Study of Green Bay, Wisconsin. Office of Water Resour. Res., Rep. No. OWRR A-026-WIS. Madison, Wisconsin. 22 pp.
2040. Sugiyama, H.; Bott, T. L.; Foster, E. M. 1970. *Clostridium botulinum* Type E in an Inland Bay, Green Bay of Lake Michigan. In: Herzberg, M. (ed.). Proceedings of the First U.S.-Japan Conference on Toxic Microorganisms, pp. 287-29. U.S.-Japan Cooperative Program in Natural Resources, Joint Panels on Toxic Microorganisms, U.S. Dept. of the Interior. Washington, D.C.
2041. Sugiyama, H.; Bott, T. L.; Soucek, J. A. 1972. *Clostridium botulinum* in the Great Lakes. In: Halvorson, H. O., Hanson R., and Campbell, L. L. (eds.). Spores V, pp. 314-318. Am. Soc. for Microbiol.
2042. Sundaram, T. R. 1973. A Theoretical Model for the Seasonal Thermal Cycle of Deep Temperate Lakes. In: Proceedings 16th Conference Great Lakes Research, pp. 1009-1026. Internat. Assoc. Great Lakes Res.
2043. Swain, W. R.; Olson, T. A.; Odlaug, T. O. 1968. Preliminary Studies of Zooplankton Distribution with the Continuous Plankton Recorder. University of Minnesota, Water Resour. Res. Center Bull. No. 7. Minneapolis, Minnesota. 21 pp.

2044. Swain, W. R.; Olson, T. A.; Odlaug, T. O. 1970. The Ecology of the Second Trophic Level in Lakes Superior, Michigan, and Huron. University of Minnesota, Water Resour. Res. Center Bull. No. 26. Minneapolis, Minnesota. 151 pp.
2045. Swan, C. H. 1968. Meteorological Conditions as Related to Air Pollution, Chicago, Illinois, April 12-13, 1963. ESSA Tech. Memo. WBTM CR-25. U.S. Dept. Commerce, Environ. Sci. Services Admin., Weather Bureau, Central Region. Kansas City, Kansas. 27 pp. (unpublished report).
2046. Swanson Environmental, Inc. 1976. Cooling Water Intake Monitoring Program March 1975-February 1976, Wisconsin Power and Light Company, Edgewater Generating Station, Sheboygan, Wisconsin. Swanson Environmental, Inc.
2047. Taft, C. E. 1975. History of Cladophora in the Great Lakes, Summary of Workshop Presentation. In: Shear, H., and Konasewich, D. E. (eds.). Cladophora in the Great Lakes, pp. 9-15. International Joint Commission, Great Lakes Research Advisory Board. Windsor, Ontario.
2048. Taft, H. D. 1972. Great Lakes Fishery Laboratory. In: Progress in Sport Fishery Research 1970, pp. 216-256. U.S. Bureau of Sport Fish. Wildl. Resour. Pub. No. 106.
2049. Taft, H. D. 1972. Federal Great Lakes Fishery Research Objectives, Priorities, and Projects. In: Davies, T. T. (ed.). Proceedings 1st Federal Conf. on the Great Lakes, pp. 44-47. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
2050. Taft, H. D. 1973. Great Lakes Fishery Laboratory. In: Progress in Sport Fishery Research 1971, pp. 86-120. U.S. Bureau of Sport Fish. Wildl. Resour. Pub. No. 121.
2051. Taft, H. D. 1973. The Impact of Great Lakes Power Generating Plants on Fish Populations. U.S. Bureau Sport Fish. Wildl. 5th Annual Salmon Seminar. April 27, 1973. Michigan City, Indiana. 12 pp.
2052. Talhelm, D. R. 1973. Evaluation of the Demands for Michigan's Salmon and Steelhead Sport Fishery of 1970. Michigan Dept. Nat. Resour., Fish. Div. Tech. Rep. No. 1979.
2053. Tamer, R. 1974. Direct Filtration of Lake Michigan Water. Master's thesis. Illinois Institute of Technology.
2054. Tanner, W. F. 1975. Beach Processes, Berrien County, Michigan. J. Great Lakes Res. 1(1): 171-178.
2055. Tarapchak, S. J.; Stoermer, E. F. 1976. Environmental Status of the Lake Michigan Region, Vol. 4. Phytoplankton of Lake Michigan. Argonne National Laboratory Rep. No. ANL/ES-40, Vol. 4. Argonne, Illinois. 211 pp.

2056. Tatinclaux, J. C.; Jain, S. C.; Pena, J. M.; Kennedy, J. F. 1974. Winter Regime Performance of Cooling Water Discharge Structure, Zion Nuclear Plant, Lake Michigan. Iowa Institute of Hydraul. Res. Rep. No. 157. University of Iowa. Iowa City, Iowa. 63 pp.
2057. Teller, S.; Bardack, D. 1975. New Records of Late Pleistocene Vertebrates from the Southern End of Lake Michigan, USA. Am. Midl. Nat. 94(1): 179-189.
2058. Terrell, R. W.; Green, T. 1974. Investigations of the Surface Velocity Structure of Lake Currents. Limnol. Oceanogr. 17: 158-160.
2059. Texas Instruments Inc. 1975. 1974-1975 Annual Report, Bailly Nuclear-1 Site, encompassing April 1974-February 1975. Northern Indiana Public Service Co. Hammond, Indiana.
2060. Thomas, M. K. 1964. A Survey of Great Lakes Snowfall. In: Proceedings 7th Conference Great Lakes Research, pp. 294-310. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
2061. Thomas, M. L. H. 1962. Observations on the Ecology of *Ammocoetes* of *Petromyzon marinus* L. and *Entosphenus lamottei* LeSeur in the Great Lakes Watershed. Master's thesis. University of Guelph. Guelph, Ontario.
2062. Thomas, N. A. 1972. Lake Michigan Entrainment Studies -- Big Rock Nuclear Power Plant, Escanaba Power Plant, November-December 1971. U.S. Environmental Protection Agency, Large Lakes Res. Station Working Rep. No. 1. Grosse Ile, Michigan.
2063. Thomas, N. A. 1975. Physical-Chemical Requirements. In: Shear, H., and Konasewich, D. (eds.). *Cladophora in the Great Lakes*, pp. 73-91. International Joint Commission, Great Lakes Research Advisory Board. Windsor, Ontario.
2064. Thomas, N. A.; Hartwell, K.; Miller, W. 1975. Great Lakes Nutrient Assessment. In: Proceedings Biostimulation and Nutrient Assessment Workshop, U.S. Environmental Protection Agency Rep. No. EPA 600/3-75-243, pp. 226-243.
2065. Thommes, M. M.; Lucas, H. F., Jr.; Edgington, D. N. 1972. Mercury Concentrations in Fish Taken from Offshore Areas of the Great Lakes. In: Proceedings 15th Conference Great Lakes Research, pp. 192-197. Internat. Assoc. Great Lakes Res.
2066. Thommes, M. M.; Romberg, G. P. 1975. Summary of Recaptures of Fish Tagged at Two Power Plants between 1972 and 1974. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1975, ANL-75-60, Part III, pp. 84-86. Argonne, Illinois.
2067. Thomson, F. J.; Polcyn, F. C.; Bryan, M. L.; Sattinger, I. J.; Malila, W. A. 1974. Use of ERTS-1 Data: Summary Report of Work on Ten Tasks. NTIS Rep. No. E74-10301. NASA Rep. No. NASA-CR-136771. 80 pp.

2068. Tierney, D. P.; Powers, R.; Williams, T.; Hsu, S. C. 1976. Actinomycete Distribution in Northern Green Bay and the Great Lakes. U.S. Environmental Protection Agency Rep. No. EPA-905/9-74-007. 167 pp.
2069. Tiffany, M. A.; Winchester, J. W.; Loucks, R. H. 1968. Natural and Pollution Sources of Iodine, Bromine, and Chlorine in the Great Lakes. University of Michigan, Dept. of Meteorol. and Oceanogr. Pub. No. 151. Ann Arbor, Michigan. 36 pp.
2070. Tiffany, M. A.; Winchester, J. W.; Loucks, R. H. 1969. Natural and Pollution Sources of Iodine, Bromine, and Chlorine in the Great Lakes. J. Water Pollut. Control Fed. 41(7): 1319-1329.
2071. Tillinghast, J. 1971. Environmental Influence on Power Operation. In: Electric Power and Thermal Discharges: Thermal Considerations in the Production of Electric Power, pp. 281-294. Gordon and Breach, New York.
2072. Tingle, A. G. 1971. A Numerical Model of the Lake Michigan Lake Breeze, Including a Review of Theoretical and Observational Studies of Coastal Wind Circulations. Ph.D. thesis. University of Michigan. 153 pp.
2073. Tingle, A. G. 1972. A Numerical Model of the Lake Michigan Lake Breeze. In: Church, H. W., and Luna, R. E. (eds.). Proceedings of a Symposium on Air Pollution, Turbulence, and Diffusion, Los Cruces, New Mexico, Dec., 1971, pp. 376-383.
2074. Tisue, G. T.; Merk, G. P. 1976. Sedimentological and Mineralogical Characteristics of Recent Sediments at Selected Sites in the Southern Basin of Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976, ANL-76-88, Part III, pp. 93-98. Argonne, Illinois.
2075. Tody, W. H. 1968. Introducing the Coho. Limnos 1(1): 17-21.
2076. Tody, W. H.; Tanner, H. A. 1966. Coho Salmon for the Great Lakes. Michigan Dept. Nat. Resour., Fish. Manag. Rep. No. 1. 38 pp.
2077. Tokar, J. V. 1971. Thermal Plumes in Lakes: Compilations of Field Experience. Argonne National Laboratory, Center for Environ. Studies Pub. No. ANL/ES-3. Argonne, Illinois. 169 pp.
2078. Tokar, J. V.; Zivi, S. M.; Frigo, A. A.; Van Loon, L. S.; Frye, D. E.; Tome, C. 1975. Measurements of Physical Phenomena Related to Power Plant Waste Heat Discharges: Lake Michigan, 1973 and 1974. Argonne National Laboratory Rep. No. ANL/WR-75-1. Argonne, Illinois. 352 pp.
2079. Torblaa, R. L. 1968. Effects of Lamprey Larvicides on Invertebrates in Streams. U.S. Fish Wildl. Serv. Spec. Sci. Rep. Fish. 572. 13 pp.
2080. Torke, B. G. 1971. Cladocera of Lake Michigan in the Milwaukee Area. Master's thesis. University of Wisconsin-Milwaukee. 24 pp.

2081. Torke, B. G. 1973. The Distribution of Planktonic Crustacea in Southern Green Bay on 12 July 1971. In: Howmiller, R. P., and Beeton, A. M. (eds.). Report on a Cruise of the R/V NEESKAY in Central Lake Michigan and Green Bay, 8-14 July 1971, pp. 45-55. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 13. Milwaukee, Wisconsin.
2082. Torke, B. G. 1974. An Illustrated Guide to the Identification of the Planktonic Crustacea of Lake Michigan with Notes on their Ecology. University of Wisconsin-Milwaukee, Center for Great Lakes Studies, Spec. Rep. No. 17. Milwaukee, Wisconsin. 42 pp. + 15 Figures.
2083. Torke, B. G. 1975. The Population Dynamics and Life Histories of Crustacean Zooplankton at a Deep-Water Station in Lake Michigan. Ph.D. thesis. University of Wisconsin-Madison. 101 pp.
2084. Torke, B. G. 1976. A Key to the Identification of the Cyclopoid Copepods of Wisconsin, with Notes of their Distribution and Ecology. Wisconsin Dept. Nat. Resour., Res. Rep. No. 88.
2085. Torrey, M. S. 1976. Environmental Status of the Lake Michigan Region, Vol. 3. Chemistry of Lake Michigan. Argonne National Laboratory Rep. No. ANL/ES-40, Vol. 3. Argonne, Illinois. 418 pp.
2086. Torrey, M. S.; Edgington, D. N. 1973. Trace Element Assemblages in Lake Michigan Manganese Nodules. In: Argonne National Laboratory, RER Div. Annual Report, Jan-Dec., 1972. Rep. No. ANL-7960, Part III, pp. 77-84. Argonne, Illinois.
2087. Tower, K. G. 1962. Hydroelectric Power in the Great Lakes-St. Lawrence Basin. In: Pincus, H. J. (ed.). Great Lakes Basin, pp. 195-212. Am. Assoc. Adv. Sci. Pub. No. 71. Washington, D.C.
2088. Traversy, W. J.; Goulden, P. I.; Sheikh, Y. M.; Leacock, J. R. 1975. Levels of Arsenic and Selenium in the Great Lakes Region. Environ. Canada, Inland Waters Directorate Sci. Ser. No. 58. Burlington, Ontario. 18 pp.
2089. Travis, D. R. 1966. Proximate Composition of Lake Michigan Alewife (*Alosa pseudoharengus*). Fish. Ind. Res. 3(2): 1-4.
2090. Truchan, J. G. 1971. Biological Survey of Lake Michigan in the Vicinity of the Consumers Power Company's Campbell Plant's Thermal Discharge, August 11-13, 1970. Michigan Dept. Nat. Resour., Michigan Water Resour. Commission. Lansing, Michigan. 16 pp.
2091. Tsai, C. F.; Raney, E. C. 1974. Systematics of the Banded Darter, *Etheostoma zonale* (Pisces: Percidae). Copeia 1974(1): 1-24.
2092. Turner, D. H. 1972. Inner-Nearshore Topography and Sediment Distribution in Western Lake Michigan at Terry Andrae-Kohler State Park, Wisconsin. Master's thesis. University of Wisconsin-Milwaukee.

2093. U.S. Army Corps of Engineers. 1970. Draft Environmental Statement: Waukegan Harbor, Illinois. U.S. Army Corps of Engineers, Chicago District. Chicago, Illinois. 60 pp.
2094. U.S. Army Corps of Engineers, Buffalo District. 1968. Dredging and Water Quality Problems in the Great Lake - Preliminary Report. U.S. Army Corps of Engineers, Buffalo District. Buffalo, New York.
2095. U.S. Army Corps of Engineers, Buffalo District. 1968. Preliminary Report on Effects of Spoil Disposal at Indiana Harbor, Indiana. In: Dredging and Water Quality Problems in the Great Lakes - Preliminary Report, Appendix A 25. U.S. Army Corps of Engineers, Buffalo District. Buffalo, New York.
2096. U.S. Army Corps of Engineers, Buffalo District. 1969. Dredging and Water Quality Problems in the Great Lakes. Vols. 1-9 and Appendices. U.S. Army Corps of Engineers, Buffalo District. Buffalo, New York.
2097. U.S. Army Corps of Engineers, Chicago District. 1975. Fort Sheridan, Illinois Beach Erosion Control Study. U.S. Army Corps of Engineers, Chicago District.
2098. U.S. Army Corps of Engineers, Chicago District. 1975. Interim Report on Indiana Shoreline Erosion - Draft Environmental Statement. U.S. Army Corps of Engineers. Chicago, Illinois. 19 pp.
2099. U.S. Army Corps of Engineers, Chicago District. 1975. Beach Erosion Control at South Boulevard Beach, Evanston, Illinois. Final Environmental Statement. U.S. Army Corps of Engineers, Chicago District. Chicago, Illinois. 60 pp.
2100. U.S. Army Corps of Engineers, Chicago District. 1975. Interim Report on Illinois Shoreline Erosion, Preliminary Feasibility Report. U.S. Army Corps of Engineers, Chicago District. 138 pp. + Plates.
2101. U.S. Army Corps of Engineers, Chicago District. 1976. Illinois Coastal Zone Management Program, Second Year Work Product. Volume VI. Public Participation Activities by the League of Women Voters, Northeastern Illinois Planning Commission, Lake Michigan Federation. U.S. Army Corps of Engineers, Chicago District. Prepared for the Ill. Coastal Zone Manag. Prog. NOAA Rep. No. NOAA-77071408. 106 pp.
2102. U.S. Army Corps of Engineers, Chicago District. 1976. Illinois Coastal Zone Management Program, Second Year Work Product, Volume III. Shore Stability and Beach and Bluff Protection Methods for the Illinois Shore of Lake Michigan. U.S. Army Corps of Engineers, Chicago District. Prepared for the Ill. Coastal Zone Manag. Prog. 122 pp. + Plates + Figures.
2103. U.S. Army Corps of Engineers, Coastal Engin. Res. Center. 1964. Land Against the Sea. U.S. Army Corps of Engineers, Coastal Engin. Res. Center Misc. Paper No. 4-64. 43 pp.

2104. U.S. Army Corps of Engineers, Coastal Engin. Res. Center. 1975. Littoral Environmental Observation Program. U.S. Army Corps of Engineers, Coastal Engin. Res. Center. Kenosha and Grant Park, Lake Michigan Data Summaries.
2105. U.S. Army Corps of Engineers, Coastal Engin. Res. Center. 1975. Guidelines for Monitoring Shore Protection Structures in the Great Lakes. U.S. Army Corps of Engineers, Coastal Engin. Res. Center Misc. Paper 2-75. Fort Belvoir, Virginia. 38 pp.
2106. U.S. Army Corps of Engineers, Lake Surv. District. 1966. U.S. Lake Survey Gage Replacement and Improvement Program. U.S. Army Corps of Engineers, Lake Survey District. Detroit, Michigan.
2107. U.S. Army Corps of Engineers, Lake Surv. District. 1967. Total Atmospheric Water Vapor Aloft Over the Great Lakes Basin. U.S. Army Corps of Engineers, Lake Survey District Rep. No. 5-3. Detroit, Michigan.
2108. U.S. Army Corps of Engineers, Lake Surv. District. 1969. Aerial Photography of Menominee Harbor, Mich. and Wis. U.S. Army Corps of Engineers. Detroit, Michigan.
2109. U.S. Army Corps of Engineers, North Central Div. 1965. Water Levels of the Great Lakes, Report on Lake Regulation, Appendix B. Lake Regulation. U.S. Army Corps of Engineers, North Central Div. Chicago, Illinois.
2110. U.S. Army Corps of Engineers, North Central Div. 1965. Water Levels of the Great Lakes, Report on Lake Regulation, Appendix F. Regulatory Works. U.S. Army Corps of Engineers, North Central Div. Chicago, Illinois.
2111. U.S. Army Corps of Engineers, North Central Div. 1965. Water Levels of the Great Lakes, Report on Lake Regulation, Appendix C. Affect of Lake Regulation on Shore Property. U.S. Army Corps of Engineers, North Central Div. Chicago, Illinois.
2112. U.S. Army Corps of Engineers, North Central Div. 1965. Water Levels of the Great Lakes, Report on Lake Regulation, Main Report. U.S. Army Corps of Engineers, North Central Div. Chicago, Illinois.
2113. U.S. Army Corps of Engineers, North Central Div. 1965. Water Levels of the Great Lakes, Report on Lake Regulation, Appendix D. Affect of Lake Regulation on Navigation. U.S. Army Corps of Engineers, North Central Div. Chicago, Illinois.
2114. U.S. Army Corps of Engineers, North Central Div. 1965. Water Levels of the Great Lakes, Report on Lake Regulation, Appendix A. Hydraulics and Hydrology. U.S. Army Corps of Engineers, North Central Div. Chicago, Illinois.

2115. U.S. Army Corps of Engineers, North Central Div. 1971. Great Lakes Shoreline Damage: Causes and Protective Measures. U.S. Army Corps of Engineers, North Central Div. General Info. Pamphlet. Chicago, Illinois. 23 pp. (multiple years).
2116. U.S. Army Corps of Engineers, North Central Div. 1971. State of Illinois. In: National Shoreline Study, Vol. 8: Great Lakes Region Inventory Report, Section 5, pp. 65-72. U.S. Army Corps of Engineers, North Central District. Chicago, Illinois.
2117. U.S. Army Corps of Engineers, North Central Div. 1971. National Shoreline Inventory, Vol. 8: Great Lakes Region Inventory Report. U.S. Army Corps of Engineers, North Central Div. Chicago, Illinois. 221 pp.
2118. U.S. Army Corps of Engineers. 1965. City of Evanston, Illinois, Beach Erosion Control Study. 89th Congress, 1st Session, House Doc. No. 159. Washington, D.C. 68 pp.
2119. U.S. Army Corps of Engineers. 1967. New Buffalo Harbor, Michigan. U.S. Congress, 87th, 2nd Session. House Document 48.
2120. U.S. Army Corps of Engineers. 1970. Draft Environmental Statement: Indiana Harbor, Indiana, Maintenance Dredging and Disposal. U.S. Army Corps of Engineers, Chicago District. Chicago, Illinois. 50 pp.
2121. U.S. Army Corps of Engineers. 1971. Shore Protection Guidelines. U.S. Army Corps of Engineers. Washington, D.C. 59 pp.
2122. U.S. Army Corps of Engineers. 1971. National Shoreline Study: Shore Management Guidelines. U.S. Army Corps of Engineers. Washington, D.C. Report prepared by the Center for the Environment and Man, Inc. Contract No. DAWC 73-71-C-0037. Hartford, Connecticut. 56 pp.
2123. U.S. Army Corps of Engineers. 1972. Alternatives for Managing Wastewater in Chicago-South End Lake Michigan Area, Summary Report, Vol. 1. U.S. Army Corps of Engineers. Chicago, Illinois. 100 pp.
2124. U.S. Army Corps of Engineers. 1972. Section 107, Reconnaissance Report: Illinois Beach State Park, Illinois. U.S. Army Corps of Engineers. Chicago, Illinois. 15 pp.
2125. U.S. Army Corps of Engineers. 1972. Final Environmental Statement: Lake Bluff Beach Erosion Control, Illinois. U.S. Army Corps of Engineers, Chicago District. Chicago, Illinois. 87 pp.
2126. U.S. Army Corps of Engineers. 1973. Wastewater Management Study For Chicago-South End of Lake Michigan Area, Appendix C. Plan Formulation. U.S. Army Corps of Engineers, Chicago District. 174 pp.
2127. U.S. Army Corps of Engineers. 1973. Wastewater Management Study For Chicago-South End of Lake Michigan Area, Appendix G. Valuation. U.S. Army Corps of Engineers, Chicago District. 229 pp.

2128. U.S. Army Corps of Engineers. 1973. Wastewater Management Study For Chicago-South End of Lake Michigan Area, Appendix H. Public Involvement/Participation Program. U.S. Army Corps of Engineers, Chicago District. 556 pp.
2129. U.S. Army Corps of Engineers. 1973. Wastewater Management Study For Chicago-South End of Lake Michigan Area, Appendix F. Institutional Considerations. U.S. Army Corps of Engineers, Chicago District. 81 pp.
2130. U.S. Army Corps of Engineers. 1973. Wastewater Management Study For Chicago-South End of Lake Michigan Area, Appendix E. Social-Environmental Evaluation. U.S. Army Corps of Engineers, Chicago District. 84 pp.
2131. U.S. Army Corps of Engineers. 1973. Wastewater Management Study for Chicago-South End of Lake Michigan Area, Appendix D. Description and Cost Alternatives. U.S. Army Corps of Engineers, Chicago District.
2132. U.S. Army Corps of Engineers. 1973. Wastewater Management Study for Chicago-South End of Lake Michigan Area, Appendix B. Basis of Design and Cost and Data Annex. U.S. Army Corps of Engineers, Chicago District.
2133. U.S. Army Corps of Engineers. 1973. Wastewater Management Study for Chicago-South End of Lake Michigan Area, Appendix A. Background Information. U.S. Army Corps of Engineers, Chicago District.
2134. U.S. Army Corps of Engineers. 1973. National Shoreline Study - Vol. I and IV. U.S. Army Corps of Engineers. U.S. Government Printing Office, House Doc. No. 93-121. Washington, D.C.
2135. U.S. Army Corps of Engineers. 1973. Maintenance Dredging Operations and Combined Diked Disposal Area for Kenosha Harbor and Racine Harbor, Wisconsin. U.S. Army Corps of Engineers, Chicago District. Chicago, Illinois. NTIS Rep. No. EIS-WI-73-0885-D. ELR-0885. 74 pp.
2136. U.S. Army Corps of Engineers. 1974. Wastewater Management Study For Chicago-South End of Lake Michigan Area. Summary Report. U.S. Army Corps of Engineers, Chicago District. 166 pp.
2137. U.S. Army Corps of Engineers. 1974. Wastewater Management Study For Chicago-South End of Lake Michigan Area, Appendix I. Comments. U.S. Army Corps of Engineers, Chicago District. 198 pp.
2138. U.S. Army Corps of Engineers, Chicago District. 1974. Beach Erosion Control at South Boulevard Beach, Evanston, Illinois. Environmental Statement. Draft. U.S. Army Corps of Engineers, Chicago District. Chicago, Illinois. 56 pp.
- 2139a. U.S. Army Corps of Engineers. 1974. Reconnaissance Report on Shore Erosion - Racine, Wisconsin. U.S. Army Corps of Engineers, Chicago District. Chicago, Illinois.

- 2139b. U.S. Army Corps of Engineers. 1974. Lake Michigan Regional Boating Survey and Analysis. U.S. Army Corps of Engineers, Chicago District. Chicago, Illinois. 100 pp.
2140. U.S. Army Corps of Engineers. 1975. Maintenance Dredging and Contained Disposal of Dredge Materials at Green Bay Harbor, Wisconsin. Draft Environmental Statement. U.S. Army Corps of Engineers. Chicago, Illinois.
2141. U.S. Army Corps of Engineers. 1975. Mitigation of Shore Damage Attributed to the Federal Navigation Structures at Ludington Harbor, Michigan. U.S. Army Corps of Engineers. 213 pp.
2142. U.S. Army Corps of Engineers. 1975. Final Environment Statement -- Maintenance Dredging of the Federal Navigation Channels in the St. Mary's River and Straits of Mackinac, Michigan. U.S. Army Corps of Engineers, Detroit District.
2143. U.S. Army Corps of Engineers. 1975. Channel Operation and Maintenance. U.S. Army Corps of Engineers, Detroit District.
2144. U.S. Army Corps of Engineers. 1975. Section 103, Reconnaissance Report: Shore Erosion Control Study, Racine County, Wisconsin. U.S. Army Corps of Engineers. Chicago, Illinois.
2145. U.S. Army Corps of Engineers. 1975. Section 103, Reconnaissance Report: Shore Erosion Control Study, Lake Forest, Illinois. U.S. Army Corps of Engineers. Chicago, Illinois.
2146. U.S. Army Corps of Engineers. 1975. Lake Michigan Shoreline, Milwaukee County, Wisconsin, Preliminary Feasibility Report. U.S. Army Corps of Engineers.
2147. U.S. Army Corps of Engineers. 1976. Help Yourself: A Discussion of Erosion Problems on the Great Lakes and Alternative Methods of Shore Protection. U.S. Army Corps of Engineers, North Central Division, Chicago, Illinois.
2149. U.S. Atomic Energy Commission. 1972. Final Environmental Statement Related to Operation of Palisades Nuclear Generating Plant, Consumers Power Co. U.S. Atomic Energy Commission. NTIS Rep. No. DOCKET 50-255-92.
2150. U.S. Atomic Energy Commission. 1972. Draft Environmental Impact Statement for Bailly Generating Station Nuclear-1 of Northern Indiana Public Service Co. U.S. Atomic Energy Commission. NTIS Rep. No. DOCKET 50-367-28.
2151. U.S. Atomic Energy Commission. 1972. Final Environmental Statement Related to Operation of Point Beach Nuclear Plant, Units 1 and 2. Wisconsin Electric Power Co. and Wisconsin-Michigan Power Co. U.S. Atomic Energy Commission. NTIS Rep. Nos. DOCKET 50-266-67 and 50-301-56.

2152. U.S. Atomic Energy Commission. 1972. Final Environmental Statement Related to Operation of Zion Nuclear Power Station, Units 1 and 2, Commonwealth Edison Company. U.S. Atomic Energy Commission. NTIS Rep. Nos. DOCKET 50-295 and 50-304-55.
2153. U.S. Bureau Commercial Fish. 1965. Report on Commercial Fisheries Resources of the Lake Michigan Basin. U.S. Bureau Commer. Fish.
- 2154a. U.S. Coast Guard. 1970. Light List, Volume IV. Great Lakes, United States and Canada. U.S. Coast Guard. Washington, D.C. 218 pp.
- 2154b. U.S. Comptroller General. 1971. Environmental and Economic Problems associated with the Development of the Burns Waterway Harbor, Indiana. U.S. Comptroller General. NTIS Rep. No. PB-257 325. Washington, D.C. 44 pp.
2155. U.S. Comptroller General. 1975. Cleaning Up The Great Lakes: United States and Canada Are Making Progress In Controlling Pollution From Cities and Towns. U.S. Comptroller General. Washington, D.C. 36 pp.
2156. U.S. Congress, 89th. House Committee on Government Operations. 1964. Water Pollution Control and Abatement, Part 3, Chicago Area and Lower Lake Michigan. U.S. Congress, 89th, 1st Session. House Committee on Government Operations. Washington, D.C. pp. 2083-2379.
2157. U.S. Congress, 93rd. 1973. Status Report on the Water Levels of the Great Lakes. U.S. Congress, 93rd. 1st Session House Committee on Public Works. Subcommittee on Water Resources. Washington, D.C. 44 pp.
2158. U.S. Congress, 93rd. 1973. The Great Lakes--Part I: The 1973 Floods and Activities of the International Joint Commission, United States and Canada. U.S. Congress, 93rd. 1st Session House Committee on Foreign Affairs. Subcommittee on Inter-American Affairs. U.S. Government Printing Office, Washington, D.C. 713 pp.
2159. U.S. Congress, 93rd. 1974. Diversion and Withdrawl of Additional Water From Lake Michigan into the Illinois Waterway. U.S. Congress, 93rd. 2nd Session House Committee on Public Works. Subcommittee on Water Resources. Washington, D.C. 77 pp.
2160. U.S. Dept. of Health, Education, and Welfare. 1963. Lake Michigan Studies. Special Report Number LM 1. Trends in Water Quality -- Southern Basin. U.S. Public Health Serv., Region V, Div. of Water Supply and Pollut. Control. Great Lakes-Illinois River Basins Project. Chicago, Illinois. 16 pp.
2161. U.S. Dept. of Health, Education, and Welfare. 1963. Lake Michigan Studies. Special Report Number LM 11. Currents at Fixed Stations Near Chicago. U.S. Public Health Serv., Region V., Div. of Water Supply and Pollut. Control. Great Lakes-Illinois River Basins Project. Chicago, Illinois. 37 pp.

2162. U.S. Dept. of Health, Education, and Welfare. 1963. Lake Michigan Studies. Special Report Number LM 5. Microbiological Investigations. U.S. Public Health Serv., Region V, Div. of Water Supply and Pollut. Control. Great Lakes-Illinois River Basins Project. Chicago, Illinois. 108 pp.
2163. U.S. Dept. of Health, Education, and Welfare. 1963. Lake Michigan Studies. Special Report Number LM 9. Lake Currents at a Single Station. U.S. Public Health Serv., Region V, Div. of Water Supply and Pollut. Control. Great Lakes-Illinois River Basins Project. Chicago, Illinois. 15 pp.
2164. U.S. Dept. of Health, Education, and Welfare. 1963. Lake Michigan Studies. Special Report Number LM 7. Introduction to Lake Current Studies. U.S. Public Health Serv., Region V, Div. of Water Supply and Pollut. Control. Great Lakes-Illinois River Basins Project. Chicago, Illinois. 14 pp.
2165. U.S. Dept. of Health, Education, and Welfare. 1963. Lake Michigan Studies. Spec. Rep. Number LM 3. Physical and Chemical Investigations. U.S. Public Health Serv., Region V, Div. of Water Supply and Pollut. Control. Great Lakes-Illinois River Basins Project. Chicago, Illinois. 31 pp.
2166. U.S. Dept. of Health, Education, and Welfare. 1963. Lake Michigan Studies. Spec. Rep. Number LM 8. Lake Temperatures. U.S. Public Health Serv., Region V, Div. of Water Supply and Pollut. Control. Great Lakes-Illinois River Basins Project. Chicago, Illinois. 12 pp.
2167. U.S. Dept. of Health, Education, and Welfare. 1963. Lake Michigan Studies. Special Report Number LM 4. Biological Investigations. U.S. Public Health Serv., Region V, Div. of Water Supply and Pollut. Control. Great Lakes-Illinois River Basins Project. Chicago, Illinois. 20 pp.
2168. U.S. Dept. of Health, Education, and Welfare. 1963. Lake Michigan Studies. Special Report Number LM 10. Drogue Surveys of Lake Currents Near Chicago. U.S. Public Health Serv., Region V, Div. of Water Supply and Pollut. Control. Great Lakes-Illinois River Basins Project. Chicago, Illinois. 16 pp.
2169. U.S. Dept. of Health, Education, and Welfare. 1963. Lake Michigan Studies. Special Report Number LM 6. Radiochemical Investigations. U.S. Public Health Serv., Region V, Div. of Water Supply and Pollut. Control. Great Lakes-Illinois River Basins Project. Chicago, Illinois. 59 pp.
2170. U.S. Dept. of Health, Education, and Welfare. 1963. Lake Michigan Studies. Special Report Number LM 2. Sampling Surveys. U.S. Public Health Serv., Region V, Div. of Water Supply and Pollut. Control. Great Lakes-Illinois River Basins Project, Parts 1 and 2. Chicago, Illinois.

2171. U.S. Dept. of Health, Education, and Welfare. 1965. Conference in the Matter of Pollution of the Interstate Waters of the Grand Calumet River, Little Calumet River, Calumet River, Lake Michigan, Wolf Lake and Their Tributaries (Indiana-Illinois), March 2-9, 1965. U.S. Dept. of Health, Education, and Welfare. Vols. 1-5. Chicago, Illinois. 1606 pp.
2172. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin., Great Lakes Region. 1967. Lake Currents. Fed. Water Pollut. Control Admin., Great Lakes Region. Great Lakes-Illinois River Basins Project. Chicago, Illinois. 364 pp.
2173. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1966. Comprehensive Water Pollution Control Program for the Lake Michigan Basin -- Milwaukee Area, Wisconsin. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin., Region V. Great Lakes-Illinois River Basins Project, Vol. 1. Chicago, Illinois. 70 pp.
2174. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1966. Report on the Water Quality of Lower Lake Michigan, Calumet River, Grand Calumet River, Little Calumet River and Wolf Lake By Department of the Interior for the Period January 1966 Through June 1966. U.S. Dept. of the Interior. Fed. Water Pollut. Control Admin. Chicago, Illinois. 74 pp.
2175. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1966. Comprehensive Water Pollution Control Program for the Lake Michigan Basin -- Green Bay Area, Michigan and Wisconsin. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin, Region V. Great Lakes-Illinois River Basins Project, Vol. 1. Chicago, Illinois. 103 pp.
2176. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1966. Conference in the Matter of Pollution of the Interstate Waters of the Grand Calumet River, Little Calumet River, Calumet River, Wolf Lake, Lake Michigan and Their Tributaries, Technical Session, Jan. 4-5, 1966, Chicago, Illinois. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. Vol. 1-3. 582 pp.
2177. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1966. Conference in the Matter of Pollution of the Interstate Waters of the Grand Calumet River, Little Calumet River, Calumet River, Wolf Lake, Lake Michigan and Their Tributaries, Conclusions of the Technical Session, Feb. 2, 1966, Chicago, Illinois, U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 86 pp.
2178. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1967. Report on the Water Quality of Lower Lake Michigan, Calumet River, Grand Calumet River, Little Calumet, and Wolf Lake By Department of the Interior for the Period July 1966 Through December 1966, Illinois-Indiana. U.S. Dept. of the Interior. Fed. Water Pollut. Control Admin. Chicago, Illinois. 79 pp.

2179. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1967.
Water Pollution Problems of the Great Lakes Area - Revised from 1966
Report. U.S. Dept. of the Interior, Fed. Water Pollut. Control
Admin., Great Lakes-Illinois River Basins Project. Chicago, Illinois.
31 pp.
2180. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1967.
Water-Oriented Outdoor Recreation in the Lake Michigan Basin,
Illinois, Wisconsin, Michigan, Indiana. U.S. Dept. of the Interior,
Fed. Water Pollut. Control Admin.; and NTIS Rep. No. PB-230 574/6.
150 pp.
2181. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1967.
Progress Evaluation Meeting: In the Matter of Pollution of the
Interstate Waters of the Grand Calumet River, Little Calumet River,
Calumet River, Wolf Lake, Lake Michigan and Their Tributaries, Wed.,
March 15, 1967, Vol. 1-3. U.S. Dept. of the Interior, Fed. Water
Pollut. Control Admin. 852 pp. + Graphs.
2182. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1967.
Population and Economy, A Technical Report Containing Background Data
for a Water Pollution Control Program. U.S. Dept. of the Interior,
Fed. Water Pollut. Control Admin. Chicago, Illinois. 21 pp.
2183. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1967.
Pollution of the Interstate Waters of the Grand Calumet River, Little
Calumet River, Calumet River, Wolf Lake, Lake Michigan, and their
Tributaries, Proceedings of Conference, 2nd Session, Held at Chicago,
Illinois on Sept. 11, 1967, Vol. 1. U.S. Dept. of the Interior, Fed.
Water Pollut. Control Admin. 641 pp.
2184. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1967.
Report on the Water Quality of Lower Lake Michigan, Calumet River,
Grand Calumet River, Little Calumet River, and Wolf Lake by the Dept.
of the Interior for the Period Jan. 1967 thru June 1967,
Illinois-Indiana. U.S. Dept. of the Interior, Fed. Water Pollut.
Control Admin. 87 pp. + Illustrations.
2185. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1968 Water
Quality Investigations, Lake Michigan Basin: A Technical Report
Containing Background Data for a Water Pollution Control Program.
U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin., Great
Lakes Region. Chicago, Illinois. 81 pp.
2186. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1968.
Conference in the Matter of Pollution of Lake Michigan and its
Tributary Basin, Vol. 1-7. U.S. Dept. of the Interior, Fed. Water
Pollut. Control Admin. Washington, D.C. 3996 pp.
2187. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1968.
Water Quality Investigations, Lake Michigan Basin: Physical and
Chemical Quality Conditions. U.S. Dept. of the Interior, Fed. Water
Pollut. Control Admin., Great Lakes Region, Tech. Rep. Chicago,
Illinois. 81 pp.

2188. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1968. Water Pollution Problems of Lake Michigan and Tributaries. Actions For Clean Water. NTIS Rep. No. PB-260 339/7SL. 79 pp.
2189. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1968. Water Quality Investigations, Lake Michigan Basin: Biology. Fed. Water Pollut. Control Admin., Great Lakes Region, Tech. Rep. Chicago, Illinois. 41 pp.
2190. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1968. Water Pollution Problems of Lake Michigan and Its Tributaries. Actions for Clean Water. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. Chicago, Illinois. 74 pp.
2191. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1968. Pollution of the Interstate Waters of the Grand Calumet River, Little Calumet River, Calumet River, Wolf Lake, Lake Michigan and Their Tributaries, Illinois-Indiana. Proceedings of Conference, 2nd Session, Dec. 11-12, 1968, Vol. 1. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 590 pp.
2192. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1969. Conference in the Matter of Pollution of Lake Michigan and Its Tributary Basin in the States of Wisconsin, Illinois, Indiana, and Michigan, Vol. 1 and 2. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. Washington, D.C. 964 pp.
2193. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1969. Pollution of the Interstate Waters of the Grand Calumet River, Little Calumet River, Calumet River, Wolf Lake, Lake Michigan and Their Tributaries, Indiana-Illinois. Proceedings of Conference. Second Session Reconvened, Aug. 26, 1969. U.S. Environmental Protection Agency. 293 pp.
2194. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 1969. Pollution of the Interstate Waters of the Grand Calumet River, Little Calumet River, Calumet River, Wolf Lake, Lake Michigan and Their Tributaries, Proceedings of Conference, 2nd Session, January 29, 1969, Vol. 2. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 244 pp.
2195. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin., Technical Committee on Water Quality. 1970. Water Quality in the Calumet Area: Conference on Pollution of Lower Lake Michigan, Calumet River, Grand Calumet River, Little Calumet River, and Wolf Lake, Illinois and Indiana. U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin. 131 pp.
2196. U.S. Dept. of the Interior, Fed. Water Pollut. Control Board. 1966. Report of Water Quality Criteria, Calumet Area - Lower Lake Michigan. U.S. Dept. of the Interior, Fed. Water Pollut. Control Board. 20 pp. + Maps.

2197. U.S. Dept. of the Interior, Fed. Water Quality Admin. 1970. Conference in the Matter of Pollution of Lake Michigan and Its Tributary Basin. Third Session, Reconvened, Vol. 1-5. U.S. Dept. of the Interior, Fed. Water Quality Admin. Washington, D.C. 2126 pp.
2198. U.S. Dept. of the Interior, Fed. Water Quality Admin. 1970. Conference in the Matter of Pollution of Lake Michigan and Its Tributary Basin. Third Session and Executive Session, Vol. 1-3. U.S. Dept. of the Interior, Fed. Water Quality Admin. Washington, D.C. 1099 pp.
2199. U.S. Dept. of the Interior, Office of Water Resour. Res. 1968. Analysis of Water and Water-Related Research Requirements in the Great Lakes Region. U.S. Dept. of the Interior, Office of Water Resour. Res. Washington, D.C. 104 pp.
2200. U.S. Dept. of the Interior. 1970. Feasibility of Alternative Means of Cooling for Thermal Power Plants Near Lake Michigan. Fed. Water Pollut. Control Admin., Region V. Prepared by National Thermal Pollut. Res. Prog., Pacific Northwest Water Laboratory, and Fed. Water Pollut. Control Admin., Great Lakes Regional Office. 112 pp.
2201. U.S. Dept. of the Interior. 1972. Water Quality Standards in the Lake Michigan Basin. U.S. Dept. of the Interior. 28 pp.
2202. U.S. Dept. of the Interior. 1972. Lake Michigan, A Bibliography. U.S. Dept. of the Interior, Office Water Resour. Res. Rep. No. WRSIC 72-211. 268 pp.
2203. U.S. Environmental Protection Agency, National Field Investigation Center-Denver; U.S. Environmental Protection Agency, Region V. 1972. Remote Sensing Study of Thermal Discharges to Lake Michigan, Wisconsin, Illinois, Indiana, and Michigan. U.S. Environmental Protection Agency, National Field Investigation Center. Denver, Colorado. 50 pp.
2204. U.S. Environmental Protection Agency, Office of Water Programs. 1972. Radioactivity of Lake Michigan, August-September 1970. Radiat. Data Rep. 13(10): 559-564.
2205. U.S. Environmental Protection Agency, Water Quality Office. 1971. Agricultural Pollution of the Great Lakes Basin. U.S. Environmental Protection Agency, Water Quality Office. 94 pp.
2206. U.S. Environmental Protection Agency. 1972. Report to the Lake Michigan Enforcement Conference on Chloride. U.S. Environmental Protection Agency, Region V. Chicago, Illinois.
2207. U.S. Environmental Protection Agency. 1972. Conference in the Matter of Pollution of Lake Michigan and Its Tributary Basin in the States of Wisconsin, Illinois, Indiana, and Michigan. Fourth Session, Vol. V. U.S. Environmental Protection Agency. Chicago, Illinois. 297 pp.

2208. U.S. Environmental Protection Agency. 1972. Conference in the Matter of Pollution of Lake Michigan and Its Tributary Basin in the States of Wisconsin, Illinois, Indiana, and Michigan. Fourth Session, Vol. IV. U.S. Environmental Protection Agency. Chicago, Illinois. 381 pp.
2209. U.S. Environmental Protection Agency. 1972. Conference in the Matter of Pollution of Lake Michigan and Its Tributary Basin in the States of Wisconsin, Illinois, Indiana, and Michigan. Fourth Session, Vol. III. U.S. Environmental Protection Agency. Chicago, Illinois. 394 pp.
2210. U.S. Environmental Protection Agency. 1972. Conference in the Matter of Pollution of Lake Michigan and Its Tributary Basin in the States of Wisconsin, Illinois, Indiana, and Michigan. Fourth Session, Vol. II. U.S. Environmental Protection Agency. Chicago, Illinois. 286 pp.
2211. U.S. Environmental Protection Agency. 1972. Public Session in the Matter of Pollution of Lake Michigan and Its Tributary Basin in the States of Wisconsin, Illinois, Indiana, and Michigan. U.S. Environmental Protection Agency. Chicago, Illinois. 209 pp.
2212. U.S. Environmental Protection Agency. 1972. Conference in the Matter of Pollution of Lake Michigan and Its Tributary Basin in the States of Wisconsin, Illinois, Indiana, and Michigan. Fourth Session, Vol. I. U.S. Environmental Protection Agency. Chicago, Illinois. 625 pp.
2213. U.S. Environmental Protection Agency. 1973. A Bibliography of Biological, Chemical, and Physical Studies on Lake Michigan. U.S. Environmental Protection Agency FORM 1320-6. 61 pp.
2214. U.S. Environmental Protection Agency. 1975. Statement of Concerns and Suggested Environmental Research: Rep. No. 1 of the Lake Michigan Cooling Water Studies Panel. U.S. Environmental Protection Agency, Lake Michigan Cooling Water Studies Panel. Chicago, Illinois. 382 pp.
2215. U.S. Environmental Protection Agency. 1976. PCBs in the United States: Industrial Use and Environmental Distribution. U.S. Environmental Protection Agency Rep. No. EPA-560/6-76-005.
2216. U.S. Fish Wildl. Serv. 1963. Commercial Fisheries: Research and Development in the Great Lakes and Central Region. U.S. Fish Wildl. Serv. Circ. 147. 38 pp.
2217. U.S. Fish Wildl. Serv. 1963. Water Levels of the Great Lakes. U.S. Fish Wildl. Serv. 56 pp. + Illustrations.
2218. U.S. Fish Wildl. Serv. 1966. Fish and Wildlife as Related to Water Quality of the Lake Michigan Basin. U.S. Fish Wildl. Serv. Spec. Sci. Rep. Fish. 227 pp.
2219. U.S. Fish Wildl. Serv., Great Lakes Fishery Laboratory; Fed. Water Quality Admin., Bureau of Sports Fish. Wildl. 1970. Physical and Ecological Effects of Waste Heat on Lake Michigan. U.S. Fish Wildl. Serv. 101 pp.

2220. U.S. Geol. Surv. 1971. Surface Water Supply of the United States, 1961-65: Part 4. St. Lawrence River Basin, Vol. 1. Basins of Streams Tributary to Lakes Superior, Michigan, and Huron. U.S. Geol. Surv. Water Supply Paper 1911. 651 pp.
2221. University of Illinois at Urbana-Champaign. 1971. Chemistry and Biology of Trace Metals in the Environment. University of Illinois School of Chem. Sci. and School of Life Sci. Seminar Series, Spring, 1971. Urbana, Illinois. 240 pp.
2222. University of Michigan, Great Lakes Res. Div. 1967. Collected Reprints, Volume 1. University of Michigan, Great Lakes Res. Div. Ann Arbor, Michigan.
2223. University of Michigan, Great Lakes Res. Div. 1968. Project Submich. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 33. Ann Arbor, Michigan, 33 pp.
2224. University of Michigan, Great Lakes Res. Div. 1969. Collected Reprints, Volume 2. University of Michigan, Great Lakes Res. Div. Ann Arbor, Michigan.
2225. University of Michigan, Great Lakes Res. Div. 1971. Collected Reprints, Volume 3. University of Michigan, Great Lakes Res. Div. Ann Arbor, Michigan.
2226. University of Michigan, Great Lakes Res. Div. 1973. Collected Reprints, Volume 4. University of Michigan, Great Lakes Res. Div. Ann Arbor, Michigan.
2227. University of Michigan, Great Lakes Res. Div. 1976. Collected Reprints, Volume 5. University of Michigan, Great Lakes Res. Div. Ann Arbor, Michigan.
2228. University of Michigan, Great Lakes Resour. Manag. Prog. 1973. The Development and Enhancement of the Urban Coastal Zone: The Research Requirements for Design, Engineering, and Management. University of Michigan, Great Lakes Resour. Manag. Prog. Ann Arbor, Michigan. 81 pp.
2229. University of Wisconsin Sea Grant Program. 1969. Second Annual Wisconsin Sea Grant Conference for Industrial Executives. University of Wisconsin Sea Grant Program Public Info. Rep. No. WIS-SG-70-102. Madison, Wisconsin. 85 pp.
2230. University of Wisconsin Sea Grant Program. 1972. Multiple-Use Problems in the Great Lakes. University of Wisconsin Sea Grant Program Public Info. Rep. No. WIS-SG-72-107. Madison, Wisconsin. 51 pp.
2231. University of Wisconsin-Green Bay. 1974. Effects of Wisconsin Public Service Corporation's Pulliam Power Plant on Lower Green Bay, January 1973-December 1973. Wisconsin Public Service Corp. Green Bay, Wisconsin.

2232. University of Wisconsin Sea Grant Program. 1971. The Future of Boating on Lake Michigan. University of Wisconsin Sea Grant Program Public Info. Rep. No. WIS-SG-71-106. Madison, Wisconsin. 24 pp.
2233. University of Wisconsin Sea Grant Program. 1971. Geoenvironmental and Mineral Resources. University of Wisconsin Sea Grant Program Public Info. Rep. No. WIS-SG-71-105. Madison, Wisconsin.
2234. University of Wisconsin Sea Grant Program. 1972. Proceedings: Fourth National Sea Grant Conference. University of Wisconsin Sea Grant Program Public Info. Rep. No. WIS-SG-72-112. Madison, Wisconsin. 248 pp.
2235. University of Wisconsin Sea Grant Program. 1974. Permits for Construction of Shore Protection Works on Lake Michigan. University of Wisconsin Sea Grant Program Advisory Rep. No. WIS-SG-74-406. Madison, Wisconsin; and NOAA Rep. No. NOAA-74092304. 15 pp.
2236. University of Wisconsin Sea Grant Program. 1976. Fundamentals of Fish Farming. University of Wisconsin Sea Grant Program Public Info. Rep. No. WIS-SG-76-126. Madison, Wisconsin. 6 pp.
2237. Upchurch, S. B. 1970. Mixed-Population Sediment in Nearshore Environments. In: Proceedings 13th Conference Great Lakes Research, Part 2, pp. 768-778. Internat. Assoc. Great Lakes Res.
2238. Upchurch, S. B. 1972. Natural Weathering and Chemical Loads in the Great Lakes. In: Proceedings 15th Conference Great Lakes Research, pp. 401-415. Internat. Assoc. Great Lakes Res.
2239. Upchurch, S. B. 1973. Lake Michigan Coastal Process: Leland to Manistee, Michigan. In: Geology and the Environment: Man, Earth, and Nature in Northwestern Lower Michigan, Michigan Basin Geological Society Annual Field Excursion, Geological Papers, The Earth, pp. 54-66. Mich. Basin Geol. Soc., Lansing, Michigan.
2240. Upchurch, S. B. 1973. Lake Michigan Coastal Process: Leland to Manistee, Michigan. In: Geology and the Environment: Man, Earth, and Nature in Northwestern Lower Michigan: Michigan Basin Geological Society Annual Field Excursion, Excursion Guides and Road Logs, pp. 204-220. Mich. Basin Geol. Soc., Lansing, Michigan.
- 2241a. Upchurch, S. B. 1976. The Great Lakes Basin. In: Great Lakes Basin Framework Study, Appendix 4. Limnology of Lakes and Embayments, pp. 1-15. Great Lakes Basin Commission. Ann Arbor, Michigan.
- 2241b. Upchurch, S. B. 1976. Lake Basin Physiography. In: Great Lakes Basin Framework Study, Appendix 4. Limnology of Lakes and Embayments, pp. 17-24. Great Lakes Basin Commission. Ann Arbor, Michigan.
- 2241c. Upchurch, S. B. 1976. Chemical Characteristics of the Great Lakes. In: Great Lakes Basin Framework Study, Appendix 4. Limnology of Lakes and Embayments, pp. 151-238. Great Lakes Basin Commission. Ann Arbor, Michigan.

2242. Upchurch, S. B.; Robb, D. C. 1972. Mathematical Models: Planning Tools for the Great Lakes. Water Resour. Bull. 11(8): 338-348.
2243. Urie, D. H. 1971. Lake Michigan Snow Squalls Increase Annual Precipitation in the Udeli Hills. NTIS Rep. No. PB-223 489/6, and FSRN-NC-120. F. 5 pp.
2244. Van Asdall, W. 1962. Aspects of the Ecology of *Corispermum hyssopifolium* L. on the Lake Michigan Sand Dunes. Ph.D. thesis. University of Chicago.
2245. Van Oosten, J. 1960. Temperatures of Lake Michigan, 1930-32. U.S. Fish Wildl. Serv. Spec. Sci. Rep. Fish. 322. 34 pp.
2246. Van Oosten, J. 1961. Records, Ages, and Growth of the Mooneye, *Hiodon tergisus*, of the Great Lakes. Trans. Am. Fish. Soc. 90: 170-174.
2247. Van Oosten, J. 1963. Surface Currents of Lake Michigan, 1931 and 1932. U.S. Fish Wildl. Serv. Spec. Sci. Rep. Fish. 413. 51 pp.
2248. Van der Schalie, H. 1975. An Ecological Approach to Rare and Endangered Species in the Great Lakes Region. Mich. Acad. 8(1): 7-22.
2249. VanLandingham, S. L. 1972. Evaluation of Ecology and Nutrient Status in Northern Green Bay as Indicated by Microalgal Spectral Analysis. Michigan Dept. Nat. Res., Bureau of Water Management, Water Resour. Commission, Green Bay Odor Investigation, Addendum I. Lansing, Michigan. 32 pp. (unpublished.)
2250. VanLandingham, S. L. 1976. Comparative Evaluation of Water Quality on the St. Joseph River (Michigan and Indiana, U.S.A.) By Three Methods of Algal Analysis. Hydrobiologia 48: 145-173.
2251. Vanderhoef, L. N.; Dana, B.; Emerick, D.; Burris, R. H. 1972. Acetylene Reduction in Relation to Levels of Phosphate and Fixed Nitrogen in Green Bay. New Phytol. 71: 1097-1105.
2252. Vanderhoef, L. N.; Huang, C. Y.; Musil, R.; Williams, J. 1974. Nitrogen Fixation (Acetylene Reduction) by Phytoplankton in Green Bay, Lake Michigan, in Relation to Nutrient Concentrations. Limnol. Oceanogr. 19(1): 119-125.
2253. Vaughn, J. C. 1961. Coagulation Difficulties at the South District Filtration Plant. Pure Water 13(3): 45-49.
2254. Vaughn, J. C. 1969. Pollution at the Southern End of Lake Michigan. J. Am. Water Works Assoc. 61(11): 603-609.
2255. Vaughn, J. C. 1970. Lake Michigan Water Quality as Related to Chicago's Water Treatment Plants. In: Conference in the Matter of Pollution of Lake Michigan and Its Tributary Basin, Third Session, Reconvened, pp. 1529-1598. U.S. Dept. of the Interior, Fed. Water Quality Admin. Washington, D.C.

2256. Vaughn, J. C. 1970. Progress Report on Lake Michigan Water Quality as Related to Chicago's Water Treatment Plants. Pure Water 20: 19-32. (Chicago Water Department Publication).
2257. Vaughn, J. C. 1972. Special Lake Water Treatment Problems. J. Am. Water Works Assoc. 64(9): 585-589.
- 2258a. Vaughn, J. C.; Reed, P. A. 1972. Quality Status of Southern Lake Michigan. J. Am. Water Works Assoc. 64(2): 100-107.
- 2258b. Vaughn, J. C.; Reed, P. A. 1973. Progress Report on Water Quality of Lake Michigan Near Chicago. Water and Sewage Works 120(5): 73-80.
2259. Veith, G. D. 1970. Environmental Chemistry of the Chlorobiphenyls in the Milwaukee River. Ph.D. thesis. University of Wisconsin-Madison. 180 pp.
2260. Veith, G. D. 1972. Recent Fluctuations of Chlorobiphenyls (PCBs) in the Green Bay, Wisconsin Region. Environ. Health Perspect. 1: 51-54.
2261. Veith, G. D. 1973. Chlorinated Hydrocarbons in Fish From Lake Michigan. U.S. Environmental Protection Agency, Water Quality Office, Project No. 16020 PBE. 129 pp.
2262. Veith, G. D. 1975. Baseline Concentrations of Polychlorinated Biphenyls and DDT in Lake Michigan Fish, 1971. Pestic. Monit. J. 9(1): 21-29.
2263. Veith, G. D. 1976. Testimony for In the Matter of Proposed Toxic Pollutant Effluent Standards for Polychlorinated Biphenyls (PCBs). U.S. Dept. of the Interior, Fed. Water Pollut. Control Admin., Docket No. 4, Exhibit B. and B-1. U.S. Environmental Protection Agency. Washington, D.C. 4 pp. + 30 pp. + Attachments.
2264. Veith, G. D.; Lee, G. F. 1971. Chlorobiphenyls (PCBs) in the Milwaukee River. Water Res. 5: 1107-1115.
2265. Veith, G. D.; Lee, G. F. 1971. PCBs in Fish from the Milwaukee Region. In: Proceedings 14th Conference Great Lakes Research, pp. 157-169. Internat. Assoc. Great Lakes Res.
2266. Verber, J. L. 1964. Initial Current Studies in Lake Michigan. Limnol. Oceanogr. 9: 426-430.
2267. Verber, J. L. 1964. The Detection of Rotary Currents and Internal Waves in Lake Michigan. In: Proceedings 7th Conference Great Lakes Research, pp. 382-389. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.
2268. Verber, J. L. 1965. Current Profiles to Depth in Lake Michigan. In: Proceedings 8th Conference Great Lakes Research, pp. 364-371. University of Michigan, Great Lakes Res. Div., Pub. No. 13. Ann Arbor, Michigan.

2269. Verber, J. L. 1966. Inertial Currents in the Great Lakes. In: Proceedings 9th Conference Great Lakes Research, pp. 375-379. University of Michigan, Great Lakes Res. Div., Pub. No. 15. Ann Arbor, Michigan.
2270. Verber, J. L. 1966. A Study of Lake Michigan: Chemical, Biological, and Physical. Int. Ver. Theor. Angew. Limnol. Verh. 16: 29-46.
2271. Village of Arlington Heights. 1975. Water System Report. Village of Arlington Heights. Arlington Heights, Illinois. 138 pp.
2272. Visocky, A. P. 1976. A Hydrologic Study of Illinois Beach State Park. Illinois State Water Surv. for the Illinois Dept. Conserv. Contract No. 1-47-26-84-370-00. Springfield, Illinois.
2273. Vitorello, I. 1975. Paleomagnetic Studies of Late Pleistocene and Holocene Sediments from Lake Michigan Cores. Master's thesis. University of Michigan.
2274. Vogel, A. H.; Canale, R. P. 1974. A Food Web Model for Lake Michigan: Part 1. Justification and Development of the Model. Michigan Sea Grant Program Tech. Rep. No. 40. MICHU-SG-74-203. Ann Arbor, Michigan.
2275. Vogel, A. H.; Sygo, J. J.; Kelly, T. M.; Canale, R. P.; Allen, H. E.; Rothman, E. D. 1976. Short Term Transient Variations of Limnological Parameters in Grand Traverse Bay, Lake Michigan. J. Great Lakes Res. 2(1): 193-205.
2276. Vollenweider, R. A.; Munawar, M.; Stadelmann, P. 1974. A Comparative Review of Phytoplankton and Primary Production in the Laurentian Great Lakes. J. Fish. Res. Board Can. 31: 739-762.
2277. Wadsworth, J. R. 1975. Transport Mechanisms Operating on a Recurved Spit, Tawas Point, Michigan. Master's thesis. University of Michigan.
2278. Wagner, W. C. 1968. The Sport Fishery on Little Bay de Noc, 1965. Michigan Dept. Conserv., Fish. Res. Rep. No. 1748; and Res. and Develop. Spec. Rep. No. 146. Lansing, Michigan. 20 pp.
2279. Wagner, W. C. 1970. Utilization of Alewives by Inshore Piscivorous Fishes in Lake Michigan. Michigan Dept. Nat. Resour., Fish. Res. Rep. No. 1770; and Res. and Develop. Rep. No. 208. 33 pp.
2280. Wagner, W. C. 1971. Studies of Alewives in Shoal Waters of the Great Lakes. Michigan Dept. Nat. Resour., Job Progress Report, Dingell-Johnson Proj. No. F-31-R-4, Job. No. 1, July 1, 1969-June 30, 1970.
2281. Wagner, W. C. 1972. Utilization of Alewives by Inshore Piscivorous Fishes in Lake Michigan. Trans. Am. Fish. Soc. 101(1): 55-63.

2282. Wagner, W. C. 1974. Assess Survival of Eggs and Young Lake Trout in Lakes Michigan and Superior. Michigan Dept. Nat. Resour., Job Progress Report, Dingell-Johnson Proj. No. F-31-R-8, Study No. V, Job. No. V-2, July 1, 1973-June 30, 1974.
2283. Wagner, W. C. 1975. Food of Larval Alewives in a Lake Michigan Bay and Notes on Their Distribution, Abundance and Growth. Master's thesis. Northern Michigan University. 40 pp.
2284. Wagner, W. C. 1976. Pink Salmon in Michigan Tributaries of the Great Lakes, 1975. In: Minutes of the Lake Superior Committee, Annual Report for the Year 1976, Appendix IX. Great Lakes Fishery Comm. Ann Arbor, Michigan.
2285. Wagner, W. C.; Stauffer, T. M. 1975. Occurrence of Pink Salmon in Michigan, 1963-1973. Michigan Dept. Nat. Resour., Fish. Div., Tech. Rep. No. 75-3.
2286. Wahlgren, M. A.; Alberts, J. J.; Nelson, D. M.; Orlandini, K. A. 1976. Study of the Behavior of Transuranics and Possible Chemical Homologues in Lake Michigan Water and Biota. In: Proceedings Internat. Symposium on Transuranium Nuclides in the Environment, Nov. 17-21, 1975, San Francisco, California, pp. 9-24. Internat. Atomic Energy Agency. Vienna, Austria.
2287. Wahlgren, M. A.; Edgington, D. N.; Rawlings, F. F.; Rawls, J. L. 1972. Trace Element Determinations on Lake Michigan Tributary Water Samples Using Spark Source Mass Spectrometry. In: Proceedings 15th Conference Great Lakes Research, pp. 298-305. Internat. Assoc. Great Lakes Res.
2288. Wahlgren, M. A.; Marshall, J. S. 1974. Distribution Studies of Plutonium in the Great Lakes. In: Proceedings of the 2nd Internat. Conf. on Nuclear Methods in Environmental Research, pp. 267-275. University of Missouri. Columbia, Missouri.
2289. Wahlgren, M. A.; Marshall, J. S. 1975. The Behavior of Plutonium and Other Long-Lived Radionuclides in Lake Michigan. I. Biological Transport, Seasonal Cycling and Residence Time in the Water Column. In: Proceedings Symposium on Impacts of Nuclear Releases Into the Aquatic Environment, June 30-July 4, Ontaniemi, Finland, pp. 227-243. Internat. Atomic Energy Agency. Vienna, Austria.
2290. Wahlgren, M. A.; Nelson, D. M. 1972. Plutonium in Lake Michigan Water. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1972. ANL-7960, Part III, pp. 7-14. Argonne, Illinois.
2291. Wahlgren, M. A.; Nelson, D. M. 1973. Evidence of an Annual Plutonium Cycle in the Near-Surface Waters of Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1973. ANL-8060, Part III, pp. 6-17. Argonne, Illinois.
2292. Wahlgren, M. A.; Nelson, D. M. 1974. Plutonium in the Five Great Lakes: Comparison of Surface Waters. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1973, ANL-8060, pp. 93-98. Argonne, Illinois.

2293. Wahlgren, M. A.; Nelson, D. M. 1974. Studies of Plutonium Cycling and Sedimentation in Lake Michigan. In: Proceedings 17th Conference Great Lakes Research, Part 1, pp. 212-218. Internat. Assoc. Great Lakes Res.
2294. Wahlgren, M. A.; Nelson, D. M. 1975. Plutonium in the Laurentian Great Lakes: Comparison of Surface Waters. Int. Ver. Theor. Angew. Limnol. Verh. 19: 317-322.
2295. Wahlgren, M. A.; Nelson, D. M. 1976. Factors Affecting the Collection Efficiency of Sediment Traps in Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976, ANL-76-88, Part III, pp. 103-106. Argonne, Illinois.
2296. Wahlgren, M. A.; Nelson, D. M. 1976. A Comparison of the Distribution Coefficients of Plutonium and Other Radionuclides in Lake Michigan to Those in Other Systems. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976, ANL-76-88, Part III, pp. 56-60. Argonne, Illinois.
2297. Wahlgren, M. A.; Nelson, D. M. 1976. Lake Michigan Sediment Trap Study: Preliminary Assessment of Results. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976, ANL-76-88, Part III, pp. 107-110. Argonne, Illinois.
2298. Wahlgren, M. A.; Nelson, D. M. 1976. Seasonal Cycling of Plutonium in Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1976, ANL-76-88, Part III, pp. 53-55. Argonne, Illinois.
2299. Wahlgren, M. A.; Yaguchi, E. M.; Nelson, D. M.; Marshall, J. S. 1974. Spatial Distribution of Radionuclides in Lake Michigan Biota Near the Big Rock Point Nuclear Plant. W-31-109-ENG-38. NTIS Rep. No. CONF-750503-17.
2300. Walburg, C. H. 1973. Biota of the Nearshore Waters of Lake Michigan and Mortality of Organisms Caused by Water Intake Structures. In: Lake Michigan Intakes: Report on the Best Available Technology, Appendix C, pp. C-1 to C-38. Lake Michigan Cooling Water Tech. Committee.
2301. Waller, B. J.; Nelson, D. M.; Marshall, J. S. 1974. Plutonium in Lake Michigan Fish. In: Argonne National Laboratory, RER Annual Report, Jan.-Dec., 1973, Rep. No. ANL-8060, Part III, pp. 27-31. Argonne, Illinois.
2302. Waller, R. M.; Allen, W. B. 1975. Great Lakes Basin Framework Study, Appendix 3: Geology and Groundwater. Great Lakes Basin Commission. Ann Arbor, Michigan. 152 pp.
2303. Walter, G.; Hoagman, W. J. 1975. A Method for Estimating Year Class Strength from Abundance Data with Application to the Fishery of Green Bay, Lake Michigan. Trans. Am. Fish. Soc. 104(2): 245-255.

2304. Walter, G.; Hogman, W. J. 1971. Mathematical Models for Estimating Changes in Fish Populations with Applications to Green Bay. In: Proceedings 14th Conference Great Lakes Research, pp. 170-184. Internat. Assoc. Great Lakes Res.
2305. Wang, W. C.; Sullivan, W. T. 1971. Algal Growth Assessment in Natural Waters. In: Proceedings 14th Conference Great Lakes Research, pp. 293-302. Internat. Assoc. Great Lakes Res.
2306. Watson, N. H. F. 1974. Zooplankton of the St. Lawrence Great Lakes - Species Composition, Distribution, and Abundance. J. Fish. Res. Board Can. 31: 783-794.
2307. Webb, D. A.; McComish, T. S. 1974. Food Habits of Adult Alewives in Lake Michigan near Michigan City, Indiana in 1971 and 1972. Proc. Indiana Acad. Sci. 83: 179-184.
2308. Weickmann, H. 1972. Man-made Weather Patterns in the Great Lakes Basin. NOAA Rep. No. NOAA-73060809. 10 pp.
2309. Weiler, R. R.; Chawla, V. K. 1969. Dissolved Mineral Quality of Great Lakes Waters. In: Proceedings 12th Conference Great Lakes Research, pp. 801-818. Internat. Assoc. Great Lakes Res.
2310. Weimer, L.; Downs, W.; Manson, C.; Smith, P. 1976. ABCs of PCBs. University of Wisconsin Sea Grant Program Public Info. Rep. No. WIS-SG-76-125. Madison, Wisconsin. 5 pp.
2311. Weiss, L. W.; Kresge, R. F. 1962. Indications of Uniformity of Shore and Offshore Precipitation for Southern Lake Michigan. J. Appl. Meteorol. 1: 271-274.
2312. Wells, L. 1960. Seasonal Abundance and Vertical Movements of Planktonic Crustacea in Lake Michigan. U.S. Fish Wildl. Serv. Fish. Bull. 60: 343-369.
2313. Wells, L. 1966. Seasonal and Depth Distribution of Larval Bloaters (*Coregonus hoyi*) in Southeastern Lake Michigan. Trans. Am. Fish. Soc. 95: 389-396.
2314. Wells, L. 1968. Seasonal Depth Distribution of Fish in Southeastern Lake Michigan. U.S. Fish Wildl. Serv. Fish. Bull. 67(1): 1-15.
2315. Wells, L. 1968. Daytime Distribution of *Pontoporeia affinis* off Bottom in Lake Michigan. Limnol. Oceanogr. 13(4): 703-705.
2316. Wells, L. 1970. Effects of Alewife Predation on Zooplankton Populations in Lake Michigan. Limnol. Oceanogr. 15(4): 556-565.
2317. Wells, L. 1973. Distribution of Fish Fry in Nearshore Waters of Southeastern and East-Central Lake Michigan, May-August 1972. U.S. Bureau Sport Fish. Wildl., Great Lakes Fishery Laboratory, Admin. Report. 24 pp.

2318. Wells, L. 1974. Distribution of Fish Fry in Nearshore Waters of Southern and Central Lake Michigan, May-August, 1973. U.S. Bureau Sport Fish. Wildl., Great Lakes Fishery Laboratory, Admin. Report. 22 pp.
2319. Wells, L. 1975. Supplementary Information of Lake Trout in Lake Michigan. In: Minutes of Lake Michigan Committee Meeting, Annual Report for the Year 1975, Appendix VI(B), pp. 105-110. Great Lakes Fishery Comm. Ann Arbor, Michigan.
2320. Wells, L.; Beeton, A. M. 1963. Food of the Bloater, *Coregonus hoyi*, in Lake Michigan. Trans. Am. Fish. Soc. 92: 245-255.
2321. Wells, L.; House, R. 1974. Life History of the Spottail Shiner (*Notropis hudsonius*) in Southeastern Lake Michigan, the Kalamazoo River, and Western Lake Erie. U.S. Bureau Sport Fish. Wildl. Res. Rep. No. 78. 10 pp.
2322. Wells, L.; McLain, A. L. 1972. Lake Michigan: Effects of Exploitation, Introduction, and Eutrophication on the Salmonid Community. J. Fish. Res. Board Can. 29(6): 889-898.
2323. Wells, L.; McLain, A. L. 1973. Lake Michigan: Man's Effects on Native Fish Stocks and Other Biota. Great Lakes Fishery Comm. Tech. Rep. No. 20. Ann Arbor, Michigan. 55 pp.
2324. Weschler, M. C.; Spigarelli, S. A.; Edgington, D. N. 1972. The Measurement of Major Nutrients and Water Quality Parameters at Point Beach-1971. In: Argonne National Laboratory, Radiol. Physics Div. Annual Report, Jan.-Dec., 1971, ANL-7860, Part III, pp. 103-108. Argonne, Illinois.
2325. Westenhoff and Novick Consulting Engineers. 1975. Steel Sheet Pile Retaining Wall, Illinois Beach State Park. Geotechnical Investigation and Foundation Recommendations. Illinois Dept. Conserv. Springfield, Illinois.
2326. Wexler, R. L. 1976. Property Owners and the Shoreline: Paying the Costs of Benefits Conferred. Illinois Dept. of Transportation, Div. of Water Resour. Coastal Zone Manag. Prog.
2327. Wexler, R. L.; Newsom, M. D. 1975. The Illinois Coastal Zone Management Program: First Year Work Product. Volume I. The Legal Framework: Lake Michigan and Its Shore. NOAA Rep. No. NOAA-76013008, and NTIS Rep. No. PB-250 135/1SL. 258 pp.
2328. Wheeler, R.; Dunning, C. P. 1975. Trace Element Geochemistry of Piston Cores from Western Michigan Coastal Lake. Canadian Mineralogist 14: 23-31.
2329. Whelpdale, D. M. 1974. Dry Deposition over the Great Lakes. In: Englemann, R., and Shemel, G. (eds.). Proceedings Symposium on Atmosphere-Surface Exchange of Particulate and Gaseous Pollutants, Sept. 4-6, Richland, Washington, pp. 382-390. U.S. Dept. of Energy, Energy Res. and Development Admin.

2330. White, O. W.; Karrow, P. F. 1971. New Evidence for Spencer's Laurentian River. In: Proceedings 14th Conference Great Lakes Research, pp. 394-400. Internat. Assoc. Great Lakes Res.
2331. Wiebe, J. D. (ed.). 1974. Proceedings of a Workshop on Water Quality and Land Use Activities held at Guelph, Ontario, September 11-12, 1973. International Joint Commission, International Reference Group on Great Lakes Pollution from Land Use Activities. Windsor, Ontario. 248 pp.
2332. Wiersma, J. H. 1975. Effects of Wisconsin Public Service Corporation's Pulliam Plant on Lower Green Bay, January 1973-December 1973. Wisconsin Public Service Corp. Green Bay, Wisconsin.
2333. Wiersma, J. H.; Iskandar, I. K.; Schwartz, L. J.; Lanz, R. W.; Weber, C. C. 1974. The Effect of a Fossil Fuel Power Plant's Cooling Water System on the Water Quality of Green Bay, Wisconsin. In: Proceedings 17th Conference Great Lakes Research, Part 1, pp. 535-543. Internat. Assoc. Great Lakes Res.
2334. Wilkerson, J. C.; Ropek, J. F. 1967. An Application of Naval Oceanographic Development to Inland Waters. In: Proceedings 10th Conference Great Lakes Research, pp. 456-460. Internat. Assoc. Great Lakes Res.
2335. Willford, W. A. 1971. Heavy Metals Research in the Great Lakes, 1970-71. In: Prevalence and Effects of Toxic Metals in the Environment, Proceedings Workshop on Toxic Metals in Water, pp. 53-65. University of North Carolina, Water Resour. Res. Institute Rep. No. 57. Raleigh, North Carolina.
2336. Willford, W. A. 1975. Contamination in Upper Great Lakes Fishes. In: Upper Great Lakes Committee Meeting, Annual Report for the Year 1975, Appendix V, pp. 31-39. Great Lakes Fishery Comm. Ann Arbor, Michigan.
2337. Willford, W. A.; Hesselburg, R. J.; Nicholson, L. W. 1976. Trends of PCBs in Three Lake Michigan Fishes. In: Ayers, F. A. (compiler). National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, Illinois, EPA-560/6-75-004, NTIS Rep. No. PB-253-248-9, pp. 177-181.
2338. Willford, W. A.; Sills, J. B.; Whealdon, E. W. 1969. Chlorinated Hydrocarbons in the Young of Lake Michigan Coho Salmon. Prog. Fish. Cult. 31(4): 220.
2339. Williams, G. C. 1963. An Occurrence of Lake Snow: One of the Direct Effects of Lake Michigan on the Climate of the Chicago Area. Mon. Weather Rev. 91(9): 465-467.
2340. Williams, G. C. 1964. Comparative Rainfall Study, 68th Street Crib and Chicago Area, Summer and Fall 1963. In: Proceedings 7th Conference Great Lakes Research, pp. 311-321. University of Michigan, Great Lakes Res. Div., Pub. No. 11. Ann Arbor, Michigan.

2341. Williams, L. G. 1964. Possible Relationships Between Plankton-Diatom Species Numbers and Water-Quality Estimates. *Ecology* 45: 809-823.
2342. Williams, L. G. 1966. Dominant Planktonic Rotifers of Major Waterways of the United States. *Limnol. Oceanogr.* 11(1): 83-91.
2343. Williams, L. G. 1972. Plankton Diatom Species Biomasses and the Quality of American Rivers and the Great Lakes. *Ecology* 53(6): 1038-1050.
2344. Williams, L. G.; Scott, C. 1962. Principal Diatoms of Major Waterways of the United States. *Limnol. Oceanogr.* 7(3): 365-379.
2345. Willman, H. B. 1971. Summary of the Geology of the Chicago Area. Ill. State Geol. Surv. Circ. 460. Champaign, Illinois. 77 pp.
2346. Willman, H. B.; Frye, J. C. 1970. Pleistocene Stratigraphy of Illinois. Ill. State Geol. Surv. Bull. No. 94. 204 pp.
2347. Willson, R. B. 1969. Biological Studies on the Lower Manistique River and Inshore Waters of Lake Michigan, Manistique, Michigan, August 12 and 14, 1968-September 18, 1969. Michigan Dept. Nat. Resour., Michigan Water Resour. Commission. Lansing, Michigan. 17 pp.
2348. Wilshaw, R. E.; Rondy, D. R. 1965. Great Lakes Ice Cover, Winter 1964-65. U.S. Army Corps of Engineers, U.S. Lake Survey District, Res. Rep. No. 5-1. Detroit, Michigan. 7 pp.
2349. Wilson, J. W.; Hewson, E. W. 1967. Investigations with a Mathematical Model of the Lake Breeze. NTIS Rep. No. PB-228-597/1; and University of Michigan, Dept. of Meteorol. and Oceanogr. Tech. Rep. No. 1. Ann Arbor, Michigan. 32 pp.
2350. Wilson, L. F. 1967. Distribution, Abundance, and Some Habits of Larvae of *Cicindela hirticollis* (Coleoptera:Cicindelidae) on a Lake Michigan Beach. *Mich. Entomol.* 1(7): 239-244.
2351. Wilson, W. E. 1974. Environment as a Cross-National Problem: Great Lakes Water Pollution 1948-1972. Ph.D. thesis. Tufts Univeristy.
2352. Winchester, J. W. 1969. Pollution Pathways in the Great Lakes. *Limnos* 2(1): 20-24.
2353. Winchester, J. W. 1970. Chemical Equilibria of Iodine in Great Lakes Waters. In: Proceedings 13th Conference Great Lakes Research, Part 1, pp. 137-140. Internat. Assoc. Great Lakes Res.
2354. Winchester, J. W. 1972. A Chemical Model for Lake Michigan Pollution: Considerations on Atmospheric and Surface Water Trace Metal Inputs. In: Allen, H. E., and Kramer, J. R. (eds.) *Nutrients in Natural Waters*, pp. 317-332. Wiley-Interscience. New York, New York.

2355. Winchester, J. W. 1975. Assessing Air Pollution Particulate Fallout Potential for Water Pollution in Lake Michigan. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 330-337. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.
2356. Winchester, J. W.; Nifong, G. D. 1971. Water Pollution in Lake Michigan by Trace Elements from Pollution Aerosol Fallout. *Water Air Soil Pollut.* 1(1): 50-64.
2357. Winkler, E. M. 1962. Radiocarbon Ages of Postglacial Lake Clays Near Michigan City, Indiana. *Science* 137: 528-529.
2358. Wisconsin Alumni Res. Foundation. 1970. Progress Report No. 1, Lake Michigan Pesticide Investigations. Wisconsin Alumni Res. Foundation Institute, Inc. Madison, Wisconsin.
2359. Wisconsin Committee on Water Pollution. 1965. Wisconsin Surface Water Quality, 1961-1964. Madison, Wisconsin.
2360. Wisconsin Dept. Nat. Resour. 1963. Investigation of the Pollution in the Sheboygan River Drainage Basin Made During 1962 and Early 1963. Wisconsin Dept. Nat. Resour. Madison, Wisconsin. 35 pp. + Illustrations.
2361. Wisconsin Dept. Nat. Resour. 1965. Investigation of the Pollution in the Twin and Kewaunee River Drainage Basins Made During 1964 and Early 1965. Wisconsin Dept. Nat. Resour. 24 pp. + Illustrations.
2363. Wisconsin Dept. Nat. Resour. 1969. Development of a Computerized Mathematical Systems Model for Lower Fox River from Lake Winnebago to Green Bay. Wisconsin Dept. Nat. Resour. Madison, Wisconsin.
2364. Wisconsin Dept. Nat. Resour. 1969. Surface Water Monitoring Data 1965-68. Wisconsin Dept. Nat. Resour. Madison, Wisconsin. 100 pp.
2365. Wisconsin Dept. Nat. Resour. 1971. Mercury Content of Various Sediments, Sewage Treatment Plant Effluents and Water Supplies in Wisconsin. Wisconsin Dept. Nat. Resour. Res. Rep. No. 74. Madison, Wisconsin. 20 pp.
2366. Wisconsin Dept. Nat. Resour. 1972. Thermal Discharges in Wisconsin. Wisconsin Dept. Nat. Resour. Madison, Wisconsin. 35 pp.
2367. Wisconsin Dept. Nat. Resour. 1974. Progress Report of Fish Management on Lake Michigan, 1973. Wisconsin Dept. Nat. Resour. Madison, Wisconsin.
2368. Wisconsin Dept. Nat. Resour.; Wisconsin Water Resour. Center (Univ. of); Southeastern Wisconsin Planning Commission. 1974. Menomonee River Pilot Watershed Study, Work Plan. International Joint Commission, International Reference Group On Great Lakes Pollution From Land Use Activities. 44 pp. (Unpublished).

2369. Wisconsin Dept. Nat. Resour. 1975. Annotated Bibliography of Water Quality Information, Wisconsin Great Lakes and Tributary Streams. Wisconsin Dept. of Admin., Coastal Manag. Development Prog. Madison, Wisconsin. 23 pp. + Maps.
2370. Wisconsin Dept. Nat. Resour. 1975. Lake Trout Reef Seeding. In: Minutes of Lake Michigan Committee Meeting, Annual Report for the Year 1975, Appendix VII, pp. 109-110. Great Lakes Fishery Comm. Ann Arbor, Michigan.
2371. Wisconsin Dept. Nat. Resour. 1975. Inventory of Coastal Imagery, Wisconsin, 1975. Wisconsin Dept. Nat. Resour., Wisconsin Coastal Zone Manag. Prog. Madison, Wisconsin. 48 pp.
2372. Wisconsin Dept. Nat. Resour. 1976. Coastal Imagery: Final Report. Wisconsin Dept. Nat. Resour., Wisconsin Coastal Zone Manag. Prog. Madison, Wisconsin.
2373. Wisconsin Dept. Nat. Resour. 1976. Notes on West Shore Northern Pike Spawning Areas. Wisconsin Dept. Nat. Resour. Madison, Wisconsin.
2374. Wisconsin Dept. Nat. Resour. 1976. Shore Erosion: A Bibliography, 1976. Annotated Bibliography of Shore Erosion and Related Physical Materials Concerning Wisconsin's Great Lakes Coastal Areas. Wisconsin Dept. Nat. Resour., Coastal Zone Manag. Prog. Madison, Wisconsin. 116 pp.
2375. Wisconsin Dept. Nat. Resour., Bureau of Fish Manag. 1972. Lake Michigan Access. Wisconsin Dept. Nat. Resour., Bureau of Fish Manag., Rep. No. 47. Madison, Wisconsin. 62 pp.
2376. Wisconsin Dept. Nat. Resour., Bureau of Standards and Surveys. 1967. Investigation of Pollution in the Root River Basin Made During 1966 and 1967. Wisconsin Dept. Nat. Resour., Bureau of Standards and Surveys. Madison, Wisconsin. 30 pp.
2377. Wisconsin Dept. Nat. Resour., Div. Environmental Protection. 1969. Investigation of the Pollution of the Milwaukee River and Oak Creek During 1968 and 1969. Wisconsin Dept. Nat. Resour., Div. Environmental Protection. Madison, Wisconsin. 50 pp. (Unpublished report.)
2378. Wisconsin Dept. Nat. Resour., Div. Resour. Development. 1967. Investigation of the Pollution in the Des Plaines and Pike Basins Made During 1966 and 1967. Wisconsin Dept. Nat. Resour., Div. Resour. Development. Madison, Wisconsin. 24 pp. + Illustrations.
2379. Wisconsin Dept. Nat. Resour., Div. Resour. Development. 1968. Biological Oxygen Demand Loading. Wisconsin Dept. Nat. Resour., Div. of Resour. Development. Madison, Wisconsin.
2380. Wisconsin Dept. Nat. Resour., State Planning Office. 1976. Shore Erosion: A Study Plan: 1976. Wisconsin Coastal Zone Manag. Prog. Madison, Wisconsin. 12 pp.

2381. Wisconsin Dept. of Admin. 1976. Proposed Shore Erosion Policy Study--Final Study Report. Wisconsin Dept. of Admin., Coastal Manag. Development Prog. Madison, Wisconsin.
2382. Wisconsin Electric Power Co. 1970. Applicants Environmental Report, Operating License Stage, Point Beach Nuclear Plant Unit No. 2. U.S. Atomic Energy Commission. NTIS Rep. No. DOCKET 50-301-24.
2383. Wisconsin Electric Power Co. 1976. Lakeside Power Plant Final Report on Intake Monitoring Studies Performed by Wisconsin Electric Power Co. in Fulfillment of Conditions of Wisconsin Pollution Discharge Elimination System, Permit No. WI-0000906. Wisconsin Electric Power Co.
2384. Wisconsin Electric Power Co. 1976. Point Beach Nuclear Plant, Final Report on Intake Monitoring Studies Performed by Wisconsin Electric Power Co. in Fulfillment of Conditions of Wisconsin Pollution Discharge Elimination System, Permit No. WI-0000957. Wisconsin Electric Power Co.
2385. Wisconsin Electric Power Co. 1976. Oak Creek Power Plant, Final Report on Intake Monitoring Studies Performed by Wisconsin Electric Power Co. in Fulfillment of Conditions of Wisconsin Pollution Discharge Elimination System. Wisconsin Electric Power Co.
2386. Wisconsin Electric Power Co.; Wisconsin Michigan Power Co. 1970. Environmental Studies at the Point Beach Nuclear Power Plant. Wisconsin Electric Power Co. and Wisconsin Michigan Power Co., PBR #1.
2387. Wisconsin Electric Power Co.; Wisconsin Michigan Power Co. 1971. Supplement to Applicant's Environmental Report, Operating License Stage, Point Beach Nuclear Plant Unit No. 1. U.S. Atomic Energy Commission. NTIS Rep. No. DOCKET 50-266-57.
2388. Wisconsin Electric Power Co.; Wisconsin Michigan Power Co. 1971. Supplement to Applicant's Environmental Report, Operating License Stage, Point Beach Nuclear Plant Unit No. 2. U.S. Atomic Energy Commission. NTIS Rep. No. DOCKET 50-301-47.
2389. Wisconsin Electric Power Co.; Wisconsin Michigan Power Co. 1971. Environmental Studies at the Point Beach Nuclear Power Plant. Wisconsin Electric Power Co. and Wisconsin Michigan Power Co., PBR #2.
2390. Wisconsin Electric Power Co.; Wisconsin Michigan Power Co. 1972-1977. Non-Radiological Environmental Surveillance Program. Point Beach Nuclear Plant Units Nos. 1 and 2, Annual Report Nos. 1-5, Sept. 1972-October 1977. Wisconsin Electric Power Co. and Wisconsin Michigan Power Co.
2391. Wisconsin Electric Power Co.; Wisconsin Michigan Power Co. 1972. Environmental Studies at the Point Beach Nuclear Power Plant. Wisconsin Electric Power Co. and Wisconsin Michigan Power Co., PBR #3.

2392. Wisconsin Electric Power Co.; Wisconsin Michigan Power Co. 1974. Point Beach Nuclear Plant, Unit Nos. 1 and 2. U.S. Atomic Energy Commission, Non-Radiological Environmental Surveillance Program. Annual Report No. 1, Vol. 3, Sept. 1, 1972 to November 1, 1973.
2393. Wisconsin Electric Power Co.; Wisconsin Michigan Power Co. 1974. Point Beach Nuclear Plant, Unit Nos. 1 and 2. U.S. Atomic Energy Commission, Non-Radiological Environmental Surveillance Program. Annual Report No. 1, Vol. 4, Sept. 1, 1972 to Nov. 1, 1973.
2394. Wisconsin Electric Power Co.; Wisconsin Michigan Power Co. 1975. An Environmental Study of Ecological Effects of the Thermal Discharge from the Point Beach Nuclear Plant, November 1973 through October 1974. Vol. I. Wisconsin Electric Power Co. and Wisconsin Michigan Power Co. Non-Radiological Environmental Surveillance Program.
2395. Wisconsin Electric Power Co.; Wisconsin Michigan Power Co. 1976. An Environmental Study of the Ecological Effects of the Thermal Discharge from the Point Beach Nuclear Plant, November 1974 through October 1975. Wisconsin Electric Power Co. and Wisconsin Michigan Power Co. Non-Radiological Environmental Surveillance Program.
2396. Wisconsin Public Service Corp. 1970. Environmental Studies at the Kewaunee Nuclear Power Plant. Wisconsin Public Service Corp.
2397. Wisconsin Public Service Corp. 1971. Environmental Report--Operating License Stage. Kewaunee Nuclear Plant. Wisconsin Public Service Corp. Green Bay, Wisconsin.
2398. Wisconsin Public Service Corp. 1971. Environmental Studies at the Kewaunee Nuclear Power Plant. Wisconsin Public Service Corp.
2399. Wisconsin Public Service Corp. 1972. Environmental Studies at the Kewaunee Nuclear Power Plant. Wisconsin Public Service Corp.
2400. Wisconsin Public Service Corp. 1974. Effects of Wisconsin Public Service Corporation's Pulliam Plant on Lower Green Bay. Wisconsin Public Service Corp. Unpub. Mimeo. Green Bay, Wisconsin. 483 pp. + 7 Appendices.
2401. Witherspoon, D. F. 1971. General Hydrology of the Great Lakes and Reliability of Component Phases. Canada Centre for Inland Waters Tech. Bull. No. 50. 14 pp.
2402. Wnek, W. J.; Fochtman, E. G. 1972. Mathematical Model for Pollutants in Near-Shore Waters. Environ. Sci. Technol. 6(4): 331-337.
2403. Wold, R. J. 1969. Gravity Survey of the Great Lakes. In: Final Report for the U.S. Army Corps of Engineers, U.S. Army Map Service Contracts DA-49018-eng-3219 and DACA 71-67-c-0123. Milwaukee, Wisconsin. 112 pp.
2404. Wolf, P. R.; Keating, T. J. 1973. Precise Water Velocity Measurements Using Photogrammetric Techniques. Water Resour. Bull. 9(2): 312-319.

2405. Wolosin, C. A. 1972. Seismic Investigation and Petroleum Evaluation of Central Lake Michigan. Master's thesis. University of Wisconsin-Milwaukee. 148 pp.
2406. Wood, W. L. 1970. Transformations of Breaking Wave Characteristics Over a Submarine Bar. NTIS Rep. No. AD-718-904. 116 pp.
2407. Wood, W. L. 1976. Coastal Sedimentation and Stability in Southern Lake Michigan. In: Wood, W. L., Gutschick, R. C., Gonsiewski, J., Davis, R. A., Jr., Fox, W. T., Brater, E. F., Armstrong, J. M., and McGill, M. Field Trip Guidebook of the Coastal and Environmental Geology of Southeastern Lake Michigan, pp. 1-37. Western Michigan University, Dept. Geol. Geol. Soc. Am., North Central Sect. Kalamazoo, Michigan.
2408. Wood, W. L.; Davis, S. E.; Gavin, J.; Hoover, J. (n.d.). Mt. Baldy Pre-Nourishment Assessment and Recommended Monitoring Plan, Final Report. U.S. Army Corps of Engineers. 59 pp.
2409. Wood, W. L.; Gutschick, R. C.; Gonsiewski, J.; Davis, R. A., Jr.; Fox, W. T.; Brater, E. F.; Armstrong, J. M.; McGill, M. R. 1976. Field Trip Guidebook of the Coastal and Environmental Geology of Southeastern Lake Michigan. Western Michigan University. Guidebook to the 10th Annual Meeting, Geol. Soc. Am., North Central Sect. Kalamazoo, Michigan. 117 pp.
2410. Wood, W. L.; Magnus, K. R.; Thacker, P. A.; Davis, S. E.; Meadows, G. A.; Price, C. 1976. Performance of Beach Nourishment at Indiana Dunes National Lakeshore, Interim Report. U.S. Army Corps of Engineers. 71 pp.
2411. Wood, W. L.; Meadows, G. A.; Cox, J. 1974. The Feasibility of the Coastal Installations Proposed for the West Park and Marina Development at Michigan City, Indiana. Indiana Dept. of Commerce, Final Report.
2412. Wosje, D. C. 1966. Brine Salting and Smoking Lake Michigan Chub (*Leucichthys hoyi*). Ph.D. thesis. University of Wisconsin-Madison. 183 pp.
2413. Wright, H. E., Jr. 1964. The Classification of the Wisconsin Glacial Stage. *J. Geol.* 72(5): 628-637.
2414. Wright, H. E., Jr. 1964. Aspects of the Early Postglacial Forest Succession in the Great Lakes Region. *Ecology* 55(3): 439-448.
2415. Wright, K. J. 1968. Feeding Habits of Immature Lake Trout (*Salvelinus namaycush*) in the Michigan Waters of Lake Michigan. Master's thesis. Michigan State University. 42 pp.
2416. Wu, C. J. 1974. Analysis of Organochlorine Pesticides and Polychlorinated Biphenyls in Lake Trout Taken from Michigan Department of Natural Resources, Marquette Fish Hatchery. Master's thesis. Northern Michigan University. Marquette, Michigan. 64 pp.

2417. Wu, D. S.; Gallagher, B. J. 1973. Development of a Complete Mathematical Model For Describing the Point Beach Nuclear Power Plant Thermal Plume. In: Chow, V. T., Csallany, S. C., Krizek, R. J., and Preul, H. C. (eds.). Water for the Human Environment, Proceedings of the First World Congress on Water Resources, Vol. 4, Special Sessions: Systems Analysis, pp. 319-336. Int. Water Resour. Assoc., Champaign, Illinois.
2418. Wu, P. K. 1975. Numerical Simulation of Wind-Driven Motions in a Two-Layered Lake. University of Wisconsin, Center for Great Lakes Studies, Spec. Rep. No. 21. Milwaukee, Wisconsin. 59 pp.
2419. Yager, R. O.; McComish, T. S. 1976. Spottail Shiner Food Habits with Notes on Competition for Food in Indiana Waters of Lake Michigan. In: Proceedings of the Joint Meeting of the Am. Fish. Soc. and Wildl. Soc., pp. 66-69.
2420. Yager, R. O.; McComish, T. S. 1976. Food Habits of the Spottail Shiner in Indiana Waters of Lake Michigan in 1973. Proc. Indiana Acad. Sci. 86: 203-208.
2421. Yaguchi, E. M. 1975. Phytoplankton and Nutrients near the Zion Nuclear Plant during Upwelling. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1975, ANL-75-60, Part III, pp. 94-95. Argonne, Illinois.
2422. Yaguchi, E. M. 1976. Upwelling and Thermal Effluent Effects on Nutrients and Phytoplankton in Lake Michigan. Master's thesis. Illinois Institute of Technology.
2423. Yaguchi, E. M.; Marshall, J. S.; Wahlgren, M. A.; Nickles, S. E. 1972. Studies on the Opossum Shrimp (*Mysis relicta*) in Lake Michigan. In: Argonne National Laboratory, RER Div. Annual Report, Jan.-Dec., 1972. ANL-7960, Part III, pp. 15-18. Argonne, Illinois.
2424. Yaguchi, E. M.; Waller, B. J.; Marshall, J. S. 1974. Plutonium Distribution in Lake Michigan Biota. In: Proceedings 17th Conference Great Lakes Research, Part 1, pp. 150-157. Internat. Assoc. Great Lakes Res.
2425. Yamaoto, T.; Wiggins, G. B. 1964. A Comparative Study of North American Species of the Caddisfly Genus *Mystacides* (Trichoptera: Leptoceridae). Can. J. Zool. 42: 1105-1126.
2426. Yevjevich, V. 1975. Generation of Hydrologic Samples, Case Study of the Great Lakes. Colorado State University, Hydrology Paper No. 72. Fort Collins, Colorado. 39 pp.
2427. Yocom, T. G.; Tait, H. D. 1975. Energy-Related Research of the U.S. Fish and Wildlife Service on the Great Lakes. In: Marshall, J. S. (ed.). Proceedings 2nd Federal Conf. on the Great Lakes, March 25-27, 1975, pp. 513-518. Federal Council for Sci. and Technol., Interagency Committee on Marine Sci. and Engin. Great Lakes Basin Commission. Ann Arbor, Michigan.

2428. Yocum, W. L. 1974. Coliform Bacteria of the Cook Plant Area, 1973. In: Seibel, E. and Ayers J. C. (eds.). The Biological, Chemical, and Physical Character of Lake Michigan in the Vicinity of the Donald C. Cook Nuclear Plant, pp. 175-178. University of Michigan, Great Lakes Res. Div., Spec. Rep. No. 51. Ann Arbor, Michigan.
2429. Yost, K. J.; Anderson, V. L.; Christian, J. E.; Davis, W. J.; Kessler, W. V. 1973. The Environmental Flow of Cadmium and Other Trace Metals: Volume II. NTIS Rep. No. PB-229 479/1. National Science Foundation Rep. No. NSF-RAE-73-016(B), and NSF-GI-35106. 189 pp.
2430. Zanoni, A. E. 1970. Eutrophic Evaluation of a Small Multi-Used Watershed. NTIS Pub. No. PB-194-755. 77 pp.; and Office of Water Resour. Res. Proj. No. A-014-WIS(1). Madison, Wisconsin.
2431. Zar, H. 1974. Report of the Phosphorus Technical Committee to the Lake Michigan Enforcement Conference. In: Conference in the Matter of Pollution of Lake Michigan and Its Tributary Basin in the States of Wisconsin, Illinois, Indiana, and Michigan, Fourth Session, Vol. I, Sept. 19-21, 1972, pp. 209-216. U.S. Environmental Protection Agency. Chicago, Illinois.
2432. Zepezauer, K. J. 1974. The Development of the Pituitary Gland of the Alewife, *Alosa pseudoharengus* (Wilson). Master's thesis. University of Wisconsin-Milwaukee. 60 pp.
2433. Zimmerman, J. W. 1968. Water Quality of Streams Tributary to Lakes Superior and Michigan. U.S. Fish Wildl. Serv. Spec. Sci. Rep. Fish. 559. 36 pp.
2434. Zivi, S. M.; Frye, D. E.; Buell, R. E.; Van Loon, L. S. 1975. Measurements of Eddy Diffusivities in Nearshore Regions of Lake Michigan. In: Tokar, J. V., Zivi, S. M., Frigo, A. A., Van Loon, S., Frye, D. E., and Tome, C. Measurements of Physical Phenomena Related to Power Plant Waste Heat Discharges: Lake Michigan, 1973 and 1974, pp. 164-210. Argonne National Laboratory, ANL/WR-75-1. Argonne, Illinois.
2435. Zumberge, J. H. 1960. Bibliography of Published Geologic Papers and Unpublished Theses of the Great Lakes and Their Drainage Basins, 1950 through 1958. In: Proceedings 3rd Conference Great Lakes Research, pp. 51-59. University of Michigan, Great Lakes Res. Div., Pub. No. 4. Ann Arbor, Michigan.
2436. Zuraw, E. A. 1969. Culture and Physiological Requirements of a Bacterized *Cladophora glomerata* (L.) Kutz from Lake Michigan. J. Phycol. 5(1): 83-85.
2437. Anonymous. 1976. Assimilating Human Activity into the Shoreland Environment: The Michigan Shoreland Protection and Management Act of 1970. Iowa Law Review 62(1): 149-191.

2438. Bro, K.; Hobbs, E.; Neumann, P.; et al. 1976. An Analysis of the International Great Lakes Levels Board Report on Regulation of Great Lakes Water Levels: Institutions. University of Wisconsin, Institute for Environmental Studies, Working Paper No. 31. Madison, Wisconsin.
2439. Davenport, R. 1976. Coastal Zone Management, the Process of Program Development: Bibliographic Supplement. Coastal Zone Management Institute, Chicago, Illinois.
2440. Knox, J.; Falkner, C; Neumann, P.; et al. 1976. An Analysis of the International Great Lakes Levels Board Report on Regulation of Great Lakes Water Levels: Hydrology. University of Wisconsin, Institute for Environmental Studies, Working Paper No. 27. Madison, Wisconsin.
2441. Michigan Dept. Nat. Resour. 1975. Planning Guidelines for Residential and Path Development in Michigan's Sand Dunes and Wetlands: Michigan's Coastal Zone Management Program. Michigan Dept. Nat. Resour. Lansing, Michigan.
2442. Somers, L. H. 1965. Small Scale Variation in Nearshore Sediments, Vicinity of Sleeping Bear Point, Lake Michigan. Master's thesis. University of Illinois.
2443. University of Wisconsin, Institute for Environmental Studies. 1976. An Analysis of the International Great Lakes Levels Board Report on Regulation of Great Lakes Water Levels: Summary. University of Wisconsin, Institute for Environmental Studies, Working Paper No. 32.
2444. West Michigan Regional Planning Commission. 1976. Land Capability and Coastal Resources. West Michigan Regional Planning Commission. Grand Rapids, Michigan.

GUIDE TO THE INDEXES

Publications in this bibliography are indexed by author, subject, and area of the lake studied. The author index lists all authors (principal and joint). Publications by the various boards of the International Joint Commission (e.g., Great Lakes Water Quality Board, Science Advisory Board) are all listed under International Joint Commission.

The subject indexes for Volumes 1 and 2 are not identical. Because of the size of the bibliography, not all species names and subjects could be included in the indexes. If a subject is not listed, there may be no references on that subject or the word may be classified under a broader term. Most individual species of invertebrates, phytoplankton, and zooplankton, for instance, are not included separately but rather grouped under broader classifications. Because the references listed under any one keyword are not inclusive, related and broader subjects should be examined.

Common names of fish are used in the indexes; the names follow those in "A List of Common and Scientific Names of Fishes from United States and Canada," Special Publication No. 12 of the American Fisheries Society (1980). The keyword INVERTEBRATES includes all zooplankton and benthic invertebrates as well as other invertebrates such as Mysis. There are also separate listings for ZOOPLANKTON and BENTHIC INVERTEBRATES.

The term METALS includes major metals (e.g., Ca) and trace metals; there is also a separate listing for TRACE METALS. The term HYDROLOGY covers river or tributary flow, groundwater, and water budget references. POLLUTION and WATER QUALITY are both listed as subjects, though there can be a great deal of overlap in the references indexed under each. Chlorinated hydrocarbons may be listed as specific compounds or included under ORGANICS; usually publications on nonchlorinated hydrocarbons are indexed under HYDROCARBONS. TOXICS is used as a broad term for organics and metals and other compounds that are toxic to biota. The keyword ATMOSPHERIC refers to atmospheric studies of physical and chemical processes such as atmospheric deposition, loading, or transport. Meteorological studies, although atmospheric in nature, are usually better identified under a more specific term (e.g., STORMS, PRECIPITATION, LAKE EFFECT). A list of additional specific terms is given under METEOROLOGY in the subject index.

HISTORY, REVIEW, and SUMMARY are used as keywords to help users identify publications that may provide background information or summarize a topic. Subjects having many references are often divided when possible into appropriate subdivisions. The term "general" may be used as a subdivision when some of the references do not fit into the other designated subdivisions.

In the subject index, two words joined by an underscore (e.g., LAKE LEVELS_HISTORY) indicate that both words are listed in the keywords for a publication but are not necessarily listed next to each other. The two words are associated in the index to define the subject more specifically and are used as subheadings. For example, LAKE LEVELS_HISTORY gives the numbers for references on history of lake levels, whereas LAKE LEVELS_MANAGEMENT gives the numbers of references on management of lake levels.

If only a few references are given for a specific subject, more information can be found by looking under a broader subject that includes it. To direct the user to

other appropriate words, certain subjects are cross-referenced with the symbol SA: (meaning "see also"). SA: refers to another access point, and can be used in three ways:

- SA: can mean that additional references can be found under another related word, e.g., BIOACCUMULATION (SA: uptake).
- SA: can mean that the subject is also included under a broader category, e.g., BULKHEADS (SA: coastal structures), in which additional references are found as well as the present ones. This use of SA: is helpful when some references did not give specifics; it is meant to show that the index word is not inclusive. This is especially true for many of the biological papers where it is usually necessary to look at broader classifications such as DIATOMS or CLADOCERA in addition to the individual species, if listed.
- SA: can be used to indicate that a more specific topic is listed elsewhere for that word, such as DIVERSION (SA: history_diversion), if a further breakdown of the subject is desired.

The symbol S: (meaning "see") is used to refer the user to a different word in the index that has been used in place of another word, e.g., MARSHES (S: wetlands).

The area index lists references by area, if known more specifically than just Lake Michigan. Although all of the references are concerned with Lake Michigan, some may discuss the Great Lakes in general, not specifying a particular Great Lake, or may discuss one or more of the other Great Lakes in addition to Lake Michigan. Included in the area index are the other Great Lakes, large rivers in the region, and cities, states, bays, harbors, tributaries, and power plants around Lake Michigan. Because not all of the references could be examined to find the specific area studied, references listed under any one area do not necessarily cover all of the publications on that area.

AUTHOR INDEX

ABU-SHUMAYS, I. K.	1, 2
ACHREM, T. J.	3
ACKERMANN, W. C.	4-7, 2022
ADAMS, C. E., Jr.	8
ADAMS, J. R.	1855
ADAMS, M. S.	9
ADDISON, W. D.	10
AHRNSBRACK, W. F.	11, 12
ALBERTS, J. J.	13-18, 583, 2286
ALBERY, A. C. R.	19
ALEXANDER, C. L.	1876
ALLEN, H. E.	20, 90, 335, 336, 1344, 2275
ALLEN, W. B.	2302
ALLENDER, J. H.	21
ALLEY, W. P.	22-25, 1450, 1648, 1655, 1727
ALSTAETTER, C.	26
AM. SOC. CIVIL ENGIN.	614
AMBROSINI, R.	858
AMSTERBURG, R. J., Jr.	27
ANCHOR, C. K.	28, 29, 402, 557
ANDERSON, D. V.	30
ANDERSON, D. W.	31
ANDERSON, R. F.	23, 32, 107, 108, 1509, 1528, 1731, 1946, 1948
ANDERSON, T. W.	1227a
ANDERSON, V. L.	2429
ANDREN, A. W.	33
ANDREW, R. W.	34
ANONYMOUS	35-58, 2437
APPLEGATE, V. C.	59, 60
ARCTIC INSTITUTE OF N. AMERICA	61
ARGONNE NATIONAL LABORATORY	62-65
ARIHOOD, L. D.	66
ARMOUR, J. A.	67
ARMSTRONG, D. E.	33, 68, 69

ARMSTRONG, J. M.	70-75, 249, 253-256, 1355, 1876, 2409
ARNOLD, D. E.	76, 108
ARNOLD, V. L.	77
ARRIZABALAGA, F.	78
ASBURY, J. G.	79-81
ASSEL, R. A.	82-86
AUBERT, E. J.	87-90
AUER, M. T.	91, 92
AULERICH, R. J.	93
AVERY, E. L.	94
AYER, F. A.	95
AYER, N. J.	799, 1240
AYERS, J. C.	96-128, 194, 427, 1195, 1528, 1529, 1646-1648, 1877, 1878
BACHMANN, R. W.	1807
BAILS, J.	129
BAJORUNAS, L.	130, 131
BAKER, D. G.	132-136, 1792, 1931
BAKER, J. L.	137, 358
BAKER-BLOCKER, A.	133, 138
BALCH, L.	139
BALDWIN, N. S.	140-142
BALFE, M.	143
BALLERT, A. G.	144
BARBALAS, L. X.	145
BARBER, C. K.	75
BARBOUR, M. T.	2008
BARDACK, D.	220, 2057
BARKER, J. M.	146, 147, 181
BARKO, J. W.	148
BARRIENTOS, C. S.	1638
BARRON, M. A.	149
BARROW, J. H., Jr.	150
BARTON, C. D.	151
BARTON-ASCHMAN ASSOCIATES, INC.	965
BARTSCH, A. F.	152-154

BASCH, R. E.	155
BATES, F. W.	156
BATHA, J. V.	157
BAUER ENGINEERING, INC.	158
BAUER, W. M.	159
BAUMGART, J.	160
BAY-LAKE REGIONAL PLANNING COMMISSION ..	161
BAYER, K.	162
BEAK CONSULTANTS, INC.	163, 164
BEANE, M.	165
BEAULIEU, A.	1216
BECKER, G. C.	166
BEEBE, R. C.	941
BEER, L. P.	167-170
BEETHE, R. H.	428
BEETON, A. M.	171-190, 211, 471, 472, 702, 703, 912, 931-934, 1335, 1401, 1779, 2320
BEITINGER, T. L.	1973
BELLAIRE, F. R.	109, 191-194, 1093, 2033
BELONGER, B.	463
BENDA, R. S.	195-197
BENEDICT, B. A.	198
BENNETT, J. R.	199-202
BENSON, C. R.	1801
BERG, R. C.	28-29, 203, 557
BERGMAN, H. L.	1692
BERGSTROM, R. E.	204
BERKSON, J. M.	205
BERRY, A. E.	206
BERTRAND, G.	207, 208
BEYERLE, G. B.	209
BIEBER, G. F.	1250
BILDER, R. B.	210
BILLINGS, N.	257
BILLY, T. J.	211, 471
BINKOWSKI, F. P.	212

BIRCHFIELD, G. E.	213-216, 475, 946
BLACK, D. B.	1592
BLACK, R. F.	217
BLAKKAN, B. D.	218, 219
BLAND, J. K.	220
BLANTON-HAGMAN, B.	221, 222a
BLECK ENGINEERING CO., INC.	222b
BLIGH, E. G.	223
BLUM, F.	224
BLUM, J. L.	1236
BLUST, F.	225, 1163
BOLSENGA, S. J.	226-231
BOOKE, H. E.	232, 896
BOOTHROYD, J. C.	506, 507
BOREMAN, J.	233
BORGESON, D. P.	234, 235
BORMAN, R. G.	1902
BORN, S. M.	577
BOSLEY, T. R.	236
BOTHWELL, M. L.	237
BOTT, T. L.	238-240, 2040, 2041
BOTTRELL, T. W.	128, 1097
BOUCK, G. R.	562
BOUSH, G. M.	1345, 1346
BOWDEN, R. J.	241
BOWERS, J. A.	190
BOWMAN, D. F.	242
BOWSER, C. J.	1773
BOYCE, F. M.	243
BOYD, L. W.	244
BRAASCH, D. A.	245, 246, 474
BRADDOCK, R. J.	247, 248
BRADLEY, E. H., Jr.	249
BRAEM, R. A.	250, 251, 1912
BRANDT, S. B.	1601
BRATER, E. F.	252-259, 2409
BRATZLER, L. J.	260

BRAZO, D. C.	261, 262
BREMER, K. E.	263, 1383
BRETZ, J. H.	264, 265
BRIARS, R. P.	266
BRICE, J. R.	2007, 2008
BRICKER, K. S.	704
BRILL, E. D.	267
BRINKHURST, R. O.	268
BRO, K.	2438
BROECKER, W. S.	269
BROOK, A. J.	431
BROOKS, A. S.	185, 190
BROOKS, J. L.	270
BROSE, D. S.	271
BROSSMAN, J. J.	567-569
BROUILLARD, K. D.	272, 273
BROWN, B. P.	274
BROWN, D. C.	403
BROWN, D. F.	1250
BROWN, E. H., Jr.	275-282, 422, 603
BROWN, R. J.	283
BROWN, W. L.	1633, 2004
BROWZIN, B. S.	284-286
BRUCE, J. P.	287, 288
BRUCE, W. N.	1219
BRUNETTI, R. G.	817
BRUNK, I. W.	289-293
BRUNO, R. O.	294a
BRUNS, W.	1062
BRYAN, M. L.	294b, 2067
BRYANS, M.	616
BUCKLER, W. R.	295
BUCKLEY, S. B.	296
BUELL, R. E.	2434
BUETIKOFER, L. B.	297
BUETTNER, H. J.	1077, 1929
BULKLEY, J. W.	298-302

BUNAMO, M.	1852
BUNKER, R. M.	830
BURDICK, M.	874
BURGER, J. A.	303
BURKE, J. A.	67
BURRIS, R. H.	1316, 2005, 2251
BUSHOUSE, S.	304, 1102
BUSINESSMEN FOR THE PUBLIC INTEREST	305
BUSS, D. F.	306, 307
BUSSE, W.	1200
BUTCHER, D. K.	308
BUTLER, K. S.	309
BUTRICO, F. A.	310
BUTTNER, J. K.	311, 817
CABELLI, V. J.	319
CABLE, L. E.	320
CAIN, L. P.	321
CAIN, S. A.	322, 323
CALLENDER, E.	138, 324-327, 584, 594, 1709, 1710, 1771-1773, 1835
CANALE, R. P.	91, 92, 328-337, 1657, 2274, 2275
CARLSON, C. T.	1879-1881
CARLSON, G. T.	338
CARLSON, R. E.	339
CARR, J. F.	340
CARROL, E. W.	341
CARSON, J. E.	342
CATALDO, J. C.	343
CAVADIAS, G. S.	377
CDM LIMNETICS, INC.	312-318
CESAROTTI, D. J.	1464
CHAMBERLAIN, S. G.	344
CHAMBERS, R. L.	345
CHANDIK, J. F.	346
CHANDLER, D. C.	110, 182, 347, 348, 1195, 1335
CHANGNON, S. A., Jr.	349-357, 710

CHASE, P. E.	358
CHASE, R. R. P.	359
CHATHAM, C. E., Jr.	437
CHAU, Y. K.	360
CHAWLA, V. K.	2309
CHEETHAM, R. N., Jr.	361, 1339
CHESTERS, G.	362
CHICAGO PARK DISTRICT	363
CHICAGO SANITARY DISTRICT	364
CHIOTTI, T. L.	365
CHOROWICKI, D.	241
CHRISTIAN, J. E.	1062, 2429
CHRISTIE, W. J.	366, 367
CHURCHILL, D. H.	368
CHURCHILL, W.	1501
CIMA, G. P.	369, 370, 384
CIRILLO, R. R.	371
CITY OF CHICAGO, DEPT. OF DEVELOPMENT AND PLANNING	363, 372, 373
CITY OF EVANSTON.	374
CLAFLIN, L. W.	375, 913
CLARK, A. H.	376
CLARK, R. H.	377, 378
CLARKE, W. D.	183
CLAY, C. S.	1601
CLEARY, F. L.	520
CLEVINGER, R. F.	1304
CLIKEMAN, F. M.	1062
CLINTON, F. A.	1328
CLOERN, J. E.	379, 380
CLOKE, P. L.	381
COCHRAN, M. C.	369, 370, 382-385, 1545
COGLEY, A. C.	386
COHEE, G. V.	387
COHN, B. P.	388, 389
COLBY, L.	390
COLBY, P. J.	391, 392, 1269, 1979

COLE, A. L.	393-397, 1541, 1542, 1996
COLE, H. S.	398, 1286-1288
COLEMAN, D. E.	399
COLLINS, C. T.	400
COLLINSON, C.	29, 203, 401-403, 557, 559, 799, 1241, 1515
COMMONWEALTH EDISON CO.	404
COMNINELLIS, E.	405
CONNER, I. E.	1919
CONSUMERS POWER CO.	406-416
CONWAY, H. L.	417, 1559, 1560
COOK, D. G.	418
COOK, G. W.	419-421
COON, F. B.	886, 887
COOPER, D. W.	1854
COOPER, G. P.	422
COOPER, J. C.	423, 424, 1859-1861
COPELAND, R. A.	425-428
COREY, J. B.	429
CORTRIGHT, M.	258
COTE, W. E.	430
COUTANT, C. C.	431
COX, J.	2411
CRAIG, L. S.	432
CREER, K. M.	433
CREVENSTEN, D.	434
CROCHETT, D.	522
CROOK, L. T.	435, 436, 1951
CROSBY, L. G.	437
CROSSMAN, E. J.	438
CROWE, W. R.	439-441
CSANADY, G. T.	442-449
CUNNINGHAM, J. D., III	450
CUTLER, R. M.	595
CZAIKA, S. C.	451, 1655
D'ALBA, L.	452
D'ITRI, F. M.	453, 1312

DACK, G. M.	454
DACONE, J. V.	455
DAHL, A. H.	456
DAHL, F. H.	1414
DAI, Y. B.	457
DALY, R. I.	458-464, 1860
DAMANN, K. E.	465-467
DAMBACH, C. A.	468
DAMS, R.	838
DANA, B.	2251
DANARD, M. B.	469, 470, 1499
DANIELS, E. W.	1460, 1461
DANIELS, S. L.	211, 471, 472
DAUBERT, A.	473
DAUBERT, J. P.	1237
DAVENPORT, R.	2439
DAVID, M. H.	474
DAVIDSON, D. R.	214, 475
DAVIDSON, K. L.	476, 477
DAVIDSON, K. T.	478
DAVIES, T. T.	479, 480
DAVIS, C. C.	481
DAVIS, C. O.	1836
DAVIS, M. B.	482
DAVIS, R. A., Jr.	403, 509, 659, 666, 2409
DAVIS, S. E.	510, 2408, 2410
DAVIS, W. J.	2429
DAY, H. J.	511
DEAN, J.	520
DECOOKE, B. G.	225, 512-517
DEEVEY, E. S.	521
DEEVEY, G. B.	521
DEFFNER, J. S.	238, 239
DEGRAEVE, G. M.	518, 1696, 1697
DEGURSE, P. E.	522, 1140-1143, 1630
DEININGER, R. A.	523
DEKKER, C. L.	1313

DELFINO, J. J.	524, 525
DELINCK, H. J.	526
DELLER, H. A.	527
DEMUTH, P. R.	519
DENISON, P. J.	528, 652
DENNIS, J. V.	529
DEPALMA, L. M.	331, 332
DERECKI, J. A.	530a, 530b
DEUTSCHER, P.	531
DEWEY, K. F.	532
DEWITT, B. H.	133
DIETZ, A. L.	533
DINGELL, J. D.	534
DITMARS, J. D.	682
DITTON, R. B.	535-544, 724, 2025
DIXON, D. W.	133
DIZON, A. E.	1859
DOBSON, W. D.	545
DODGE, K. E.	546
DOHLER, G. C.	547
DONETH, J.	548
DONNAN, B. C.	549
DOOLEY, J. C., Jr.	550, 1289
DORR, J. A., III	551-554, 1097, 1098
DOSKEY, P. V.	1465, 1466
DOWNS, W.	555, 2310
DRAKE, P. L.	29, 402, 556-559
DREHER, F. C.	1146
DREIMANIS, A.	560
DRESSMAN, R. C.	1230, 1231
DRONGOWSKI, R. A.	561, 562
DUANE, D. B.	570
DUBE, D. J.	571
DUBOIS, R. N.	563-565, 572, 573
DUGAN, L. R., Jr.	247, 248
DUGAS, W. A.	574
DUMONTELLE, P. B.	403, 566-569

DUNN, W. E.	575, 576
DUNNING, C. P.	2328
DUNST, R. C.	577
DUPONT, R.	858
DVORAK, D.	1358
DWORSKY, L. B.	578
DYMOND, J. R.	579
DZURISIN, G. L.	1801
EADIE, B. J.	1824
EBBESMEYER, C. C.	1533
EBEL, W. J.	581
ECKERMAN, K. F.	1749
EDGE, B. L.	582
EDGINGTON, D. N.	381, 583-596, 1103, 1269, 1336, 1561, 1562, 1599, 1710-1717, 1719, 2065, 2086, 2287, 2324
EDIL, T. B.	597
EDMONDSON, W. T.	184
EDSALL, T. A.	598-604
EDWARDS, J.	1958
EFFER, W. R.	605
EICHELBERGER, J. W.	1230, 1231
EICHENLAUB, V. L.	606
ELDER, F. C.	528, 607-609, 652, 1640
ELLARSON, R. S.	1603, 1604
ELLEFSON, P. V.	1070
ELLIS, H.	1324
ELZERMAN, A. W.	33, 610
EMERICK, D.	2251
EMERY, L.	611
EMMLING, P. J.	612
ENCOTEC	580
ENGIN. INSTITUTE OF CANADA	613, 614
ENVIREX, INC.	615
EPSTEIN, E.	616, 1580
ERYUZLER, N. E.	1596
ESCHMAN, D. F.	623-625

ESCHMEYER, P. H.	617, 835-837
ETHINGTON, R. L.	494
EVANS, E.	618
EVANS, E. D.	879
EVANS, M. S.	619, 620
EVANS, R. L.	1158
EVENSON, E. B.	621-625, 1397
EVERHART, J. D.	948
EVERS, R. A.	626
EWING, B. B.	1379
EWING, K. J.	1510, 1511
FABER, R. A.	627
FAIT, R. G.	628
FALKNER, C.	2440
FANCHER, H. L.	629
FARLOW, J. S.	630, 1534
FARRAND, W. R.	623-625
FASSBENDER, R. L.	1497
FAST, M.	632
FAY, L. D.	633
FED. WATER QUALITY ADMIN., BUREAU OF SPORTS FISH. WILDL.	2219
FEDERAL COUNCIL FOR SCI. AND TECHNOL. ..	634, 635
FEE, E. J.	636-640, 1439
FELDMAN, H.	1694
FELDT, L. E.	1839, 1843, 2017, 2018
FENTERS, J.	1781
FERRANTE, J. G.	641, 1460, 1461, 1563
FETTEROLF, C. M., Jr.	642-644
FINFER, P.	645
FINGLETON, D. J.	646
FINGLETON, W. G.	495, 496, 647
FITCHKO, J.	648, 649, 955
FITZGERALD, G. P.	650, 2005
FLAYTER, R. L.	651
FLEMING, R. A.	652

FOCHTMAN, E. G.	653, 2402
FOGLE, N. E.	654
FOLSOM, T. R.	655
FOLTZ, J. W.	656, 657
FOSTER, B.	1102
FOSTER, E. M.	238-240, 2040
FOWLER, G. A.	1192
FOX, A. J.	658
FOX, W. T.	497-507, 509, 659-668, 2409
FRANK, C. L.	153
FRANKOVIC, E. A.	669
FRASER, G. S.	670-672, 881, 882
FREEDMAN, P. L.	91, 92
FREEMAN, N. G.	673
FREEMAN, R. F., III	1886
FRENCH, W. E.	118, 674, 675
FRENZEN, P.	676
FREY, D.	677
FRIGO, A. A.	80, 678-684, 1555, 1556, 2078
FRISCH, J. V.	1525
FROOM, C. P.	685
FRYE, D. E.	679-681, 1556, 2078, 2434
FRYE, J. C.	686-688, 2346
FUESSLE, R. W.	267
FULLER, F. D.	1089, 1090, 1705, 1706
FUNK, K.	1930
GADZIKOWSKI, G. R.	689
GALBRAITH, M. G., Jr.	691
GALLAGHER, B. J.	692, 2417
GALLOWAY, J. E.	693
GAMET, M. B.	694, 695
GANNON, J. E.	340, 696-704, 1402, 1844
GANNON, J. J.	337, 705
GARA, M. J.	706
GARCIA, L. C.	128, 1451
GASSMAN, A. F.	595
GATES, W. A.	309

GATZ, D. F.	707-710
GAVIN, J.	2408
GEDNEY, R. T.	1854
GEINOPOLOS, A.	711
GELSKEY, D. E.	1623
GERLOFF, G. C.	650, 713
GERSTEIN, H. H.	714
GERVAIS, J. G.	1458
GHOSH, S. K.	715
GIBBONS, J. W.	605
GILBERTSON, M.	716
GILL, G. C.	883, 1425
GILLET, J. M.	717
GILLETTE, D. A.	718
GILLETTE, J. F.	75
GLOOSCHENKO, V.	719
GLOOSCHENKO, W. A.	719-721
GOLDMAN, G. C.	722, 1624
GOLDSBY, A. I.	1870
GOLDTHWAIT, J. W.	723
GONIEWSKI, J.	809, 2409
GOODALE, T. L.	536-540, 724
GOODMAN, A. S.	343
GOODNIGHT, C. J.	725
GORDON, W. G.	726, 727, 1167
GOTS, B. L.	1302
GOULDEN, P. I.	2088
GOVE ENGINEERS	728
GRAF, J. B.	729-731
GRAHAM, E. S.	472
GRAIKOSKI, J. T.	1736
GRANGER, D. W.	257
GRAVES, E.	732
GREAT LAKES BASIN COMMISSION	733-769
GREAT LAKES COMMISSION	770-775
GREAT LAKES ENVIRONMENTAL CONTAMINANTS SURVEY	776

GREAT LAKES FISHERY COMMISSION	777-792
GREEN, A. W., Jr.	333
GREEN, T.	793, 1821, 1822, 1823, 2058
GREENE, J. C.	1400
GREIJ, E.	794
GRENCH, R. E.	81
GRIFFIN, J. B.	795, 796
GRITTINGER, T. F.	797
GROSS, D. L.	205, 433, 798, 799, 1130, 1240-1245
GROUNDS, H. C.	800
GRUBER, D. A.	801
GRUMBLATT, J. L.	802
GUILFORD, H. G.	803, 804
GULO, J. E.	805
GULVAS, J. A.	195-197
GUSTAFSON, P. F.	806-808, 1490
GUSTINIS, J.	1716
GUTSCHICK, R. C.	809, 2409
HACIA, H.	810
HACKER, V. A.	461
HADLEY, D. W.	811
HAEGER, J. D.	812
HAGMAN, B. B.	813, 814
HALL, C. A.	815
HALL, C. A. S.	1325
HALL, J. B.	830
HALL, L. C.	1143
HALL, V. L.	816
HAMBLIN, P. F.	673
HAMILTON, A. L.	268
HAMILTON, R. W.	311, 817
HAMPTON, G. R.	818
HAN, C.	819
HANDS, E. B.	820, 821, 1818
HANNA, J.	822-824a
HANSEN, M. J.	824b, 825

HANSEN, N.	655
HANSEN, R. S.	826
HANSON, G. F.	204
HANSON, L. H.	924
HARDY, E. P.	827, 828
HARKIN, J. M.	829
HARLEMAN, D. R. F.	830-832
HARMAN, J. R.	833a, 833b
HARMESON, R. H.	7
HARMON, G.	1558
HARNEY, M. A.	834
HARRIS, D. L.	1311
HARRIS, R. F.	68
HARRIS, V. T.	836, 837
HARRISON, P. R.	838
HARRISON, W.	1354, 1811
HART, J. L.	2036
HART, R. L.	676
HARTFORD, S. B.	839
HARTKE, E. J.	840
HARTWELL, K.	2064
HARVEY, E.	585
HARZA ENGINEERING CO.	841
HARZA, R. D.	842
HASLER, A. D.	423, 424, 1368, 1859-1861
HASSINGER, R.	129
HAUGEN, R. K.	843, 844
HAUMANN, J.	1658
HAUSMANN, P. S.	845
HAVERKAMPF, P. T.	846
HAVLICK, S. W.	847
HAWES, F. B.	605
HAWKINS, B. E.	620
HAWLEY, E. F.	848
HAWLEY, J. E.	706
HAYES, M. O.	506, 507
HAYNE, D. W.	824b

HEAP, J. A.	849-851
HEAPS, N. S.	852
HEARD, W. H.	853
HECK, D. B.	1892
HEDRICK, L. R.	854-859
HEHR, J. G.	860
HEIGHWAY, J. E.	1854
HEILMANN, R. L.	143
HELM, J. M.	861
HELSETH, J. M.	1533
HEMPFLING, T.	452
HENDERSON, C.	862, 863, 1026
HENNIGAN, R. D.	864
HENSON, E. B.	865-867, 1195
HENTZ, S.	868
HERBERT, T. A.	869
HERBST, R. P.	870, 871
HERDENDORF, C. E.	1227b
HERKOFF, D.	872
HERMAN, C. M.	873
HERMAN, E.	874
HERRINGTON, H. B.	268, 867
HESS, G. D.	875
HESSE, J. L.	876-879
HESELBURG, R. J.	2337
HESTER, F. E.	880
HESTER, N. C.	670-672, 881, 882
HEWSON, E. W.	883, 884, 1424, 1425, 1541, 1542, 2349
HICKEY, J. J.	31, 627, 885-887, 1487
HICKS, B. B.	875
HIIPAKKA, L. W.	294a
HILE, R.	888, 889, 1929
HILFIKER, R. C.	397
HILL, J. D.	890
HILL, J. R.	840, 891, 892
HILSENHOFF, W. L.	1263

HILTUNEN, J. K.	893, 894
HINEMAN, D. J.	334-336
HINEY, R. A.	895
HINRICHS, M. A.	896
HINZE, W. J.	1530, 1531
HLAVEK, R. R.	897
HOAGMAN, W. J. (SA: HOGMAN, W. J.)	898-902, 2303
HOCKINGS, W. A.	903
HODGE, V. F.	655
HODGES, J. W.	904
HODSON, P. V.	34
HOGLUND, B.	905
HOGLUND, M. B.	906
HOGMAN, W. J. (SA: HOAGMAN, W. J.)	907-909, 2304
HOHN, M. H.	1720
HOLE, F. D.	1997
HOLLAND, R. E.	910-913
HOLLEY, E. R., Jr.	831, 832
HOLLEYMAN, J. B.	914, 915
HOLMES, A. D.	1854
HOLPUCH, R.	1959
HOLZER, J. A.	916
HOOPES, J. A.	831, 832
HOOVER, J.	2408
HOPPS, E.	2438
HORRALL, R. M.	424, 1859-1861
HORST, T. J.	1250
HOUGH, J. L.	111, 917-921
HOUSE, R.	922, 2321
HOUSLEY, J. G.	1256
HOWE, P.	2008
HOWELL, G. S., Jr.	923
HOWELL, J. H.	59, 924, 1612, 1906, 1981
HOWLETT, G. F.	925
HOWMILLER, R. P.	926-934
HSU, S. C.	2068
HUANG, C. Y.	2252

HUANG, J. C. K.	112, 113, 935-938, 1512
HUBBS, C. L.	939
HUDDLESTON, J.	940
HUFF, F. A.	356, 941
HUGHES, L. A.	942-945
HUGHES, T. H.	946
HUH, H. T.	947, 948
HULSEY, J. D.	949, 950
HUMPHREY, H. E. B.	951
HUNDT, K. W.	520
HUNN, J. D.	1767, 1768
HUNT, G. S.	952
HURLEY, D. A.	392
HURTADO, P. S.	953
HUTCHINSON, R. D.	954
HUTCHINSON, T. C.	649, 955
HYDROCON, INC.	956, 957
HYDROSCIENCE, INC.	958
ILLINOIS COASTAL ZONE MANAG. PROG.	959-961
ILLINOIS COMMITTEE ON LAKE MICHIGAN	962a
ILLINOIS DEPT. OF CONSERVATION	962b
ILLINOIS DEPT. OF TRANSPORTATION, DIV. OF WATER RESOUR.	963-965
ILLINOIS DIV. OF WATERWAYS	966a, 966b
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY	967-974
ILLINOIS INSTITUTE FOR ENVIRON. QUAL. ..	975
ILLINOIS NAT. HIST. SURV.	976, 977
ILLINOIS SANITARY WATER BOARD	978-980
ILLINOIS STATE GEOL. SURV.	981-983
ILLINOIS WATER POLLUT. AND WATER RESOUR. COMMISSION	967, 984
ILLINOIS WATER RESOUR. CENTER	985
ILLINOIS WATER RESOUR. COMMISSION	986
INDIANA AND MICHIGAN ELECTRIC CO.	993
INDIANA DEPT. NAT. RESOUR., DIV. OF WATER	987, 988
INDIANA MICHIGAN POWER CO.	989, 990

INDIANA STREAM POLLUT. CONTROL BOARD	991, 992
INDIANA WATER RESOUR. CENTER	985
INDUSTRIAL BIO-TEST LABORATORIES	994-1025
INGLIS, A.	862-863, 1026
INTERNATIONAL JOINT COMMISSION	1027-1059
IRISH, S. M.	1060
ISKANDAR, I. K.	1609, 2333
ISLEIB, D. R.	1061
JACKO, R. B.	1062
JACKSON, W. L.	1063, 1064
JACOBSON, A. P.	1625
JACOBY, C.	1065
JAIN, S. C.	2056
JAIYEN, K.	1066
JAMSEN, F. W.	1071
JAMSEN, G. C.	1067-1071
JANSSEN, J.	1072
JARVIS, W. L.	1073
JAWORSKI, E.	1074, 1679
JEHN, P. J.	13, 14, 18
JENKINS, MERCHANT, & NANKIVIL, CONSULTING ENGINEERS	1075
JENSEN, A. L.	1076, 1077
JENSEN, R.	1881
JIRBERG, R. J.	1854
JOERES, E. F.	245, 246, 474, 511, 1078-1081
JOERIS, L. S.	441, 1082
JOHN, M.	197
JOHNSEN, P. K.	541-543
JOHNSON, B. G. H.	59, 60
JOHNSON, H. E.	1083
JOHNSON, J. H.	1084
JOHNSON, J., Jr.	240
JOHNSON, JOHNSON, & ROY, INC.	1085
JOHNSON, M. G.	418, 419
JOHNSON, R. G.	1086

JOHNSON, R. L.	1087, 1088
JOHNSON, W. D.	1089, 1090
JOHNSON, W. L.	862, 863, 1026
JOHNSTON, E. M.	1091, 1092
JONES, D. L.	1093
JONES, D. M. A.	357, 941, 1094
JOSEPHSON, P. D.	138, 1947
JUDE, D. J.	553, 1095-1098
JUDGE, C. W.	848
KAHLBAUM, D. F.	1931
KAMATH, P. R.	473
KANAYAMA, R. K.	1099
KAPETSKY, J. M.	1100
KAPLAN, M. S.	1101
KAPP, R. O.	1102
KARADI, G. M.	1165
KARL, G.	1864
KARROW, P. F.	560, 2330
KARSHEN, S. P.	1365
KARTTUNEN, J. O.	583, 593, 1103, 1716
KARVELIS, E. G.	441, 1082
KATNIK, K.	1104
KATZ, P. L.	1105, 1106, 1135, 1136, 1868
KAUFMANN, O. W.	633
KAWAHARA, F. K.	1090, 1107
KAYE, G. T.	1407
KEARNEY CO., INC.	1108
KEATING, T. J.	793, 2404
KECKELER, C. A.	1694
KEEN, C. S.	1109, 1289-1291
KEENER, R. B.	1110
KEENEY, D. R.	68
KEHR, W. Q.	1111
KEIFER AND ASSOCIATES, INC.	1112, 1113
KEITH, J. A.	885-887, 1114, 1115
KELLER, C. J.	1116
KELLER, M.	1117, 1118, 1786, 1787

KELLEY, R. W.	1119, 1120
KELLY, T. M.	1661, 2275
KELNHOFER, G. T.	1121
KEMPE, L. L.	211, 471, 472, 1122
KENNEDY, E. J.	1123, 1782
KENNEDY, H.	319
KENNEDY, J. F.	2056
KENNEDY, W. E.	1638
KENTUCKY WATER RESOUR. CENTER	985
KERHIN, R. T.	667
KERNEN, L. T.	1124, 1125
KERNS, C. L.	1126
KERRIGAN, J. E.	114
KESSLER, R.	1931
KESSLER, W. V.	2429
KEVERN, N. R.	693
KHALANSKI, M.	605
KIDD, C. C.	107, 1127, 1128
KIEFER, W.	1694
KILHAM, P.	1129
KING, E. L., Jr.	250, 924, 1913, 1914
KING, G.	462, 463
KING, J. E.	1130
KING, R. F.	684
KIRSHNER, L. D.	1131, 1132
KITCHEL, M. A.	370, 385, 1133, 1552
KITE, G. W.	1134
KIZLAUSKAS, A. G.	1135, 1136
KLEIN, D. H.	1137
KLEINERT, S. J.	1138-1143
KLOPATEK, J.	1997
KNAUOR, D. R.	577
KNIGHT, A. W.	1144
KNIGHT, H. T.	1145
KNOWLES, D. B.	1146
KNOX, J.	2440
KOBRIGER, N.	1998

KOCH, R. A.	1147, 1148
KOHLER, M.	1149-1152
KOLCZAK, L.	1826, 1827
KOLEHMAINEN, S.	605
KONASEWICH, D. E.	34, 1153, 1889
KONDRAT, C. V.	948
KOPCZYNSKA, E. E.	115, 1154, 2015
KOPEC, R. J.	1155-1157
KORN, S.	1308
KOSSOY, M.	856
KOTHANDARAMAN, V.	1158
KOVACIC, P. K.	185
KRAMER, J. R.	1159-1161
KRAUSZ, N. G. P.	1324
KREISMAN, J.	1162
KRESGE, R. F.	1163, 2311
KREY, P. W.	828
KREZOSKI, J. R.	1164
KRIZEK, R. J.	1165
KU, L. F.	1166
KUBECK, A. M.	75
KUHN, J. K.	1857
KUPFER, G. A.	1167
KUPKE, J. E.	1168
KYSER, J. M.	473, 1169
LAARMAN, J. P.	1171
LAARMAN, P. W.	1172
LADD, J. W.	668
LADEWSKI, T. B.	704, 1173, 2016
LAGLER, K. F.	939
LAIDLY, W. T.	1174
LAJEONE, L. J.	1170
LAKE MICHIGAN AND ADJOINING LANDS STUDY COMMISSION, STATE OF ILLINOIS	1175, 1982
LAKE MICHIGAN COOLING WATER INTAKE TECH. COMMITTEE	1176
LAKE MICHIGAN ENFORCEMENT CONFERENCE, PESTIC. TECH. COMMITTEE	1177-1179

LAKE MICHIGAN FEDERATION	1180
LAMBLE, M. O.	526, 805, 1611
LAMSA, A. K.	1414
LANDSTROM, E.	1718
LANE, P. A.	1181
LANE, R. K.	287
LANG, J.	207, 208
LANTZ, C. H.	1182
LANZ, R. W.	1183, 2333
LARIMORE, M. S.	558
LARROWE, B. T.	1184
LARSEN, C. E.	403, 672, 1185-1190
LARSEN, J. I.	1191
LARSEN, L.	859
LASCA, N. P.	1192
LATTA, W. C.	1193
LAUER, T. E.	1194
LAUFF, G. H.	1144, 1195
LAURENT, J. K.	1196
LAWHEAD, H. F.	1197, 1198, 1307, 1581
LAWRIE, A. H.	1199
LAWTON, G. W.	1200
LAZARO, M. A.	1201
LEACOCK, J. R.	2088
LEAGUE OF WOMEN VOTERS	1202-1206
LEARY, R. D.	1207
LEE, C. A.	1208
LEE, C. E.	1209
LEE, G. F.	69, 1210-1212, 1952, 1977, 2264, 2265
LEE, K. K.	1213-1215
LEE, K. W.	68
LEE, T. R.	1216
LEELING, N. C.	1217
LELAND, H. V.	799, 1218-1222, 1891, 1892
LERMAN, A.	1223, 1224
LESHKEVICH, G. A.	1225

LETTERMAN, R. D.	1226
LEVIN, M. A.	319
LEVINSON, E. D.	684
LEWIS, C. F. M.	1227a, 1227b
LEWIS, E. W.	358
LEYNAUD, G.	605
LI, A. H. H.	1228
LI, T. Y.	1229
LICHTENBERG, J. J.	1230, 1231
LICK, W. J.	1232, 1233, 1582
LIN, C.-K.	1234-1236
LINDSAY, R. C.	1237
LINEBACK, J. A.	205, 403, 433, 798, 799, 1130, 1238-1245, 1899
LINGLE, J. W.	948
LINK, L. E.	1246
LINKLATER, G. D.	1934
LINTON, MIELDS, AND COSTON, INC.	1247
LISAUSKAS, R. A.	1182
LISSACK, J.	1864
LISTON, C. R.	262, 1248, 1249
LITTLE, F. J., Jr.	1250
LITWIN, Y. J.	1079-1081
LIU, P. C.	1251-1257
LLOYD, C. N.	1258
LOFTUS, K. H.	1259, 1702
LOGSDON, J. E.	685
LONG, C. A.	1260, 1261
LONG, D. T.	1262
LONG, M. T.	1865b
Longbottom, J. E.	1230, 1231
LONGRIDGE, J. L.	1263
LOOMER, S. A.	1264
LOPICCOLO, R. D.	1265
LOPINOT, A. C.	1266, 1267
LOUCKS, R. H.	2069, 2070
LUBNER, J. F.	1268

LUCAS, H. F., Jr.	586, 1269, 2065
LUDWIG, C. E.	1276
LUDWIG, J. D.	816
LUDWIG, J. P.	1270-1277
LUESCHOW, L. A.	1864
LUNDY, D. T.	1207
LYONS, W. A.	346, 398, 1278-1301
MACCRIMMON, H. R.	1302
MACEK, K. J.	1308
MACHNIAK, K.	1309, 1310
MACHTA, L.	1311
MACK, W. N.	1312, 1313
MACKAY, W. R.	1303
MACKENZIE, R. J. D.	547
MACKENZIE, S.	793
MACLAREN, J. W.	1304
MACLEAN, W. F.	1305, 1306
MAGNISH, C. F.	1307
MADDING, R. P.	473, 1314, 1329, 1823
MADISON, D. M.	424, 1859, 1860
MAGNUS, K. R.	2410
MAGUE, T. H.	1315, 1316, 2005
MAHER, L. J.	625
MALETSKOS, C.	1317
MALILA, W. A.	2067
MALONE, F. D.	1318, 1319
MALONEY, T. E.	1400
MANION, P. J.	1320-1323
MANN, F.	1324
MANNY, B. A.	1325
MANSON, C.	2310
MARCINIAK, P. L.	420
MARCUS, M. G.	294b
MARESCA, J. W., Jr.	1326, 1879, 1880, 1882
MARIE, J. R.	1327
MARK, H.	1854
MARKS, W. D.	1328

MARLAR, T. L.	843, 844
MARMER, G. J.	1314, 1329, 1461
MARSH, J.	1330
MARSHALL, E. W.	1331, 1332
MARSHALL, J. S.	13, 596, 641, 1333-1338, 2288-2301, 2423, 2424
MARTER, J. H.	1339
MARTIN, E. J.	1340
MARTIN, M. K.	668
MARZOLF, G. R.	1341, 1342
MASLOWSKI, J.	1343
MATHEWS, A. P.	298-302
MATSON, W. R.	1344
MATSUMURA, F.	1345, 1346
MATSUNAGA, W. O.	1826-1829
MATTHIES, M. T.	946
MAYER, H. M.	1347, 1348
MAYHEW, E. A.	1349
MAYHEW, M. C.	1350
MCCAULL, J.	1351
MCCAY, E.	239
MCCLELLAND, J. M.	1638
MCCOMBIE, A. M.	392
MCCOMISH, T. S.	1352, 1353, 1699, 1700, 2307, 2419, 2420
MCCOWN, B. H.	309
MCCOWN, D. L.	683, 1354
MCCOY, E.	238
MCCULLOCH, J. A. W.	1610
MCDONALD, J.	1162
MCEVOY, J.	1580
MCFADDEN, J. T.	74, 1355, 1356
MCGEARY, D.	508, 1357
MCGILL, M. R.	75, 253-256, 2409
MCGINNIS, D.	1366
MCGRATH, M.	1358
MCKEE, E. M.	1359-1361

MCKERSIE, J. R.	1864
MCKIM, H. L.	843, 844
MCLAIN, A. L.	129, 1915, 2322, 2323
MCLAIN, D. R.	1362
MCLEOD, K. W.	1363
MCMILLAN, A. C.	469
MCMILLAN, H.	1364
MCMILLAN, L. M.	1365
MCMILLAN, M.	1366
MCNAUGHT, D. C.	1181, 1367-1369, 1440
MCWILLIAM, P.	124
MCWILLIAM, P. S.	1370
MEADOWS, G. A.	2410, 2411
MECUM, K. P.	574
MEGERIAN, E.	517, 1371, 1372
MEIRI, D.	1373
MELLINGER, D. L.	1374
MEREDITH, D. D.	297, 1094, 1375-1379
MERK, G. P.	2074
MERMIN, S.	1380
MERNA, J. W.	1381
MESAROVIC, M. M.	473
MEYER, R.	856
MEYER, R. P.	1243-1245, 1382, 1418, 1419
MEYERS, C. D.	1383
MEZEI, D.	616
MICHAELIS, A.	1513
MICHALSKI, M. F. S.	1384
MICHELENA, E. D.	1407
MICHIGAN BASIN GEOL. SOCIETY	1385
MICHIGAN DEPT. NAT. RESOUR.	1386-1388, 2441
MICHIGAN STATE UNIVERSITY	1389
MICHIGAN WATER RESOUR. CENTER	985
MICHIGAN WATER RESOUR. COMMISSION	1390-1396
MICKELSON, D. M.	625, 1397
MILLER, G. S.	1257
MILLER, H. J.	1398

MILLER, R. R.	1399
MILLER, T. J.	554, 1097, 1098
MILLER, W.	2064
MILLER, W. E.	1400
MILLER, W. G.	1353
MINNESOTA WATER RESOUR. CENTER	985
MODLIN, R. F.	1401, 1402
MOENCH, A. F.	1403, 1856
MOFFETT, J. W.	59, 186, 340, 1404, 1405
MOFFIT, L.	422, 1787
MOLL, R. A.	1406
MOLLAY, E.	1781
MONAHAN, E. C.	1086, 1407, 1408
MONHEIMER, R. H.	1409
MONTETH, T. J.	1410
MONTIE, L. A.	1864
MOORE, C. A.	1411, 1900
MOORE, F. R.	1412
MOORE, H.	1413
MOORE, H. H.	1414
MOORE, J.	463, 464
MOORE, J. E.	1415, 1416
MOORE, J. R.	1150-1152, 1417-1419, 1917
MOORE, R. J.	1420
MORGAN, C. L.	1419
MORGAN, G. M., Jr.	941
MORGAN, M. D.	1421
MOROZ, W. J.	1422-1425
MORSELL, J. W.	1427
MORTIMER, C. H.	1428-1443, 1677, 1804
MOSES, H.	1792
MOTZ, L. H.	198
MOZLEY, S. C.	24, 116, 117, 128, 1444-1452
MRAZ, D.	1453, 1454
MRAZ, D. F.	187
MUELLER, J. A.	1524
MUELLER, R. A.	1854

MUENCH, B. I.	1455
MUHLLENBRUCH, C. W.	1456
MUIR, T.	1457
MULLER, F. B.	1458
MULLER, R. N.	15
MUNAWAR, I. F.	1459
MUNAWAR, M.	1459, 2276
MURARKA, I. P.	1460, 1461
MURPHY, T. J.	1462-1466
MURTY, T. S.	215, 673, 1467, 1468
MUSIL, R.	2252
MYRDAL, G. R.	1237
NACHIAPPAN, S.	334-336
NALCO ENVIRONMENTAL SCIENCES	1469-1472
NAPOLI, J.	1484-1486
NASS, A. T.	829
NATIONAL COUNCIL ON MARINE RESOUR. AND ENGIN. DEVELOPMENT	769
NEAL, T.	196
NEIDERMYER, W. J.	1487
NEIL, J. H.	1488, 1489
NELSON, D. M.	13-17, 81, 1490-1494, 1748, 1960, 2286, 2290-2299, 2301
NELSON, E. W.	1495
NELSON, K. G.	1496
NELSON, L. M.	1497
NERALLA, V. R.	1498, 1499
NEUMAN, M.	1950
NEUMANN, P.	2438, 2440
NEUSCHAFER, G. F.	1500
NEWSOM, M. D.	2327
NICHOLS, S. A.	577
NICHOLSON, L. W.	2337
NICKLES, S. E.	2423
NIELSON, H. R.	522
NIEMUTH, W.	1501
NIFONG, G. D.	2356

NOAA NATIONAL CLIMATIC CENTER	1473
NOAA NATIONAL OCEAN SURV., LAKE SURV. CENTER	61, 1474-1483
NOBLE, V. E.	118, 216, 851, 1502-1514
NORBY, R. D.	558, 559, 1515
NORDEN, C. R.	280, 834, 1427, 1516-1519, 1735
NORMAN, J. C.	1520
NORTHHOUSE, R. A.	1292
NORTHWESTERN UNIVERSITY	1521
NRIAGU, J. O.	1522
O'CONNOR, D. J.	1523, 1524
O'DELL, J. E.	1525
O'GORMAN, R.	1526
O'HARA, N. W.	107, 119, 1527-1531
ODLAUG, T. O.	1564, 2043, 2044
OFFICER, E. R.	376
OGDEN, J. G.	1532
OHIO WATER RESOUR. CENTER	985
OJALA, C. F.	1679
OKUBO, A.	1533-1535
OLDS, N. V.	1536
OLSON, E. W.	1774
OLSON, G. R.	1537
OLSON, L. J.	1145, 1538
OLSON, T. A.	1539, 1564, 2043, 2044
OLSSON, L. E.	884, 1293, 1294, 1540-1542
OLTMAN, B. G.	1749
OPEN LANDS PROJECT	1543, 1544
ORBACH, H.	1781
ORLANDINI, K. A.	14, 15, 2286
ORPET, R. A.	1545
ORVOSH, W.	1354
OSTERBERG, C. L.	1546
OSTERBERG, J. O.	1547
OSTROM, E.	1548
OSTROM, W. A.	1548
OTTO, R. G.	1133, 1549-1552

OWEN, G. E.	1489
OWNBEY, C. R.	1111, 1553, 1645
PACIFIC NORTHWEST LABORATORY, BATTELLE MEMORIAL INSTITUTE	1554
PADDOCK, R. A.	575, 576, 682, 683, 1169, 1555, 1556
PAINTER, W. T.	1557
PAPKE, G.	1558
PARDIECK, S.	241
PARKER, C.	129
PARKER, J. I.	641, 1559-1563, 1717
PARKOS, W. G.	1564
PARSONS, J. W.	1565-1567
PATALAS, K.	1568, 1569
PATIL, K. C.	1345, 1346
PATRIARCHE, M. H.	422, 1570-1579
PATTERSON, D. J.	616, 1580
PATTERSON, R. L.	337
PATTERSON, T. M.	1581
PAUL, J. F.	1582
PAVIA, R. A.	1583
PAYNE, A. G.	1584
PEASE, S. R.	1295-1298
PECK, J. W.	422, 1585-1590, 1993
PECOR, C.	1083, 1591
PEEBLES, C. S.	1592
PEIRCE, J. J.	474
PELL, J.	473
PENA, J. M.	2056
PENTECOST, E. D.	1593
PENTLAND, R. L.	1372, 1594-1596
PERKINS, J. P.	1597, 1598
PERLOW, G. J.	1599
PERSOAGE, N. P.	338, 378
PETERSEN, M. L.	1600
PETERSON, J. O.	577
PETERSON, M. L.	1601, 1820

PETERSON, S.	153
PETERSON, S. R.	1602-1604
PETTERSEN, S.	1605
PEYTON, T. O.	1606
PEZZETTA, J. M.	1607-1609
PHILLIPS, D. L.	2
PHILLIPS, D. W.	1610
PIALA, J. M.	1611
PIAVIS, G. W.	1612, 1906
PICCOLO, R. A.	667
PIEHLER, G. R.	1613
PILGRIM, P. C.	1408, 1614
PINCUS, H. J.	1615, 1616
PINSAK, A. P.	1617-1619
PIPER, R. J.	1620
PIPES, W. O.	169, 170
PIRIE, R. G.	1192
PLATO, P. A.	1621-1625
PLATZMAN, G. W.	1626-1628
POFF, R. J.	129, 462, 1629-1631, 1859, 1860
POLAKOWSKI, K. J.	1632
POLAVARAPU, R. J.	1467
POLCYN, F. C.	1633, 2004, 2067
POLICASTRO, A. J.	575, 576, 1169, 1460, 1461, 1556, 1634-1637
PORE, N. A.	1638
PORTEOUS, R. C.	1639
PORTMAN, D. J.	476, 1640
POSTON, H. W.	1641-1645
POTZEL, W.	1599
POWERS, C. F.	25, 118, 125, 154, 1195, 1646-1655, 1728-1732
POWERS, R.	2068
POWERS, R. E.	421
POWERS, W. E.	1656
POWERS, W. F.	337, 1657
POYNER, P. L.	558

PRASTEIN, S. M.	2
PRATER, W. W.	428
PREPEJCHAL, W.	81, 1491-1493, 1658-1660, 1744-1749, 1752-1753, 1961, 1964, 1965, 1974
PRICE, B.	1661
PRICE, C.	2410
PRITCHARD, J. A.	2036
PRITCHETT, P. C.	496
PURVIS, H. A.	1322
PYCHA, R. L.	1662
QUIGLEY, J. T.	2037
QUIGLEY, R. M.	1663
QUINLAN, D. W.	1664
QUINN, F. H.	1665-1670
RAE, J. D.	1671
RAGO, P. J.	1098
RAGOTZKIE, R. A.	12, 1356, 1672, 1673
RAHN, K. A.	838
RAINEY, R. H.	1674
RAINS, J. H.	1675
RANEY, E. C.	1676, 2091
RAO, D. B.	1441, 1468, 1677, 1678
RAO, G. V.	470
RAPHAEL, C. N.	1074, 1679
RASMUSSEN, G. A.	1680
RASTONIS, S. V.	1681
RAWLINGS, F. F.	2287
RAWLS, J. L.	2287
REDMOND, D.	1104
REED, J.	1781
REED, P. A.	2258a, 2258b
REED, R. W.	436
REEVE, C. A.	18, 583
REGIER, H. A.	1259, 1683, 1684
REIGLE, N. J., Jr.	1685-1689
REINERT, R. E.	1690-1693

REKSHAN, P.	1344
REMMERT, K.	1719
RESHKIN, M.	840, 1694
RESIO, D. T.	1695
REYNOLDS, J. B.	518, 1696, 1697
RHODES, R. J.	1698-1700
RICE, J. O.	1552
RICHTER, M. A.	1701
RICKER, W. E.	1702
RIES, S. K.	923
RINGER, R. K.	93
RISK, N. E.	1801
RISLEY, C., Jr.	1090, 1703-1706
RITCHIE, J. C.	587
RIZZO, K. R.	1289, 1707
ROBB, D. C.	2242
ROBBINS, A. S.	1533
ROBBINS, J. A.	587-593, 838, 1708-1719
ROBBINS, S. G.	1720
ROBERT B. TESKA ASSOCIATES	1721
ROBERTS, J.	1496
ROBERTSON, A.	451, 1649-1655, 1722-1732, 1824
ROBINSON, D. G.	1733
ROBINSON, J. E.	389
ROBINSON, M. O.	260
ROBINSON, R. D.	1734, 1735
ROBOHM, R. A.	1736
ROCKWELL, D. C.	1737
RODGERS, G. K.	288, 1738, 1739
ROFFLER, S.	793
ROFRITZ, D. J.	1740
ROGERS, J. C.	1741, 1742
ROLAN, R. G.	1743
ROMBERG, G. P.	81, 1491-1493, 1659, 1660, 1744-1755, 1962-1966, 2066
RONDY, D. R.	1756-1763, 2348
ROPEK, J. F.	2334

ROPES, G. E.	1163, 1764
ROSE, D. H.	903
ROSE, F. T.	1765
ROSE, J.	1732
ROSEBOROUGH, J. D.	90
ROSENBAUM, G.	1162
ROSENBERG, H. B.	188
ROSENSHEIN, J. S.	1767, 1768
ROSS, J. E.	165, 207, 208
ROSSMANN, R.	120, 125, 1769-1774
ROTH, J. C.	116, 1775, 1776, 1837, 1883
ROTHMAN, E. D.	1838, 2275
ROUSAR, D. C.	1777-1779
ROWE, R. R.	1780
RUBENSTEIN, S. H.	1781
RUBIN, E. M.	1299
RUCH, R. R.	1123, 1782, 1892
RUGEN, P. C.	251
RUKAVINA, N. A.	1783
RUMER, R. R., Jr.	831, 832
RUMMEL, L. H.	420
RUSSELL, R. P., Jr.	1784
RYBICKI, R. W.	422, 1785-1787
RYCKMAN, J. R.	1071, 1100
RYCKMAN, R. G.	1788
RYCZEK, R. A.	1789
RYDER, R. A.	10, 1790
RYEL, L. A.	633
RYNER, P. C.	1791
RYZNAR, E.	134-136, 1640, 1792
SAALFELD, R. W.	141, 142
SABATINI, R. R.	1793
SAFLEY, G. W.	477
SAGER, P. E.	1520, 1794-1796
SAITOH, H.	360
SALVESON, A.	1797
SAMPSON, R. C. J.	721

SANDER, P. 1798
 SANTIAGO, M. A. 1838, 2018
 SASMAN, R. T. 1799-1801
 SATHER, J. H. 1802
 SATO, G. K. 1442, 1803, 1804
 SATTINGER, I. J. 1633, 2067
 SAUNDERS, G. W. 1805, 1807
 SAUNDERS, G. W., Jr. 1806
 SAUNDERS, K. D. 1808-1811
 SAXON, M. I. 604
 SAYLOR, J. H. 570, 1257, 1512, 1812-1818
 SCARCE, L. E. 1089, 1090, 1819, 1820
 SCARPACE, F. L. 793, 1821-1823
 SCAVIA, D. 1369, 1824
 SCHACHT, R. A. 1825-1829
 SCHAEFER, W. F. 1830
 SCHARF, W. C. 1831, 1832
 SCHELSKE, C. L. 1406, 1833, 1844, 2017, 2018
 SCHENKER, E. 1845-1853
 SCHERTLER, R. J. 1854
 SCHICHT, R. J. 1855, 1856
 SCHLEICHER, J. A. 1857, 1892
 SCHOLTZHAUER, G. K. 1858
 SCHOLZ, A. T. 424, 1859-1861
 SCHRAM, J. M. 558, 559
 SCHRAUFNAGEL, F. H. 1862-1864
 SCHROEDER, D. 1865a
 SCHROEDER, F. J. 474
 SCHUELER, R. L. 1865b
 SCHUH, J. A. 1289, 1300
 SCHULTZ, P. T. 160, 464
 SCHUMACHER, M. 1866
 SCHUMANN, C. E. 1867
 SCHWAB, D. J. 1441, 1677, 1678
 SCHWAB, G. M. 1105, 1106, 1868
 SCHWARTZ, L. J. 1869, 1870, 2333
 SCHWARTZ, M. L. 1871

SCOTT, C.	2344
SEAGRAN, H. L.	1693, 1872
SEDLER, J.	1490
SEEBURGER, D. J.	644
SEEGERT, G. L.	1873
SEIBEL, E.	121, 122, 127, 259, 509, 1874-1883
SEILS, C. A.	303
SEMONIN, R. G.	941
SENN, H. A.	717
SERNS, S. L.	577
SEYDEL, I. S.	1884
SEYLER, H. L.	1885
SHAFFER, C. A.	1951
SHAHEEN H. Y.	1300
SHARMA, R. K.	1886, 1967
SHAW, R.	1458
SHEA, J. H.	1887
SHEAFFER, J. R.	1888
SHEAR, H.	1889
SHEIKH, Y. M.	2088
SHERRILL, M. G.	1890
SHIMP, N. F.	686, 798, 1123, 1219-1222, 1782, 1891, 1892
SHUBER, N.	1781
SHUGART, G. W.	1893
SHUKLA, S. S.	1222
SIEBOLD, P.	81, 680
SIEVERING, H.	1894-1896
SIKES, C. S.	1897
SILBERMAN, E.	1898
SILLS, J. B.	2338
SILVER, M. L.	1411, 1899, 1900
SIMMONS, M. S.	1406, 1839, 1844
SIMSIMAN, G. V.	362
SINCLAIR, R. A.	7
SKIBIN, D.	1901
SKINNER, E. L.	1902

SKOCH, E. J.	1743
SLINN, W. G. N.	1903
SLOSS, P. W.	1817
SLOVICK, J. V.	241
SLY, P. G.	1904, 1905
SMITH, A. J.	924, 1612, 1906
SMITH, B. R.	1907-1915
SMITH, D.	1853
SMITH, D. W.	1968, 1969
SMITH, H. A.	1916
SMITH, L. B., Jr.	8
SMITH, M. A.	59, 60
SMITH, P.	2310
SMITH, P. A.	1917
SMITH, R. H.	1918, 1919
SMITH, S. A.	577
SMITH, S. H.	1920-1929
SMITH, W. E.	1930
SNELGROVE, A. K.	903
SNELL, W. G.	1931
SNIDER, C. R.	1932-1934
SNOW, R. H.	1935-1938
SNYDER, F. F.	1939
SNYDER, J.	1162
SOMERS, L. H.	1940-1948, 2442
SOMERSAN, A.	1949, 1950
SONZOGNI, W. C.	436, 1410, 1951, 1952
SOO, H. K.	108, 123, 128, 609
SOUCHEK, J. A.	2041
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION	1953, 2368
SOUTHERN, W. E.	1073
SOYUGENC, M.	857-859
SPANGLER, G. R.	392
SPIGARELLI, S. A.	905, 1336, 1493, 1658-1660, 1750-1753, 1755, 1886, 1954-1975, 2324
SPURR, G.	473

SPYRIDAKIS, D. E.	69
SRIDHARAN, N.	1976, 1977
STADELMANN, P.	2276
STALEY, R. C.	1901
STALL, J. B.	1855
STANDING, L. J.	667
STANLEY, J. G.	1978, 1979
STARK, J.	1980
STARKEY, R. J.	1981
STATE OF ILLINOIS, LAKE MICHIGAN AND ADJOINING LANDS STUDY COMMISSION	1175, 1982
STAUFFER, T. M.	825, 1323, 1983-1995, 2285
STAYER, A. E.	1996
STEARNS, F.	1997, 1998
STEFAN, H.	1898
STEMBERGER, R. S.	1999-2001
STENSBY, D. G.	829
STEPHENSON, M. E.	2002
STEWART, D. J.	1098, 1693
STEWART, J. A.	117, 1098, 1776, 1883, 2003
STEWART, K. M.	1440
STEWART, S. R.	2004
STEWART, W. D. P.	2005
STIEGLITZ, R. D.	2006
STIMPSON, K. S.	2007, 2008
STOCKWELL, G. A.	2009
STODDARD, A.	434
STOERMER, E. F.	124, 1173, 1838, 1840-1844, 2010-2021, 2055
STOFFEL, K. L.	567-569
STONE, W.	9
STOUT, G. E.	2022, 2023
STRACHAN, W. M. J.	721
STRAND, J. W.	189
STRANG, W. A.	544, 2024, 2025
STRATTON, C.	1211
STROMMEN, N. D.	2026

STRONG, A. E. 125, 2027-2036, 2038
 STUART, R. C. 1456
 STUIBER, D. A. 2037
 STUMPF, H. G. 2034, 2035, 2036, 2038
 SUGIYAMA, H. 240, 2039-2041
 SULLIVAN, W. T. 2305
 SUNDARAM, T. R. 2042
 SUNDBY, C. 793
 SWAIN, W. R. 2043, 2044
 SWAN, C. H. 2045
 SWANSON ENVIRONMENTAL, INC. 2046
 SWANSON, B. L. 463
 SWEZEY, C. F. 578
 SYGO, J. J. 2275
 TACK, P. I. 262, 1248, 1249
 TAFT, C. E. 2047
 TAIT, H. D. 2048-2051, 2427
 TALHELM, D. R. 2052
 TAMER, R. 2053
 TANIGUCHI, H. 1224
 TANNER, H. A. 2076
 TANNER, W. F. 2054
 TARAPCHAK, S. J. 2055
 TATINCLAUX, J. C. 2056
 TELEGADAS, K. 1311
 TELLER, S. 2057
 TERRELL, R. W. 2058
 TESAR, F. J. 553, 1098
 TETZLOFF, C. 1948
 TEXAS INSTRUMENTS INC. 2059
 THACKER, P. A. 2410
 THOMAS, M. K. 2060
 THOMAS, M. L. H. 2061
 THOMAS, N. A. 2062-2064
 THOMAS, R. L. 1905
 THOMMES, M. M. 594, 595, 1660, 1752-1755,
 1964, 1965, 1970-1974, 2065, 2066

THOMSON, F. J.	2067
THORNE, R. E.	1966
THREINEN, C. W.	1631
THURBER, N. J.	553
TIERNEY, D. P.	2068
TIFFANY, M. A.	2069, 2070
TIFFANY, O. L.	137
TILLINGHAST, J.	2071
TINGLE, A. G.	2072, 2073
TISUE, G. T.	303, 359, 2074
TITMAN, D. G.	1129
TODY, W. H.	235, 2075, 2076
TOKAR, J. V.	681, 1314, 1329, 1556, 1637, 2077, 2078
TOME, C.	1811, 2078
TOMOFF, C. S.	1277
TORBLAA, R. L.	2079
TORKE, B. G.	190, 2080-2084
TORREY, M. S.	381, 585, 650, 2085, 2086
TOUHILL, C. J.	310
TOWER, K. G.	2087
TRAMA, F. B.	1807
TRAVERSY, W. J.	2088
TRAVIS, D. R.	2089
TRUCHAN, J. G.	2090
TRUMAN, D. A.	1774
TSAI, C. F.	2091
TURNER, D. H.	2092
TURNER, D. S.	1679
TYCHSEN, P. C.	1192
U.S. ARMY CORPS OF ENGINEERS	2093-2147
U.S. ATOMIC ENERGY COMMISSION	2149-2152
U.S. BUREAU COMMERCIAL FISH.	2153
U.S. COAST GUARD	2154a
U.S. COMPTROLLER GENERAL	2154b, 2155
U.S. CONGRESS, 89TH	2156

U.S. CONGRESS, 93RD	2157-2159
U.S. DEPT. OF HEALTH, EDUCATION AND WELFARE	2160-2171
U.S. DEPT. OF THE INTERIOR, FED. WATER POLLUT. CONTROL ADMIN.	2172-2195
U.S. DEPT. OF THE INTERIOR, FED. WATER POLLUT. CONTROL BOARD	2196
U.S. DEPT. OF THE INTERIOR, FED. WATER QUALITY ADMIN.	2197, 2198, 2219
U.S. DEPT. OF THE INTERIOR, OFFICE OF WATER RESOUR. RES.	2199
U.S. DEPT. OF THE INTERIOR	2200-2202
U.S. ENVIRONMENTAL PROTECTION AGENCY ...	2203-2215
U.S. FISH WILDL. SERV.	2216-2219
U.S. FISH WILDL. SERV., GREAT LAKES FISHERY LABORATORY	2219
U.S. GEOL. SURV.	2220
UNGER, W. L.	1245
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	2221
UNIVERSITY OF MICHIGAN, GREAT LAKES RES. DIV.	2222-2227
UNIVERSITY OF MICHIGAN, GREAT LAKES RESOUR. MANAG. PROG.	2228
UNIVERSITY OF WISCONSIN SEA GRANT PROGRAM	2229-2230, 2232-2236
UNIVERSITY OF WISCONSIN-GREEN BAY	2231
UNIVERSITY OF WISCONSIN, INSTITUTE FOR ENVIRONMENTAL STUDIES	2443
UPCHURCH, S. B.	2237-2242
URIE, D. H.	2243
URRY, J. M.	948
UTTORMARK, P. D.	68, 577, 1952
VAILLANCOURT, G.	605
VALLEJO, L. E.	597
VAN ASDALL, W.	2244
VAN DER SCHALIE, H.	2248
VAN LOON, L. S.	1555, 1809-1811, 2078, 2434
VAN OOSTEN, J.	2245-2247
VAN REKEN, R.	1337

VANDERHOEF, L. N.	2251, 2252
VANLANDINGHAM, S. L.	2249, 2250
VARAKSON, S.	1547
VASLOW, F.	1460
VAUGHN, J. C.	1682, 2253-2257, 2258a, 2258b
VEITH, G. D.	1212, 2259-2265
VELIOGLU, S. G.	267
VERBER, J. L.	1443, 1535, 2266-2270
VIGNEAU, D.	1975
VILEN, F. I.	711
VILLAGE OF ARLINGTON HEIGHTS	2271
VINCENT, C. L.	1695
VISOCKY, A. P.	1403, 2272
VITORELLO, I.	2273
VOGEL, A. H.	331, 332, 2274, 2275
VOGT, R. C.	1593
VOLCHOK, H. L.	828
VOLLENWEIDER, R. A.	2276
WADSWORTH, J. R.	2277
WAGNER, W. C.	1993-1995, 2278-2285
WAHLGREN, M. A.	13-18, 583, 596, 1336, 1494, 1710, 1718, 2286-2299, 2423
WALBURG, C. H.	2300
WALKE, G. J.	883
WALLER, B. J.	1338, 1494, 2301, 2424
WALLER, R. M.	2302
WALTER, G.	2303, 2304
WANG, W. C.	2305
WARNER, E. D.	307, 1228
WATSON, A. E. P.	90
WATSON, N. H. F.	2306
WAYBRANT, J. R.	2002
WEBB, D. A.	1700, 2307
WEBER, C. C.	2333
WEBER, M. R.	1931
WEICKMANN, H.	2308
WEILER, H. S.	287

WEILER, R. R.	2309
WEIMER, L.	2310
WEINBERGER, L. W.	1340
WEISS, L. W.	2311
WELLS, L.	281, 282, 922, 2312-2323
WENDLING, W. R.	143
WESCHLER, M. C.	2324
WESTENHOFF AND NOVICK CONSULTING ENGINEERS	2325
WEST MICHIGAN REGIONAL PLANNING COMMISSION	2444
WEXLER, R. L.	2326, 2327
WHEALDON, E. W.	2338
WHEELER, R.	2328
WHELPDALE, D. M.	2329
WHETSTONE, G. W.	1146
WHITE, O. W.	2330
WHITE, W. A.	798, 799, 1891
WHITLEY, L. S.	725
WHITMAN, I. L.	310, 1548
WIEBE, J. D.	2331
WIEDER, S.	685
WIEGERT, L.	461, 874
WIERSMA, J. H.	1795, 1796, 1870, 2332, 2333
WIGGINS, G. B.	2425
WILK, K. E.	2023
WILKE, R. F.	361
WILKERSON, J. C.	1514, 2334
WILLEKE, G. E.	1553
WILLEY, B. F.	1365
WILLFORD, W. A.	2335-2338
WILLIAMS, C.	1895, 1896
WILLIAMS, G. C.	2339, 2340
WILLIAMS, J.	2252
WILLIAMS, L. G.	2341-2344
WILLIAMS, S. L.	1883
WILLIAMS, T.	2068

WILLMAN, H. B.	687, 688, 2345, 2346
WILLSON, R. B.	2347
WILSHAW, R. E.	2348
WILSON, H. B.	457
WILSON, J. W.	1301, 2349
WILSON, L. F.	2350
WILSON, W. E.	2349, 2351
WINCHESTER, J. W.	718, 838, 1901, 2069, 2070, 2352-2356
WINKLER, E. M.	2357
WINNELL, M. H.	1452
WINTER, D. R.	577
WINTERS, H. A.	295
WIRTH, T. L.	577, 1142, 1143, 1501
WISCONSIN ALUMNI RES. FOUNDATION	2358
WISCONSIN COMMITTEE ON WATER POLLUTION	2359
WISCONSIN DEPT. NAT. RESOUR.	2360-2380
WISCONSIN DEPT. OF ADMIN.	2381
WISCONSIN ELECTRIC POWER CO.	2382-2395
WISCONSIN MICHIGAN POWER CO.	2386-2395
WISCONSIN PUBLIC SERVICE CORP.	2396-2400
WISCONSIN WATER RESOUR. CENTER	985, 2368
WISHY, W.	874
WITHERSPOON, D. F.	2401
WNEK, W. J.	2402
WOLCOTT, R.	603
WOLD, R. J.	1531, 2403
WOLF, P. R.	1264, 2404
WOLOSIN, C. A.	2405
WONG, K. M.	655
WOOD, J. S.	562
WOOD, W. L.	2406-2411
WOSJE, D. C.	2412
WRIGHT, H. E., Jr.	2413, 2414
WRIGHT, K. J.	2415
WU, C. J.	2416

WU, D. S.	2417
WU, P. K.	2418
YAGER, R. O.	2419, 2420
YAGUCHI, E. M.	417, 1338, 1494, 1559, 1560, 2299, 2421-2424
YAMAOTO, T.	2425
YANDELL, E. L., Jr.	198
YANG, J. J.	2019-2021
YEVJEVICH, V.	2426
YOCOM, T. G.	2427
YOCUM, T.	603
YOCUM, W. L.	119, 123, 126-128, 1528, 2428
YOST, K. J.	1062, 2429
YOUATT, W. G.	93
ZABIK, M. E.	1930
ZANONI, A. E.	2430
ZAR, H.	2431
ZAVESKY, R. R.	343
ZEPEZAUER, K. J.	2432
ZIMMERMAN, J. W.	2433
ZIVI, S. M.	684, 2078, 2434
ZUMBERGE, J. H.	2435
ZURAW, E. A.	2436

SUBJECT INDEX

ABSORPTION (S: sorption)	
ACANTHOCEPHALA	1538
ACARI	696, 972, 980, 1350, 1402
ACIDITY (S: pH)	
ADSORPTION (SA: sorption)	69, 149, 472, 587, 1335, 1558, 1769, 1773
AERIAL PHOTOGRAPHY	28, 29, 36, 81, 82, (SA: remote sensing) 85, 88, 89, 161, 203, 236, 254, 259, 287, 402, 491, 557, 630, 669, 793, 820, 844, 850, 883, 982, 983, 1057, 1090, 1106, 1238, 1239, 1295, 1314, 1326, 1331, 1332, 1339, 1356, 1506, 1508, 1529, 1535, 1756, 1758, 1759, 1760, 1761, 1821, 1823, 1875, 1879, 1882, 1932, 1934, 1936, 2038, 2058, 2078, 2108, 2203, 2334, 2348, 2371, 2404, 2434
AEROSOLS	386, 608, 609, 707, 708, 718, 838, 1137, 1285, 1291, 1293, 1294, 1334, 1894, 1895, 1901, 1903, 2355, 2356
AGRICULTURE	48, 68, 95, 114, 207, 362, 399, 480, 531, 548, 738, 739, 746, 749, 755, 763, 923, 1027, 1042, 1052, 1053, 1081, 1089, 1179, 1210, 1216, 1664, 1846, 1953, 1997, 1998, 2002, 2205, 2238, 2331, 2368, 2430
AIR POLLUTION (S: atmospheric_pollution)	
AIR POLLUTION_PLUME	550, 883, 1284, 1285, 1286, 1287, 1292, 1294, 1297, 1298, 1299, 1300, 1792
AIR QUALITY	398, 710, 752, 877, 884, (SA: atmospheric_pollution) 1201, 1283, 1287, 1294, 1298, 1300, 1540, 1707
AIR_TEMPERATURE	99, 132, 133, 134, 135, 136, 193, 351, 355, 357, 398, 469, 470, 477, 530b, 607, 646, 672, 676, 710, 872, 914, 983, 1049, 1093, 1109, 1155, 1156, 1157, 1158, 1285, 1287, 1294, 1296, 1424, 1498, 1499, 1540, 1605, 1610, 1640, 1707, 1741, 1792, 1931,

AIR_TEMPERATURE (continued)	1932, 1934, 1939, 2026, 2027, 2030, 2031, 2033, 2045, 2349
AIR-WATER INTERFACE	33, 62, 193, 198, 287, 477, 480, 593, 608, 609, 610, 708, 875, 1027, 1229, 1325, 1334, 1350, 1619, 1896, 1903, 2028, 2042
ALDRIN	67, 967, 974, 1026, 1027, (SA: organochlorine pesticides) 1089, 1230, 1231, 1641, 1825
ALEWIFE	31, 32, 102, 155, 166, 178, 197, 211, 212, 223, 272, 275, 276, 277, 279, 280, 306, 307, 332, 341, 365, 366, 367, 382, 391, 422, 428, 468, 545, 551, 553, 555, 598, 600, 603, 604, 619, 651, 656, 699, 726, 774, 775, 834, 835, 836, 837, 887, 897, 899, 902, 909, 916, 968, 973, 974, 979, 994, 1072, 1082, 1098, 1116, 1125, 1133, 1167, 1228, 1269, 1272, 1274, 1275, 1308, 1353, 1369, 1404, 1409, 1427, 1487, 1492, 1516, 1517, 1519, 1526, 1552, 1578, 1601, 1650, 1653, 1680, 1687, 1688, 1689, 1691, 1698, 1699, 1700, 1752, 1825, 1830, 1873, 1886, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1960, 1963, 1964, 1973, 1974, 1978, 1979, 2037, 2050, 2065, 2080, 2089, 2190, 2219, 2231, 2257, 2262, 2279, 2280, 2281, 2283, 2289, 2301, 2304, 2307, 2314, 2316, 2322, 2323, 2366, 2415, 2420, 2424, 2432
ALGAE (S: phytoplankton, or blue-green algae, diatoms, green algae, red algae, or specific species)	
ALKALINITY	9, 91, 180, 189, 971, 1025, 1099, 1159, 1161, 1335, 1400, 1558, 1584, 1705, 1706, 1777, 1827, 1829, 2095, 2187, 2272, 2275, 2309, 2341, 2364, 2433
ALKYL BENZENE SULFONATE	472, 952, 1705, 1706, 2165
ALUMINUM	381, 686, 1137, 1222, 1419, 1725, 1976, 1977, 2085, 2287, 2433

AMERICAN SMELT (S: rainbow smelt)	
AMERICIUM	15, 583, 2286, 2289
AMMOCOETES	1320, 1915, 1983, 2061
(SA: sea lamprey_larval)	
AMMONIA	66, 68, 91, 167, 189, 237, 335, 336, 702, 967, 968, 969, 970, 971, 972, 973, 979, 980, 1025, 1104, 1106, 1175, 1211, 1558, 1682, 1705, 1706, 1795, 1826, 1827, 1828, 1835, 1837, 1936, 2085, 2093, 2135, 2165, 2187, 2189, 2231, 2250, 2254, 2258a, 2258b, 2333, 2364, 2421
AMPHIBIANS	223, 976, 977, 1261, 1593, 1685, 1832
AMPHIBOLE	799, 1891
AMPHIPODA (SA: specific species)	22, 23, 24, 25, 107, 113, 120, 418, 421, 702, 703, 704, 866, 887, 905, 933, 967, 972, 974, 980, 994, 1019, 1024, 1127, 1128, 1149, 1151, 1220, 1268, 1336, 1341, 1342, 1368, 1381, 1427, 1448, 1449, 1450, 1451, 1452, 1585, 1588, 1648, 1649, 1651, 1653, 1655, 1699, 1727, 1743, 1826, 1837, 1948, 2007, 2044, 2167, 2189, 2223, 2231, 2270, 2286, 2289, 2312, 2315, 2320, 2415
ANABAENA (SA: blue-green algae)	1315, 1316, 1325, 1340, 1350, 1833, 1837, 2005, 2016, 2017, 2231, 2250, 2251
ANALYTICAL METHODS_GEOLOGY	2006, 2074
ANAYLTICAL METHODS_INORGANICS	62, 586, 718, 1344, 1494, 2249, 2287, 2355
ANALYTICAL METHODS_MICROBIOLOGY	1736, 1781
ANALYTICAL METHODS_ORGANICS	62, 67, 471, 472, 1179
ANALYTICAL METHODS_WATER QUALITY (S: water quality_analytical methods)	
ANNELIDA (S: Hirudinea; S: Oligochaeta)	
ANTIMONY	584, 585, 594, 838, 1030, 1269, 2086, 2287, 2292, 2294
APHANIZOMENON (SA: blue-green algae) ...	1315, 1316, 1833, 2005, 2231, 2251, 2252
AQUACULTURE	545, 635, 1126, 2234, 2236

AQUIFER	6, 204, 746, 954, 967, 987, 988, 1262, 1327, 1403, 1767, 1768, 1799, 1800, 1801, 1856, 1890, 2271, 2272, 2302
ARCHAEOLOGY	271, 520, 751, 795, 796, 812, 1592
ARSENIC	326, 371, 428, 584, 585, (Note: arsenic is not indexed with the metals or trace metals as it is a nonmetal) 594, 648, 686, 798, 815, 836, 879, 962a, 967, 971, 1025, 1026, 1175, 1220, 1221, 1222, 1242, 1269, 1330, 1782, 1827, 1828, 1829, 1857, 1884, 2085, 2086, 2088, 2187, 2221, 2335
ARTHROPODA (S: insects; S: specific species or taxa)	
ASBESTOS	762
ASELLUS	967
ASTERIONELLA (SA: diatoms)	694, 913, 994, 1315, 1316, 1837, 2016, 2020, 2167, 2189, 2231, 2251, 2257, 2270, 2341
ATLANTIC SALMON	691, 775, 1565, 2066 (SA: salmon; SA: salmonid)
ATMOSPHERIC (general).....	33, 145, 162, 193, 228, (SA: air quality) 355, 396, 469, 470, 476, (SA: meteorology) 478, 608, 609, 676, 914, (SA: precipitation) 942, 1060, 1278, 1279, 1280, (SA: review atmospheric) 1281, 1296, 1301, 1423, 1424, (SA: specific compound_atmospheric) 1498, 1499, 1541, 1542, 1605, (SA: summary_atmospheric) 1626, 1627, 1640, 1707, 1939, 2027, 2028, 2030, 2031, 2033, 2072, 2073, 2095, 2107
ATMOSPHERIC_DEPOSITION	16, 33, 63, 180, 386, (SA: atmospheric_loading) 425, 532, 583, 587, 590, (SA: dry deposition) 592, 593, 596, 635, 644, (SA: wet deposition) 646, 707, 708, 709, 710, 827, 828, 875, 877, 1027, 1029, 1103, 1109, 1137, 1210, 1222, 1223, 1290, 1293, 1294, 1297, 1311, 1334, 1462, 1464, 1465, 1466, 1490, 1606, 1703, 1704, 1711, 1713, 1714, 1789, 1884, 1894, 1895, 1896, 1901, 1903, 1996, 2013, 2045, 2289, 2290, 2296, 2298, 2329, 2352, 2354, 2355, 2356
ATMOSPHERIC_LOADING	180, 287, 386, 524, 525, (SA: atmospheric_deposition) 587, 593, 707, 708, 743, 885, 886, 1029, 1036, 1040, 1129, 1137, 1139, 1210, 1223,

ATMOSPHERIC_LOADING (continued)	1311, 1462, 1463, 1464, 1465, 1466, 1599, 1711, 1713, 1789, 1884, 1894, 1895, 1896, 1901, 2329, 2354, 2355, 2356
ATMOSPHERIC_POLLUTION	63, 95, 180, 210, 287,
(SA: dispersion_atmospheric_pollution)	342, 371, 386, 398, 425,
(SA: model_atmospheric_pollution)	524, 532, 550, 587, 592,
(SA: power_plants_atmospheric_	635, 646, 652, 707, 708,
pollution)	710, 743, 752, 838, 875, 877, 883, 884, 885, 886, 941, 1027, 1029, 1036, 1040, 1103, 1109, 1201, 1210, 1222, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1297, 1298, 1299, 1300, 1334, 1462, 1463, 1464, 1465, 1466, 1540, 1558, 1606, 1619, 1674, 1703, 1704, 1713, 1792, 1806, 1895, 1896, 1901, 1903, 1996, 2013, 2045, 2154b, 2352, 2354, 2355, 2356
ATMOSPHERIC_TRANSPORT	95, 303, 386, 398, 425, 524, 532, 646, 708, 718, 875, 877, 1027, 1029, 1109, 1222, 1283, 1285, 1287, 1288, 1290, 1293, 1294, 1300, 1311, 1334, 1490, 1674, 1806, 1884, 1894, 1895, 1896, 1901, 1903, 1996, 2289
ATRAZINE (SA: pesticides)	1672
BACILLAROPHYCEAE (S: diatoms)	
BACTERIA (general)	148
BACTERIA_BIOTRANSFORMATION	1345, 1346
BACTERIA_CLOSTRIDIUM_BOTULINUM	238, 239, 240, 454, 633, 873, 952, 1272, 1409, 1743, 2039, 2040, 2041, 2219, 2412
BACTERIA_COLIFORM	66, 92, 189, 244, 319, 329, 330, 333, 337, 453, 465, 714, 856, 915, 962a, 967, 968, 969, 971, 972, 973, 974, 979, 980, 994, 1025, 1029, 1104, 1106, 1313, 1558, 1639, 1641, 1657, 1743, 1819, 1826, 1827, 1828, 1829, 1870, 1878, 1936, 2162, 2170, 2175, 2195, 2201, 2205, 2231, 2255, 2258a, 2270, 2428
BACTERIA_DEGRADATION	641, 1122, 1345
BACTERIA_DISTRIBUTION	92, 104, 239, 240, 333, 765, 835, 994, 1272, 1743,

BACTERIA_DISTRIBUTION (continued)	1766, 1819, 1827, 1936, 2040, 2041, 2219, 2428
BACTERIA_ESCHERICHIA COLI	854, 855
BACTERIA_FOOD CHAIN	148, 238, 958, 1027, 1272, 1743, 2189
BACTERIA_GROUNDWATER	66, 765, 967, 1890
BACTERIA_HUMAN HEALTH	319, 714, 962a, 967, 968, 972, 974, 979, 980, 1029, 1312, 1313, 1644, 1657, 1820, 1826, 1827, 1828, 1829, 1869, 1870, 1982, 2162, 2201, 2258a, 2412
BACTERIA_LEPTOSPIROSIS	2205
BACTERIA_MONITORING	66, 104, 189, 465, 835, 967, 968, 969, 970, 971, 972, 973, 979, 980, 994, 995, 1014, 1029, 1104, 1558, 1639, 1826, 1827, 1828, 1829, 2170, 2174, 2178, 2255, 2258a, 2364, 2400
BACTERIA_PHYSIOLOGY	1346, 1409, 1826, 1827, 1828, 2190, 2219
BACTERIA_POLLUTION (S: pollution_bacteria)	
BACTERIA_POWER PLANTS (S: power plants, effects on bacteria)	
BACTERIA_PSEUDOMONAS	319, 1819
BACTERIA_SALMONELLA	189, 854, 856, 1743, 1820, 2205
BACTERIA_SEASONAL DISTRIBUTION	2428
BACTERIA_SEASONAL VARIATION	92, 104, 337, 967, 979, 980, 1743, 1795
BACTERIA_SEDIMENTS	92, 238, 240, 765, 958, 1342, 1345, 1346, 1736, 1870, 1878, 1936, 2041, 2094, 2095, 2096, 2120, 2170, 2189, 2231, 2400
BACTERIA_SHIGELLA	854, 855, 856, 1743
BACTERIA_STREPTOCOCCI	66, 189, 971, 972, 974, 979, 980, 1104, 1175, 1819, 1826, 1936, 2195, 2205, 2231, 2270
BACTERIA_WATER QUALITY	66, 92, 175, 189, 244, 319, 329, 330, 333, 337, 453, 465, 706, 714, 724, 765, 800, 854, 855, 856, 915, 952, 958, 962a, 967,
(SA: pollution_bacteria)	

BACTERIA_WATER QUALITY	968, 969, 970, 971, 972,
(continued)	973, 974, 979, 980, 994,
	995, 1014, 1025, 1027, 1029,
	1030, 1058, 1104, 1106, 1175,
	1183, 1312, 1313, 1558, 1639,
	1641, 1644, 1657, 1743, 1795,
	1819, 1820, 1826, 1827, 1828,
	1829, 1869, 1870, 1890, 1936,
	1982, 2039, 2040, 2041, 2094,
	2095, 2096, 2120, 2162, 2170,
	2174, 2175, 2178, 2189, 2190,
	2195, 2201, 2205, 2231, 2250,
	2254, 2255, 2258a, 2258b, 2270,
	2333, 2364, 2377, 2400
BACTERIA_WATER SUPPLY	465, 714, 765, 967, 968,
	972, 974, 979, 980, 1106,
	1641, 1827, 1828, 1829, 1982,
	2190, 2255, 2257, 2258a
BARIUM	138, 326, 584, 594, 967,
	968, 1030, 1175, 1220, 1419,
	1718, 1725, 1773, 1827, 1828,
	1829, 2086, 2187, 2287
BAROMETRIC PRESSURE	189, 294, 394, 497, 498,
	499, 502, 503, 574, 636,
	646, 660, 661, 662, 663,
	664, 665, 830, 831, 832,
	942, 983, 1051, 1052, 1060,
	1174, 1282, 1467, 1605, 1610,
	1626, 1627, 1817, 2028, 2029,
	2030, 2033, 2072, 2073, 2092,
	2095
BASEMENT ROCKS	1527, 1530, 1531
BASIN MORPHOLOGY (SA: bathymetry)	30, 1227b, 1373, 2241b
(SA: hydrography)	
BASS (SA: specific species)	166, 223, 382, 428, 468,
	555, 754, 774, 775, 967,
	1000, 1098, 1125, 1193, 1269,
	1390, 1492, 1566, 1585, 1683,
	1752, 1828, 1970, 2050, 2065,
	2265, 2279, 2281
BATHYMETRY (SA: hydrography)	107, 111, 208, 673, 674,
(SA: mapping)	675, 729, 730, 731, 848,
	946, 1149, 1151, 1171, 1195,
	1244, 1245, 1359, 1360, 1382,
	1415, 1416, 1418, 1419, 1507,
	1514, 1555, 1608, 1905, 1944,
	2166, 2170, 2172, 2375
BEACH NOURISHMENT	816, 1328, 2100, 2117, 2118,
	2125, 2138, 2408, 2410
BEACHES (general)	294, 448, 661, 1214, 1227

BEACHES_BIOLOGY	103, 159, 480, 973, 977, 979, 1045, 1149, 1151, 1395, 1398, 1639, 1883, 2099, 2138, 2152, 2174, 2178, 2350
BEACHES_EROSION	28, 29, 50, 253, 255, 256, 257, 258, 339, 402, 403, 404, 480, 486, 487, 489, 491, 494, 495, 496, 497, 498, 501, 502, 503, 504, 505, 509, 510, 556, 557, 558, 573, 660, 662, 663, 664, 670, 672, 728, 809, 816, 869, 881, 882, 892, 963, 965, 966b, 983, 1042, 1045, 1075, 1149, 1150, 1151, 1152, 1186, 1205, 1227a, 1238, 1241, 1326, 1328, 1395, 1515, 1529, 1876, 1880, 2054, 2097, 2099, 2100, 2101, 2102, 2103, 2117, 2118, 2121, 2122, 2125, 2138, 2152, 2235, 2237, 2272, 2277, 2325, 2406, 2408, 2410
BEACHES_GEOMORPHOLOGY	488, 491, 495, 496, 497, 498, 499, 501, 502, 509, 527, 563, 564, 565, 572, 573, 660, 662, 663, 664, 723, 728, 809, 820, 869, 881, 882, 891, 892, 1120, 1149, 1188, 1190, 1326, 1818, 1871, 2103, 2117, 2118, 2277, 2408
BEACHES_GRAIN SIZE	484, 563, 572, 668, 670, 882, 949, 950, 1149, 1150, 1151, 1152, 1238, 2099, 2237
BEACHES_MONITORING	973, 979, 1639, 1883, 2174, 2178, 2272, 2408
BEACHES_RECREATION	322, 480, 537, 751, 963, 965, 979, 1042, 1045, 1075, 2101, 2111, 2152
BEACHES_WATER QUALITY	456, 480, 537, 963, 965, 966a, 973, 979, 1395, 1639, 2138, 2152, 2174, 2178, 2272
BEDROCK	204, 740, 917, 921, 981, 1243, 1245, 1262, 1527, 1530, 1531, 1940, 1944, 1948, 1997, 2223, 2302, 2345, 2346, 2435
BENTHIC ALGAE (S: periphyton or specific species)	

BENTHIC_INVERTEBRATES
 (SA: Invertebrates)
 (SA: specific species or taxa)

BENTHIC_INVERTEBRATES_ABUNDANCE 22, 23, 24, 128, 152,
 174, 347, 392, 418, 420,
 421, 427, 704, 837, 845,
 866, 867, 893, 927, 932,
 933, 934, 994, 998, 1019,
 1092, 1268, 1381, 1402, 1444,
 1447, 1448, 1449, 1450, 1451,
 1578, 1649, 1651, 1653, 1675,
 1687, 1723, 1727, 1740, 1827,
 1837, 2008, 2079, 2083, 2189,
 2312, 2315, 2323

BENTHIC_INVERTEBRATES_BEHAVIOR 1402, 1585, 1588, 1740, 2286,
 2289

BENTHIC_INVERTEBRATES_BIOACCUMULATION .. 106, 427, 685, 885, 886,
 (SA: benthic_invertebrates_uptake) 887, 1127, 1128, 1445, 1492,
 1604, 1826, 1827, 2286, 2289,
 2299, 2424

BENTHIC_INVERTEBRATES_BIOMASS 24, 25, 928, 1268, 1648,
 1649, 1729

BENTHIC_INVERTEBRATES_DEPTH 1648, 1649, 1743, 2314

BENTHIC_INVERTEBRATES_DIET 685, 887, 967, 1342, 1427,
 1449, 1585, 1588, 1604, 1699,
 1740, 1878, 2083, 2274, 2307,
 2320, 2415, 2424

BENTHIC_INVERTEBRATES_DISTRIBUTION 22, 23, 24, 92, 110,
 116, 117, 128, 163, 174,
 418, 419, 420, 421, 427,
 612, 704, 765, 837, 845,
 866, 867, 893, 931, 932,
 933, 934, 994, 998, 1019,
 1149, 1368, 1381, 1401, 1402,
 1444, 1447, 1448, 1450, 1578,
 1648, 1649, 1651, 1675, 1687,
 1723, 1727, 1729, 1740, 1743,
 1827, 1837, 1884, 1936, 1944,
 1948, 1961, 2007, 2008, 2044,
 2083, 2223, 2286, 2289, 2299,
 2312, 2314, 2315, 2323, 2424

BENTHIC_INVERTEBRATES_GROWTH 392, 1578, 2083

BENTHIC_INVERTEBRATES_HABITAT 421, 612, 893, 927, 976,
 998, 1368, 1381, 1402, 1448,
 1452, 2323

BENTHIC_INVERTEBRATES_LIFE HISTORY 22, 2083

BENTHIC_INVERTEBRATES_METABOLISM 151, 1030, 1604, 1961

BENTHIC_INVERTEBRATES_METALS 64, 92, 106, 174, 176,
 208, 426, 427, 685, 765,

BENTHIC_INVERTEBRATES_METALS	967,	969,	972,	974,	980,
(continued)	994,	1027,	1030,	1127,	1128,
	1220,	1336,	1445,	1493,	1604,
	1826,	1827,	1884,	1936,	2231,
	2270,	2286,	2289,	2385,	2400,
	2424				
BENTHIC_INVERTEBRATES_MODEL					
(S: model_benthic_invertebrates)					
BENTHIC_INVERTEBRATES_MONITORING	62,	91,	106,	116,	117,
	128,	163,	315,	685,	722,
	837,	967,	969,	972,	980,
	994,	995,	999,	1015,	1019,
	1020,	1092,	1336,	1445,	1446,
	1447,	1448,	1469,	1528,	1551,
	1580,	1585,	1687,	1688,	1766,
	1826,	1827,	2007,	2090,	2385,
	2400				
BENTHIC_INVERTEBRATES_MORTALITY	185,	1024,	1578,	2079,	2083,
	2366				
BENTHIC_INVERTEBRATES_NUTRIENTS	91,	92,	110,	113,	152,
	172,	174,	176,	182,	208,
	310,	347,	392,	418,	677,
	702,	765,	931,	934,	1027,
	1580,	1719,	1827,	1837,	1936,
	1956,	2167,	2189,	2270,	2385,
	2400				
BENTHIC_INVERTEBRATES_ORGANICS	62,	106,	208,	310,	765,
	837,	885,	886,	887,	967,
	972,	974,	980,	1027,	1030,
	1826,	1827,	1935,	1936,	2189,
	2323				
BENTHIC_INVERTEBRATES_PHYSIOLOGY	427,	837,	1578,	1585,	1604,
	1826,	1827,	1961		
BENTHIC_INVERTEBRATES_POLLUTION					
(S: pollution_benthic_invertebrates)					
BENTHIC_INVERTEBRATES_POPULATIONS	23,	24,	116,	117,	128,
	418,	420,	421,	427,	612,
	845,	867,	932,	1091,	1092,
	1268,	1341,	1450,	1469,	1649,
	1675,	1740,	1743,	2312	
BENTHIC_INVERTEBRATES_POWER PLANTS					
(S: power plants, effects on					
benthic_invertebrates)					
BENTHIC_INVERTEBRATES_SEASONAL					
VARIATION	24,	92,	117,	967,	980,
	1452,	1727,	1743,	2289	
BENTHIC_INVERTEBRATES_TAXONOMY	418,	893,	894		

BENTHIC_INVERTEBRATES_TEMPERATURE	62,	91,	92,	107,	110,
(SA: power plants, effects on	120,	182,	310,	315,	347,
benthic_invertebrates)	765,	905,	967,	969,	972,
(SA: thermal pollution, effects on	974,	980,	994,	995,	998,
benthic_invertebrates)	999,	1091,	1151,	1341,	1368,
	1452,	1528,	1551,	1580,	1743,
	1826,	1827,	1837,	1878,	2083,
	2090,	2270,	2312,	2314,	2315,
	2366,	2379,	2385		
BENTHIC_INVERTEBRATES_TOXICS	92,	208,	310,	427,	702,
	837,	885,	886,	887,	930,
	967,	972,	974,	1027,	1030,
	1220,	1604,	1827,	1884,	1935,
	1936,	2079,	2189,	2323,	2424
BENTHIC_INVERTEBRATES_UPTAKE	427,	685,	1492,	1493,	1884,
(SA: benthic_invertebrates_	1956,	2286,	2289		
bioaccumulation)					
BENTHIC_INVERTEBRATES_WATER_QUALITY					
(S: water_quality_benthic_					
invertebrates)					
BENTHIC_INVERTEBRATES_WEIGHT	25,	928			
BENTHIC_TOPOGRAPHY					
(S: topography_benthic)					
BENZENE	472,	952,	1705,	1706,	2165
BERYLLIUM	371,	686,	798,	1222,	1242,
	1891,	1892			
BHC (SA: lindane; SA: organochlorine....	1027				
pesticides)					
BIBLIOGRAPHY	10,	61,	183,	297,	316,
	481,	696,	810,	865,	889,
	976,	1309,	1310,	1765,	1980,
	2096,	2202,	2213,	2369,	2374,
	2435,	2439			
BICARBONATE	66,	954,	987,	988,	1767
BIOACCUMULATION (SA: uptake)					
(SA: benthic_invertebrates_					
bioaccumulation)					
(SA: birds_bioaccumulation)					
(SA: fish_bioaccumulation)					
(SA: invertebrates_bioaccumulation)					
(SA: phytoplankton_bioaccumulation)					
(SA: zooplankton_bioaccumulation)					
BIOACCUMULATION_INORGANICS	41,	106,	425,	427,	428,
	586,	596,	627,	685,	835,
	862,	879,	1029,	1039,	1040,
	1127,	1128,	1140,	1141,	1178,
	1269,	1334,	1338,	1445,	1491,
	1492,	1558,	1604,	1706,	1725,
	1826,	1827,	1957,	1958,	1959,

BIOACCUMULATION_INORGANICS	1960, 1968, 2065, 2190, 2205,
(continued)	2286, 2289, 2299, 2301, 2335,
	2424
BIOACCUMULATION_METALS	
(S: metals_bioaccumulation)	
BIOACCUMULATION_ORGANICS	31, 37, 93, 95, 106,
(SA: toxics; SA: toxicity)	627, 643, 786, 835, 863,
	885, 886, 887, 951, 1029,
	1039, 1040, 1083, 1089, 1114,
	1115, 1142, 1143, 1179, 1217,
	1277, 1308, 1351, 1487, 1558,
	1591, 1630, 1690, 1691, 1692,
	1706, 1825, 1826, 1827, 1831,
	2190, 2205, 2259, 2262, 2265,
	2310, 2338
BIOACCUMULATION_RADIOACTIVITY	106, 685, 1029, 1040, 1127,
	1351, 1558, 2190, 2299
BIOACCUMULATION_RADIONUCLIDES	106, 427, 428, 596, 685,
	1039, 1127, 1128, 1334, 1338,
	1445, 1491, 1492, 1725, 1827,
	1957, 1958, 1959, 1960, 1968,
	2286, 2289, 2299, 2301, 2424
BIOACCUMULATION_TOXICS	31, 37, 41, 93, 95,
	425, 427, 428, 596, 727,
	835, 862, 863, 879, 885,
	886, 887, 951, 1029, 1039,
	1040, 1083, 1089, 1114, 1115,
	1140, 1141, 1142, 1143, 1178,
	1179, 1217, 1269, 1277, 1308,
	1487, 1591, 1604, 1630, 1690,
	1692, 1706, 1725, 1825, 1827,
	1831, 1959, 1968, 2065, 2190,
	2205, 2259, 2262, 2265, 2310,
	2335, 2338, 2424
BIOASSAY (SA: toxicity)	34, 59, 60, 93, 185,
	650, 702, 703, 719, 817,
	854, 855, 924, 1000, 1018,
	1030, 1099, 1122, 1142, 1235,
	1333, 1337, 1400, 1409, 1584,
	1833, 1838, 1839, 1859, 1907,
	1908, 2305
BIOAVAILABILITY	1235, 1465, 1466, 1796, 2205
BIOCHEMICAL OXYGEN DEMAND	434, 474, 800, 952, 967,
	995, 1025, 1104, 1175, 1183,
	1340, 1705, 1706, 1795, 1827,
	1936, 1977, 1982, 2037, 2085,
	2095, 2120, 2165, 2187, 2189,
	2195, 2250, 2364, 2376, 2377,
	2379

BIOCHEMISTRY	247, 248, 585, 839, 1172, 1315, 1316, 1584, 1978, 1979, 1981, 2089, 2252
BIOENERGETICS (S: fish_bioenergetics)	
BIOTRANSFORMATION	69, 1345, 1346, 1432
(SA: organics_degradation)	
BIOTURBATION	1222, 1719, 1936, 1944, 2289
BIRDS (SA: specific species; SA: ducks; SA: gulls; SA: terns)	
BIRDS_ABUNDANCE	1272, 1740, 1827, 1831
BIRDS_BACTERIA (infected with	238, 633, 873, 1272, 1409, Clostridium botulinum) 1743
BIRDS_BEHAVIOR	627, 1271, 1740
BIRDS_BIOACCUMULATION	31, 95, 627, 885, 886, 887, 1114, 1115, 1277, 1604, 1827, 1831
BIRDS_DIET	31, 103, 238, 633, 887, 1073, 1272, 1274, 1275, 1276, 1409, 1604, 1740, 1743, 1878
BIRDS_DISTRIBUTION	95, 139, 274, 977, 1272, 1412, 1597, 1598, 1740, 1743, 1784, 1827, 1832
BIRDS_EGGS	627, 1604
BIRDS_FOSSILS	2057
BIRDS_GROWTH	1272, 2221
BIRDS_HABITAT	747, 977, 1138, 1743, 1832, 1893, 2221
BIRDS_HISTORY	1271, 1390, 1743
BIRDS_MIGRATION	274, 1597, 1598, 1784
BIRDS_MONITORING	1270, 1273, 1412, 1827
BIRDS_MORPHOLOGY	1602
BIRDS_MORTALITY	238, 400, 633, 873, 1115, 1271, 1272, 1274, 1275, 1276, 1277, 1409, 1831, 1893
BIRDS_ORGANICS	31, 95, 627, 885, 886, 887, 952, 1114, 1115, 1272, 1276, 1277, 1484, 1827, 1831
BIRDS_PHYSIOLOGY	627, 1271, 1409, 1604, 1827
BIRDS_POPULATIONS	747, 873, 1073, 1270, 1271, 1272, 1273, 1274, 1275, 1277, 1412, 1598, 1600, 1602, 1603, 1740, 1831, 1832

BIRDS_REPRODUCTION	627, 1073, 1114, 1115, 1271, 1274, 1277, 1604, 1827, 1893
BIRDS_SEASONAL DISTRIBUTION	274, 1412
BIRDS_SUMMARY (S: summary_birds)	
BIRDS_SURVIVAL	1114, 1115, 1273, 1274, 1277
BIRDS_TOXICS (S: toxics_birds)	
BISMUTH	2287
BLOATER (SA: chub)	93, 166, 178, 223, 277, 278, 366, 382, 391, 422, 545, 555, 599, 835, 836, 916, 967, 974, 994, 1269, 1487, 1538, 1680, 1687, 1691, 1693, 1826, 1829, 1922, 2050, 2065, 2289, 2301, 2313, 2314, 2320, 2337, 2424
BLUE PIKE	10, 178, 223, 273, 468, 545, 1683
BLUE-GREEN ALGAE	92, 105, 431, 468, 629, 696, 974, 994, 1315, 1316, 1325, 1340, 1350, 1390, 1459, 1584, 1743, 1826, 1833, 1834, 1837, 1838, 1843, 1936, 2005, 2012, 2015, 2016, 2017, 2138, 2189, 2219, 2231, 2250, 2251, 2252, 2276
BLUEGILL (SA: sunfish)	1000, 1098, 1492, 1584
BLUFF RECESSION (SA: bluffs_erosion) ...	73, 203, 258, 259, 295, 403, 510, 557, 597, 660, 761, 869, 983, 1027, 1151, 1185, 1186, 1215, 1238, 1326, 1328, 1410, 1617, 1783, 1875, 1880, 1882, 2100, 2102, 2116
BLUFF SLUMPING (SA: bluffs_erosion)	28, 75, 203, 253, 254, 255, 402, 452, 504, 510, 557, 568, 569, 728, 811, 869, 890, 1192, 1395, 1557, 1663
BLUFFS (general)	820, 1191
BLUFFS_EROSION	28, 29, 50, 73, 75, (SA: bluff recession) 203, 222b, 253, 254, 255, (SA: bluff slumping) 257, 258, 259, 295, 339, 401, 402, 403, 486, 490, 491, 492, 495, 504, 509, 510, 557, 566, 567, 568, 569, 597, 660, 670, 728, 745, 761, 811, 890, 963, 965, 983, 1185, 1186, 1192, 1215, 1227a, 1238, 1241, 1326,

BLUFFS_EROSION (continued)	1395, 1410, 1557, 1615, 1617, 1663, 1783, 1874, 1876, 1882, 2102, 2103, 2115, 2116, 2147, 2272, 2408
BOATING	52, 322, 386, 533, 535, 536, 537, 539, 541, 543, 724, 750, 756, 819, 829, 1045, 1436, 1949, 1950, 2024, 2025, 2124, 2139b, 2180, 2190, 2232, 2375
BOGS (S: wetlands)	
BORON	686, 798, 967, 1025, 1030, 1104, 1211, 1222, 1242, 1827, 1828, 1829, 1891, 1892, 2085, 2287
BOSMINA	107, 152, 270, 701, 1325, 1367, 1369, 1519, 1776, 1837, 2044, 2080, 2083, 2231, 2307, 2312, 2316
BOWFIN	166, 1399, 1585, 2279, 2281
BREAKWATERS (SA: coastal structures) ...	73, 253, 254, 255, 437, 457, 1075, 1328, 1395, 2100, 2103, 2105, 2115, 2117, 2118, 2407
BROMINE	428, 584, 585, 594, 686, 740, 798, 1220, 1221, 1222, 1242, 1269, 1891, 1892, 2069, 2070, 2086
BROOK LAMPREY	555, 1321, 1322, 1906, 1915, 1922, 2061
BROOK TROUT (SA: trout)	382, 555, 1308, 1690, 1752, 1922, 1954, 1965, 1970, 2066
BROWN TROUT (SA: trout)	67, 382, 428, 555, 994, 1098, 1550, 1585, 1660, 1746, 1752, 1753, 1755, 1825, 1828, 1954, 1955, 1957, 1959, 1964, 1965, 1969, 1970, 1974, 2050, 2065, 2066, 2262
BRYOZOA	972
BULKHEADS (SA: coastal structures)	402, 983, 2103, 2115, 2116, 2117
BULLHEAD	222b, 1098, 1125, 1140, 1752, 1970, 2065, 2231, 2265
BURBOT	32, 166, 367, 382, 555, 1098, 1125, 1585, 1790, 1922, 1926, 2050, 2065, 2279, 2281, 2322, 2323

CADDISFLY (S: Trichoptera)

CADMIUM 33, 66, 149, 371, 584,
585, 594, 610, 648, 649,
686, 955, 958, 962a, 967,
968, 971, 1027, 1062, 1175,
1178, 1211, 1220, 1269, 1333,
1337, 1344, 1609, 1705, 1706,
1827, 1828, 1829, 1891, 2085,
2086, 2093, 2135, 2165, 2187,
2221, 2287, 2354, 2429

CALCITE 325, 798, 1160, 1262, 1609,
1835, 1905, 1917, 2074

CALCITE WHITINGS (S: calcium carbonate)

CALCIUM 8, 9, 66, 88, 89,
92, 102, 124, 138, 174,
175, 176, 178, 180, 186,
189, 325, 326, 381, 474,
686, 765, 818, 838, 839,
954, 987, 988, 1104, 1159,
1160, 1161, 1222, 1250, 1262,
1335, 1400, 1647, 1705, 1710,
1712, 1718, 1725, 1767, 1769,
1771, 1772, 1788, 1826, 1837,
1857, 1897, 1977, 1978, 2032,
2034, 2085, 2095, 2187, 2231,
2238, 2253, 2309, 2433

CALCIUM CARBONATE 66, 88, 89, 102, 124,
189, 954, 987, 988, 1160,
1262, 1767, 1826, 2032, 2034,
2085, 2231, 2238, 2253, 2309

CALUMET STAGE (SA: lake stages) 264, 265, 621, 622, 623

CARBON DIOXIDE 686, 875, 1160, 1262, 1743

CARBON-14 (SA: carbon uptake) 106, 433, 672, 1102, 1187,
(SA: dating) 1227a, 1532, 1564, 2346, 2357,
2413

CARBON_INORGANIC (S: inorganic carbon)

CARBON_ORGANIC (S: organic carbon)

CARBON UPTAKE 181, 196, 237, 639, 640,
702, 1001, 1539, 1564, 1777,
1805, 1807, 1841, 2275

CARBONATE 66, 88, 89, 102, 124,
189, 327, 715, 799, 954,
987, 988, 1160, 1262, 1397,
1415, 1416, 1767, 1774, 1826,
1887, 1891, 1917, 2032, 2034,
2085, 2231, 2238, 2253, 2302,
2309

CARCINOGENS (S: organics; S: toxics)

CAROTENOIDS (SA: plant pigments)	375, 1777, 2421
CARP	166, 178, 223, 273, 382, 428, 468, 545, 555, 754, 774, 775, 974, 994, 1098, 1125, 1578, 1688, 1752, 1825, 1828, 1922, 1954, 1964, 1970, 1973, 1974, 2065, 2219, 2231, 2262, 2265, 2322, 2323
CASPIAN TERNS (SA: birds)	1271, 1273, 1274
CATFISH	166, 223, 431, 754, 774, 1098, 1399, 2219, 2366
CATOSTOMIDS (SA: sucker)	1684
CAVEFISH	1399
CERIODAPHNIA	1367, 2080, 2316
CERIUM	584, 594, 1490, 1725, 2086
CESIUM	13, 14, 106, 583, 585, 587, 588, 590, 685, 1103, 1224, 1336, 1338, 1492, 1493, 1606, 1621, 1622, 1624, 1625, 1711, 1714, 1715, 1716, 1957, 1958, 1959, 1960, 1968, 2086, 2289, 2290, 2292, 2293, 2294, 2296, 2424
CESTODA	1538
CHARA	32, 1492, 2286
CHEMICAL OXYGEN DEMAND	702, 1104, 1165, 2093, 2135, 2195
CHEMISTRY (S: geochemistry, inorganics, metals, nutrients, organics, sediments, or water quality)	
CHESTNUT LAMPREY	1906
CHICAGO OUTLET (SA: lake outlets)	264, 2345
CHINOOK SALMON (SA: salmon)..... (SA: salmonid)	311, 382, 428, 555, 774, 775, 1070, 1071, 1098, 1267, 1353, 1390, 1399, 1565, 1660, 1702, 1746, 1752, 1753, 1828, 1922, 1930, 1954, 1955, 1957, 1965, 1969, 1970, 2066, 2262, 2289, 2301, 2424
CHIPPEWA STAGE (SA: lake stages)	220, 296, 1415, 1416, 1944, 1947, 2057
CHIRONOMIDS (SA: Diptera)	23, 24, 25, 107, 113, 418, 468, 702, 817, 865, 905, 926, 927, 928, 933, 967, 972, 974, 976, 977, 1019, 1448, 1449, 1452, 1648,

CHIRONOMIDS (continued)	1649, 1655, 2007, 2189, 2231, 2307, 2415, 2420
CHLORDANE (SA: organochlorine pesticides)	863, 967, 1026
CHLORIDE	7, 11, 12, 66, 91, 92, 152, 174, 175, 176, 178, 180, 186, 189, 309, 325, 427, 531, 765, 817, 954, 958, 962a, 967, 969, 971, 972, 980, 987, 988, 1011, 1014, 1025, 1030, 1104, 1105, 1159, 1160, 1175, 1211, 1262, 1411, 1524, 1553, 1558, 1705, 1706, 1733, 1767, 1788, 1826, 1827, 1828, 1829, 1833, 1837, 1862, 1868, 1870, 1936, 1977, 2012, 2070, 2085, 2095, 2120, 2160, 2187, 2195, 2201, 2206, 2231, 2238, 2241c, 2254, 2255, 2258a, 2258b, 2270, 2333, 2352, 2364, 2433
CHLORINATED HYDROCARBONS (S: specific compounds; S: organics)	
CHLORINE (SA: chloride)	185, 428, 1250, 1449, 1725, 2069, 2070, 2309
CHLORITE	798, 799, 1415, 1416, 1891, 1905, 1917
CHLOROBENZENES (S: specific compounds)	
CHLOROPHYLL (SA: plant pigments)	20, 26, 88, 89, 91, 92, 237, 335, 336, 375, 610, 650, 911, 934, 962a, 1001, 1005, 1057, 1173, 1183, 1406, 1560, 1568, 1580, 1732, 1777, 1779, 1795, 1796, 1805, 1807, 1833, 1834, 1837, 1838, 1839, 1844, 1936, 1975, 2034, 2055, 2083, 2170, 2205, 2275, 2276, 2421, 2422
CHLOROPHYLL SEASONAL DISTRIBUTION	1732, 2276
CHLOROPHYTA (S: green algae)	
CHROMIUM	92, 381, 585, 594, 648, 649, 686, 798, 836, 838, 955, 967, 968, 971, 974, 1025, 1057, 1175, 1178, 1211, 1220, 1221, 1222, 1242, 1269, 1609, 1625, 1705, 1706, 1712, 1718, 1725, 1773, 1827, 1828, 1891, 1892, 2085, 2086, 2093, 2135, 2165, 2187, 2231, 2287, 2309, 2354

CHRYSTOPHYCEAE	375,	629,	1315,	1325,	1459,
	1837,	1843,	2016,	2017,	2254,
	2257				
CHRYSTOPHYTA (S: Chrysophyceae; S: diatoms)					
CHUB (SA: bloater)	93,	160,	178,	223,	260,
	272,	273,	366,	422,	428,
	545,	726,	774,	775,	836,
	887,	916,	967,	974,	994,
	1077,	1269,	1487,	1687,	1689,
	1691,	1693,	1743,	1825,	1826,
	1922,	1964,	1970,	1974,	2050,
	2065,	2262,	2265,	2314,	2412,
	2424				
CIRCULATION_AERIAL PHOTOGRAPHY	81,	630,	1106,	1506,	1508,
	2038,	2078,	2334,	2434	
CIRCULATION_DISCHARGE	11,	12,	113,	181,	309,
	683,	684,	692,	990,	1106,
	1149,	1210,	1329,	1349,	1354,
	1401,	1442,	1608,	1634,	1635,
	1637,	1659,	1804		
CIRCULATION_HARBORS	113,	673,	1105,	1106,	1373,
	1509,	1812,	1813		
CIRCULATION_LAKE BREEZE	1291,	1294,	1422,	2029,	2030,
	2031,	2072,	2073,	2172	
CIRCULATION_MODEL	11,	12,	21,	78,	92,
	200,	201,	202,	213,	215,
	309,	442,	443,	444,	445,
	448,	449,	532,	636,	673,
	682,	683,	830,	831,	832,
	875,	935,	936,	957,	958,
	1105,	1106,	1109,	1135,	1136,
	1169,	1213,	1232,	1233,	1285,
	1319,	1354,	1373,	1433,	1438,
	1468,	1505,	1512,	1628,	1634,
	1635,	1637,	1811,	1898,	2030,
	2031,	2042,	2072,	2073,	2334,
	2418,	2434			
CIRCULATION_POLLUTION	11,	12,	21,	81,	92,
(SA: circulation_water quality)	113,	181,	182,	309,	446,
	449,	532,	680,	682,	683,
	684,	692,	765,	875,	957,
	958,	990,	1105,	1106,	1109,
	1149,	1169,	1210,	1232,	1233,
	1285,	1291,	1294,	1329,	1349,
	1354,	1401,	1442,	1616,	1619,
	1634,	1635,	1637,	1659,	1804,
	1810,	1811,	1898,	2078,	2085,
	2164,	2172,	2269,	2422,	2434
CIRCULATION_POWER PLANTS	81,	125,	181,	680,	682,
	683,	684,	692,	765,	957,

CIRCULATION_POWER PLANTS (continued) ...	990, 1149, 1169, 1233, 1329, 1442, 1616, 1634, 1635, 1637, 1659, 1804, 1811, 1877, 1898, 2078, 2422, 2434
CIRCULATION_REMOTE SENSING	1109, 1241, 1264, 1285, 1329, 2034, 2036, 2038, 2078
CIRCULATION_RESEARCH NEEDS	243, 765, 1428, 1619, 1634, 2229
CIRCULATION_SEASONAL VARIATION	11, 92, 199, 875, 935, 936, 957, 1105, 1109, 1241, 1294, 1318, 1438, 1468, 1505, 1506, 1512, 1608, 1634, 1659, 1738, 1809, 1811, 1817, 2042, 2085, 2172, 2268, 2269
CIRCULATION_SEDIMENTS	78, 92, 98, 109, 113, 574, 667, 765, 875, 958, 1149, 1241, 1401, 1608, 1654, 1884, 1904, 1905, 2085, 2092, 2407
CIRCULATION_SUMMARY (S: summary_circulation)	
CIRCULATION_TEMPERATURE	11, 21, 78, 81, 92, 97, 181, 182, 191, 192, 194, 199, 200, 201, 202, 213, 243, 442, 443, 444, 445, 448, 574, 630, 680, 684, 692, 765, 830, 831, 832, 875, 935, 936, 957, 958, 990, 1106, 1109, 1135, 1169, 1213, 1232, 1233, 1279, 1285, 1294, 1318, 1329, 1354, 1390, 1408, 1422, 1428, 1437, 1438, 1442, 1505, 1506, 1508, 1509, 1512, 1619, 1634, 1635, 1637, 1659, 1673, 1707, 1738, 1739, 1788, 1804, 1809, 1810, 1812, 1815, 1843, 1877, 1898, 2029, 2030, 2031, 2034, 2036, 2042, 2072, 2073, 2085, 2164, 2172, 2267, 2270, 2334, 2422, 2434
CIRCULATION_TRANSPORT	11, 12, 21, 78, 446, 449, 500, 532, 574, 630, 666, 667, 875, 1105, 1106, 1109, 1149, 1232, 1241, 1285, 1294, 1318, 1354, 1490, 1608, 1646, 1695, 1738, 1810, 1817, 1884, 2078, 2085, 2092, 2407
CIRCULATION_WATER QUALITY	11, 92, 97, 181, 182, (SA: circulation_pollution) 309, 449, 765, 875, 958,

CIRCULATION_WATER QUALITY (continued) ..	1105, 1106, 1210, 1349, 1390, 1401, 1619, 1680, 2085, 2270
CIRCULATION_WAVES	21, 200, 213, 442, 443, 448, 500, 558, 574, 636, 673, 765, 831, 832, 875, 1084, 1233, 1257, 1264, 1373, 1408, 1428, 1628, 1695, 1812, 1813, 1814, 1815, 1904, 1905, 2029, 2042, 2092, 2161, 2163, 2168, 2267, 2334, 2407, 2418
CISCO	178, 232, 367, 392, 428, 468, 908, 1250, 1399, 1683, 1920, 1925, 1926, 2065, 2265, 2320, 2322, 2323
CLADOCERA (SA: specific species)	92, 107, 152, 155, 190, 521, 696, 698, 699, 701, 704, 801, 972, 977, 980, 1181, 1325, 1333, 1335, 1337, 1367, 1368, 1369, 1374, 1401, 1519, 1568, 1569, 1585, 1699, 1776, 1837, 1844, 2043, 2044, 2050, 2080, 2082, 2083, 2138, 2231, 2306, 2307, 2312, 2316, 2420
CLADOPHORA (SA: green algae)	9, 32, 152, 551, 650, (SA: periphyton) 702, 713, 714, 870, 871, 994, 1234, 1235, 1236, 1488, 1489, 1492, 1743, 1889, 2897, 1935, 1936, 2047, 2063, 2189, 2190, 2231, 2254, 2257, 2286, 2289, 2424, 2436
CLAMS	23, 24, 25, 110, 113, 418, 468, 551, 612, 644, 853, 865, 867, 933, 967, 972, 974, 980, 994, 1019, 1149, 1151, 1179, 1381, 1448, 1449, 1451, 1452, 1648, 1649, 1651, 1655, 1686, 1723, 1727, 1740, 1826, 1837, 2007, 2189, 2248
CLAY	15, 66, 96, 101, 111, 205, 241, 325, 430, 433, 567, 568, 587, 612, 740, 798, 799, 882, 917, 954, 983, 1123, 1149, 1151, 1188, 1219, 1227b, 1238, 1240, 1241, 1242, 1244, 1415, 1416, 1418, 1419, 1608, 1654, 1717, 1774, 1782, 1857, 1887, 1891, 1892, 1905, 1917, 1944, 1947, 1948, 1997, 2074, 2170, 2223, 2297, 2357

CLIMATE (SA: history_climate)	61,	99,	133,	134,	135,
(SA: review_climate)	136,	162,	284,	342,	346,
	351,	353,	355,	356,	357,
	482,	532,	574,	671,	672,
	688,	710,	765,	797,	810,
	833,	850,	1049,	1155,	1156,
	1157,	1188,	1189,	1282,	1285,
	1339,	1390,	1422,	1423,	1467,
	1473,	1513,	1525,	1529,	1532,
	1605,	1610,	1616,	1656,	1741,
	1742,	1790,	1931,	1980,	1998,
	2023,	2026,	2029,	2030,	2031,
	2060,	2103,	2241a,	2243,	2339,
	2340,	2413,	2414,	2440,	2443
CLOSTRIDIUM BOTULINUM (S: bacteria)					
CLOUDS	99,	134,	135,	136,	357,
	469,	478,	710,	860,	1279,
	1284,	1292,	1295,	1296,	1298,
	1301,	1473,	1499,	1610,	1656,
	1931,	2030,	2031		
COAL	740,	1846,	2221,	2354	
COASTAL_MANAGEMENT	28,	29,	47,	50,	53,
	58,	71,	72,	73,	75,
	222b,	249,	256,	257,	339,
	374,	401,	403,	404,	436,
	490,	493,	535,	556,	601,
	737,	745,	751,	761,	811,
	816,	819,	822,	823,	846,
	869,	881,	882,	959,	960,
	961,	962a,	963,	964,	965,
	966a,	966b,	976,	977,	983,
	1085,	1180,	1189,	1191,	1192,
	1205,	1209,	1313,	1328,	1361,
	1394,	1395,	1398,	1436,	1485,
	1486,	1521,	1557,	1620,	1632,
	1783,	2097,	2098,	2099,	2100,
	2101,	2102,	2103,	2105,	2111,
	2115,	2117,	2118,	2119,	2122,
	2125,	2134,	2138,	2146,	2228,
	2234,	2235,	2239,	2326,	2327,
	2371,	2380,	2381,	2406,	2407,
	2409,	2410,	2439,	2441	
COASTAL_MAPPING					
(S: mapping_coastal)					
COASTAL_STRUCTURES	58,	73,	203,	222b,	253,
(SA: specific types of structures)	254,	255,	256,	257,	374,
	402,	403,	404,	405,	406,
	437,	457,	509,	551,	556,
	557,	558,	670,	745,	811,
	816,	823,	824,	869,	982,
	983,	1075,	1180,	1186,	1209,
	1328,	1361,	1394,	1395,	1436,

COASTAL STRUCTURES (continued)	1557, 1615, 1813, 1880, 2099, 2100, 2102, 2103, 2105, 2115, 2116, 2117, 2118, 2121, 2122, 2125, 2138, 2141, 2144, 2145, 2146, 2147, 2228, 2235, 2325, 2326, 2381, 2407
COBALT	326, 381, 584, 585, 594, 648, 649, 686, 798, 838, 955, 1030, 1220, 1222, 1242, 1269, 1419, 1492, 1493, 1725, 1772, 1773, 1891, 1892, 2085, 2086
COD	166
COELENTERATA (S: Hydrozoa)	
COHO SALMON (SA: salmon)	67, 76, 93, 223, 234, (SA: salmonid) 247, 248, 311, 379, 380, 382, 423, 424, 428, 468, 522, 555, 561, 562, 603, 774, 775, 834, 836, 967, 974, 994, 1070, 1071, 1083, 1098, 1217, 1267, 1353, 1386, 1390, 1399, 1550, 1565, 1585, 1588, 1591, 1690, 1692, 1693, 1702, 1752, 1753, 1755, 1825, 1829, 1859, 1860, 1861, 1922, 1930, 1955, 1965, 1970, 1984, 1986, 1987, 1989, 1990, 1991, 1992, 2066, 2075, 2076, 2219, 2262, 2265, 2286, 2289, 2301, 2337, 2338, 2366, 2424
COLEOPTERA (SA: insects)	103, 887, 967, 1585, 1588, 2350
COLIFORM_BACTERIA (S: bacteria)	
COMMERCE	87, 143, 144, 755, 953, 1196, 1536, 1617, 1851, 1858
COMMERCIAL FISHING	95, 140, 141, 142, 160, 176, 178, 182, 233, 272, 273, 279, 320, 366, 438, 441, 461, 468, 544, 545, 611, 654, 677, 726, 727, 754, 773, 774, 775, 790, 876, 888, 1045, 1066, 1076, 1077, 1216, 1258, 1267, 1312, 1379, 1388, 1390, 1454, 1579, 1629, 1631, 1662, 1687, 1688, 1689, 1787, 1920, 1921, 1922, 1924, 1925, 1927, 1928, 1929, 1963, 2009, 2048, 2049, 2075, 2076, 2153, 2216, 2303, 2304, 2322, 2323, 2415

CONDUCTIVITY	9,	11,	66,	91,	100,
	113,	120,	186,	189,	237,
	610,	913,	934,	947,	996,
	1011,	1014,	1025,	1099,	1104,
	1159,	1335,	1362,	1400,	1401,
	1406,	1618,	1705,	1706,	1710,
	1718,	1777,	1779,	1788,	1790,
	1837,	1844,	1936,	1977,	2095,
	2187,	2195,	2270,	2275,	2333,
	2400,	2433			
CONNECTING CHANNELS (SA: waterways)	82,	83,	84,	85,	222a,
	290,	293,	744,	748,	755,
	774,	775,	895,	1049,	1059,
	1131,	1389,	1456,	1495,	1525,
	1581,	1619,	1665,	1666,	1667,
	1679,	1756,	1757,	1758,	1759,
	1760,	1761,	1762,	1763a,	1764,
	1853,	1919,	2069,	2070,	2087,
	2110,	2114,	2142,	2241b,	2348,
	2426				
CONSUMPTIVE USE (S: water use)					
COPEPODA (SA: specific species)	89,	92,	107,	152,	174,
	175,	185,	190,	311,	431,
	451,	641,	696,	698,	699,
	701,	704,	801,	900,	909,
	934,	972,	977,	980,	1181,
	1325,	1337,	1369,	1374,	1427,
	1519,	1568,	1569,	1585,	1653,
	1699,	1722,	1776,	1837,	1844,
	1935,	1936,	1948,	2043,	2044,
	2082,	2083,	2084,	2138,	2223,
	2231,	2283,	2306,	2307,	2312,
	2316				
COPPER	33,	66,	92,	138,	149,
	326,	381,	584,	585,	594,
	610,	648,	649,	686,	740,
	798,	815,	836,	838,	955,
	967,	968,	971,	1027,	1137,
	1175,	1178,	1211,	1218,	1220,
	1221,	1222,	1242,	1269,	1344,
	1418,	1419,	1609,	1625,	1705,
	1706,	1712,	1718,	1725,	1772,
	1773,	1827,	1829,	1891,	1892,
	2085,	2086,	2093,	2135,	2165,
	2187,	2231,	2287,	2309,	2329,
	2354,	2356,	2433		
COREGONINES (SA: specific species)	197,	232,	553,	899,	908,
	1684				
CORING (S: sediment cores)					
CORIOLIS FORCE	78,	97,	200,	215,	243,
	394,	444,	830,	831,	832,

CORIOLIS FORCE (continued)	875, 914, 957, 1084, 1093, 1135, 1136, 1233, 1425, 1431, 1438, 1439, 1468, 1506, 1512, 1677, 1678, 1803, 1904, 1905, 2033, 2269
CORISPERMUM	2244
CORMORANTS (SA: birds)	627
CORYDALIDAE (S: Megaloptera)	
COTTIDS (SA: sculpin)	32, 1684
CRAPPIES	382, 1140
CRAYFISH	32, 195, 197, 644, 685, 1492, 1493, 1653, 2289
CREEL CENSUS (SA: fish_monitoring)	825, 1148, 1266, 1970
CRUSTACEA (S: specific species or taxa)	
CRUSTAL MOVEMENTS	290, 292, 378, 530a, 1049, (SA: isostatic rebound) 1110, 1131, 1134, 1764
CRYPTOPHYTA	629, 974, 1459, 1826, 2015
CURRENTS_DISPERSION (S: dispersion_currents)	
CURRENTS_EFFLUENT	64, 446, 679, 680, 967, 979, 984, 1106, 1169, 1349, 1354, 1558, 1635, 1636, 1828, 1936, 1937, 2078, 2190, 2402, 2422, 2434
CURRENTS_HISTORY	182, 310, 430, 494, 672, 674, 675, 765, 892, 967, 1390, 1558, 1614, 2100, 2103
CURRENTS_MODEL	12, 21, 64, 78, 114, 198, 200, 201, 202, 213, 215, 310, 337, 443, 444, 445, 448, 449, 457, 497, 498, 505, 636, 661, 662, 664, 665, 673, 679, 682, 730, 731, 831, 832, 852, 875, 935, 936, 937, 938, 957, 958, 1093, 1105, 1106, 1169, 1213, 1232, 1233, 1253, 1319, 1354, 1373, 1423, 1433, 1434, 1438, 1443, 1468, 1512, 1555, 1614, 1635, 1811, 1868, 1936, 1937, 2219, 2402, 2418, 2434
CURRENTS_POLLUTION (S: pollution_currents)	
CURRENTS_RESEARCH NEEDS	243, 765, 1428
CURRENTS_SEASONAL VARIATION	199, 294, 337, 494, 875, 935, 936, 957, 967, 979,

CURRENTS_SEASONAL VARIATION	1105, 1241, 1318, 1430, 1434,
(continued)	1438, 1468, 1473, 1506, 1512,
	1608, 1748, 1808, 1809, 1811,
	1817, 2085, 2172, 2268, 2269
CURRENTS_TRANSPORT	12, 21, 78, 130, 294,
	446, 449, 494, 497, 499,
	500, 501, 502, 503, 505,
	509, 574, 660, 662, 663,
	664, 665, 666, 667, 674,
	675, 729, 730, 731, 875,
	892, 967, 979, 984, 1105,
	1106, 1149, 1151, 1152, 1195,
	1214, 1221, 1232, 1241, 1318,
	1354, 1410, 1515, 1608, 1615,
	1695, 1808, 1810, 1817, 1936,
	1947, 2078, 2085, 2092, 2097,
	2100, 2173, 2189, 2277, 2402
CURRENTS_WATER QUALITY	64, 97, 114, 167, 182,
(SA: pollution_currents)	189, 310, 337, 449, 677,
	714, 765, 871, 875, 927,
	958, 967, 979, 984, 1105,
	1106, 1309, 1349, 1390, 1406,
	1410, 1558, 1639, 1828, 1870,
	1936, 1937, 2085, 2138, 2189,
	2190, 2270, 2376, 2400
CUTTHROAT_TROUT (SA: trout)	1399
CYANIDE	189, 800, 967, 968, 970,
	971, 972, 973, 974, 980,
	1025, 1175, 1411, 1558, 1706,
	1826, 1827, 1828, 1829, 1936,
	2085, 2135, 2195, 2258b
CYANOPHYTA (S: blue-green algae)	
CYCLOPS	89, 701, 704, 801, 900,
	909, 1325, 1427, 1519, 1776,
	1837, 2044, 2231, 2307, 2312
CYCLOTELLA (SA: diatoms)	913, 1350, 1839, 1843, 2016,
	2017, 2018, 2020, 2167, 2189,
	2250, 2270
CYPRINIDS (SA: minnows or	166, 727, 1399, 1684
specific species)	
DACE	1098
DAPHNIA	698, 699, 701, 704, 801,
	1072, 1181, 1325, 1333, 1335,
	1367, 1368, 1369, 1401, 1584,
	1776, 2044, 2080, 2083, 2312,
	2316
DARTER	551, 553, 1098, 2091
DATING	65, 296, 433, 588, 672,
(SA: carbon-14; SA: lead-210)	702, 799, 921, 1102, 1187,

DATING (continued)	1188, 1189, 1190, 1227a, 1532, 1709, 1711, 1713, 1714, 1715, 1716, 1717, 1944, 2346, 2357, 2413
DDD (SA: organochlorine pesticides)	93, 1219, 1630, 1828
DDE (SA: organochlorine pesticides)	31, 67, 93, 627, 887, 1057, 1219, 1630, 1828
DDT (SA: organochlorine pesticides)	31, 66, 67, 93, 223, 522, 524, 610, 635, 786, 835, 836, 837, 863, 885, 886, 887, 967, 968, 971, 972, 973, 974, 1026, 1027, 1037, 1039, 1057, 1083, 1089, 1114, 1115, 1142, 1143, 1179, 1219, 1230, 1231, 1272, 1276, 1277, 1308, 1346, 1351, 1484, 1487, 1523, 1558, 1591, 1625, 1630, 1641, 1672, 1673, 1690, 1691, 1692, 1693, 1825, 1826, 1827, 1828, 1829, 1930, 2050, 2085, 2261, 2262, 2337, 2338
DECAPODA (SA: crayfish and other..... specific species)	967
DEGRADATION_BACTERIAL (S: bacteria_degradation)	
DELTAIC FACIES	1624
DEMOGRAPHICS (SA: sociology)	114, 165, 188, 322, 376, 535, 537, 635, 749, 812, 1250, 1375, 1819, 1846, 1849, 2024
DEPOSITION_ATMOSPHERIC (S: atmospheric_deposition)	
DEPOSITION_HISTORY (S: history_deposition)	
DEPOSITION_INORGANICS	16, 33, 63, 69, 149, 180, 360, 386, 425, 583, 587, 588, 589, 590, 591, 592, 593, 596, 635, 644, 646, 707, 708, 709, 710, 798, 815, 827, 828, 875, 877, 903, 967, 1027, 1029, 1103, 1137, 1210, 1221, 1222, 1223, 1242, 1290, 1311, 1334, 1336, 1418, 1426, 1431, 1462, 1464, 1465, 1466, 1490, 1500, 1559, 1562, 1606, 1621, 1622, 1624, 1625, 1703, 1704, 1708, 1711, 1712, 1713, 1714, 1715, 1716, 1718, 1789, 1796, 1884, 1894, 1895, 1896, 1901, 2013,

DEPOSITION_INORGANICS (continued)	2238, 2289, 2290, 2296, 2298, 2329, 2352, 2354, 2355, 2356
DEPOSITION_METALS (includes trace metals)	16, 33, 69, 149, 180, 360, 386, 425, 583, 587, 588, 589, 590, 591, 592, 593, 596, 644, 646, 707, 708, 709, 710, 798, 815, 827, 828, 877, 903, 967, 1027, 1103, 1137, 1221, 1222, 1223, 1242, 1290, 1334, 1336, 1418, 1490, 1500, 1606, 1621, 1624, 1625, 1712, 1713, 1714, 1715, 1716, 1718, 1789, 1884, 1894, 1895, 1896, 1901, 2013, 2238, 2289, 2290, 2296, 2298, 2329, 2354, 2355, 2356
DEPOSITION_MODEL (S: modeT_deposition)	
DEPOSITION_NUTRIENTS	63, 180, 710, 1027, 1029, 1210, 1426, 1431, 1462, 1464, 1465, 1466, 1562, 1796, 2013
DEPOSITION_ORGANIC CARBON	798, 1027, 1221, 1654
DEPOSITION_ORGANICS	635, 710, 967, 1027, 1029, 1222, 1426, 1625, 2352
DEPOSITION_PCBS (S: PCBs_deposition)	
DEPOSITION_PHOSPHORUS (S: phosphorus_deposition)	
DEPOSITION_RADIONUCLIDES	16, 63, 583, 587, 588, 589, 590, 591, 593, 596, 644, 827, 828, 1103, 1223, 1311, 1334, 1336, 1490, 1621, 1622, 1624, 1625, 1703, 1708, 1711, 1713, 1714, 1715, 1716, 2289, 2290, 2296, 2298
DEPOSITION_SEDIMENTS (S: sediments_deposition)	
DETRITUS (SA: organic matter) (SA: particles)	1342, 1655, 1729, 1732, 1824, 2286, 2289
DIACYCLOPS	2083
DIAGENESIS (SA: geochemistry) (SA: sediments)	588, 1027, 1709, 1773
DIAPHANOSOMA	2283, 2312
DIAPTOMUS	89, 107, 152, 451, 701, 704, 801, 900, 909, 1325, 1369, 1427, 1722, 1776, 1837, 2044, 2231, 2312

DIATOMS (SA: specific species)	65,	92,	105,	115,	124,
	174,	184,	196,	308,	332,
	375,	417,	431,	465,	467,
	468,	629,	641,	694,	714,
	719,	871,	910,	911,	912,
	913,	947,	974,	994,	1315,
	1316,	1320,	1325,	1340,	1350,
	1390,	1401,	1459,	1559,	1560,
	1561,	1562,	1563,	1584,	1672,
	1717,	1720,	1733,	1743,	1826,
	1833,	1834,	1837,	1839,	1840,
	1841,	1843,	1844,	1878,	1936,
	2011,	2012,	2014,	2015,	2016,
	2017,	2018,	2019,	2020,	2021,
	2043,	2055,	2167,	2189,	2219,
	2231,	2250,	2251,	2252,	2253,
	2257,	2270,	2276,	2341,	2343,
	2344,	2424			
DIELDRIN	66,	67,	93,	627,	635,
(SA: organochlorine pesticides)	837,	863,	967,	972,	974,
	1026,	1027,	1039,	1057,	1089,
	1142,	1143,	1179,	1219,	1276,
	1277,	1345,	1351,	1484,	1487,
	1625,	1630,	1672,	1691,	1825,
	1826,	1828,	1829,	2205,	2262,
	2337,	2338			
DIFFUSION	11,	12,	447,	449,	630,
(SA: model_diffusion)	678,	722,	831,	832,	936,
	937,	1285,	1287,	1432,	1433,
	1502,	1533,	1534,	1535,	1555,
	1936,	2164,	2172		
DIFFUSIVITY	11,	12,	78,	935,	937,
	1233,	1502,	1512,	1533,	1534,
	1535,	1582,	1635,	1811,	2402,
	2434				
DINOFLAGELLATES (SA: flagellates)	375,	629,	974,	1459,	2015,
(SA: phytoflagellates)	2016				
DIPTERA (SA: chironomids and	24,	967,	974,	977,	980,
other species)	1350,	1381,	1449,	1452,	1585,
	1588,	1826,	2189,	2307,	2420
DIRECTORY	145,	249,	1027,	1153	
DISCHARGE (SA: effluent)					
DISCHARGE_GROUNDWATER	69,	204,	517,	967,	1050,
	1372,	1800			
DISCHARGE_HARBORS	110,	113,	972,	1106,	1827,
	1936,	2154b,	2187,	2190	
DISCHARGE_HYDROCARBONS	800,	968,	972,	974,	979,
(not chlorinated)	984,	1108,	1211,	1354,	1558,
	1936,	2189,	2190,	2354	

DISCHARGE_INORGANICS	11,	12,	64,	69,	110,
(SA: inorganics_loading)	113,	114,	138,	181,	245,
	309,	312,	315,	386,	407,
	431,	434,	577,	711,	800,
	807,	931,	967,	968,	972,
	973,	974,	979,	984,	1007,
	1014,	1037,	1040,	1057,	1059,
	1106,	1108,	1127,	1128,	1183,
	1210,	1211,	1236,	1401,	1445,
	1449,	1462,	1492,	1493,	1524,
	1546,	1558,	1580,	1622,	1624,
	1704,	1774,	1795,	1796,	1797,
	1826,	1827,	1828,	1833,	1839,
	1866,	1867,	1936,	1956,	1977,
	2155,	2160,	2175,	2186,	2187,
	2189,	2190,	2192,	2195,	2197,
	2198,	2207,	2208,	2209,	2210,
	2211,	2212,	2231,	2238,	2254,
	2289,	2333,	2352,	2354,	2385,
	2400,	2421			
DISCHARGE_LAKE OUTLETS	290,	293			
DISCHARGE_METALS (S: metals_discharge)					
DISCHARGE_NUTRIENTS	110,	113,	181,	245,	312,
	431,	434,	577,	711,	931,
	973,	974,	979,	984,	1014,
	1037,	1040,	1057,	1059,	1183,
	1210,	1211,	1236,	1462,	1524,
	1558,	1580,	1795,	1796,	1797,
	1826,	1827,	1828,	1833,	1839,
	1936,	1956,	1977,	2155,	2160,
	2175,	2186,	2187,	2189,	2192,
	2197,	2198,	2207,	2208,	2209,
	2210,	2211,	2212,	2254,	2333,
	2385,	2400,	2421		
DISCHARGE_ORGANICS	114,	577,	800,	967,	968,
(SA: organics_loading)	972,	973,	974,	979,	1037,
	1040,	1057,	1059,	1108,	1211,
	1558,	1826,	1827,	1828,	1936,
	2160,	2175,	2186,	2187,	2189,
	2190,	2192,	2195,	2197,	2198,
	2207,	2208,	2209,	2210,	2211,
	2212,	2260,	2264,	2352	
DISCHARGE_PCBS	967,	974,	1037,	1040,	1057,
(SA: PCBs_loading)	1558,	1826,	1827,	1828,	2260,
	2264				
DISCHARGE_PHOSPHORUS					
(S: phosphorus_discharge)					
DISCHARGE_POLLUTION	11,	12,	48,	49,	51,
(SA: discharge_water quality)	64,	79,	80,	110,	113,
	114,	118,	134,	135,	136,
	164,	167,	168,	169,	181,

DISCHARGE_POLLUTION (continued) 195, 245, 266, 305, 309,
 312, 313, 314, 315, 317,
 318, 337, 342, 384, 386,
 406, 407, 408, 411, 431,
 434, 455, 528, 575, 576,
 577, 602, 605, 652, 678,
 681, 683, 684, 692, 711,
 800, 807, 905, 906, 931,
 967, 968, 972, 973, 974,
 975, 979, 984, 989, 990,
 1000, 1007, 1008, 1009, 1014,
 1020, 1021, 1022, 1023, 1037,
 1040, 1057, 1059, 1080, 1091,
 1106, 1108, 1149, 1152, 1164,
 1182, 1183, 1210, 1211, 1216,
 1246, 1248, 1249, 1329, 1349,
 1354, 1391, 1401, 1442, 1445,
 1449, 1462, 1493, 1524, 1544,
 1555, 1556, 1558, 1570, 1571,
 1578, 1580, 1582, 1634, 1635,
 1636, 1637, 1658, 1659, 1660,
 1674, 1676, 1704, 1746, 1747,
 1749, 1752, 1753, 1754, 1755,
 1795, 1796, 1797, 1804, 1827,
 1828, 1866, 1867, 1869, 1870,
 1931, 1936, 1937, 1938, 1955,
 1956, 1961, 1964, 1965, 1967,
 1971, 1972, 1974, 1975, 2037,
 2056, 2066, 2077, 2090, 2123,
 2126, 2127, 2128, 2129, 2130,
 2131, 2133, 2136, 2137, 2154,
 2155, 2160, 2175, 2186, 2187,
 2189, 2190, 2192, 2195, 2197,
 2198, 2200, 2203, 2207, 2208,
 2209, 2210, 2211, 2212, 2231,
 2238, 2254, 2260, 2264, 2333,
 2352, 2354, 2379, 2383, 2384,
 2385, 2394, 2395, 2400, 2417,
 2421

DISCHARGE_POWER PLANTS
 (S: power plants_discharge)

DISCHARGE_RADIOACTIVITY 51, 408, 972, 989, 1007,
 1020, 1037, 1040, 1127, 1149,
 1544, 1546, 1558, 1704, 2190

DISCHARGE_RADIONUCLIDES 64, 407, 807, 972, 974,
 1127, 1128, 1445, 1449, 1492,
 1493, 1546, 1622, 1624, 1827,
 1828, 1866, 1867, 1956, 2289

DISCHARGE_SEWAGE 48, 49, 973, 984, 1210,
 1462, 1558, 1869, 1870, 1936,
 1938, 2123, 2126, 2127, 2195

DISCHARGE_THERMAL_POLLUTION	51,	64,	79,	80,	110,
(SA: temperature)	118,	119,	126,	127,	134,
(SA: thermal_plume)	135,	136,	164,	167,	168,
(SA: thermal_pollution)	169,	181,	195,	266,	312,
	313,	314,	315,	317,	318,
	342,	384,	406,	407,	408,
	411,	431,	455,	528,	575,
	576,	602,	605,	652,	678,
	681,	683,	684,	692,	807,
	905,	906,	984,	989,	990,
	1000,	1008,	1009,	1014,	1020,
	1021,	1022,	1023,	1037,	1091,
	1149,	1150,	1152,	1164,	1182,
	1211,	1216,	1246,	1248,	1249,
	1329,	1442,	1449,	1544,	1555,
	1556,	1558,	1570,	1571,	1578,
	1582,	1634,	1635,	1636,	1637,
	1658,	1659,	1660,	1676,	1746,
	1747,	1749,	1752,	1753,	1754,
	1755,	1804,	1827,	1931,	1936,
	1955,	1956,	1961,	1964,	1965,
	1967,	1971,	1972,	1974,	1975,
	2056,	2066,	2077,	2090,	2186,
	2190,	2192,	2197,	2198,	2200,
	2203,	2207,	2208,	2209,	2210,
	2211,	2212,	2231,	2333,	2385,
	2394,	2395,	2400,	2417,	2421
DISCHARGE_TRIBUTARIES					
(S: tributaries_discharge)					
DISCHARGE_WASTE	48,	69,	245,	305,	337,
	342,	528,	652,	692,	711,
	800,	807,	972,	975,	1037,
	1059,	1164,	1210,	1216,	1236,
	1391,	1462,	1558,	1866,	1867,
	1870,	1938,	1975,	2037,	2123,
	2126,	2160,	2175,	2186,	2190,
	2192,	2197,	2198,	2207,	2208,
	2209,	2210,	2211,	2212,	2264
	2379				
DISCHARGE_WASTEWATER	386,	1040,	1449,	1869,	2037,
	2123,	2126,	2127,	2128,	2129,
	2130,	2131,	2133,	2136,	2137,
	2154				
DISCHARGE_WATER_BUDGET (S: water budget)					
DISCHARGE_WATER_QUALITY	11,	48,	49,	51,	64,
(SA: discharge_pollution)	69,	110,	114,	118,	119,
	126,	127,	163,	164,	167,
	181,	245,	266,	305,	309,
	313,	315,	337,	386,	407,
	408,	434,	455,	528,	711,
	800,	931,	967,	968,	972,
	973,	974,	975,	979,	984,

DISCHARGE_WATER QUALITY	1000, 1009, 1014, 1020, 1021,
(continued)	1022, 1023, 1037, 1040, 1057,
	1059, 1080, 1087, 1106, 1108,
	1183, 1210, 1211, 1216, 1236,
	1349, 1391, 1401, 1524, 1544,
	1558, 1580, 1795, 1796, 1797,
	1826, 1827, 1828, 1833, 1867,
	1869, 1870, 1936, 1937, 1938,
	1977, 2037, 2123, 2126, 2127,
	2128, 2129, 2130, 2131, 2133,
	2136, 2137, 2154, 2155, 2160,
	2175, 2186, 2187, 2189, 2190,
	2192, 2195, 2197, 2198, 2207,
	2208, 2209, 2210, 2211, 2212,
	2231, 2238, 2254, 2260, 2264,
	2333, 2352, 2379, 2383, 2384,
	2385, 2400
DISCHARGE_WATER SUPPLY	204, 513, 523, 967, 968,
	972, 974, 979, 984, 1087,
	1106, 1216, 1372, 1766, 1827,
	1828, 2133, 2190, 2220
DISPERSION_ATMOSPHERIC_POLLUTION	342, 884, 1201, 1286, 1287,
	1290, 1294, 1540
DISPERSION_CIRCULATION	11, 21, 78, 81, 449,
	680, 682, 1105, 1106, 1149,
	1169, 1232, 1294, 1329, 1354,
	1401, 1533, 1534, 1634, 1635,
	1637, 1804, 1811, 1898, 2078,
	2172, 2269, 2434
DISPERSION_CURRENTS	21, 78, 167, 198, 449,
	680, 682, 906, 909, 937,
	993, 1105, 1106, 1149, 1152,
	1169, 1232, 1314, 1354, 1535,
	1635, 1636, 1748, 1804, 1811,
	1868, 1936, 1937, 2078, 2172,
	2219, 2269, 2402, 2434
DISPERSION_EFFLUENT	
(S: effluent_dispersiion)	
DISPERSION_FISH	62, 167, 905, 909, 1493,
	2219
DISPERSION_HYDROCARBONS	1354, 1936
(not chlorinated)	
DISPERSION_INORGANICS	11, 62, 1105, 1106, 1201,
	1286, 1290, 1401, 1493, 1868,
	1894, 1936, 2219, 2296
DISPERSION_MODEL (S: model_dispersiion)	
DISPERSION_ORGANICS	62, 1936
DISPERSION_POLLUTION	
(S: pollution_dispersiion)	

DISPERSION_RADIONUCLIDES	62, 1493, 2296
DISPERSION_SEDIMENTS	78, 1149, 1150, 1152, 1401, 1936, 2296
DISPERSION_THERMAL_POLLUTION	62, 80, 81, 167, 342, 575, 576, 680, 682, 905, 906, 956, 993, 1149, 1152, 1169, 1314, 1329, 1556, 1634, 1635, 1636, 1637, 1748, 1804, 1811, 1821, 1823, 1898, 1936, 2056, 2077, 2078, 2203, 2219, 2417, 2434
DISSOLVED OXYGEN (SA: oxygen)	66, 91, 92, 113, 120, 124, 152, 167, 172, 174, 175, 189, 208, 310, 427, 431, 434, 468, 616, 631, 650, 702, 724, 765, 835, 933, 934, 958, 967, 972, 974, 994, 995, 996, 999, 1011, 1012, 1014, 1030, 1037, 1038, 1039, 1057, 1058, 1104, 1144, 1175, 1183, 1212, 1325, 1401, 1558, 1580, 1645, 1705, 1706, 1795, 1826, 1827, 1828, 1833, 1834, 1837, 1936, 1982, 2085, 2095, 2135, 2165, 2175, 2187, 2189, 2190, 2195, 2201, 2231, 2258a, 2275, 2333, 2364, 2376, 2377, 2379, 2400
DISSOLVED SOLIDS	7, 97, 100, 102, 120, 124, 152, 154, 174, 175, 176, 178, 189, 309, 765, 826, 954, 958, 967, 969, 971, 974, 987, 988, 995, 999, 1039, 1057, 1104, 1111, 1175, 1250, 1362, 1411, 1426, 1553, 1558, 1569, 1580, 1618, 1647, 1705, 1706, 1718, 1729, 1767, 1795, 1826, 1827, 1828, 1829, 1936, 1982, 2085, 2095, 2135, 2160, 2165, 2170, 2187, 2195, 2204, 2231, 2238, 2258a, 2272, 2309, 2364, 2366
DIVERSION (SA: history_diversion)	4, 5, 6, 131, 188, 288, 321, 338, 364, 368, 513, 514, 515, 523, 577, 613, 614, 632, 645, 689, 744, 758, 767, 841, 986, 1041, 1046, 1049, 1050, 1051, 1052, 1112, 1113, 1131, 1132, 1174, 1198, 1216, 1324, 1351, 1364, 1413, 1583, 1666, 1721,

DIVERSION (continued)	1800, 1801, 1918, 2123, 2157, 2159, 2190, 2271, 2327, 2440
DOLOMITE	204, 325, 798, 967, 1160, 1191, 1244, 1262, 1890, 1917, 2074
DOWNWELLING	1213, 1443, 1803, 1810
DRAINAGE (SA: runoff)	11, 208, 523, 568, 645, 672, 987, 988, 1497, 1767, 1953, 2361, 2368, 2435
DRAINAGE BASIN (SA: watershed)	166, 252, 291, 361, 531, 710, 739, 746, 753, 759, 765, 1110, 1260, 1330, 1339, 1371, 1372, 1393, 1458, 1593, 1595, 1656, 1718, 1997, 1998, 2238, 2241a, 2241b, 2302, 2360
DREDGING	40, 48, 56, 78, 208, 293, 551, 577, 635, 702, 703, 744, 748, 826, 972, 974, 984, 1027, 1037, 1038, 1039, 1045, 1049, 1050, 1051, 1052, 1058, 1074, 1122, 1165, 1174, 1347, 1389, 1391, 1436, 1558, 1679, 1695, 1865b, 1936, 2093, 2094, 2095, 2096, 2120, 2135, 2140, 2142, 2143, 2170, 2175, 2189, 2190
DRY DEPOSITION	69, 386, 635, 707, 708, 710, 1290, 1294, 1297, 1334, 1714, 1894, 1895, 1896, 1903, 2329, 2355, 2356
DUCKS (SA: birds)	627, 633, 1484, 1602, 1603, 1604, 1740
DUNES (S: sand dunes)	
ECONOMICS	77, 140, 143, 144, 160, (SA: socio-economics) 187, 188, 224, 235, 242, (SA: management_economics) 253, 254, 255, 272, 273, (SA: research_needs_economics) 310, 322, 323, 326, 347, 440, 461, 468, 511, 513, 514, 516, 534, 535, 536, 537, 544, 545, 549, 635, 654, 689, 727, 732, 736, 740, 743, 749, 750, 754, 755, 763, 764, 766, 767, 770, 771, 772, 773, 774, 775, 790, 826, 842, 846, 847, 895, 903, 917, 940, 963, 965, 985, 1027, 1041, 1042, 1044, 1045, 1046, 1047, 1048, 1050, 1051, 1052, 1063, 1066, 1070, 1100, 1113, 1132,

ECONOMICS (continued)	1151, 1165, 1196, 1216, 1247, 1302, 1303, 1324, 1328, 1332, 1347, 1348, 1375, 1379, 1380, 1403, 1418, 1419, 1457, 1488, 1495, 1501, 1525, 1548, 1583, 1620, 1629, 1631, 1671, 1687, 1688, 1689, 1845, 1846, 1847, 1848, 1849, 1850, 1852, 1853, 1855, 1858, 1885, 1889, 1907, 1908, 1909, 1910, 1913, 1914, 1916, 1919, 1928, 1929, 1949, 1950, 1972, 1982, 1998, 2022, 2024, 2025, 2047, 2048, 2049, 2051, 2052, 2100, 2110, 2111, 2112, 2116, 2117, 2118, 2124, 2127, 2129, 2130, 2131, 2139b, 2153, 2154b, 2157, 2180, 2199, 2216, 2228, 2230, 2232, 2233, 2234, 2236, 2304, 2326, 2411, 2443
EFFLUENT (SA: discharge)	
EFFLUENT_CURRENTS	64, 446, 679, 680, 967, 979, 984, 1106, 1169, 1349, 1354, 1558, 1635, 1636, 1828, 1936, 1937, 2078, 2190, 2402, 2422, 2434
EFFLUENT_DISPERSION	62, 680, 905, 1106, 1169, 1354, 1556, 1634, 1635, 1636, 1637, 1821, 1936, 1937, 2056, 2078, 2203, 2402, 2434
EFFLUENT HYDROCARBONS	968, 974, 979, 984, 1038, (not chlorinated) 1090, 1108, 1175, 1354, 1558, 1936, 2190
EFFLUENT_INORGANICS	9, 62, 64, 113, 185, 245, 312, 407, 434, 474, 644, 685, 711, 931, 962a, 967, 968, 974, 979, 984, 1038, 1040, 1106, 1108, 1175, 1183, 1235, 1334, 1340, 1449, 1558, 1645, 1718, 1796, 1797, 1828, 1866, 1867, 1935, 1936, 1956, 1957, 2155, 2190, 2221, 2250, 2333, 2421, 2422
EFFLUENT_ORGANICS	62, 878, 962a, 967, 968, 974, 979, 1038, 1040, 1108, 1175, 1558, 1825, 1828, 1935, 1936, 2190, 2263
EFFLUENT_POWER PLANTS (S: power plants_effluent)	
EFFLUENT_RADIOACTIVITY	408, 644, 685, 989, 1040, 1175, 1558, 2190

EFFLUENT_RADIONUCLIDES
(S: radionuclides_effluent)

EFFLUENT_WASTE 185, 245, 305, 528, 692a,
711, 737, 1164, 1175, 1235,
1340, 1558, 1866, 1867, 1935,
1938, 1975, 2037, 2078, 2126,
2190, 2379

EFFLUENT_WASTEWATER 474, 878, 1040, 1449, 1821,
2037, 2126, 2128, 2129, 2130,
2136, 2137

EGRETS 627

EH (S: redox)

EMERALD SHINER (SA: shiner) 155, 598, 727, 916, 1098,
2323

ENDRIN (SA: organochlorine pesticides).. 67, 967, 974, 1026, 1179,
1089, 1230, 1231, 1484, 1825

ENGINEERING 45, 52, 61, 64, 76,
158, 165, 203, 224, 253,
254, 255, 256, 259, 374,
378, 403, 405, 406, 413,
414, 415, 416, 429, 437,
457, 480, 493, 494, 496,
510, 516, 551, 552, 554,
566, 567, 568, 569, 570,
582, 614, 647, 669, 670,
711, 728, 734, 816, 842,
869, 903, 1044, 1075, 1101,
1134, 1152, 1165, 1171, 1180,
1191, 1328, 1355, 1364, 1391,
1395, 1413, 1436, 1460, 1461,
1495, 1521, 1525, 1547, 1583,
1701, 1783, 1818, 2059, 2099,
2100, 2102, 2105, 2118, 2122,
2123, 2125, 2126, 2127, 2128,
2129, 2130, 2131, 2132, 2133,
2135, 2136, 2137, 2138, 2141,
2143, 2190, 2228, 2229, 2232,
2325, 2380, 2381, 2408, 2409,
2411, 2441, 2444

ENTRAINMENT (SA: impingement)

ENTRAINMENT_BENTHIC_INVERTEBRATES 1024, 1383, 1447, 1448, 1537,
1956

ENTRAINMENT_FISH 369, 370, 385, 413, 414,
415, 416, 431, 545, 553,
602, 1024, 1095, 1096, 1098,
1133, 1170, 1176, 1248, 1249,
1309, 1310, 1383, 1396, 1455,
1470, 1471, 1472, 1549, 1956,
2051, 2062, 2152, 2219, 2300

ENTRAINMENT_PHYTOPLANKTON	181,	431,	1024,	1383,	1956,
	2219				
ENTRAINMENT_ZOOPLANKTON	181,	431,	801,	1024,	1383,
	1956,	2003			
EPHEMEROPTERA	155,	178,	468,	967,	980,
	1401,	1585,	1588,	2189	
EPILIMNION (SA: stratification)	16,	17,	445		
EPISCHURA	107,	704,	1722,	2312	
EQUALITY FORMATION	798,	1243,	1245		
ERGASILUS	311				
EROSION	28,	29,	50,	58,	71,
(SA: beaches_erosion)	72,	73,	74,	75,	130,
(SA: bluffs_erosion)	203,	253,	254,	255,	256,
(SA: history_erosion)	257,	258,	259,	292,	295,
(SA: lake levels_erosion)	339,	363,	372,	373,	374,
(SA: model_erosion)	399,	401,	402,	403,	404,
(SA: monitoring_erosion)	436,	452,	457,	480,	486,
(SA: shoreline_erosion)	487,	489,	490,	491,	492,
	493,	494,	495,	496,	497,
	498,	501,	502,	503,	504,
	505,	506,	507,	508,	509,
	510,	515,	523,	556,	557,
	558,	566,	567,	568,	569,
	573,	574,	587,	597,	635,
	647,	660,	662,	663,	664,
	665,	669,	670,	672,	728,
	734,	736,	737,	742,	744,
	745,	748,	753,	755,	761,
	762,	763,	766,	774,	775,
	809,	811,	816,	821,	822,
	823,	824,	843,	844,	848,
	869,	881,	882,	890,	892,
	895,	917,	920,	958,	959,
	960,	962a,	963,	965,	966b,
	967,	968,	982,	983,	985,
	1027,	1039,	1040,	1042,	1045,
	1050,	1053,	1054,	1055,	1056,
	1057,	1075,	1149,	1150,	1151,
	1152,	1180,	1185,	1186,	1192,
	1205,	1209,	1215,	1227a,	1238,
	1241,	1326,	1328,	1361,	1394,
	1395,	1410,	1436,	1485,	1486,
	1515,	1529,	1557,	1558,	1608,
	1609,	1615,	1616,	1617,	1619,
	1632,	1656,	1663,	1716,	1783,
	1816,	1827,	1874,	1875,	1876,
	1880,	1882,	1917,	1936,	1940,
	1947,	2054,	2097,	2098,	2099,
	2100,	2101,	2102,	2103,	2104,
	2105,	2115,	2116,	2117,	2118,
	2121,	2122,	2125,	2134,	2138,

EROSION (continued)	2139a, 2141, 2144, 2145, 2146, 2147, 2152, 2205, 2235, 2237, 2239, 2240, 2272, 2277, 2325, 2326, 2371, 2374, 2380, 2381, 2406, 2407, 2408, 2409, 2410, 2441, 2443, 2444
ESCHERICHIA COLI (S: bacteria)	
ESTUARY (S: wetlands)	
EUBOSMINA	521, 701, 704, 1776, 2083
EUGLENOPHYTA	974, 1826, 2015
EUROPIUM	584, 594, 2086
EURYCERCUS	2080, 2307, 2420
EURYTEMORA	701, 1722
EUTROPHIC	20, 100, 124, 577, 871, (SA: trophic conditions) 1038, 1039, 1236, 1729, 2017, 2189, 2190, 2205, 2219, 2430
EUTROPHICATION	5, 9, 25, 48, 49, (SA: trophic conditions) 64, 87, 97, 100, 102, (SA: history_eutrophication) 110, 111, 145, 152, 172, (SA: pollution_eutrophication) 174, 175, 176, 178, 179, (SA: review_eutrophication) 180, 182, 184, 207, 208, (SA: summary_eutrophication) 270, 310, 312, 332, 335, 336, 347, 392, 468, 474, 534, 616, 650, 653, 677, 698, 699, 700, 702, 720, 724, 753, 765, 835, 870, 893, 910, 911, 912, 913, 931, 932, 933, 947, 958, 985, 1027, 1037, 1058, 1159, 1210, 1212, 1250, 1259, 1307, 1334, 1340, 1383, 1411, 1418, 1419, 1431, 1449, 1488, 1489, 1539, 1543, 1554, 1558, 1561, 1562, 1568, 1584, 1619, 1644, 1645, 1647, 1650, 1657, 1673, 1717, 1794, 1795, 1796, 1824, 1827, 1833, 1834, 1835, 1836, 1839, 1840, 1841, 1889, 1926, 1927, 1935, 1936, 1952, 1977, 1982, 1999, 2000, 2002, 2005, 2010, 2012, 2013, 2014, 2015, 2018, 2019, 2020, 2047, 2094, 2096, 2160, 2167, 2171, 2174, 2176, 2177, 2178, 2181, 2183, 2184, 2186, 2196, 2200, 2201, 2214, 2249, 2250, 2254, 2305, 2322, 2323, 2324, 2341, 2343, 2430, 2431
EVAPORATION (SA: water budget)	5, 11, 12, 79, 162, 188, 229, 252, 284, 288,

EVAPORATION (continued)	297,	309,	342,	355,	357,
	512,	516,	517,	523,	530b,
	652,	672,	676,	710,	744,
	762,	765,	831,	832,	1049,
	1050,	1051,	1094,	1174,	1362,
	1372,	1376,	1377,	1378,	1524,
	1594,	1610,	1666,	1674,	1939,
	2022,	2107,	2241a,	2401,	2426
EXOTICS (SA: specific fish species,	102,	172,	367,	581,	616,
e.g., alewife, sea lamprey, etc.)	699,	777,	779,	780,	781,
	782,	783,	784,	785,	786,
	787,	788,	789,	791,	792,
	924,	1099,	1199,	1259,	1267,
	1369,	1565,	1650,	1908,	1909,
	1910,	1911,	1912,	1913,	1914,
	1923,	1924,	1925,	1926,	1927,
	1928,	2190,	2322,	2323	
FATHEAD MINNOWS	392,	1098			
FATTY ACIDS	247				
FECAL PELLETS	65,	417,	641,	1338,	2289
FECUNDITY_FISH	261,	262,	365,	561,	562,
(SA: fish_reproduction)	657,	897,	922,	1516,	1984,
	1990,	1992			
FELDSPAR	799,	1160,	1891,	1905,	1917
FERROMANGANESE NODULES	324,	326,	327,	584,	594,
	815,	903,	1418,	1419,	1420,
	1500,	1769,	1771,	1772,	1773,
	1904,	1905,	1946,	2086	
FERTILIZER (SA: agriculture)	13,	68,	531,	548,	763,
	1027,	2331,	2430		
FIELD EQUIPMENT	38,	156,	216,	218,	219,
	570,	581,	726,	899,	926,
	927,	1295,	1623,	1651,	1653,
	1658,	1688,	1745,	1747,	1810,
	1811,	1940,	1945,	1946,	2295
FISH (SA: specific species)					
FISH_ABUNDANCE	32,	102,	166,	174,	197,
	233,	278,	279,	283,	347,
	365,	367,	392,	422,	427,
	462,	463,	468,	522,	551,
	555,	611,	619,	693,	698,
	699,	754,	835,	837,	874,
	876,	888,	898,	899,	900,
	904,	907,	909,	939,	994,
	1004,	1066,	1076,	1077,	1097,
	1098,	1117,	1118,	1148,	1193,
	1199,	1259,	1266,	1309,	1369,
	1388,	1449,	1501,	1565,	1566,
	1567,	1573,	1574,	1575,	1577,

FISH_ABUNDANCE (continued)	1578, 1579, 1613, 1653, 1661, 1662, 1687, 1689, 1751, 1752, 1755, 1786, 1827, 1911, 1915, 1920, 1921, 1923, 1925, 1926, 1929, 1955, 1972, 1984, 1985, 1987, 1989, 1990, 1991, 2050, 2079, 2080, 2091, 2189, 2246, 2283, 2285, 2303, 2304, 2313, 2316, 2319, 2322, 2323
FISH_AGE	155, 262, 382, 383, 422, 922, 1004, 1016, 1453, 1454, 1516, 1538, 1573, 1575, 1577, 1613, 1734, 1735, 1988, 2246
FISH_BEHAVIOR	166, 391, 631, 693, 754, 836, 1147, 1352, 1552, 1585, 1588, 1613, 1658, 1659, 1660, 1661, 1698, 1751, 1752, 1753, 1754, 1755, 1861, 1911, 1921, 1923, 1925, 1926, 1955, 1964, 1971, 1986, 2048, 2279, 2286, 2289
FISH_BIOACCUMULATION	93, 95, 106, 427, 428, (SA: fish_uptake) 586, 643, 685, 786, 835, 862, 863, 879, 885, 886, 887, 951, 1039, 1083, 1089, 1140, 1141, 1142, 1143, 1178, 1179, 1217, 1269, 1308, 1338, 1351, 1487, 1491, 1492, 1591, 1630, 1690, 1691, 1692, 1825, 1826, 1827, 1957, 1958, 1959, 1960, 1968, 2065, 2190, 2205, 2259, 2262, 2265, 2286, 2289, 2301, 2310, 2338, 2424
FISH_BIOENERGETICS	212, 656
FISH_BIOMASS	422, 1369, 1576, 1579, 1833, 1921, 1926, 1963
FISH_DEPTH	32, 631, 1309, 1680, 1689, 1743, 1830, 2313, 2314
FISH_DIET	93, 155, 209, 223, 238, 261, 331, 332, 365, 382, 383, 391, 461, 546, 598, 603, 617, 656, 685, 834, 887, 896, 900, 902, 909, 967, 1004, 1026, 1039, 1072, 1073, 1089, 1141, 1237, 1272, 1275, 1308, 1309, 1310, 1320, 1353, 1409, 1427, 1449, 1455, 1519, 1526, 1585, 1588, 1661, 1680, 1692, 1698, 1699, 1700, 1743, 1830, 1930, 1957, 1971, 2050, 2061, 2065, 2219, 2261,

FISH_DIET (continued)	2274,	2279,	2281,	2283,	2307,
	2316,	2320,	2415,	2419,	2420,
	2424				
FISH_DISEASE	280,	916,	1012,	1550,	2050
FISH_DISPERSION (S: dispersion_fish)					
FISH_DISTRIBUTION	32,	65,	95,	116,	117,
	163,	166,	174,	239,	250,
	279,	281,	282,	283,	365,
	367,	382,	383,	391,	422,
	427,	428,	461,	462,	463,
	522,	555,	611,	617,	619,
	631,	691,	693,	698,	699,
	726,	754,	765,	824,	825,
	835,	836,	837,	874,	876,
	888,	899,	900,	904,	909,
	939,	977,	994,	1004,	1016,
	1076,	1077,	1097,	1098,	1117,
	1118,	1145,	1148,	1199,	1219,
	1259,	1266,	1310,	1322,	1369,
	1386,	1399,	1405,	1414,	1501,
	1565,	1566,	1578,	1579,	1658,
	1659,	1661,	1680,	1684,	1687,
	1689,	1743,	1746,	1750,	1751,
	1752,	1754,	1755,	1827,	1830,
	1911,	1915,	1920,	1921,	1925,
	1926,	1929,	1944,	1948,	1954,
	1955,	1959,	1961,	1962,	1965,
	1966,	1967,	1972,	1983,	1984,
	1985,	1990,	2041,	2050,	2066,
	2080,	2091,	2219,	2223,	2246,
	2279,	2280,	2283,	2284,	2285,
	2286,	2289,	2303,	2304,	2313,
	2314,	2317,	2318,	2319,	2322,
	2323,	2347,	2373,	2424	
FISH_EGGS	233,	369,	370,	379,	380,
	382,	431,	598,	600,	835,
	836,	837,	896,	1024,	1096,
	1098,	1309,	1310,	1549,	1906,
	1984,	1990,	1992,	1994,	1995,
	2219,	2282,	2420		
FISH_ENTRAINMENT (S: entrainment_fish)					
FISH_FOOD CHAIN	70,	93,	223,	238,	331,
	332,	334,	427,	428,	431,
	958,	1027,	1179,	1272,	1308,
	1320,	1338,	1352,	1369,	1661,
	1698,	1743,	1921,	1923,	1956,
	2189,	2274,	2289,	2415,	2424
FISH_GENETICS	232,	1172,	1612,	1684,	1969
FISH_GROWTH	76,	155,	261,	262,	278,
	279,	283,	331,	332,	382,
	392,	461,	519,	600,	617,

FISH_GROWTH (continued)	754, 825, 835, 836, 876, 896, 900, 904, 908, 909, 922, 1000, 1065, 1083, 1170, 1193, 1309, 1310, 1353, 1453, 1454, 1516, 1517, 1565, 1573, 1575, 1577, 1578, 1584, 1613, 1692, 1734, 1735, 1830, 1913, 1914, 1921, 1926, 1959, 1968, 1969, 1984, 1988, 1990, 1994, 1995, 2075, 2219, 2221, 2246, 2283, 2321, 2338
FISH_HABITAT	32, 166, 188, 431, 440, 461, 555, 631, 693, 754, 874, 909, 976, 977, 1042, 1045, 1138, 1586, 1587, 1589, 1590, 1658, 1661, 1743, 1751, 1753, 1907, 1908, 1909, 1910, 1913, 1914, 1972, 1985, 2138, 2221, 2283, 2323, 2370
FISH_HARVEST (SA: commercial fishing)...	693, 1388, 1787
FISH_HISTORY (S: history_fisheries)	
FISH_HOMING	424, 1587, 1860, 1861
FISH_IMPRINTING	423, 424, 1859, 1860, 1861
FISH_LARVAL	209, 211, 233, 279, 369, 370, 382, 384, 553, 600, 824, 876, 896, 900, 901, 902, 905, 909, 924, 1096, 1098, 1122, 1309, 1310, 1320, 1321, 1517, 1519, 1526, 1549, 1700, 1861, 1906, 1915, 1983, 1993, 1994, 1995, 2061, 2219, 2282, 2283, 2307, 2313, 2317, 2318, 2338
FISH_LIFE HISTORY	279, 369, 382, 461, 693, (SA: fish_reproduction) 874, 896, 897, 900, 901, 909, 922, 1016, 1170, 1193, 1323, 1404, 1405, 1414, 1501, 1517, 1612, 1683, 1692, 1906, 1988, 1994, 1995, 2061, 2321
FISH_MANAGEMENT	59, 60, 70, 129, 140, 178, 188, 208, 235, 251, 310, 332, 366, 367, 392, 440, 458, 459, 460, 461, 480, 577, 601, 635, 734, 754, 765, 766, 774, 775, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 825, 835, 836, 837, 874, 876, 880, 888, 889, 904, 924, 958, 962a, 967,

FISH_MANAGEMENT (continued)	976, 977, 1052, 1058, 1059, 1066, 1070, 1071, 1076, 1077, 1124, 1126, 1167, 1199, 1202, 1206, 1259, 1302, 1383, 1388, 1405, 1497, 1501, 1579, 1673, 1684, 1785, 1787, 1833, 1860, 1865b, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1922, 1923, 1924, 1925, 1927, 1928, 1929, 1981, 1984, 1988, 1990, 2037, 2050, 2075, 2076, 2079, 2099, 2133, 2138, 2205, 2216, 2230, 2234, 2303, 2304, 2367, 2370
FISH_MAPPING (S: mapping_fish)	
FISH_METABOLISM	212, 248, 561, 562, 600, 656, 835, 839, 916, 1030, 1269, 1873, 1957, 1961, 1964, 1972, 1973, 1974, 1978, 1979, 2219, 2338, 2353
FISH_METALS	64, 65, 106, 174, 175, 176, 178, 189, 208, 223, 427, 428, 524, 586, 595, 644, 685, 765, 836, 862, 879, 952, 958, 962, 967, 968, 972, 973, 974, 994, 1026, 1027, 1030, 1034, 1037, 1038, 1058, 1140, 1141, 1145, 1178, 1250, 1269, 1336, 1338, 1491, 1493, 1584, 1826, 1827, 1828, 1829, 1833, 1872, 1957, 1958, 1959, 1968, 1979, 2065, 2221, 2231, 2286, 2289, 2301, 2385, 2400, 2424
FISH_MIGRATION	307, 382, 561, 562, 904, 1167, 1585, 1588, 1658, 1659, 1660, 1743, 1744, 1749, 1750, 1753, 1754, 1755, 1860, 1954, 1955, 1988, 2219, 2281
FISH_MODEL (S: model_fish)	
FISH_MONITORING	62, 106, 116, 117, 163, 189, 277, 313, 315, 369, 370, 382, 383, 384, 441, 462, 463, 464, 524, 581, 644, 685, 835, 836, 837, 862, 863, 947, 967, 968, 972, 973, 979, 994, 999, 1004, 1016, 1026, 1038, 1039, 1067, 1097, 1098, 1117, 1118, 1125, 1133, 1142, 1179, 1336, 1386, 1414, 1455, 1469, 1471,
(SA: creel census)	

FISH_MONITORING (continued)	1528, 1549, 1551, 1572, 1573, 1574, 1575, 1577, 1585, 1658, 1687, 1688, 1689, 1744, 1749, 1750, 1754, 1826, 1827, 1828, 1829, 1886, 1954, 1960, 1962, 1966, 1967, 1970, 1973, 1974, 2050, 2066, 2090, 2234, 2385, 2400
FISH_MORPHOLOGY	232, 908, 1321, 1322, 1405, 1519, 1968, 2091
FISH_MORTALITY	76, 93, 195, 238, 276, (SA: fish_survival) 279, 306, 341, 365, 366, 379, 380, 391, 422, 431, 461, 522, 600, 602, 619, 631, 651, 835, 897, 916, 924, 1000, 1012, 1024, 1083, 1089, 1099, 1133, 1142, 1179, 1193, 1228, 1272, 1275, 1308, 1309, 1310, 1409, 1471, 1526, 1552, 1578, 1591, 1662, 1690, 1873, 1886, 1907, 1908, 1909, 1910, 1911, 1921, 1963, 1972, 1978, 1990, 1993, 1994, 1995, 2051, 2079, 2219, 2265, 2282, 2300, 2321, 2366
FISH_MOVEMENT	441, 581, 825, 909, 979, 1167, 1193, 1414, 1689, 1744, 1749, 1750, 1754, 1954, 1955, 2189, 2313
FISH_ORGANICS	59, 60, 62, 67, 93, (SA: toxics_fish) 95, 106, 189, 208, 223, 310, 471, 522, 524, 577, 635, 643, 754, 765, 786, 835, 836, 837, 863, 885, 886, 887, 924, 951, 952, 958, 962, 967, 968, 972, 973, 974, 979, 1026, 1027, 1030, 1037, 1038, 1039, 1058, 1059, 1061, 1083, 1089, 1099, 1122, 1139, 1142, 1143, 1179, 1217, 1219, 1237, 1272, 1308, 1351, 1487, 1591, 1630, 1672, 1673, 1690, 1691, 1692, 1693, 1825, 1826, 1827, 1828, 1829, 1930, 2050, 2189, 2190, 2205, 2259, 2261, 2262, 2265, 2310, 2323, 2336, 2337, 2338, 2416
FISH_PARASITES (SA: sea lamprey	311, 392, 461, 803, 804, which are not included here) 1309, 1310, 1538
FISH_PHYSIOLOGY	60, 65, 93, 166, 209, 212, 232, 248, 276, 280, 283, 306, 307, 391, 423,

FISH_PHYSIOLOGY (continued) 424, 427, 519, 561, 562,
599, 600, 604, 651, 804,
836, 837, 839, 863, 901,
908, 916, 1012, 1026, 1039,
1061, 1065, 1116, 1140, 1141,
1142, 1228, 1237, 1269, 1308,
1323, 1409, 1414, 1517, 1552,
1578, 1585, 1613, 1658, 1659,
1690, 1693, 1745, 1747, 1753,
1826, 1827, 1828, 1859, 1860,
1873, 1906, 1907, 1908, 1909,
1910, 1913, 1914, 1957, 1961,
1964, 1968, 1969, 1970, 1971,
1973, 1978, 1979, 1981, 1986,
1992, 2048, 2065, 2069, 2070,
2190, 2219, 2236, 2261, 2262,
2432

FISH_POPULATIONS (SA: fisheries) 65, 116, 117, 184, 273,
277, 278, 279, 281, 282,
283, 365, 382, 383, 385,
427, 438, 441, 458, 459,
460, 461, 462, 463, 464,
522, 601, 611, 616, 619,
726, 777, 778, 824, 825,
835, 836, 874, 898, 899,
904, 907, 1016, 1066, 1068,
1069, 1073, 1076, 1096, 1097,
1098, 1117, 1118, 1124, 1125,
1148, 1170, 1199, 1258, 1266,
1275, 1352, 1369, 1386, 1399,
1417, 1454, 1469, 1471, 1501,
1545, 1566, 1567, 1570, 1571,
1572, 1573, 1576, 1601, 1613,
1662, 1676, 1683, 1689, 1702,
1734, 1735, 1743, 1744, 1750,
1754, 1786, 1787, 1790, 1886,
1911, 1912, 1915, 1920, 1922,
1923, 1926, 1954, 1963, 1970,
1984, 2051, 2052, 2080, 2216,
2282, 2303, 2304, 2316, 2347,
2367

FISH_POWER PLANT EFFECTS

(S: power plants, effects on fish)
(S: fish_thermal_pollution)
(S: entrainment fish)
(S: impingement)

FISH_PREDATION 331, 332, 365, 367, 431,
(SA: sea lamprey) 461, 577, 598, 617, 619,
(Some sea lamprey ones are 698, 699, 700, 777, 778,
included here) 779, 780, 781, 782, 784,
785, 786, 787, 788, 789,
791, 792, 902, 909, 916,
1072, 1076, 1147, 1199, 1308,

FISH_PREDATION (continued)	1309, 1320, 1353, 1369, 1414, 1526, 1565, 1585, 1588, 1650, 1680, 1700, 1743, 1907, 1908, 1909, 1910, 1911, 1913, 1914, 1920, 1922, 1926, 1927, 1928, 1963, 2050, 2080, 2083, 2219, 2279, 2281, 2316, 2322
FISH_PRODUCTIVITY	1454
FISH_RECRUITMENT	94, 279
FISH_REHABILITATION	577, 779, 835, 1922, 1924, (SA: lake trout_rehabilitation) 1925, 1927, 1928
FISH_REPRODUCTION	59, 93, 94, 261, 262, (SA: fecundity_fish) 306, 307, 365, 369, 370, (SA: fish_spawning) 379, 380, 382, 423, 424, 461, 522, 561, 562, 598, 599, 600, 604, 617, 656, 657, 754, 835, 896, 897, 905, 922, 1073, 1083, 1096, 1142, 1170, 1193, 1309, 1310, 1323, 1405, 1516, 1517, 1549, 1565, 1566, 1585, 1586, 1587, 1588, 1589, 1590, 1661, 1690, 1827, 1860, 1861, 1906, 1921, 1983, 1984, 1985, 1987, 1988, 1989, 1990, 1991, 1992, 2061, 2219, 2265, 2282, 2303, 2321, 2366, 2370, 2373
FISH_REVIEW (S: review_fish/fisheries)	
FISH_SEASONAL DISTRIBUTION	726, 1659, 1689, 2313
FISH_SEASONAL VARIATION	117, 307, 382, 967, 979, 1538, 1659, 1689, 1743, 1751, 1754, 1755, 1955, 1978
FISH_SIZE	1027, 1072, 1984, 1990, 2099, 2246
FISH_SPAWNING (SA: fish_reproduction) ..	59, 94, 279, 306, 307, 365, 379, 380, 382, 423, 424, 441, 555, 598, 656, 754, 897, 909, 922, 1045, 1309, 1310, 1585, 1586, 1587, 1588, 1589, 1590, 1860, 1861, 1921, 1983, 1985, 1987, 1988, 1989, 1990, 1991, 2219, 2279, 2281, 2303, 2321, 2370, 2373
FISH_STOCKING	635, 754, 774, 775, 786, 787, 825, 1124, 1126, 1267, 1565, 1702, 1922, 1928, 1984, 2048, 2075, 2076
FISH_STRAINS	1172
FISH_SUCCESSION	392, 1922, 1926

FISH_SUMMARY (S: summary_fish)					
FISH SURVIVAL	379,	380,	391,	600,	835,
(SA: fish_mortality)	836,	1309,	1310,	1906,	1993,
	1994,	1995,	2219,	2282	
FISH_TAXONOMY	232,	233,	1065,	2091	
FISH_TEMPERATURE	62,	65,	76,	88,	89,
(SA: fish_thermal pollution)	102,	182,	188,	189,	212,
(This includes some of those)	310,	312,	313,	315,	317,
	341,	347,	365,	379,	380,
	391,	431,	600,	631,	656,
	765,	808,	835,	897,	900,
	905,	909,	916,	952,	958,
	967,	968,	972,	973,	974,
	979,	994,	999,	1098,	1170,
	1309,	1390,	1396,	1455,	1528,
	1550,	1551,	1552,	1570,	1571,
	1572,	1574,	1659,	1660,	1673,
	1743,	1745,	1749,	1755,	1790,
	1826,	1827,	1828,	1833,	1955,
	1963,	1964,	1965,	1966,	1967,
	1969,	1970,	1971,	1972,	1973,
	1974,	1979,	2051,	2083,	2090,
	2190,	2257,	2313,	2314,	2321,
	2366,	2379,	2385,	2427	
FISH_THERMAL_POLLUTION	62,	64,	65,	76,	166,
	167,	169,	170,	195,	312,
	313,	315,	317,	382,	383,
	384,	405,	406,	411,	431,
	545,	602,	754,	765,	808,
	905,	952,	1000,	1024,	1027,
	1037,	1058,	1170,	1248,	1249,
	1309,	1351,	1383,	1396,	1449,
	1455,	1528,	1550,	1552,	1570,
	1571,	1572,	1574,	1578,	1658,
	1659,	1660,	1676,	1744,	1745,
	1746,	1747,	1749,	1750,	1751,
	1752,	1753,	1754,	1755,	1827,
	1873,	1955,	1956,	1957,	1958,
	1959,	1961,	1962,	1963,	1964,
	1965,	1966,	1967,	1968,	1969,
	1971,	1972,	1973,	1974,	1979,
	2051,	2066,	2090,	2149,	2150,
	2151,	2152,	2190,	2219,	2231,
	2322,	2323,	2366,	2385,	2400,
	2427				
FISH_TOXICS (S: toxics_fish)					
FISH_TRIBUTARIES (S: tributaries_fish)					
FISH_UPTAKE	427,	644,	685,	1142,	1308,
(SA: fish_bioaccumulation)	1492,	1493,	1691,	1956,	1957,
	1960,	1968,	2261,	2286,	2289
FISH_WATER_QUALITY (S: water_quality_fish)					

FISH_WEIGHT	279, 1004, 1454, 1973, 2246
FISH_YEAR-CLASS STRENGTH	279, 1454, 1662, 2303
FISH_YIELD	141, 142, 273, 422, 1076,
(SA: commercial fishing)	1077, 1267
(SA: fish_harvest)	
FISHERIES	140, 160, 207, 235, 273,
(SA: fish_management)	320, 366, 367, 460, 463,
(SA: fish_populations)	464, 579, 614, 617, 643,
(SA: history_fisheries)	754, 774, 775, 777, 778,
(SA: review_fish/fisheries)	779, 780, 781, 782, 785,
(SA: summary_fisheries)	787, 788, 789, 790, 791,
	792, 836, 837, 880, 889,
	898, 1076, 1126, 1267, 1399,
	1629, 1684, 1785, 2153, 2216,
	2323
FISHING (S: commercial fishing)	
(S: sport fishing)	
FLAGELLATES	994, 1340, 1584, 1843, 2250
(SA: dinoflagellates)	
(SA: phytoflagellates)	
(SA: Protozoa)	
FLATWORMS (S: Turbellaria)	
FLOODING	52, 131, 284, 368, 733,
	745, 759, 774, 775, 954,
	959, 1045, 1202, 1204, 1206,
	1395, 2116, 2117, 2127, 2133,
	2158, 2272
FLOW_GROUNDWATER	252, 288, 733, 744, 1631
FLOW_TRIBUTARIES	252, 284, 285, 288, 434,
	650, 722, 733, 744, 759,
	1052, 1631, 1666, 1905, 2220
FLUORIDE	189, 954, 967, 969, 971,
	972, 974, 980, 1025, 1159,
	1161, 1175, 1826, 1827, 1828,
	1829, 1936, 2085, 2287, 2309
FLY ASH	33, 303
FOOD CHAIN	70, 93, 148, 223, 238,
	270, 331, 332, 334, 425,
	427, 428, 431, 526, 596,
	639, 640, 958, 1027, 1179,
	1272, 1308, 1320, 1338, 1340,
	1352, 1369, 1661, 1698, 1743,
	1794, 1824, 1921, 1923, 1935,
	1956, 2044, 2189, 2274, 2289,
	2415, 2424
FORAGE BASE (SA: fish_predation)	233, 611, 836, 1310, 2281

FORESTS	207,	304,	339,	738,	745,
(SA: history_forests)	747,	749,	795,	796,	797,
	833,	1102,	1998,	2414	
FOSSIL FUEL (SA: coal)	2333				
FOSSILS	110,	220,	296,	308,	623,
	688,	1399,	1496,	1532,	1720,
	2057,	2345			
FRAGILARIA (SA: diatoms)	105,	115,	913,	994,	1315,
	1316,	1320,	1325,	1350,	1837,
	1843,	2016,	2017,	2020,	2257,
	2270,	2341			
FRESHWATER DRUM	166,	468,	1399,	1970,	2065
FROGS (SA: amphibians)	976,	1261,	1593		
FUNGI	159,	275,	696,	765,	1365,
	1743,	2068			
GABIONS (SA: coastal structures)	2115				
GALLIUM	381,	584,	594,	2086	
GAMMARUS	1381				
GAR	166,	1399			
GASTROPODA (S: snails)					
GEOCHEMISTRY	149,	324,	325,	327,	491,
(SA: inorganics; SA: metals)	580,	584,	588,	596,	648,
(SA: sediments_chemistry)	765,	798,	903,	955,	962a,
(SA: trace metals)	1027,	1168,	1222,	1227b,	1262,
	1418,	1419,	1609,	1709,	1711,
	1712,	1713,	1715,	1716,	1769,
	1770,	1771,	1772,	1773,	1789,
	1904,	2094,	2096,	2287,	2288,
	2328				
GEOGRAPHY (S: mapping)					
GEOLOGY (S: history_geology)					
(S: mapping_geology)					
(S: review_geology)					
(S: summary_geology)					
(S: specific geologic terms)					
GEOMAGNETISM (SA: magnetic data)	433				
GEOMORPHOLOGY	27,	203,	205,	259,	294,
(SA: beaches_geomorphology)	488,	491,	492,	493,	495,
(SA: lake levels_geomorphology)	496,	497,	498,	499,	501,
	502,	506,	508,	509,	527,
	563,	564,	565,	572,	573,
	621,	622,	647,	660,	662,
	663,	664,	665,	669,	723,
	728,	731,	809,	811,	820,
	821,	840,	848,	869,	881,
	882,	891,	892,	958,	1120,
	1149,	1188,	1190,	1265,	1326,

GEOMORPHOLOGY (continued)	1361, 1438, 1486, 1663, 1783, 1790, 1791, 1798, 1816, 1818, 1871, 1882, 2092, 2103, 2117, 2118, 2147, 2239, 2240, 2277, 2345, 2408, 2435
GEOMORPHOLOGY_SEASONAL VARIATION	495, 564, 565, 572, 1438, 1871
GEOPHYSICS	205, 218, 219, 831, 832, 1208, 1243, 1244, 1418, 1527, 1530, 1531, 1701, 1715, 1899, 1900, 2032, 2403, 2405, 2435
(SA: seismic)	
GIZZARD SHAD (SA: shad)	166, 382, 468, 1098, 2065, 2219
GLACIAL	66, 204, 205, 217, 264, 265, 269, 378, 387, 482, 560, 597, 621, 622, 623, 624, 625, 626, 672, 686, 687, 715, 723, 799, 809, 811, 917, 918, 919, 920, 967, 981, 1027, 1075, 1102, 1119, 1120, 1130, 1188, 1189, 1190, 1227a, 1240, 1242, 1244, 1305, 1306, 1360, 1397, 1415, 1416, 1616, 1656, 1720, 1780, 1790, 1905, 1917, 2103, 2273, 2330, 2345, 2346, 2357, 2413, 2414
(SA: sediments_glacial)	
GLENWOOD STAGE (SA: lake stages)	264, 265, 621, 622, 623, 1397
GOETHITE	715
GOLD	594, 1269, 1419
GOLDEN REDHORSE	693
GRAIN SIZE BEACHES	
(S: beaches_grain size)	
GRAIN SIZE_PARTICLES	138, 667, 718, 1342, 1608, 1894, 1904, 2095, 2297
GRAIN SIZE_SAND	96, 241, 325, 430, 484, 508, 563, 612, 667, 668, 670, 731, 882, 950, 1149, 1150, 1151, 1152, 1238, 1242, 1608, 1917, 1947, 2007, 2099, 2346
GRAIN SIZE_SEDIMENTS	92, 96, 138, 241, 325, 345, 430, 508, 563, 572, 612, 667, 668, 670, 674, 675, 729, 730, 731, 798, 799, 848, 882, 949, 950, 1027, 1149, 1150, 1151, 1152, 1195, 1238, 1242, 1342, 1357,

GRAIN SIZE_SEDIMENTS (continued)	1415, 1416, 1608, 1881, 1904, 1917, 1947, 2007, 2095, 2237, 2297
GRAVEL	205, 430, 567, 740, 882, 917, 954, 983, 1191, 1227b, 1240, 1382, 1801, 1917, 1947, 2170
GREBES (SA: birds)	627, 633
GREEN ALGAE	9, 32, 92, 152, 468,
(SA: specific species)	551, 629, 650, 696, 702, 713, 714, 719, 870, 871, 974, 994, 1234, 1235, 1236, 1340, 1390, 1400, 1459, 1488, 1489, 1492, 1584, 1743, 1826, 1843, 1889, 1897, 1935, 1936, 2015, 2016, 2047, 2063, 2189, 2190, 2231, 2250, 2254, 2257, 2276, 2286, 2289, 2424, 2436
GROINS (SA: coastal structures)	73, 203, 222b, 253, 254, 255, 256, 402, 509, 556, 558, 670, 983, 1075, 1209, 1328, 1361, 1395, 2099, 2100, 2103, 2105, 2115, 2116, 2117, 2118, 2121, 2125, 2138, 2407
GROUNDWATER	6, 66, 69, 203, 204,
(SA: aquifer)	208, 252, 288, 512, 517,
(SA: recharge)	568, 618, 663, 733, 739,
(SA: hydrology_groundwater)	744, 746, 758, 763, 765,
(SA: model_groundwater)	811, 954, 967, 985, 987,
(SA: monitoring_groundwater)	988, 1049, 1050, 1113, 1174,
(SA: pollution_groundwater)	1191, 1215, 1262, 1327, 1372,
(SA: research_needs_groundwater)	1403, 1418, 1497, 1547, 1616,
(SA: water quality_groundwater)	1631, 1767, 1768, 1799, 1800, 1801, 1855, 1856, 1890, 1902, 2092, 2102, 2115, 2271, 2272, 2302, 2331, 2435
GULLS (SA: birds)	31, 627, 633, 873, 885, 886, 887, 1073, 1114, 1115, 1270, 1272, 1273, 1274, 1275, 1276, 1277, 1412, 1600, 1831, 1893
GYPSUM	740
HAFNIUM	594
HARBORS	40, 46, 56, 86, 110,
(SA: discharge_harbors)	113, 143, 241, 244, 437,
(SA: pollution_harbors)	559, 580, 635, 648, 649,
(SA: sediments_harbors)	673, 702, 703, 748, 750,
(SA: water quality_harbors)	755, 756, 768, 819, 845, 861, 915, 953, 955, 972, 992, 1074, 1105, 1106, 1165,

HARBORS (continued)	1196, 1220, 1347, 1373, 1389, 1495, 1509, 1518, 1703, 1706, 1763b, 1812, 1813, 1827, 1850, 1935, 1936, 2093, 2094, 2095, 2096, 2108, 2113, 2119, 2124, 2135, 2139b, 2140, 2154a, 2154b, 2167, 2170, 2187, 2190, 2375
HARDNESS	1104, 2272, 2433
(SA: water_quality_monitoring)	
HEAT	76, 79, 193, 231, 287, 340, 342, 447, 470, 473, 477, 652, 676, 692, 765, 807, 958, 1092, 1164, 1213, 1383, 1434, 1438, 1503, 1510, 1511, 1618, 1634, 1635, 1640, 1898, 1939, 1975, 2042, 2078, 2219
(SA: temperature)	
(SA: thermal_pollution)	
(SA: waste_heat)	
HEAT BUDGET	79, 193, 231, 287, 340, 342, 530b, 652, 676, 692, 765, 958, 1434, 1438, 1503, 1510, 1511, 1618, 1634, 1635, 1640, 1939, 2042
(SA: temperature)	
HEMATITE	715
HEMIPTERA	1585, 1588
HEPTACHLOR	67, 863, 967, 972, 974, 1026, 1089, 1230, 1231, 1484, 1825, 1826, 1828, 1829
(SA: organochlorine_pesticides)	
HEPTACHLOR EPOXIDE	863, 967, 972, 974, 1026, 1230, 1231, 1484, 1825, 1826, 1828, 1829
(SA: organochlorine_pesticides)	
HERBICIDES (S: pesticides)	
HERRING (S: lake herring)	
HERRING GULLS (SA: birds)	31, 627, 887, 1114, 1115, 1272, 1276, 1277, 1412, 1600, 1831
HIRUDINEA	468, 644, 933, 967, 972, 974, 980, 994, 1381, 1452, 1826
HISTORY (SA: glacial; SA: paleoecology)	
HISTORY_ARCHAEOLOGY (S: archaeology)	
HISTORY_BIRDS (S: birds_history)	
HISTORY_CLIMATE	99, 482, 671, 672, 688, 710, 765, 1188, 1189, 1339, 1390, 1656, 1790, 2060, 2103, 2413, 2414
HISTORY_COASTAL	236, 258, 430, 491, 621, 622, 751, 869, 882, 892,
(SA: history_shoreline)	

HISTORY_COASTAL (continued)	925,	976,	1186,	1188,	1189,	1190,	1227a,	1395,	1486,	1592,	1875,	2100,	2103,	2117,	2345
HISTORY_CONTAMINANTS	714,	754,	967,	1487,	1642,	1673									
HISTORY_CURRENTS (S: currents_history)															
HISTORY_DEPOSITION	430,	494,	592,	674,	675,	710,	798,	967,	1027,	1713,	2238				
HISTORY_DIVERSION	614,	744,	1052,	1132,	1351,	1364,	1583,	2271							
HISTORY_EROSION	258,	292,	363,	372,	373,	491,	494,	672,	744,	869,	882,	892,	917,	920,	967,
	1027,	1186,	1227a,	1395,	1486,	1558,	1656,	1875,	2100,	2103,	2117				
HISTORY_EUTROPHICATION	87,	110,	174,	176,	178,	182,	208,	310,	616,	765,	933,	1027,	1250,	1307,	1558,
	1647,	1650,	1673,	1926,	1927,	2010,	2014,	2047,	2254,	2323					
HISTORY_FISHERIES	141,	142,	166,	174,	176,	178,	182,	208,	220,	273,	310,	366,	367,	438,	440,
	555,	614,	616,	617,	754,	765,	889,	898,	939,	967,	976,	1027,	1052,	1066,	1070,
	1076,	1199,	1250,	1267,	1351,	1390,	1399,	1487,	1565,	1629,	1650,	1662,	1673,	1683,	1684,
	1743,	1790,	1920,	1922,	1924,	1926,	1927,	1944,	2323						
HISTORY_FORESTS	304,	795,	796,	1102,	2414										
HISTORY_GEOLOGY	110,	217,	220,	258,	264,	265,	269,	290,	292,	296,	308,	363,	372,	373,	387,
	388,	389,	430,	433,	482,	491,	494,	560,	592,	614,	621,	622,	624,	625,	671,
	672,	674,	675,	688,	723,	744,	751,	765,	798,	869,	882,	889,	892,	917,	918,
	919,	920,	927,	967,	981,	1027,	1102,	1110,	1119,	1186,	1187,	1188,	1189,	1190,	1227,
	1240,	1244,	1339,	1360,	1364,	1390,	1395,	1415,	1416,	1486,	1496,	1558,	1583,	1650,	1656,
	1673,	1713,	1780,	1855,	1875,										

HISTORY_GEOLOGY (continued)	1905, 1944, 2100, 2103, 2117, 2238, 2273, 2330, 2345, 2346, 2413
HISTORY_INVERTEBRATES	110, 174, 176, 182, 208 296, 310, 328, 418, 765, 865, 927, 933, 967, 976, 1743, 1790, 2323
HISTORY_LAKE LEVELS (S: lake_levels_history)	
HISTORY_LAND USE	363, 372, 373, 376, 390, 614, 751, 882, 925, 967, 1186, 1267, 1395, 1766, 1927, 2100, 2117
HISTORY_PHYTOPLANKTON	110, 174, 176, 178, 182, 208, 308, 310, 328, 714, 765, 967, 976, 1390, 1720, 1743, 2010, 2014, 2047, 2055, 2254, 2323
HISTORY_POLLUTION (S: pollution_history)	
HISTORY_PRECIPITATION	99, 158, 292, 293, 512, 672, 710, 744, 765, 1052, 1094, 1197, 1524, 1656, 1855, 2060
HISTORY_SEDIMENTS	110, 208, 296, 418, 430, 433, 491, 494, 592, 671, 672, 674, 675, 765, 798, 869, 882, 892, 917, 927, 933, 967, 981, 1027, 1102, 1186, 1188, 1227a, 1240, 1244, 1360, 1415, 1416, 1713, 1766, 1905, 1944, 2014, 2100, 2273, 2345, 2414
HISTORY_SHIPPING	1196, 1456, 1486, 1495, 1671, 1849, 1885
HISTORY_SHORELINE (S: shoreline_history)	
HISTORY_TEMPERATURE	99, 110, 182, 310, 512, 671, 672, 710, 765, 897, 900, 909, 967, 1170, 1390, 1558, 1673, 1766, 1790, 2083, 2321
HISTORY_URBAN	363, 372, 373, 376, 390, 812, 1186, 1307, 1364, 1456, 1583
HISTORY_WATER QUALITY (S: water_quality_history)	
HISTORY_WETLANDS	208, 236, 672, 892, 925, 976, 1052, 1102, 1188, 1190, 1395

HOLOCENE (SA: glacial)	296, 403, 433, 671, 833, 983, 1130, 1187, 1188, 1189, 1190, 1227a, 1242, 2273
HOLOPEDIDUM	704, 1181, 1367, 1776, 2312, 2316
HORMONES	306, 307, 651, 839, 1116, 1228
HUMAN HEALTH	13, 43, 95, 159, 223, (SA: toxics_human health) 319, 425, 456, 468, 685, (SA: water_quality_human health) 705, 714, 752, 758, 951, 962a, 967, 968, 972, 974, 978, 979, 980, 984, 985, 1026, 1029, 1039, 1040, 1140, 1141, 1142, 1237, 1312, 1313, 1351, 1644, 1657, 1690, 1693, 1781, 1820, 1826, 1827, 1828, 1829, 1855, 1869, 1870, 1930, 1982, 2037, 2160, 2162, 2201, 2221, 2228, 2258a, 2261, 2310, 2335, 2412
HYDRA (S: Hydrozoa)	
HYDRACARINA (S: Acari)	
HYDRAULICS	377, 513, 515, 516, 732, 744, 755, 823, 824, 1041, 1044, 1046, 1049, 1131, 1198, 1389, 1495, 1581, 2109, 2110, 2112, 2113, 2114, 2143, 2157
HYDROCARBONS (not chlorinated)	549
/general)	
(SA: oil; SA: petroleum)	
(For chlorinated hydrocarbons, S: organics or specific compounds)	
HYDROCARBONS_DISCHARGE	
(S: discharge_hydrocarbons)	
HYDROCARBONS_DISPERSION	1354, 1936
HYDROCARBONS_EFFLUENT	
(S: effluent_hydrocarbons)	
HYDROCARBONS_POLLUTION	371, 400, 453, 529, 635, (SA: water_quality_hydrocarbons) 740, 753, 754, 765, 800, 861, 952, 968, 972, 974, 979, 980, 984, 1038, 1090, 1107, 1108, 1165, 1175, 1211, 1354, 1392, 1558, 1706, 1713, 1936, 2085, 2120, 2135, 2189, 2190, 2201, 2354, 2356
HYDROCARBONS_SEDIMENTS	740, 765, 972, 974, 980, 1165, 1392, 1415, 1416, 1558, 1713, 1887, 1936, 2085, 2095, 2120, 2135, 2189, 2405

HYDROCARBONS_TRANSPORT	979,	984,	1090,	1354,	1936,
	2085,	2189			
HYDROCARBONS_WATER_QUALITY					
(S: water_quality_hydrocarbons)					
HYDRODYNAMICS (S: circulation)					
HYDROELECTRIC					
(S: power_plants_hydroelectric)					
HYDROGRAPHY	28,	30,	188,	284,	443,
(SA: bathymetry)	448,	557,	558,	559,	848,
	921,	946,	982,	1088,	1131,
	1243,	1373,	1428,	1434,	1438,
	1628,	1633,	1678,	1737	
HYDROLOGY_GROUNDWATER	6,	66,	204,	208,	252,
	288,	512,	517,	568,	733,
	739,	744,	746,	758,	765,
	954,	967,	985,	987,	988,
	1049,	1050,	1174,	1262,	1372,
	1403,	1767,	1768,	1799,	1800,
	1801,	1855,	1856,	1890,	1902,
	2115,	2271,	2272,	2302,	2331
HYDROLOGY_LAKE_LEVELS	19,	88,	89,	131,	158,
	188,	208,	252,	288,	290,
	291,	292,	293,	297,	338,
	377,	388,	389,	512,	513,
	514,	515,	516,	517,	523,
	530a,	530b,	547,	667,	673,
	689,	737,	744,	762,	765,
	895,	958,	1041,	1043,	1046,
	1049,	1050,	1051,	1052,	1094,
	1131,	1132,	1166,	1174,	1197,
	1198,	1389,	1433,	1525,	1581,
	1596,	1656,	1665,	1666,	1669,
	1817,	1919,	2022,	2106,	2109,
	2110,	2111,	2112,	2113,	2114,
	2115,	2159,	2199,	2272,	2401,
	2440,	2443			
HYDROLOGY_MODEL (S: model_hydrology)					
HYDROLOGY_PRECIPITATION	66,	88,	89,	131,	158,
	252,	284,	285,	286,	288,
	291,	292,	293,	297,	355,
	512,	516,	517,	523,	530b,
	733,	744,	762,	765,	831,
	832,	968,	1046,	1049,	1050,
	1051,	1052,	1094,	1131,	1174,
	1197,	1372,	1376,	1377,	1378,
	1389,	1524,	1594,	1595,	1656,
	1666,	1674,	1855,	2022,	2107,
	2272,	2401,	2426		
HYDROLOGY_SUMMARY					
(S: summary_hydrology)					

HYDROLOGY TRIBUTARIES					
(S: tributaries_hydrology)					
HYDROLOGY_WATER BUDGET					
(S: water budget)					
HYDROLOGY_WATER SUPPLY	6,	188,	204,	480,	513,
	523,	733,	739,	758,	762,
	764,	765,	954,	967,	968,
	984,	985,	987,	988,	1049,
	1146,	1202,	1203,	1372,	1389,
	1403,	1581,	1594,	1642,	1721,
	1767,	1768,	1799,	1801,	1827,
	1855,	1856,	1902,	2022,	2190,
	2220,	2271			
HYDROZOA	32,	157,	972		
HYPOLIMNION (SA: stratification)	445,	631,	2268		
ICE	8,	11,	12,	61,	82,
(SA: mapping_ice)	83,	84,	85,	86,	88,
(SA: model_ice)	89,	99,	119,	126,	127,
	132,	133,	137,	162,	189,
	221,	222a,	230,	231,	290,
	292,	294,	297,	358,	480,
	482,	486,	488,	625,	635,
	744,	755,	765,	811,	813,
	814,	818,	849,	850,	851,
	920,	958,	1046,	1048,	1049,
	1052,	1151,	1184,	1225,	1232,
	1298,	1309,	1331,	1332,	1503,
	1510,	1511,	1513,	1525,	1529,
	1608,	1610,	1666,	1667,	1701,
	1740,	1741,	1742,	1756,	1757,
	1758,	1759,	1760,	1761,	1762,
	1763a,	1763b,	1854,	1879,	1880,
	1932,	1933,	1934,	2034,	2102,
	2115,	2118,	2257,	2267,	2348,
	2426				
ILLITE	798,	799,	1415,	1416,	1891,
	1905				
IMPINGEMENT (SA: entrainment)	64,	195,	197,	370,	385,
	405,	406,	413,	414,	415,
	416,	545,	602,	1095,	1098,
	1133,	1248,	1249,	1396,	1455,
	1470,	1471,	1472,	1545,	1549,
	1570,	1571,	1659,	1676,	1886,
	1963,	1965,	1967,	2046,	2051,
	2152,	2214,	2300		
INDUSTRY	48,	49,	55,	79,	114,
(SA: power plants)	180,	207,	210,	260,	305,
	323,	355,	390,	528,	544,
	549,	618,	652,	695,	727,

INDUSTRY (continued)	738,	743,	749,	755,	800,
	838,	962a,	972,	984,	1042,
	1048,	1081,	1139,	1175,	1179,
	1201,	1204,	1206,	1216,	1284,
	1287,	1289,	1375,	1389,	1457,
	1462,	1486,	1524,	1543,	1544,
	1558,	1599,	1607,	1639,	1664,
	1819,	1846,	1849,	1850,	1916,
	1935,	1982,	2025,	2051,	2154b,
	2195,	2201,	2215,	2219,	2264,
	2310,	2354,	2356		
INORGANIC CARBON	88,	89,	325,	381,	1419,
	1584,	1771,	1772,	1824,	1905
INORGANICS					
(SA: specific inorganic elements)					
(SA: metals, nutrients, radionuclides,					
or trace metals)					
INORGANICS ATMOSPHERIC	16,	33,	63,	145,	180,
DEPOSITION/TRANSPORT	287,	371,	386,	425,	524,
	525,	583,	587,	590,	592,
	593,	596,	635,	644,	646,
	707,	708,	709,	710,	718,
	743,	827,	828,	838,	875,
	877,	1027,	1029,	1036,	1040,
	1103,	1129,	1137,	1201,	1210,
	1222,	1223,	1286,	1290,	1300,
	1311,	1334,	1462,	1463,	1464,
	1465,	1466,	1490,	1558,	1599,
	1606,	1619,	1703,	1704,	1711,
	1713,	1714,	1789,	1806,	1884,
	1894,	1895,	1896,	1901,	2013,
	2095,	2289,	2290,	2296,	2298,
	2329,	2352,	2354,	2355,	2356
INORGANICS BIOACCUMULATION					
(S: bioaccumulation_inorganics)					
INORGANICS_CYCLING	17,	18,	65,	69,	110,
	113,	310,	332,	417,	583,
	585,	596,	641,	958,	1027,
	1062,	1224,	1235,	1335,	1336,
	1344,	1520,	1559,	1561,	1562,
	1563,	1709,	1717,	1719,	1778,
	1884,	1952,	1960,	2020,	2085,
	2221,	2286,	2289,	2290,	2291,
	2293,	2294,	2296,	2298,	2352,
	2353,	2423,	2429		
INORGANICS DEPOSITION					
(S: deposition_inorganics)					
INORGANICS DISCHARGE					
(S: discharge_inorganics)					

```

INORGANICS_DISPERSION
(S: dispersion_inorganics)
INORGANICS_DISTRIBUTION ..... 14, 16, 17, 18, 65,
92, 100, 110, 138, 149,
174, 177, 237, 324, 375,
417, 418, 421, 427, 428,
583, 585, 589, 590, 592,
593, 629, 698, 699, 701,
754, 765, 798, 815, 828,
835, 836, 838, 870, 871,
910, 911, 912, 913, 931,
934, 994, 1103, 1123, 1145,
1154, 1218, 1221, 1222, 1227b,
1259, 1317, 1330, 1401, 1406,
1418, 1419, 1462, 1488, 1489,
1500, 1522, 1559, 1560, 1561,
1563, 1568, 1606, 1621, 1625,
1706, 1708, 1709, 1712, 1713,
1714, 1716, 1717, 1733, 1743,
1779, 1782, 1797, 1827, 1834,
1837, 1842, 1844, 1884, 1889,
1891, 1905, 1926, 1936, 1959,
2013, 2015, 2018, 2020, 2047,
2050, 2055, 2088, 2219, 2249,
2251, 2276, 2286, 2288, 2289,
2296, 2298, 2299, 2309, 2322,
2335, 2424

INORGANICS_EFFLUENT
(S: effluent_inorganics)
INORGANICS_FLUX ..... 33, 583, 589, 593, 596,
(SA: inorganics_cycling) 875, 1137, 1431, 1432, 1435,
(SA: resuspension) 1559, 1619, 1713, 1714, 1716,
1719, 1796, 1844, 1952, 2298

INORGANICS_LOADING ..... 12, 92, 106, 113, 138,
177, 180, 184, 208, 287,
328, 335, 336, 386, 392,
434, 524, 525, 531, 587,
588, 593, 616, 648, 649,
650, 701, 707, 708, 743,
753, 765, 768, 800, 947,
955, 1029, 1036, 1037, 1038,
1040, 1057, 1058, 1078, 1105,
1129, 1137, 1159, 1210, 1223,
1235, 1236, 1311, 1410, 1462,
1463, 1464, 1465, 1466, 1493,
1500, 1524, 1553, 1568, 1580,
1599, 1650, 1706, 1711, 1713,
1779, 1789, 1795, 1796, 1827,
1828, 1833, 1862, 1884, 1894,
1895, 1896, 1901, 1936, 1953,
1956, 1976, 1977, 2002, 2018,
2055, 2132, 2155, 2160, 2186,
2187, 2189, 2192, 2197, 2198,

```

INORGANICS_LOADING (continued) 2205, 2206, 2207, 2208, 2209,
 2210, 2211, 2212, 2238, 2254,
 2276, 2329, 2354, 2355, 2356,
 2368, 2431, 2433

INORGANICS_MASS_BALANCE
 (S: mass_balance)

INORGANICS_METALS (S: metals)
 (S: trace_metals)

INORGANIC_MODEL
 (S: model_inorganics)

INORGANICS_MONITORING
 (S: monitoring_inorganics)
 (S: nutrients_monitoring)
 (S: radionuclides_monitoring)

INORGANICS_NUTRIENTS (S: nutrients)

INORGANICS_POWER_PLANTS
 (S: power_plants_inorganics)

INORGANICS_RADIONUCLIDES
 (S: radionuclides)

INORGANICS_SEDIMENTS (general; 421, 525, 875, 1392, 1401,
 no specific inorganics named) 1410, 1432, 1888, 1935
 (For specific inorganics_sediments,
 S: metals_sediments or
 nutrients_sediments or
 radionuclides_sediments or
 trace_metals_sediments)

INORGANICS_SUMMARY
 (S: summary_inorganics)

INORGANICS_TRANSPORT 11, 12, 15, 18, 65,
 88, 386, 425, 524, 588,
 591, 641, 646, 708, 718,
 875, 877, 967, 979, 984,
 1027, 1029, 1062, 1105, 1106,
 1218, 1221, 1222, 1290, 1300,
 1311, 1334, 1410, 1411, 1432,
 1490, 1500, 1563, 1624, 1725,
 1806, 1884, 1894, 1895, 1896,
 1901, 1936, 2085, 2189, 2221,
 2289, 2429

INORGANICS_UPTAKE 63, 425, 427, 585, 639,
 (SA: bioaccumulation_inorganics) 640, 644, 685, 702, 1235,
 1236, 1335, 1492, 1493, 1520,
 1725, 1777, 1841, 1884, 1897,
 1956, 1957, 1959, 1960, 1957,
 2275, 2286, 2289, 2421

INORGANICS_WATER_QUALITY
 (S: water_quality_inorganics)

INSECTICIDES (S: pesticides)

INSECTS	103,	468,	623,	696,	967,
(SA: specific species or taxa)	972,	976,	977,	980,	994,
	1073,	1263,	1350,	1381,	1402,
	1448,	1449,	1452,	1585,	1588,
	1699,	2350,	2420,	2425	
INSTITUTIONS	5,	87,	165,	182,	187,
(SA: management_institutions)	206,	249,	298,	299,	300,
(SA: research_needs_institutions)	301,	302,	310,	347,	435,
(SA: water quality_institutions)	436,	440,	479,	480,	511,
	578,	643,	736,	741,	757,
	760,	764,	769,	847,	864,
	880,	964,	985,	1037,	1038,
	1058,	1063,	1064,	1247,	1355,
	1380,	1391,	1392,	1395,	1536,
	1548,	1617,	1645,	1683,	1806,
	1951,	1982,	2123,	2126,	2129,
	2158,	2179,	2199,	2205,	2327,
	2351,	2427,	2438,	2443	
INVENTORY	222b,	249,	305,	402,	520,
	763,	828,	847,	977,	1802,
	2117,	2139b,	2371		
INTERNATIONAL RELATIONS	210,	578,	632,	769,	774,
(SA: policy)	775,	1030,	1040,	1052,	1324,
	1641,	2155,	2157,	2158,	2199,
	2351,	2440,	2444		
INVERTEBRATES (This includes benthic invertebrates and zooplankton and any other invertebrates. For narrower terms, SA: specific species or taxa; SA: benthic invertebrates; SA: zooplankton)					
INVERTEBRATES_ABUNDANCE	22,	23,	24,	32,	102,
	128,	152,	157,	174,	190,
	197,	347,	392,	418,	420,
	421,	427,	468,	481,	551,
	619,	620,	697,	698,	699,
	700,	701,	704,	837,	845,
	853,	866,	867,	893,	900,
	909,	927,	932,	933,	934,
	994,	998,	1006,	1018,	1019,
	1092,	1268,	1358,	1369,	1370,
	1374,	1381,	1402,	1444,	1447,
	1448,	1449,	1450,	1451,	1539,
	1563,	1564,	1568,	1569,	1578,
	1649,	1651,	1653,	1675,	1687,
	1696,	1697,	1722,	1723,	1724,
	1727,	1731,	1740,	1775,	1827,
	1837,	1844,	1999,	2000,	2001,
	2003,	2008,	2043,	2050,	2079,
	2080,	2081,	2083,	2189,	2283,
	2306,	2312,	2315,	2316,	2322,
	2323,	2342,	2350		

INVERTEBRATES_BEHAVIOR	171, 518, 1402, 1585, 1588, 1740, 2279, 2286, 2289
INVERTEBRATES_BENTHIC (S: benthic_invertebrates)	
INVERTEBRATES_BIOACCUMULATION	41, 106, 425, 427, 428, 685, 835, 885, 886, 887, 1127, 1128, 1338, 1445, 1492, 1604, 1706, 1725, 1826, 1827, 2286, 2289, 2299, 2424
INVERTEBRATES_BIOMASS	24, 25, 928, 1268, 1333, 1369, 1374, 1421, 1569, 1648, 1649, 1729
INVERTEBRATES_DEPTH	32, 1367, 1569, 1648, 1649, 1680, 1743, 1824, 2314
INVERTEBRATES_DIET	155, 190, 331, 332, 518, 585, 656, 685, 887, 900, 909, 967, 1072, 1342, 1374, 1421, 1427, 1449, 1519, 1585, 1588, 1604, 1680, 1699, 1740, 1743, 1878, 2050, 2083, 2219, 2274, 2279, 2283, 2307, 2316, 2320, 2415, 2420, 2423, 2424
INVERTEBRATES_DISTRIBUTION	22, 23, 24, 32, 65, 92, 110, 116, 117, 128, 157, 163, 174, 190, 296, 417, 418, 419, 420, 421, 427, 428, 481, 585, 612, 619, 620, 698, 699, 701, 704, 765, 837, 845, 863, 866, 867, 893, 900, 909, 931, 932, 933, 934, 977, 994, 998, 1006, 1018, 1019, 1149, 1263, 1350, 1358, 1367, 1368, 1369, 1370, 1374, 1381, 1401, 1402, 1444, 1447, 1448, 1450, 1539, 1563, 1568, 1569, 1578, 1648, 1649, 1651, 1675, 1680, 1686, 1687, 1696, 1697, 1706, 1722, 1723, 1724, 1727, 1729, 1740, 1743, 1775, 1776, 1827, 1837, 1844, 1884, 1936, 1944, 1948, 1961, 1999, 2000, 2001, 2003, 2007, 2008, 2043, 2044, 2050, 2080, 2081, 2083, 2084, 2219, 2223, 2248, 2279, 2283, 2286, 2289, 2299, 2306, 2312, 2314, 2315, 2322, 2323, 2342, 2350, 2424, 2425
INVERTEBRATES_GROWTH	155, 331, 332, 392, 900, 909, 1421, 1578, 1584, 1696, 1697, 2083, 2219, 2283

INVERTEBRATES_HABITAT	32, 421, 431, 612, 893, 909, 927, 976, 977, 998, 1181, 1368, 1381, 1398, 1402, 1448, 1452, 1743, 2138, 2283, 2323
INVERTEBRATES_HISTORY (S: history_invertebrates)	
INVERTEBRATES_LIFE HISTORY	22, 900, 909, 1421, 2003, 2082, 2083
INVERTEBRATES_MAPPING (S: mapping_invertebrates)	
INVERTEBRATES_METABOLISM	146, 147, 151, 656, 835, 916, 1030, 1604, 1961, 2219
INVERTEBRATES_METALS	41, 64, 65, 92, 106, (includes trace metals) 174, 175, 176, 189, 208, 425, 426, 427, 585, 644, 685, 765, 958, 967, 969, 972, 973, 974, 980, 994, 1027, 1030, 1127, 1128, 1220, 1333, 1336, 1337, 1338, 1445, 1493, 1584, 1604, 1706, 1725, 1826, 1827, 1828, 1884, 1936, 2231, 2270, 2286, 2289, 2385, 2400, 2424
INVERTEBRATES_MONITORING	62, 91, 106, 116, 117, 128, 163, 189, 315, 644, 685, 722, 837, 967, 969, 972, 973, 980, 994, 995, 999, 1006, 1015, 1019, 1020, 1092, 1336, 1358, 1445, 1446, 1447, 1448, 1469, 1528, 1551, 1580, 1585, 1687, 1688, 1775, 1826, 1827, 1828, 1883, 2007, 2050, 2090, 2170, 2385, 2400
INVERTEBRATES_MORPHOLOGY	157, 1519, 2248
INVERTEBRATES_MORTALITY	124, 185, 195, 431, 518, 619, 801, 817, 835, 916, 1018, 1024, 1578, 2079, 2083, 2219, 2366
INVERTEBRATES_NUTRIENTS (S: benthic_invertebrates_nutrients) (S: zooplankton_nutrients)	
INVERTEBRATES_ORGANICS	208, 885, 886, 887, 958, (SA: toxics_invertebrates) 1030, 1706, 1935, 1936, 2323
INVERTEBRATES_PHYSIOLOGY	65, 146, 147, 425, 427, 837, 916, 1335, 1578, 1585, 1604, 1826, 1827, 1828, 1961, 2219

INVERTEBRATES_POPULATIONS	23,	24,	65,	116,	117,
	128,	418,	420,	421,	427,
	612,	619,	845,	867,	932,
	1006,	1091,	1092,	1268,	1333,
	1341,	1369,	1421,	1450,	1469,
	1649,	1675,	1696,	1697,	1724,
	1740,	1743,	1775,	1776,	1790,
	1999,	2000,	2003,	2080,	2306,
	2312,	2316,	2342		
INVERTEBRATES_POWER PLANTS (S: power plants, effects on invertebrates)					
INVERTEBRATES_REVIEW (S: review_invertebrates)					
INVERTEBRATES_SEASONAL VARIATION	24,	92,	117,	171,	190,
	328,	967,	980,	1006,	1370,
	1452,	1538,	1564,	1696,	1697,
	1727,	1743			
INVERTEBRATES_SURVIVAL	518,	835,	2083,	2219	
(SA: invertebrates_mortality)					
INVERTEBRATES_TAXONOMY	157,	418,	451,	481,	521,
	697,	893,	894,	2001,	2082,
	2084				
INVERTEBRATES_TEMPERATURE	62,	65,	88,	89,	91,
(SA: thermal pollution, effects on invertebrates)	92,	102,	107,	110,	120,
	181,	182,	189,	310,	315,
	347,	431,	518,	620,	656,
	765,	900,	905,	909,	916,
	958,	967,	969,	972,	973,
	974,	980,	994,	995,	998,
	999,	1006,	1018,	1091,	1151,
	1341,	1368,	1374,	1452,	1528,
	1551,	1569,	1580,	1743,	1790,
	1826,	1827,	1828,	1837,	1844,
	1878,	1999,	2083,	2090,	2170,
	2270,	2275,	2312,	2314,	2315,
	2366,	2379,	2385		
INVERTEBRATES_TOXICS (S: toxics_invertebrates)					
INVERTEBRATES_UPTAKE	425,	427,	585,	644,	685,
(SA: invertebrates_bioaccumulation)	1335,	1492,	1493,	1725,	1884,
	1956,	2286,	2289		
INVERTEBRATES_WATER QUALITY (S: water quality_invertebrates)					
INVERTEBRATES_WEIGHT	25,	928			
IODINE	428,	561,	562,	740,	2069,
	2070,	2085,	2287,	2353	
IRON	15,	92,	138,	189,	325,
	326,	327,	381,	474,	584,

IRON (continued)	585,	594,	610,	686,	707,
	715,	740,	765,	815,	818,
	838,	954,	969,	971,	972,
	980,	987,	988,	1058,	1175,
	1211,	1218,	1220,	1221,	1222,
	1400,	1418,	1419,	1435,	1500,
	1558,	1584,	1599,	1712,	1718,
	1725,	1767,	1769,	1771,	1772,
	1773,	1774,	1778,	1826,	1827,
	1829,	1846,	1857,	1892,	1904,
	1936,	1976,	1977,	2085,	2086,
	2093,	2135,	2195,	2221,	2231,
	2302,	2309,	2329,	2333,	2433
ISOPODA	972,	1381,	1585,	1588,	2231
(SA: specific species)					
ISOSTATIC REBOUND	269,	723,	1189,	1227a,	1305,
(SA: crustal movements)	1306,	1415,	1416,	1780,	2346
JETTIES (SA: coastal structures)	437,	983,	1361,	2103,	2121
KAOLINITE	325,	799,	1160,	1891,	1917
KILLIFISH	166,	1399			
KIYI	908,	2065			
KOKANEE SALMON	774,	1565,	1922		
(SA: salmon; SA: salmonid)					
LAKE ALGONQUIN (SA: lake stages)	918,	1119,	1415,	1416	
LAKE BREEZE	134,	135,	136,	860,	945,
	1282,	1283,	1288,	1291,	1293,
	1294,	1298,	1301,	1422,	1423,
	1424,	1425,	1540,	1541,	1542,
	1792,	1895,	1901,	1931,	2027,
	2029,	2030,	2031,	2072,	2073,
	2172,	2349			
LAKE CHICAGO (SA: lake stages)	264,	265,	269,	621,	622,
	892,	918,	1119,	2345	
LAKE CHIPPEWA (SA: lake stages)	859,	1102			
(SA: Chippewa Stage)					
LAKE EFFECT	346,	350,	351,	353,	354,
(SA: model_lake effect)	355,	356,	357,	398,	469,
(SA: precipitation_lake effect)	470,	530b,	532,	606,	710,
	765,	810,	860,	872,	884,
	944,	945,	1155,	1156,	1157,
	1288,	1291,	1298,	1300,	1366,
	1423,	1498,	1499,	1542,	1605,
	1707,	2023,	2026,	2029,	2030,
	2031,	2045,	2060,	2241a,	2243,
	2339,	2340,	2349		
LAKE HERRING	166,	178,	223,	272,	273,
	366,	367,	382,	422,	431,
	555,	754,	774,	775,	836,

LAKE HERRING (continued)	837, 896, 898, 905, 908, 916, 1077, 1098, 1269, 1683, 1689, 1922, 1926, 2009, 2050, 2065, 2219, 2303, 2304, 2322, 2323
LAKE LEVELS (general)	732, 851, 921, 1048, 1134, 1176, 1310, 1478, 1479, 1480, 1481, 1482, 1483, 1525, 1631, 1670, 1678, 1679, 1818, 1879, 1887, 1943, 2157, 2241b
LAKE LEVELS_CURRENTS	191, 1433
LAKE LEVELS_EROSION	58, 203, 258, 292, 402, 403, 491, 492, 495, 496, 509, 515, 523, 557, 558, 573, 574, 597, 672, 736, 737, 742, 744, 755, 762, 774, 775, 809, 811, 821, 822, 823, 824, 892, 895, 920, 958, 966b, 983, 1027, 1042, 1045, 1050, 1075, 1149, 1151, 1180, 1185, 1215, 1227a, 1326, 1394, 1436, 1558, 1615, 1616, 1619, 1656, 1663, 1783, 1816, 1875, 1876, 1882, 1947, 2054, 2102, 2105, 2115, 2118, 2272, 2325, 2381, 2407, 2444
LAKE LEVELS_GEOMORPHOLOGY	203, 491, 492, 495, 496, 509, 564, 565, 572, 573, 723, 731, 809, 811, 821, 892, 958, 1149, 1188, 1190, 1326, 1438, 1663, 1783, 1816, 1818, 1871, 1882, 2092, 2118
LAKE LEVELS_HISTORY	158, 208, 236, 258, 264, 265, 269, 290, 292, 293, 296, 310, 388, 389, 491, 512, 614, 671, 672, 723, 744, 754, 765, 892, 918, 920, 1027, 1052, 1094, 1102, 1119, 1132, 1187, 1188, 1189, 1190, 1197, 1227a, 1390, 1477, 1496, 1558, 1581, 1656, 1667, 1764, 1780, 1875, 1905, 1944, 2440
LAKE LEVELS_MANAGEMENT	19, 58, 131, 158, 188, 208, 310, 377, 378, 403, 513, 514, 515, 516, 523, 577, 689, 736, 737, 742, 754, 765, 773, 774, 775, 811, 822, 823, 895, 958, 966b, 983, 1041, 1043, 1044, 1046, 1047, 1050, 1051, 1052, 1174, 1180, 1189, 1198, 1274,

LAKE LEVELS_MANAGEMENT (continued)	1389, 1394, 1436, 1581, 1619, 1764, 1783, 1865b, 1918, 1919, 2022, 2102, 2105, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2118, 2158, 2159, 2199, 2381, 2407, 2438, 2440, 2443
LAKE LEVELS_MODEL	88, 89, 131, 252, 269, 288, 310, 388, 389, 450, 512, 517, 523, 597, 636, 637, 661, 673, 731, 852, 895, 958, 1174, 1254, 1371, 1433, 1438, 1468, 1596, 1626, 1627, 1665, 1666, 1668, 1669, 1677, 1737, 2022, 2054, 2199
LAKE LEVELS_MONITORING	189, 338, 530a, 547, 1051, 1166, 1197, 1474, 1475, 1476, 1558, 1668, 2105, 2106, 2217, 2272
LAKE LEVELS_PRECIPITATION (S: precipitation_lake levels)	
LAKE LEVELS_REVIEW	258, 403, 515, 744, 755, 765, 918, 1052, 1132, 1197, 1581, 1656, 1865, 1905
LAKE LEVELS_SEASONAL VARIATION	288, 495, 512, 564, 565, 572, 1046, 1051, 1052, 1174, 1371, 1438, 1468, 1817, 1871
LAKE LEVELS_SEICHE	97, 450, 636, 765, 852, (SA: seiche) 942, 1050, 1051, 1052, 1060, 1084, 1088, 1131, 1174, 1257, 1394, 1429, 1433, 1438, 1439, 1467, 1626, 1627, 1677, 1812, 1817, 1905
LAKE LEVELS_SUMMARY (S: summary_lake levels)	
LAKE LEVELS_WIND	97, 189, 191, 192, 288, 297, 509, 530b, 572, 574, 636, 661, 765, 942, 983, 1049, 1051, 1052, 1060, 1075, 1084, 1088, 1174, 1180, 1394, 1433, 1438, 1467, 1468, 1615, 1626, 1627, 1656, 1812, 2092, 2102, 2407
LAKE MICHIGAN FORMATION	296, 798, 1130, 1242, 1243, 1245
LAKE OUTLETS	131, 264, 290, 292, 293, 377, 378, 516, 744, 918, 920, 1043, 1044, 1046, 1119, 1132, 1174, 1189, 1581, 1596, 2345

LAKE STAGES	264,	265,	269,	296,	560,
	621,	622,	623,	624,	625,
	672,	687,	688,	710,	795,
	796,	918,	919,	920,	983,
	1102,	1119,	1187,	1188,	1189,
	1190,	1227a,	1397,	1415,	1416,
	1720,	1905,	1943,	1944,	1947,
	2345,	2346,	2413		
LAKE STURGEON (S: sturgeon)					
LAKE TROUT	140,	166,	178,	223,	273,
(SA: salmonid)	365,	366,	367,	382,	392,
(SA: trout)	422,	428,	461,	462,	463,
	468,	545,	553,	555,	617,
	654,	754,	774,	775,	779,
	780,	781,	835,	836,	837,
	876,	967,	968,	994,	1068,
	1069,	1070,	1071,	1077,	1098,
	1117,	1118,	1179,	1199,	1250,
	1266,	1267,	1269,	1310,	1353,
	1399,	1567,	1586,	1587,	1589,
	1590,	1683,	1690,	1691,	1692,
	1693,	1752,	1753,	1755,	1785,
	1790,	1828,	1829,	1907,	1908,
	1909,	1910,	1911,	1913,	1914,
	1922,	1924,	1925,	1926,	1927,
	1928,	1954,	1955,	1965,	1970,
	1993,	1994,	1995,	2050,	2065,
	2066,	2219,	2262,	2265,	2282,
	2286,	2289,	2301,	2304,	2319,
	2322,	2323,	2337,	2370,	2415,
	2416,	2424			
LAKE TROUT_REHABILITATION	779,	835,	1922,	1924,	1925,
	1927,	1928			
LAKE WHITEFISH (S: whitefish)					
LAMPREY (S: sea lamprey)					
(S: specific species)					
LAMPRICIDES (S: sea lamprey_lampricides)					
LAND USE	47,	53,	58,	62,	72,
(SA: history_land use)	207,	249,	322,	323,	339,
(SA: mapping_land use)	361,	363,	372,	373,	376,
(SA: review_land use)	390,	399,	480,	535,	548,
(SA: summary_land use)	614,	734,	735,	738,	740,
(SA: water quality_land use)	745,	749,	750,	751,	757,
	758,	760,	763,	764,	766,
	767,	829,	843,	844,	846,
	881,	882,	925,	940,	959,
	960,	964,	967,	1042,	1053,
	1054,	1055,	1056,	1057,	1081,
	1085,	1138,	1175,	1186,	1216,
	1267,	1395,	1457,	1497,	1554,
	1620,	1632,	1664,	1791,	1865a,

LAND USE (continued)	1927, 1953, 1982, 2099, 2100, 2102, 2116, 2117, 2122, 2123, 2125, 2126, 2133, 2138, 2152, 2180, 2239, 2240, 2326, 2331, 2368, 2444
LANDFILL (S: waste)	
LANTHANUM	381, 584, 585, 594, 798, 815, 1242, 1269, 1418, 1891, 1892, 2086
LARGEMOUTH BASS	382, 967, 1000, 1098, 1390, 1828
LARVAL FISH (S: fish_larval)	
LEAD	33, 66, 149, 386, 592, 593, 648, 649, 686, 707, 718, 740, 798, 879, 955, 962a, 967, 971, 972, 974, 1026, 1027, 1057, 1103, 1165, 1175, 1178, 1218, 1220, 1221, 1222, 1242, 1330, 1344, 1606, 1625, 1705, 1706, 1713, 1716, 1827, 1828, 1829, 1891, 1892, 2085, 2093, 2120, 2135, 2165, 2187, 2221, 2231, 2287, 2309, 2329, 2335, 2354
LEAD-210	65, 588, 593, 1709, 1711, (SA: dating; SA: radionuclides) 1713, 1714, 1715, 1716, 1717
LEECHES (S: Hirudinea)	
LEGAL ASPECTS	4, 51, 71, 72, 165, 210, 339, 399, 435, 511, 614, 736, 752, 757, 760, 846, 869, 961, 978, 1027, 1063, 1074, 1179, 1180, 1206, 1324, 1343, 1347, 1380, 1391, 1395, 1485, 1536, 1544, 1546, 1645, 2071, 2199, 2234, 2263, 2327, 2437
LEPTODIAPTOMUS	2083
LEPTODORA	1367, 2312, 2316
LEPTOSPIROSIS (S: bacteria)	
LIGHT	9, 11, 12, 171, 173, (SA: radiation) 229, 230, 518, 638, 897, 934, 1116, 1236, 1295, 1367, 1368, 1518, 2046, 2063, 2154, 2275, 2334
LIMESTONE	763, 917, 1948, 2223
LIMNOCALANUS	1325, 1368, 1427, 1722, 2044, 2083, 2312

LINDANE	67, 967, 974, 1089, 1230,
(SA: organochlorine pesticides)	1231, 1825
LIPIDS	247, 248, 1026, 1396, 1693,
	1930, 1959, 2089, 2338
LITTORAL DRIFT	130, 203, 253, 254, 255,
(SA: sediments_transport)	294, 494, 495, 502, 503,
	504, 510, 556, 568, 660,
	665, 670, 728, 761, 811,
	820, 848, 869, 963, 965,
	983, 1075, 1131, 1150, 1151,
	1215, 1241, 1361, 1394, 1395,
	1816, 2054, 2099, 2100, 2102,
	2103, 2118, 2138, 2173, 2237
LIZARDS	1593
LOADING_ATMOSPHERIC	
(S: atmospheric_loading)	
LOADING_POLLUTION	
(S: pollution_loading)	
(S: specific_compound_loading)	
LOADING_TOXICS (S: toxics_loading)	
LOADING_TRIBUTARIES	
(S: tributaries_loading)	
LOAM	325, 1997
LOCKS (S: hydraulics)	
LOONS (SA: birds)	633, 873, 1598
LYNGBYA (SA: blue-green algae)	1315, 1316, 2189
MACROINVERTEBRATES (S: invertebrates)	
MACROPHYTES	468, 577, 685, 925, 976,
	977, 1027, 1492, 1956, 2041,
	2289, 2426
MADTOM	804
MAGNESIUM	8, 56, 92, 138, 180,
	186, 189, 325, 326, 610,
	686, 740, 765, 818, 954,
	1159, 1160, 1161, 1222, 1262,
	1335, 1400, 1419, 1647, 1705,
	1706, 1712, 1718, 1725, 1767,
	1769, 1771, 1772, 1773, 1977,
	2095, 2187, 2231, 2309, 2433
MAGNETIC DATA	218, 219, 433, 1527, 1530,
(SA: geomagnetism)	1531, 2273
MAMMALS (SA: wildlife)	93, 95, 747, 976, 977,
	1027, 1260, 1398, 1832
MANAGEMENT_COASTAL	
(S: coastal_management)	

MANAGEMENT_ECONOMICS	77,	140,	188,	235,	310,
	322,	323,	440,	461,	511,
	513,	514,	516,	535,	635,
	689,	736,	750,	754,	764,
	766,	770,	771,	772,	773,
	774,	775,	790,	846,	847,
	895,	963,	965,	985,	1041,
	1044,	1046,	1047,	1050,	1051,
	1052,	1063,	1066,	1070,	1113,
	1302,	1328,	1375,	1403,	1488,
	1501,	1548,	1620,	1848,	1889,
	1907,	1908,	1909,	1910,	1913,
	1914,	1919,	1928,	1929,	1982,
	2022,	2100,	2110,	2111,	2112,
	2117,	2118,	2127,	2129,	2130,
	2131,	2199,	2216,	2228,	2230,
	2232,	2234,	2304,	2326	
MANAGEMENT_FISH (S: fish_management)					
MANAGEMENT_INSTITUTIONS	165,	249,	298,	299,	300,
	302,	310,	435,	436,	440,
	479,	480,	511,	578,	736,
	741,	757,	760,	764,	769,
	847,	864,	880,	964,	985,
	1058,	1063,	1064,	1355,	1392,
	1395,	1548,	1645,	1982,	2123,
	2126,	2129,	2158,	2179,	2199,
	2205,	2327,	2351,	2438	
MANAGEMENT_LAKE LEVELS					
(S: lake_levels_management)					
MANAGEMENT_POLLUTION					
(S: pollution_management)					
MANAGEMENT_POWER PLANTS					
(S: power_plants_management)					
MANAGEMENT_RECREATION	322,	323,	750,	2230,	2232
MANAGEMENT_WASTE					
(S: waste_management)					
MANAGEMENT_WATER QUALITY					
(S: water_quality_management)					
MANAGEMENT_WATER SUPPLY	188,	480,	513,	523,	695,
	714,	736,	752,	758,	764,
	765,	766,	954,	963,	965,
	967,	985,	1113,	1202,	1203,
	1204,	1206,	1307,	1375,	1389,
	1403,	1521,	1581,	1642,	1766,
	1982,	2022,	2133,	2182,	2230,
	2255				
MANAGEMENT_WATER USE	4,	74,	77,	114,	207,
	267,	322,	323,	632,	689,
	695,	734,	735,	753,	757,
	758,	760,	764,	765,	766,

MANAGEMENT_WATER USE (continued)	864,	954,	958,	959,	960,
	986,	1050,	1052,	1112,	1113,
	1202,	1203,	1204,	1206,	1304,
	1307,	1389,	1393,	1403,	1766,
	1800,	2133,	2159,	2199,	2230,
	2242				
MANGANESE	15,	92,	138,	189,	324,
(SA: ferromanganese nodules)	325,	326,	327,	371,	381,
	584,	594,	648,	649,	686,
	765,	798,	815,	838,	903,
	954,	955,	967,	971,	974,
	1030,	1175,	1218,	1220,	1222,
	1382,	1418,	1419,	1420,	1435,
	1500,	1709,	1712,	1714,	1718,
	1769,	1771,	1772,	1773,	1827,
	1828,	1829,	1892,	1904,	1905,
	2085,	2086,	2229,	2287,	2309
MAPPING (SA: bathymetry)					
(SA: hydrography)					
MAPPING_CLOUDS	1295				
MAPPING_COASTAL	236,	254,	339,	402,	403,
	497,	498,	499,	557,	558,
	559,	567,	730,	809,	820,
	843,	844,	962a,	963,	965,
	982,	983,	1109,	1881,	1882,
	2092,	2117,	2147,	2345,	2371
MAPPING_FISH	480,	962,	967,	1944,	1966
MAPPING_GEOLOGY	101,	111,	254,	361,	402,
	403,	480,	497,	498,	499,
	557,	558,	559,	567,	669,
	674,	675,	730,	746,	809,
	820,	921,	946,	962a,	963,
	965,	967,	981,	982,	983,
	1239,	1339,	1359,	1360,	1418,
	1419,	1530,	1769,	1771,	1881,
	1882,	1944,	2092,	2117,	2147,
	2345,	2346,	2371,	2403,	2444
MAPPING_HYDROGRAPHY	557,	558,	559,	921,	946,
(SA: hydrography)	982,	1131,	1633		
MAPPING_ICE	84,	480,	813,	814,	1331,
	1760,	1761,	1932,	1934,	2034
MAPPING_INVERTEBRATES	967,	1944			
MAPPING_LAND USE	339,	361,	480,	843,	844,
	967,	1216,	1457,	1766,	2117,
	2444				
MAPPING_NAVIGATION	480,	813,	1131,	1760,	1761,
	2154a				
MAPPING_PHYTOPLANKTON	375,	962a,	967,	2034	

MAPPING_REEFS	1944				
MAPPING_REMOTE SENSING	84,	480,	813,	814,	844,
	983,	1109,	1239,	1314,	1514,
	1633,	1793,	1932,	1934,	2034,
	2067,	2371			
MAPPING_SEDIMENTS	101,	111,	497,	498,	499,
	567,	674,	675,	730,	809,
	820,	921,	962a,	963,	965,
	967,	981,	983,	1360,	1418,
	1419,	1769,	1771,	1881,	1944,
	2092,	2345			
MAPPING_SEISMIC	1418,	2403			
MAPPING_SHORELINE	254,	339,	402,	403,	480,
	497,	498,	499,	557,	567,
	669,	674,	675,	809,	820,
	833,	844,	868,	962a,	962b,
	983,	1109,	1216,	2117	
MAPPING_STRATIGRAPHY	567,	981,	2345,	2346	
MAPPING_TEMPERATURE	84,	375,	684,	967,	983,
(SA: mapping_thermal_pollution)	1109,	1155,	1157,	1314,	1356,
	1508,	1514,	1555,	1594,	1760,
	1761,	1793,	1932,	1934,	1966,
	2034,	2172			
MAPPING_THERMAL POLLUTION	684,	1216,	1314,	1555,	1966
(SA: mapping_temperature)					
MAPPING_WATER QUALITY	480,	843,	844,	962,	963,
	965,	967,	1216		
MAPPING_WATER USE	480,	843,	844,	967,	1216
MAPPING_WATERSHED	361,	746,	844,	967,	1131,
	1216,	1339,	1457,	1594	
MARINAS	453,	1312,	2232,	2411	
MARSHES (S: wetlands)					
MASS BALANCE_INORGANICS	386,	1463,	1524,	2085	
MASS BALANCE_ORGANICS	2085				
MAYFLY (S: Ephemeroptera)					
MEGALOPTERA	967				
MELOSIRA (SA: diatoms)	115,	375,	910,	913,	1837,
	1843,	2016,	2017,	2018,	2020,
	2167,	2231,	2250,	2257,	2270
MERCURY	189,	223,	360,	371,	426,
	428,	594,	595,	627,	648,
	649,	686,	754,	798,	835,
	836,	838,	862,	879,	955,
	967,	968,	972,	973,	974,
	1026,	1027,	1037,	1038,	1039,
	1058,	1123,	1137,	1140,	1141,

MERCURY (continued)	1145, 1165, 1178, 1211, 1220, 1221, 1222, 1242, 1269, 1558, 1604, 1609, 1714, 1725, 1827, 1828, 1829, 1872, 1905, 2050, 2065, 2085, 2221, 2231, 2258b, 2335, 2365
MERGANSERS (SA: ducks; SA: birds)	627, 633
MESOCYCLOPS	2044, 2312
METALS (These subdivisions include both metals and trace metals. For narrow terms, SA: specific elements or SA: trace metals)	
METALS ATMOSPHERIC DEPOSITION/ LOADING/POLLUTION	16, 33, 180, 371, 386, 425, 524, 583, 587, 590, 592, 593, 596, 644, 646, 707, 708, 709, 710, 718, 743, 827, 828, 838, 877, 1027, 1103, 1137, 1222, 1223, 1290, 1334, 1490, 1558, 1599, 1606, 1713, 1714, 1789, 1884, 1894, 1895, 1896, 1901, 2013, 2289, 2290, 2296, 2298, 2329, 2354, 2355, 2356
METALS_BENTHIC_INVERTEBRATES (S: benthic_invertebrates_metals)	
METALS_BIOACCUMULATION	41, 106, 425, 427, 428, 586, 596, 627, 685, 862, 879, 1127, 1128, 1140, 1141, 1178, 1269, 1334, 1338, 1445, 1491, 1558, 1604, 1706, 1725, 1826, 1827, 1957, 1958, 1959, 1968, 2065, 2286, 2289, 2301, 2335, 2424
METALS_CYCLING	17, 18, 65, 69, 583, 585, 596, 958, 1027, 1062, 1224, 1336, 1344, 1709, 1884, 2085, 2221, 2286, 2289, 2290, 2291, 2293, 2294, 2296, 2298, 2429
METALS_DEPOSITION (S: deposition_metals)	
METALS_DISCHARGE	64, 69, 138, 386, 800, 967, 968, 972, 973, 974, 1007, 1014, 1037, 1057, 1127, 1128, 1211, 1445, 1493, 1524, 1558, 1624, 1774, 1826, 1827, 1828, 1833, 1936, 1977, 2160, 2187, 2195, 2231, 2238, 2254, 2289, 2333, 2354, 2385, 2400

METALS_FISH (S: fish_metals)

METALS_INVERTEBRATES
(S: invertebrates_metals)

METALS_LOADING 92, 106, 138, 177, 180,
208, 386, 524, 587, 588,
593, 648, 649, 707, 708,
743, 765, 768, 800, 955,
1037, 1038, 1057, 1058, 1137,
1159, 1223, 1493, 1500, 1524,
1553, 1599, 1706, 1713, 1789,
1827, 1828, 1833, 1862, 1884,
1894, 1895, 1896, 1901, 1904,
1936, 1976, 1977, 2160, 2187,
2238, 2254, 2329, 2354, 2355,
2356, 2433

METALS_MASS BALANCE 386, 1524, 2085

METALS_MODEL (S: model_metals)

METALS_PHYTOPLANKTON
(S: phytoplankton_metals)

METALS_POLLUTION 64, 65, 66, 92, 174,
175, 178, 180, 208, 360,
371, 386, 425, 474, 524,
587, 591, 592, 594, 646,
648, 649, 685, 686, 707,
708, 710, 740, 743, 765,
768, 800, 838, 877, 952,
955, 958, 962a, 967, 968,
969, 971, 972, 973, 974,
980, 1007, 1014, 1027, 1030,
1034, 1037, 1038, 1057, 1058,
1062, 1103, 1140, 1141, 1165,
1175, 1178, 1211, 1218, 1220,
1221, 1222, 1290, 1330, 1333,
1334, 1337, 1419, 1445, 1493,
1524, 1558, 1606, 1625, 1647,
1706, 1713, 1718, 1725, 1827,
1828, 1829, 1857, 1862, 1872,
1892, 1895, 1896, 1901, 1936,
1957, 1958, 1959, 1968, 1976,
1979, 2013, 2065, 2085, 2088,
2094, 2096, 2120, 2135, 2160,
2187, 2195, 2201, 2231, 2238,
2254, 2258b, 2333, 2335, 2354,
2355, 2356, 2385, 2400, 2429

METALS_RADIONUCLIDES
(S: radionuclides)

METALS_RESIDENCE TIME 590, 1137, 1159, 1222, 2289,
2354

METALS_SEDIMENTS 15, 18, 65, 66, 69,
92, 106, 138, 149, 208,

METALS_SEDIMENTS (continued) 325, 327, 360, 381, 386,
 426, 427, 524, 583, 585,
 587, 588, 589, 590, 591,
 592, 593, 594, 596, 648,
 649, 685, 686, 707, 715,
 740, 765, 768, 798, 815,
 818, 879, 903, 955, 958,
 962a, 967, 972, 974, 980,
 1027, 1057, 1103, 1123, 1159,
 1165, 1168, 1178, 1220, 1221,
 1222, 1224, 1242, 1334, 1336,
 1382, 1418, 1419, 1435, 1445,
 1500, 1522, 1558, 1599, 1609,
 1621, 1624, 1625, 1709, 1712,
 1713, 1714, 1715, 1716, 1718,
 1769, 1770, 1771, 1772, 1773,
 1774, 1782, 1789, 1826, 1827,
 1828, 1833, 1857, 1884, 1891,
 1892, 1904, 1905, 1936, 1946,
 1958, 1976, 1977, 2085, 2086,
 2093, 2094, 2095, 2096, 2120,
 2135, 2221, 2231, 2286, 2288,
 2289, 2293, 2296, 2298, 2365,
 2400, 2424

METALS_TOXICS
 (S: toxics_metals)

METALS_TRANSPORT 15, 18, 65, 386, 425,
 524, 588, 591, 646, 708,
 718, 877, 967, 1027, 1062,
 1218, 1221, 1222, 1290, 1334,
 1490, 1500, 1624, 1725, 1884,
 1894, 1895, 1896, 1901, 1904,
 1936, 2085, 2221, 2289, 2429

METALS_TRIBUTARIES
 (S: tributaries_metals)

METALS_UPTAKE 425, 427, 585, 644, 685,
 (SA: metals_bioaccumulation) 1493, 1725, 1884, 1897, 1957,
 1959, 1968, 2286, 2289

METALS_WATER_QUALITY 9, 13, 41, 64, 66,
 (SA: metals_pollution) 69, 92, 97, 106, 174,
 175, 176, 177, 178, 180,
 186, 189, 208, 386, 426,
 474, 644, 706, 765, 768,
 800, 879, 952, 954, 958,
 962a, 967, 968, 969, 971,
 972, 973, 974, 980, 987,
 988, 994, 1014, 1027, 1030,
 1034, 1037, 1038, 1057, 1058,
 1062, 1104, 1159, 1161, 1175,
 1200, 1211, 1220, 1250, 1330,
 1333, 1419, 1524, 1553, 1558,
 1584, 1606, 1647, 1705, 1706,

METALS_WATER QUALITY (continued)	1767, 1826, 1827, 1828, 1829, 1833, 1862, 1936, 1976, 1977, 2013, 2085, 2088, 2093, 2094, 2095, 2096, 2120, 2160, 2165, 2187, 2195, 2201, 2221, 2231, 2238, 2241c, 2254, 2258b, 2270, 2287, 2309, 2333, 2365, 2385, 2400, 2429, 2433
METALS_ZOOPLANKTON (S: zooplankton_metals)	
METEOROLOGY (S: air_temperature, climate, clouds, evaporation, ice, lake breeze, lake effect, power plants_meteorology, precipitation, research needs, summary_meteorology, storms, or wind)	
METHOXYCHLOR	967, 974, 1825, 1826
MINERALS	208, 241, 324, 325, 326, 327, 359, 563, 567, 568, 635, 715, 740, 749, 763, 798, 799, 903, 950, 1149, 1151, 1160, 1191, 1227b, 1244, 1382, 1415, 1416, 1418, 1419, 1420, 1717, 1769, 1771, 1772, 1773, 1774, 1887, 1891, 1905, 1917, 2074, 2221, 2229, 2233, 2309, 2345, 2346
MINING	326, 635, 740, 755, 1419, 1420, 2229, 2233
MINNOWS	392, 1098, 1399, 1684
(SA: cyprinids or specific species)	
MIREX	1030, 1039, 1040
MIXING	11, 12, 15, 98, 102, 110, 162, 168, 192, 198, 199, 215, 342, 417, 449, 583, 590, 593, 610, 630, 683, 692, 793, 801, 830, 831, 832, 870, 924, 944, 945, 958, 967, 972, 979, 1106, 1222, 1229, 1251, 1290, 1325, 1329, 1354, 1431, 1438, 1440, 1490, 1503, 1504, 1505, 1509, 1533, 1534, 1556, 1608, 1618, 1634, 1635, 1637, 1674, 1680, 1707, 1711, 1713, 1714, 1715, 1716, 1719, 1738, 1812, 1828, 1844, 1877, 1936, 1937, 1944, 2011, 2029, 2036, 2042, 2056, 2164, 2166, 2172, 2190, 2219, 2268, 2275, 2286, 2289, 2294, 2298, 2404, 2434

MODEL_ATMOSPHERIC_POLLUTION	287,	386,	532,	550,	652,
	710,	875,	1109,	1201,	1285,
	1287,	1300,	1674,	1713,	1895,
	1901,	1996,	2354,	2355	
MODEL_BENTHIC_INVERTEBRATES	62,	64,	92,	310,	1580,
	1936,	2274,	2286		
MODEL_CIRCULATION (S: circulation_model)					
MODEL_CURRENTS (S: currents_model)					
MODEL_DEPOSITION	386,	498,	505,	532,	665,
	710,	731,	875,	1109,	1223,
	1711,	1713,	1715,	1716,	1894,
	1895,	1901,	1996,	2354,	2355
MODEL_DIFFUSION	11,	12,	447,	449,	678,
	831,	832,	936,	937,	1285,
	1287,	1433,	1502,	1555,	1936
MODEL_DISPERSION	11,	21,	62,	78,	80,
	198,	449,	575,	576,	682,
	937,	1105,	1106,	1169,	1201,
	1232,	1287,	1354,	1556,	1634,
	1635,	1637,	1811,	1868,	1894,
	1898,	1936,	1937,	2056,	2077,
	2219,	2349,	2402,	2417,	2434
MODEL_EROSION	72,	74,	399,	457,	490,
	497,	498,	505,	523,	597,
	662,	664,	665,	669,	761,
	895,	958,	1632,	1716,	1936,
	2054				
MODEL_FISH	62,	64,	70,	88,	89,
	310,	331,	332,	334,	616,
	907,	958,	1076,	1250,	1369,
	1601,	2219,	2274,	2286,	2303,
	2304				
MODEL_GROUNDWATER	252,	288,	512,	517,	1113,
	1174,	1327,	1372		
MODEL_HYDROLOGY	74,	88,	89,	92,	114,
	131,	252,	267,	288,	368,
	388,	389,	512,	517,	523,
	673,	830,	831,	832,	895,
	958,	1174,	1372,	1376,	1377,
	1433,	1524,	1582,	1595,	1596,
	1665,	1666,	1669,	1674,	2022,
	2199,	2363,	2426		
MODEL_ICE	11,	12,	86,	88,	89,
	358,	958,	1232,	1510,	1666,
	1741,	1742,	2426		
MODEL_INORGANICS	11,	12,	62,	64,	88,
	89,	92,	114,	245,	287,

MODEL_INORGANICS (continued)	309,	310,	328,	331,	332,
	335,	336,	386,	434,	616,
	639,	640,	710,	875,	958,
	1105,	1106,	1159,	1160,	1183,
	1201,	1223,	1250,	1300,	1524,
	1568,	1580,	1709,	1711,	1713,
	1715,	1716,	1717,	1824,	1834,
	1868,	1894,	1895,	1901,	1936,
	1952,	2219,	2286,	2354,	2355
MODEL_INSTITUTIONS	310,	511,	864,	1355,	2199
MODEL_LAKE EFFECT	470,	532,	710,	1155,	1156,
	1157,	1300,	1423,	1498,	2030,
	2031,	2349			
MODEL_LAKE LEVELS (S: lake_levels_model)					
MODEL_METALS	64,	92,	386,	710,	958,
	1159,	1160,	1223,	1250,	1524,
	1709,	1713,	1715,	1716,	1894,
	1895,	1901,	1936,	2286,	2354,
	2355				
MODEL_NUTRIENTS	88,	89,	92,	245,	287,
	310,	328,	331,	332,	335,
	336,	434,	616,	639,	640,
	710,	958,	1159,	1183,	1524,
	1568,	1580,	1717,	1824,	1834,
	1936,	1952,	2219		
MODEL_ORGANICS	62,	74,	114,	310,	710,
	958,	1936			
MODEL_PHOSPHORUS (S: phosphorus_model)					
MODEL_PHYTOPLANKTON	62,	64,	70,	88,	89,
	92,	310,	328,	331,	332,
	334,	335,	336,	434,	638,
	639,	640,	958,	1183,	1369,
	1580,	1657,	1717,	1824,	1834,
	1936,	2219,	2274,	2286	
MODEL_POLLUTION (S: pollution_model)					
MODEL_PRECIPITATION	11,	12,	88,	89,	131,
	225,	227,	252,	287,	288,
	309,	386,	450,	470,	512,
	517,	523,	710,	831,	832,
	1174,	1223,	1372,	1376,	1377,
	1498,	1524,	1595,	1666,	1674,
	2022,	2426			
MODEL_RECREATION	533,	1379,	2024		
MODEL_RUNOFF	252,	288,	309,	399,	512,
	517,	523,	697,	831,	832,
	1174,	1371,	1372,	1376,	1377,
	1524,	1595,	1666,	1674,	2426

MODEL_TEMPERATURE	1,	2,	11,	21,	62,
	78,	79,	80,	86,	88,
	89,	92,	198,	200,	201,
	202,	213,	287,	288,	310,
	343,	434,	442,	443,	444,
	445,	447,	448,	470,	512,
	517,	575,	576,	652,	661,
	678,	679,	710,	830,	831,
	832,	875,	935,	936,	938,
	957,	958,	1093,	1106,	1109,
	1135,	1155,	1156,	1157,	1158,
	1160,	1169,	1182,	1183,	1213,
	1223,	1232,	1233,	1280,	1285,
	1287,	1354,	1377,	1423,	1434,
	1438,	1443,	1498,	1505,	1507,
	1510,	1512,	1555,	1556,	1580,
	1582,	1634,	1635,	1637,	1640,
	1741,	1742,	1898,	1939,	2030,
	2031,	2042,	2056,	2072,	2073,
	2077,	2334,	2349,	2434	
MODEL_THERMAL_POLLUTION	1,	2,	62,	64,	79,
	80,	287,	447,	575,	576,
	652,	678,	679,	681,	682,
	683,	957,	1169,	1182,	1233,
	1555,	1556,	1582,	1634,	1635,
	1637,	1811,	1898,	1936,	2056,
	2077,	2219,	2417,	2434	
MODEL_TRANSPORT	11,	12,	21,	78,	88,
	386,	449,	497,	505,	532,
	662,	664,	665,	730,	731,
	761,	875,	1105,	1106,	1109,
	1232,	1285,	1287,	1300,	1354,
	1674,	1894,	1895,	1901,	1936,
	1996,	2054,	2402		
MODEL_WATER_BUDGET	131,	252,	288,	512,	517,
	523,	652,	831,	832,	958,
	1174,	1372,	1376,	1377,	1666,
	1668,	2022,	2426		
MODEL_WATER_QUALITY	11,	62,	64,	74,	88,
(SA: pollution_model)	89,	92,	114,	245,	287,
	309,	310,	328,	329,	330,
	332,	333,	334,	335,	336,
	337,	344,	368,	386,	399,
	434,	449,	511,	616,	864,
	875,	958,	1105,	1106,	1159,
	1183,	1250,	1379,	1524,	1568,
	1580,	1657,	1834,	1936,	1937,
	2024,	2199,	2242,	2304,	2363
MODEL_WATER_SUPPLY	523,	1106,	1113,	1372,	1375,
	1379,	1668,	2022		

MODEL_WATER USE	62,	74,	114,	267,	399,
	864,	958,	1113,	1158,	2199,
	2242				
MODEL_WAVES	21,	88,	89,	200,	213,
	395,	397,	437,	442,	443,
	448,	457,	497,	498,	505,
	582,	597,	636,	659,	661,
	662,	664,	665,	673,	730,
	731,	761,	831,	832,	852,
	875,	1233,	1252,	1253,	1255,
	1373,	1434,	1443,	1627,	1628,
	1677,	1737,	2042,	2054,	2334,
	2418				
MODEL_ZOOPLANKTON	64,	70,	88,	89,	92,
	310,	328,	331,	332,	334,
	335,	336,	958,	1369,	1568,
	1824,	1936,	2274,	2286	
MODELING (S: model)					
MOLLUSCA (S: clams; S: snails)					
MOLYBDENUM	1030,	1220,	1718,	1773,	2085
MONITORING_BENTHIC_INVERTEBRATES					
(S: benthic_invertebrates_monitoring)					
MONITORING_BIRDS (S: birds_monitoring)					
MONITORING_EROSION	844,	967,	2104,	2105,	2139a,
	2144,	2145,	2408		
MONITORING_FISH (S: fish_monitoring)					
MONITORING_GROUNDWATER	66,	967,	2272		
MONITORING_INORGANICS	62,	66,	91,	106,	189,
	315,	524,	525,	644,	685,
	835,	836,	844,	862,	947,
	967,	968,	969,	970,	971,
	972,	973,	979,	980,	994,
	999,	1007,	1014,	1026,	1029,
	1038,	1039,	1040,	1079,	1104,
	1336,	1445,	1551,	1558,	1580,
	1639,	1826,	1827,	1828,	1829,
	1960,	2032,	2050,	2170,	2174,
	2178,	2204,	2255,	2258a,	2309,
	2359,	2364,	2385,	2400	
MONITORING_INVERTEBRATES					
(S: invertebrates_monitoring)					
MONITORING_LAKE_LEVELS					
(S: lake_levels_monitoring)					
MONITORING_NUTRIENTS					
(S: nutrients_monitoring)					
MONITORING_ORGANICS					
(S: organics_monitoring)					

MONITORING_PHOSPHORUS
 (S: phosphorus_monitoring)
 MONITORING_PHYTOPLANKTON
 (S: phytoplankton_monitoring)
 MONITORING_POLLUTION
 (S: pollution_monitoring)
 (S: water quality_monitoring)
 MONITORING_RADIOACTIVITY 106, 108, 112, 121, 122,
 123, 189, 644, 685, 972,
 989, 1007, 1020, 1029, 1040,
 1558, 1623, 2204
 MONITORING_RADIONUCLIDES
 (S: radionuclides_monitoring)
 MONITORING_SEA_LAMPREY
 (S: sea Lamprey_monitoring)
 MONITORING_TEMPERATURE 54, 62, 81, 91, 156,
 (SA: monitoring_thermal_pollution) 189, 222a, 313, 315, 607,
 679, 802, 835, 914, 956,
 967, 968, 969, 970, 971,
 972, 973, 979, 980, 990,
 994, 995, 996, 999, 1002,
 1003, 1006, 1008, 1013, 1014,
 1017, 1098, 1318, 1329, 1455,
 1513, 1528, 1551, 1558, 1572,
 1574, 1580, 1636, 1639, 1707,
 1749, 1809, 1821, 1826, 1827,
 1828, 1966, 1967, 1970, 1973,
 1974, 2034, 2036, 2090, 2170,
 2309, 2385
 MONITORING_THERMAL_POLLUTION 54, 62, 81, 108, 118,
 (SA: monitoring_temperature) 164, 266, 313, 315, 382,
 383, 384, 455, 679, 681,
 948, 956, 989, 990, 1002,
 1003, 1005, 1006, 1008, 1009,
 1013, 1014, 1015, 1020, 1021,
 1022, 1023, 1029, 1092, 1329,
 1455, 1528, 1558, 1572, 1574,
 1636, 1658, 1744, 1749, 1750,
 1754, 1821, 1827, 1962, 1966,
 1967, 1973, 1974, 2066, 2090,
 2385, 2390, 2392, 2393, 2400
 MONITORING_TOXICS 524, 835, 836, 837, 862,
 863, 967, 968, 972, 979,
 1029, 1031, 1035, 1039, 1040,
 1142, 1179, 1639, 1827, 1828,
 1829, 2050, 2260, 2263
 MONITORING_WATER_QUALITY
 (S: water quality_monitoring)
 MONITORING_ZOOPLANKTON
 (S: zooplankton_monitoring)

MONTMORILLONITE	325, 1891, 1917
MOONEYE	166, 1399, 2246
MORaine	264, 623, 688, 820, 1119, 1397
MUDMINNOWS	166, 382, 804, 1098, 1399
(SA: cyprinids; SA: minnows)	
MUSKELLUNGE	166, 223, 1399
MYSIS	32, 110, 124, 146, 147,
(SA: invertebrates)	
	171, 183, 518, 585, 656,
	704, 865, 972, 1336, 1368,
	1370, 1381, 1421, 1449, 1653,
	1696, 1697, 1729, 1731, 1743,
	1944, 1948, 2050, 2083, 2223,
	2286, 2289, 2312, 2320, 2415, 2423
NAVIGATION	61, 82, 83, 85, 88,
(SA: mapping navigation)	
(SA: shipping)	
	89, 137, 188, 222a, 293,
	437, 480, 509, 514, 515,
	523, 614, 635, 737, 742,
	744, 748, 755, 765, 766,
	774, 775, 813, 826, 850,
	895, 966a, 984, 985, 1048,
	1049, 1050, 1051, 1052, 1131,
	1132, 1196, 1202, 1203, 1204,
	1206, 1303, 1332, 1348, 1373,
	1389, 1456, 1495, 1525, 1616,
	1671, 1679, 1741, 1742, 1757,
	1760, 1761, 1762, 1763a, 1763b,
	1845, 1847, 1848, 1849, 1850,
	1851, 1852, 1853, 1858, 1885,
	2113, 2124, 2133, 2135, 2141,
	2142, 2143, 2154a, 2229, 2230
NEMATODA	865, 980, 1538
NET BASIN SUPPLY (S: water budget)	
NEUSTON	1350
NICKEL	92, 326, 371, 648, 649,
	686, 798, 815, 955, 967,
	971, 974, 1027, 1137, 1178,
	1220, 1222, 1242, 1418, 1419,
	1609, 1625, 1705, 1706, 1712,
	1718, 1772, 1773, 1827, 1828,
	1829, 1891, 1892, 2085, 2093,
	2135, 2165, 2187, 2221, 2231,
	2287, 2309, 2354, 2356
NITRATE	7, 66, 68, 167, 176,
	189, 237, 287, 375, 912,
	954, 971, 984, 1025, 1104,
	1211, 1340, 1406, 1584, 1672,
	1705, 1706, 1777, 1827, 1829,

NITRATE (continued)	1833, 1834, 1837, 1843, 1844, 1870, 2085, 2093, 2095, 2120, 2135, 2165, 2195, 2219, 2231, 2275, 2364, 2433
NITRITE	189, 237, 287, 1025, 1558, 1584, 1827, 1833, 2085, 2195, 2333, 2433
NITROGEN	9, 20, 69, 91, 92, 100, 102, 152, 175, 178, 184, 287, 325, 328, 332, 335, 336, 371, 421, 431, 548, 577, 610, 650, 702, 765, 870, 871, 911, 947, 1027, 1057, 1165, 1183, 1211, 1315, 1316, 1340, 1363, 1400, 1411, 1435, 1580, 1584, 1647, 1705, 1706, 1730, 1743, 1771, 1824, 1829, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1843, 1905, 2002, 2005, 2017, 2018, 2055, 2063, 2085, 2093, 2132, 2135, 2160, 2165, 2167, 2175, 2187, 2189, 2190, 2195, 2205, 2231, 2251, 2252, 2255, 2329, 2364, 2400, 2436
NITROGEN FIXATION	69, 431, 1315, 1316, 2005, 2055, 2251, 2252
NONPOINT SOURCE	106, 301, 398, 399, 524, 577, 583, 596, 646, 707, 708, 763, 877, 967, 984, 1029, 1030, 1036, 1040, 1054, 1056, 1057, 1058, 1089, 1137, 1139, 1210, 1290, 1410, 1457, 1462, 1464, 1465, 1466, 1558, 1703, 1704, 1796, 1862, 1884, 1896, 1901, 1996, 2190, 2205, 2289, 2296, 2298, 2354, 2355, 2356, 2431
NORTHERN PIKE	166, 220, 223, 967, 1098, 1399, 1585, 1828, 2265, 2279, 2281, 2323, 2373
NORTHERN REDHORSE (S: redhorse)	
NUTRIENTS (SA: specific nutrients)	
NUTRIENTS	63, 180, 287, 710, 1027, 1029, 1040, 1129, 1210, 1462, 1463, 1464, 1465, 1466, 1558, 1619, 1806, 2013
ATMOSPHERIC_DEPOSITION/TRANSPORT	
NUTRIENTS_BENTHIC_INVERTEBRATES	
(S: benthic_invertebrates_nutrients)	

NUTRIENTS_CYCLING	110, 113, 310, 332, 417, 958, 1027, 1235, 1520, 1559, 1561, 1562, 1563, 1717, 1719, 1743, 1778, 1952, 2020, 2085, 2353
NUTRIENTS_DEPOSITION	63, 180, 710, 1027, 1029, 1210, 1431, 1462, 1464, 1465, 1466, 1559, 1562, 1796, 2013
NUTRIENTS_DISCHARGE	110, 113, 181, 245, 312, 431, 434, 577, 711, 931, 973, 974, 979, 984, 1014, 1037, 1040, 1057, 1059, 1183, 1210, 1211, 1236, 1462, 1524, 1558, 1580, 1795, 1796, 1797, 1826, 1827, 1828, 1833, 1839, 1870, 1936, 1956, 1977, 2155, 2160, 2175, 2186, 2187, 2189, 2192, 2197, 2198, 2207, 2208, 2209, 2210, 2211, 2212, 2254, 2333, 2385, 2400, 2421
NUTRIENTS_INVERTEBRATES (S: invertebrates_nutrients)	
NUTRIENTS_LOADING	92, 113, 177, 180, 184, 208, 287, 328, 335, 336, 392, 434, 616, 650, 701, 765, 768, 947, 1029, 1037, 1038, 1040, 1057, 1058, 1129, 1159, 1210, 1235, 1236, 1462, 1463, 1464, 1465, 1466, 1524, 1568, 1580, 1650, 1706, 1779, 1795, 1796, 1827, 1828, 1833, 1936, 1953, 1956, 1976, 1977, 2002, 2018, 2055, 2132, 2155, 2160, 2186, 2187, 2189, 2192, 2197, 2198, 2205, 2207, 2208, 2209, 2210, 2211, 2212, 2254, 2276, 2368, 2431, 2433
NUTRIENTS_MASS BALANCE	1463, 1524, 2085
NUTRIENTS_MODEL (S: model_nutrients)	
NUTRIENTS_MONITORING	66, 91, 189, 835, 947, 969, 971, 973, 979, 980, 1014, 1029, 1038, 1039, 1040, 1104, 1558, 1580, 1639, 1826, 1827, 1828, 1829, 2032, 2255, 2258a, 2359, 2385, 2400
NUTRIENTS_PHYTOPLANKTON (S: phytoplankton_nutrients)	
NUTRIENTS_POLLUTION	63, 66, 68, 92, 100, (SA: nutrients_water quality) 102, 110, 113, 124, 152,

NUTRIENTS_POLLUTION (continued)	154,	174,	175,	178,	180,
	181,	182,	184,	207,	208,
	245,	246,	287,	310,	312,
	328,	347,	431,	434,	468,
	474,	534,	577,	616,	628,
	650,	702,	710,	711,	765,
	768,	794,	826,	910,	931,
	947,	958,	969,	971,	973,
	974,	979,	980,	984,	1014,
	1027,	1029,	1030,	1037,	1038,
	1039,	1040,	1056,	1057,	1058,
	1059,	1111,	1183,	1207,	1210,
	1211,	1212,	1234,	1235,	1259,
	1316,	1340,	1411,	1462,	1463,
	1464,	1465,	1466,	1520,	1524,
	1558,	1580,	1619,	1639,	1644,
	1645,	1647,	1706,	1779,	1795,
	1796,	1797,	1806,	1827,	1828,
	1829,	1834,	1836,	1857,	1870,
	1926,	1936,	1953,	1956,	1976,
	2002,	2012,	2013,	2032,	2055,
	2085,	2132,	2155,	2160,	2175,
	2186,	2187,	2189,	2192,	2197,
	2198,	2201,	2205,	2207,	2208,
	2209,	2210,	2211,	2212,	2219,
	2250,	2254,	2255,	2258a,	2258b,
	2322,	2324,	2333,	2368,	2385,
	2400,	2421,	2422,	2431	
NUTRIENTS_RESIDENCE TIME	1159,	1952			
NUTRIENTS_SEASONAL VARIATION	9,	20,	92,	328,	639,
	640,	911,	979,	980,	1730,
	1777,	1795,	1796,	1840,	1952,
	2085,	2165,	2251		
NUTRIENTS_SEDIMENTS	66,	92,	110,	113,	207,
	208,	418,	434,	577,	702,
	765,	768,	826,	931,	958,
	974,	980,	1027,	1057,	1159,
	1183,	1235,	1411,	1431,	1435,
	1558,	1559,	1561,	1563,	1717,
	1719,	1778,	1796,	1826,	1827,
	1828,	1833,	1837,	1857,	1870,
	1936,	1953,	1976,	1977,	2085,
	2143,	2189,	2368,	2400	
NUTRIENTS_TRANSPORT	88,	979,	984,	1027,	1029,
	1411,	1563,	1806,	1936,	2085,
	2189				
NUTRIENTS_UPTAKE	63,	181,	237,	639,	640,
	702,	1235,	1236,	1520,	1777,
	1841,	1956,	2275,	2421	
NUTRIENTS_WATER QUALITY	5,	9,	63,	66,	68,
(SA: nutrients_pollution)	88,	89,	91,	92,	97,
	100,	110,	124,	152,	154,

NUTRIENTS_WATER QUALITY (continued)	172,	174,	175,	176,	177,
	178,	180,	181,	182,	186,
	189,	207,	208,	245,	246,
	287,	310,	328,	332,	335,
	336,	418,	432,	434,	474,
	534,	548,	616,	628,	650,
	677,	698,	699,	700,	701,
	702,	711,	765,	768,	794,
	805,	826,	870,	871,	910,
	913,	931,	947,	958,	969,
	971,	973,	974,	979,	980,
	984,	1014,	1027,	1029,	1030,
	1037,	1038,	1039,	1040,	1056,
	1057,	1058,	1059,	1104,	1111,
	1159,	1183,	1207,	1210,	1211,
	1212,	1234,	1235,	1236,	1340,
	1406,	1462,	1463,	1524,	1558,
	1568,	1580,	1584,	1619,	1639,
	1644,	1645,	1647,	1650,	1705,
	1706,	1743,	1795,	1796,	1797,
	1826,	1827,	1828,	1829,	1833,
	1834,	1836,	1840,	1841,	1870,
	1936,	1976,	1977,	2002,	2012,
	2013,	2015,	2018,	2020,	2055,
	2064,	2085,	2132,	2155,	2160,
	2165,	2167,	2175,	2186,	2187,
	2189,	2192,	2197,	2198,	2201,
	2205,	2207,	2208,	2209,	2210,
	2211,	2212,	2241c,	2249,	2250,
	2254,	2255,	2258a,	2258b,	2270,
	2275,	2287,	2305,	2322,	2324,
	2333,	2359,	2385,	2400,	2433

NUTRIENTS_ZOOPLANKTON

(S: zooplankton_nutrients)

ODONATA	967
OIL	189, 400, 453, 529, 549,
(SA: hydrocarbons)	635, 740, 754, 861, 952,
(SA: water quality_oil)	970, 1090, 1107, 1165, 1175,
	1211, 1354, 1392, 1415, 1416,
	1558, 1705, 1706, 1713, 1887,
	2085, 2095, 2120, 2135, 2190,
	2201, 2354, 2356, 2405
OLIGOCHAETA	23, 24, 25, 107, 110,
	113, 120, 174, 178, 185,
	418, 468, 612, 725, 817,
	845, 865, 893, 894, 926,
	927, 928, 929, 932, 933,
	934, 967, 972, 974, 976,
	977, 980, 994, 1019, 1144,
	1381, 1401, 1448, 1449, 1450,
	1451, 1452, 1585, 1648, 1649,
	1651, 1655, 1727, 1740, 1743,

OLIGOCHAETA (continued)	1826, 1837, 1935, 1936, 2007, 2008, 2167, 2189, 2231, 2270
OLIGOTROPHIC	25, 174, 392, 932, 1259,
(SA: trophic conditions)	1462, 1539, 1790, 1926, 2001
ORGANIC CARBON	110, 120, 138, 325, 375, 381, 421, 610, 686, 765, 798, 1014, 1025, 1027, 1057, 1104, 1123, 1178, 1219, 1221, 1227b, 1354, 1400, 1584, 1609, 1652, 1654, 1771, 1772, 1782, 1857, 1891, 1892, 1905, 1936, 2007, 2018, 2085, 2231, 2258a
ORGANIC MATTER	154, 418, 612, 715, 1027, 1168, 1220, 1222, 1342, 1344, 1350, 1418, 1649, 1725, 1728, 1729, 1730, 1732, 1819, 1905, 2167, 2250
ORGANICS (SA: specific compounds)	
(SA: hydrocarbons, not chlorinated)	
(SA: toxics)	
ORGANICS ATMOSPHERIC DEPOSITION/.....	33, 95, 524, 525, 635,
LOADING/TRANSPORT	710, 885, 886, 1027, 1029, 1036, 1040, 1139, 1222, 1558, 2352
ORGANICS_BENTHIC_INVERTEBRATES	
(S: benthic_invertebrates_organics)	
ORGANICS_BIOACCUMULATION	
(S: bioaccumulation_organics)	
ORGANICS_BIRDS (S: birds_organics)	
ORGANICS_CYCLING	310, 958, 1027, 2085, 2352
ORGANICS_DECOMPOSITION	2189
ORGANICS_DEGRADATION	1122, 1345, 1523
(SA: biotransformation)	
ORGANICS_DEPOSITION	635, 710, 967, 1027, 1029,
(SA: organics_atmospheric)	1222, 1625, 2352
ORGANICS_DISCHARGE	
(S: discharge_organics)	
ORGANICS_DISPERSION	
(S: dispersion_organics)	
ORGANICS_DISTRIBUTION	95, 522, 571, 721, 754, 765, 835, 836, 837, 1219, 1222, 1272, 1625, 1706, 1827, 1936, 2050, 2215, 2323
ORGANICS_EFFLUENT (S: effluent_organics)	
ORGANICS_FISH	
(S: fish_organics)	

ORGANICS_FLUX 33
 (SA: organics_cycling)
 ORGANICS_INVERTEBRATES
 (S: invertebrates_organics)
 ORGANICS_LOADING 106, 208, 524, 525, 531,
 571, 753, 765, 768, 800,
 885, 886, 1029, 1036, 1037,
 1038, 1040, 1053, 1057, 1058,
 1089, 1139, 1706, 1827, 1828,
 1936, 1953, 2160, 2186, 2187,
 2189, 2192, 2197, 2198, 2205,
 2207, 2208, 2209, 2210, 2211,
 2212, 2259, 2260, 2264, 2331,
 2368
 ORGANICS_MASS BALANCE (S: mass balance)
 ORGANICS_MODEL
 (S: model_organics)
 ORGANICS_MONITORING 62, 66, 106, 189, 524,
 525, 835, 836, 837, 844,
 863, 967, 968, 971, 972,
 973, 979, 980, 1026, 1029,
 1038, 1039, 1040, 1079, 1142,
 1179, 1558, 1826, 1827, 1828,
 1829, 2050, 2174, 2178, 2258a,
 2260, 2263
 ORGANICS_PHYTOPLANKTON
 (S: phytoplankton_organics)
 ORGANICS_RESIDENCE TIME 1222, 2352
 ORGANICS_REVIEW
 (S: review_organics)
 ORGANICS_SEDIMENTS 66, 95, 106, 207, 208,
 471, 524, 525, 577, 580,
 721, 762, 765, 768, 826,
 887, 958, 962a, 967, 972,
 974, 980, 1027, 1057, 1089,
 1139, 1179, 1219, 1222, 1345,
 1346, 1392, 1523, 1558, 1625,
 1770, 1825, 1826, 1827, 1828,
 1892, 1935, 1936, 1953, 2085,
 2189, 2260, 2368
 ORGANICS_SUMMARY
 (S: summary_organics)
 ORGANICS_TRANSPORT 95, 524, 967, 979, 1027,
 1029, 1222, 1936, 2085, 2189
 ORGANICS_UPTAKE 1142, 1308, 1691, 2261
 (SA: bioaccumulation_organics)
 ORGANICS_WATER QUALITY
 (S: water quality_organics)

ORGANICS_ZOOPLANKTON
 (S: zooplankton_organics)

ORGANOCHLORINE PESTICIDES 31, 66, 67, 93, 223,
 (SA: specific pesticides) 522, 524, 610, 627, 635,
 (SA: pesticides) 786, 835, 836, 837, 863,
 885, 886, 887, 967, 968,
 971, 972, 973, 974, 1026,
 1027, 1037, 1039, 1057, 1083,
 1089, 1114, 1115, 1142, 1143,
 1179, 1219, 1230, 1231, 1272,
 1276, 1277, 1308, 1345, 1346,
 1351, 1484, 1487, 1523, 1558,
 1591, 1625, 1630, 1641, 1672,
 1673, 1690, 1691, 1692, 1693,
 1825, 1826, 1827, 1828, 1829,
 1831, 1930, 2050, 2085, 2190,
 2205, 2261, 2262, 2337, 2338,
 2416

OSCILLATIONS 191, 637, 673, 852, 1174,
 (SA: seiche; SA: tides; SA: waves) 1373, 1428, 1434, 1438, 1439,
 1441, 1443, 1628, 1646, 1677,
 1678, 1737, 1813, 2267

OSTRACODA 296, 865, 972

OXYGEN 66, 91, 92, 113, 120,
 124, 151, 152, 167, 172,
 174, 175, 189, 208, 212,
 310, 332, 379, 380, 427,
 431, 434, 468, 474, 612,
 616, 631, 650, 702, 724,
 765, 800, 835, 933, 934,
 952, 958, 967, 972, 974,
 994, 995, 996, 999, 1011,
 1012, 1014, 1025, 1030, 1037,
 1038, 1039, 1057, 1058, 1104,
 1144, 1165, 1175, 1183, 1212,
 1325, 1340, 1401, 1418, 1431,
 1432, 1435, 1558, 1580, 1644,
 1645, 1705, 1706, 1795, 1826,
 1827, 1828, 1833, 1834, 1837,
 1936, 1977, 1982, 2037, 2085,
 2093, 2095, 2120, 2135, 2165,
 2175, 2187, 2189, 2190, 2195,
 2201, 2231, 2250, 2258, 2270,
 2275, 2333, 2364, 2376, 2377,
 2379, 2400

PACIFIC SALMON 1399, 1565, 1702
 (SA: chinook salmon)
 (SA: coho salmon)
 (SA: salmon)

PADDLEFISH 166, 1399

PAHS (SA: specific compounds)..... 1030

PALEOCLIMATOLOGY	482, 688, 833, 1187, 1188,
(SA: climate)	1189, 1190, 1790
PALEOECOLOGY	110, 304, 308, 482, 671,
(SA: fossils; SA: glacial;	672, 688, 795, 796, 833,
SA: history)	1102, 1130, 1187, 1227a, 1496,
	1561, 1562, 1720, 2414
PALEONTOLOGY	220, 296, 1399, 2057
PALYNOLOGY (S: pollen)	
PARASITES_FISH (S: fish_parasites)	
PARASITES_SNAILS	150
PARKS (SA: recreation)	557, 751, 1042, 1085
PARTICULATES (S: particles)	
PARTICLES	14, 16, 18, 33, 138,
	303, 359, 371, 532, 550,
	583, 589, 596, 646, 667,
	709, 710, 718, 721, 861,
	934, 1109, 1201, 1218, 1285,
	1290, 1293, 1294, 1300, 1311,
	1334, 1342, 1350, 1462, 1553,
	1563, 1608, 1652, 1719, 1728,
	1729, 1774, 1894, 1895, 1901,
	1903, 1904, 2045, 2095, 2289,
	2293, 2295, 2296, 2297, 2298,
	2355, 2364
PARTICLES_FLUX	33, 583, 589, 596, 1719,
	2298
PARTICLES_TRANSPORT	18, 303, 532, 646, 667,
	718, 1109, 1218, 1285, 1290,
	1293, 1294, 1300, 1311, 1334,
	1563, 1608, 1894, 1895, 1701,
	1903, 2289
PARTICLE SIZE (S: grain size)	
PCBS_ATMOSPHERIC_DEPOSITION/LOADING	95, 524, 635, 1027, 1040,
	1139, 1558
PCBS_BIOTA	31, 66, 67, 93, 95,
	207, 208, 263, 522, 524,
	610, 627, 635, 643, 719,
	765, 835, 836, 837, 951,
	967, 974, 1026, 1027, 1037,
	1039, 1040, 1061, 1139, 1179,
	1217, 1237, 1484, 1487, 1558,
	1673, 1825, 1826, 1827, 1828,
	1930, 2205, 2259, 2261, 2262,
	2265, 2310, 2337, 2338, 2416
PCBS_CYCLING	1027, 2085
PCBS_DEPOSITION	635, 967, 1027, 1625
PCBS_DISCHARGE (S: discharge_PCBs)	

PCBS_LOADING	208,	524,	571,	765,	768,
	1037,	1040,	1057,	1139,	1827,
	1828,	2205,	2259,	2260,	2264
PCBS_MASS BALANCE	2085				
PCBS_SEDIMENTS	66,	95,	207,	208,	524,
	580,	721,	762,	765,	768,
	967,	974,	1027,	1057,	1139,
	1179,	1558,	1625,	1825,	1826,
	1827,	1828,	2085,	2260	
PCBS_TRANSPORT	95,	524,	967,	1027,	2085
(SA: organics_transport)					
PCBS_TRIBUTARIES					
(S: tributaries_PCBs)					
PEAT	672,	740,	1102,	1188,	1191,
	1997				
PELECYPODA (S: clams)					
PERCH	93,	166,	197,	223,	261,
	262,	273,	311,	382,	392,
	428,	545,	546,	551,	553,
	555,	619,	726,	754,	774,
	775,	803,	835,	836,	837,
	874,	916,	974,	994,	1000,
	1098,	1125,	1140,	1266,	1267,
	1269,	1399,	1550,	1573,	1575,
	1577,	1578,	1585,	1680,	1684,
	1688,	1689,	1691,	1693,	1752,
	1790,	1825,	1826,	1830,	1886,
	1922,	1926,	1963,	1970,	2009,
	2050,	2065,	2219,	2231,	2236,
	2262,	2265,	2279,	2303,	2304,
	2314,	2322,	2323,	2366	
PERIPHYTON	26,	64,	169,	551,	644,
(SA: specific species,	905,	994,	1005,	1014,	1019,
i.e., Cladophora)	1384,	1492,	1493,	1733,	1743,
	1975,	2014,	2231,	2385,	2400
PESTICIDES	31,	33,	37,	62,	66,
(SA: organochlorine pesticides)	67,	74,	93,	106,	189,
(SA: specific pesticides)	207,	208,	223,	263,	362,
	472,	522,	524,	531,	548,
	577,	610,	627,	635,	721,
	754,	763,	765,	768,	786,
	835,	836,	837,	863,	885,
	886,	887,	923,	967,	968,
	971,	972,	973,	974,	1026,
	1027,	1030,	1037,	1039,	1053,
	1056,	1057,	1061,	1083,	1089,
	1114,	1115,	1142,	1143,	1177,
	1179,	1212,	1217,	1219,	1230,
	1231,	1272,	1276,	1277,	1308,
	1345,	1346,	1351,	1484,	1487,

PESTICIDES (continued)	1523, 1558, 1591, 1625, 1630, 1641, 1672, 1673, 1690, 1691, 1692, 1693, 1825, 1826, 1827, 1828, 1829, 1831, 1930, 1935, 1953, 2050, 2085, 2175, 2186, 2190, 2191, 2192, 2193, 2194, 2197, 2198, 2201, 2205, 2207, 2208, 2209, 2210, 2211, 2212, 2261, 2262, 2323, 2331, 2337, 2338, 2358, 2368, 2416
PETROLEUM	765, 2405
(SA: oil; SA: hydrocarbons)	
PH	9, 66, 91, 113, 124, 189, 237, 325, 375, 871, 954, 967, 968, 969, 970, 971, 972, 973, 974, 979, 980, 996, 1025, 1057, 1099, 1106, 1159, 1160, 1161, 1175, 1211, 1236, 1335, 1400, 1406, 1411, 1435, 1465, 1466, 1558, 1584, 1705, 1706, 1769, 1772, 1777, 1790, 1797, 1826, 1827, 1828, 1829, 1835, 1837, 1839, 1843, 1844, 1936, 1977, 2055, 2085, 2086, 2095, 2120, 2165, 2187, 2190, 2195, 2201, 2231, 2250, 2253, 2258a, 2270, 2275, 2309, 2364, 2377, 2379, 2400, 2433
PHAEOPHYTIN (SA: plant pigments)	237
PHENOLS	189, 765, 800, 967, 968, 969, 971, 972, 974, 979, 980, 1025, 1175, 1211, 1411, 1558, 1641, 1682, 1705, 1706, 1826, 1827, 1828, 1829, 1936, 2085, 2093, 2135, 2165, 2187, 2190, 2195, 2258a, 2258b, 2364
PHOSPHORUS_CYCLING	69, 332, 1027, 1235, 1520, 1778, 1952, 2085, 2221
PHOSPHORUS_DEPOSITION	69, 180, 967, 1027, 1210, 1222, 1462, 1464, 1465, 1466, 1796, 2238, 2329
PHOSPHORUS_DISCHARGE	69, 181, 245, 577, 711, 967, 972, 973, 974, 979, 984, 1014, 1037, 1040, 1057, 1059, 1210, 1211, 1236, 1462, 1558, 1795, 1796, 1797, 1826, 1827, 1828, 1833, 1839, 1936, 1977, 2160, 2175, 2187, 2189, 2190, 2195, 2231, 2238, 2333, 2400, 2421

PHOSPHORUS_LOADING	92,	180,	184,	208,	287,
	328,	335,	336,	616,	650,
	765,	947,	1037,	1038,	1040,
	1057,	1058,	1078,	1129,	1159,
	1210,	1235,	1236,	1462,	1463,
	1464,	1465,	1466,	1568,	1706,
	1779,	1795,	1796,	1827,	1828,
	1833,	1936,	1976,	1977,	2002,
	2018,	2055,	2132,	2160,	2187,
	2189,	2205,	2238,	2276,	2329,
	2431				
PHOSPHORUS_MODEL	88,	89,	92,	245,	287,
	328,	332,	335,	336,	616,
	1159,	1160,	1568,	1824,	1834,
	1936,	1952,	2219		
PHOSPHORUS_MONITORING	66,	91,	189,	947,	967,
	969,	970,	971,	972,	973,
	979,	980,	1014,	1038,	1039,
	1040,	1104,	1558,	1639,	1826,
	1827,	1828,	1829,	2255,	2258a,
	2359,	2364,	2400		
PHOSPHORUS_PHYTOPLANKTON	9,	20,	88,	89,	91,
	92,	102,	152,	175,	176,
	178,	180,	181,	184,	189,
	208,	237,	328,	332,	335,
	336,	375,	468,	577,	610,
	629,	650,	702,	765,	871,
	911,	912,	913,	934,	947,
	962a,	967,	969,	970,	971,
	972,	973,	974,	979,	980,
	984,	1014,	1027,	1129,	1175,
	1234,	1235,	1236,	1340,	1400,
	1465,	1466,	1489,	1520,	1584,
	1644,	1672,	1706,	1777,	1779,
	1795,	1796,	1824,	1826,	1827,
	1828,	1833,	1834,	1835,	1837,
	1838,	1839,	1840,	1841,	1843,
	1936,	1977,	2012,	2017,	2018,
	2055,	2063,	2160,	2189,	2190,
	2219,	2231,	2250,	2251,	2252,
	2255,	2275,	2276,	2400,	2421,
	2422				
PHOSPHORUS_POLLUTION	66,	68,	92,	100,	102,
(SA: phosphorus_water quality)	152,	175,	178,	180,	181,
	184,	208,	245,	246,	287,
	328,	468,	474,	577,	616,
	628,	650,	686,	702,	711,
	765,	826,	947,	962a,	967,
	969,	971,	972,	973,	974,
	979,	980,	984,	1014,	1027,
	1030,	1037,	1038,	1039,	1040,
	1057,	1058,	1059,	1078,	1175,
	1207,	1210,	1211,	1222,	1234,

PHOSPHORUS_POLLUTION (continued) 1235, 1340, 1411, 1462, 1463,
1464, 1465, 1466, 1520, 1558,
1619, 1639, 1644, 1645, 1647,
1706, 1779, 1795, 1796, 1797,
1827, 1828, 1829, 2834, 1836,
1857, 1936, 1976, 2002, 2012,
2055, 2085, 2120, 2132, 2135,
2160, 2175, 2187, 2189, 2190,
2195, 2205, 2219, 2231, 2238,
2250, 2255, 2258a, 2258b, 2333,
2400, 2421, 2422, 2431

PHOSPHORUS_POLLUTION_ABATEMENT 180, 245, 246, 474, 616,
628, 650, 711, 765, 973,
1037, 1059, 1175, 1340, 1463,
1645, 1936, 2055, 2175, 2255

PHOSPHORUS_SEDIMENTS 66, 69, 92, 208, 421,
577, 686, 702, 765, 826,
962a, 967, 1027, 1057, 1159,
1222, 1235, 1411, 1432, 1435,
1558, 1773, 1778, 1796, 1833,
1837, 1857, 1905, 1936, 1976,
1977, 2085, 2093, 2095, 2120,
2135, 2189, 2221, 2231, 2400

PHOSPHORUS_TRANSPORT 88, 967, 979, 984, 1027,
1222, 1411, 1432, 1936, 2085,
2189, 2221

PHOSPHORUS_TRIBUTARIES 9, 66, 92, 178, 180,
208, 421, 650, 947, 967,
974, 984, 1027, 1040, 1057,
1210, 1235, 1462, 1463, 1645,
1779, 1795, 1796, 1797, 1827,
1828, 1833, 1834, 1839, 1905,
1936, 1976, 1977, 2002, 2187,
2189, 2190, 2195, 2205, 2219,
2238, 2250, 2287, 2430, 2431

PHOSPHORUS_UPTAKE 1235, 1236, 1520, 1777, 1841,
2421

PHOSPHORUS_WATER_QUALITY 9, 66, 68, 69, 88,
(SA: phosphorus_pollution) 89, 91, 92, 100, 152,
175, 176, 178, 180, 181,
186, 189, 208, 245, 246,
287, 328, 332, 335, 336,
421, 474, 548, 616, 628,
650, 702, 711, 765, 826,
870, 871, 913, 947, 962a,
967, 969, 970, 971, 972,
973, 974, 979, 980, 984,
1014, 1025, 1027, 1030, 1037,
1038, 1039, 1040, 1057, 1058,
1059, 1078, 1104, 1159, 1161,
1175, 1207, 1210, 1211, 1234,
1235, 1236, 1340, 1406, 1462,

PHOSPHORUS_WATER QUALITY (continued) ...	1463, 1558, 1568, 1584, 1619, 1639, 1644, 1645, 1647, 1705, 1706, 1795, 1796, 1797, 1826, 1827, 1828, 1829, 1833, 1834, 1836, 1840, 1841, 1936, 1976, 1977, 2002, 2012, 2018, 2055, 2085, 2093, 2095, 2120, 2132, 2160, 2165, 2175, 2187, 2189, 2190, 2195, 2205, 2221, 2231, 2238, 2241c, 2250, 2255, 2258a, 2258b, 2275, 2287, 2333, 2359, 2364, 2400
PHOTOSYNTHESIS	9, 148, 196, 237, 431, 434, 638, 639, 640, 934, 1183, 1431, 1539, 1560, 1805, 1807, 1833, 1837, 1844, 2047, 2055, 2275, 2421
PHTHALATES	974, 1825, 1826
PHYSIOGRAPHY	339, 744, 765, 954, 1594, 2102, 2241a, 2241b, 2345
PHYTOFLAGELLATES	719, 1459, 2189, 2276
(SA: dinoflagellates)	
(SA: flagellates)	
PHYTOPLANKTON	
(SA: specific species or taxa)	
PHYTOPLANKTON_ABUNDANCE	20, 32, 102, 104, 105, 115, 128, 152, 174, 347, 375, 392, 427, 465, 468, 481, 629, 694, 698, 720, 871, 910, 911, 934, 994, 1154, 1173, 1194, 1259, 1369, 1459, 1489, 1539, 1560, 1561, 1563, 1564, 1578, 1611, 1717, 1724, 1732, 1733, 1827, 1834, 1837, 1840, 1842, 1843, 1844, 1889, 2010, 2011, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2043, 2055, 2083, 2189, 2249, 2250, 2251, 2322, 2323, 2341, 2343, 2344, 2421
PHYTOPLANKTON_BIOACCUMULATION	106, 427, 428, 1089, 1334, (SA: phytoplankton_uptake) 1338, 1492, 1706, 1725, 1826, 1827, 2190, 2286, 2289, 2424
PHYTOPLANKTON_BIOMASS	720, 911, 1369, 1459, 1561, 1833, 2034, 2276, 2343
PHYTOPLANKTON_CARBON UPTAKE	181, 196, 237, 639, 640, 702, 1001, 1539, 1564, 1777, 1807, 1841, 2275
PHYTOPLANKTON_DECOMPOSITION	641, 1559, 1561, 1562, 1563, 2189

PHYTOPLANKTON_DISTRIBUTION	32,	65,	92,	104,	105,
	110,	115,	116,	117,	128,
	163,	174,	237,	375,	417,
	419,	427,	428,	466,	481,
	629,	698,	765,	835,	871,
	910,	911,	912,	913,	934,
	977,	994,	1001,	1154,	1194,
	1259,	1350,	1369,	1384,	1401,
	1459,	1489,	1539,	1559,	1560,
	1561,	1563,	1578,	1611,	1680,
	1706,	1717,	1724,	1732,	1733,
	1743,	1779,	1827,	1834,	1837,
	1842,	1844,	1884,	1889,	1936,
	1961,	2013,	2014,	2015,	2018,
	2019,	2020,	2021,	2043,	2047,
	2055,	2083,	2219,	2249,	2251,
	2276,	2286,	2289,	2322,	2323,
	2343,	2344,	2424		
PHYTOPLANKTON_FOOD CHAIN	70,	148,	331,	332,	334,
(SA: zooplankton_grazing)	427,	428,	431,	526,	639,
	640,	958,	1027,	1320,	1338,
	1340,	1369,	1794,	1824,	1935,
	1956,	2189,	2274,	2289,	2424
PHYTOPLANKTON_GROWTH	76,	331,	332,	392,	719,
(SA: primary production)	1129,	1234,	1578,	1584,	1838,
	1889,	2063,	2083,	2219,	2252,
	2305,	2421			
PHYTOPLANKTON_HABITAT	32,	431,	976,	977,	1489,
	2014,	2020,	2063,	2138,	2250,
	2323				
PHYTOPLANKTON_LIGHT	9,	638,	934,	1236,	2063,
	2275				
PHYTOPLANKTON_MAPPING					
(S: mapping_phytoplankton)					
PHYTOPLANKTON_METALS	9,	34,	64,	65,	92,
(includes trace metals)	106,	174,	175,	176,	178,
	180,	189,	208,	426,	427,
	428,	610,	644,	765,	958,
	962a,	967,	968,	969,	971,
	972,	973,	974,	980,	994,
	1014,	1027,	1175,	1334,	1336,
	1338,	1400,	1489,	1493,	1584,
	1706,	1725,	1826,	1827,	1828,
	1833,	1884,	1897,	1936,	1977,
	2013,	2160,	2231,	2254,	2286,
	2289,	2293,	2294,	2385,	2400,
	2424				
PHYTOPLANKTON_METABOLISM	148,	1520,	1961,	2005,	2251
PHYTOPLANKTON_MODEL					
(S: model_phytoplankton)					

PHYTOPLANKTON_MONITORING	62,	91,	104,	105,	106,
	116,	117,	128,	163,	189,
	315,	465,	644,	835,	947,
	967,	968,	969,	970,	971,
	972,	973,	979,	980,	994,
	995,	999,	1014,	1336,	1580,
	1611,	1766,	1826,	1827,	1828,
	2034,	2090,	2170,	2255,	2385,
	2400				
PHYTOPLANKTON_MORPHOLOGY	2020,	2021			
PHYTOPLANKTON_NUTRIENTS	5,	9,	20,	88,	89,
	91,	92,	102,	110,	124,
	148,	152,	174,	175,	176,
	178,	180,	181,	182,	184,
	189,	208,	237,	310,	328,
	331,	332,	335,	336,	347,
	375,	392,	417,	431,	434,
	468,	526,	577,	629,	639,
	640,	650,	698,	702,	765,
	805,	835,	871,	910,	911,
	912,	913,	934,	947,	958,
	969,	971,	973,	974,	979,
	980,	984,	1014,	1027,	1129,
	1154,	1183,	1212,	1234,	1235,
	1236,	1259,	1315,	1316,	1340,
	1400,	1431,	1465,	1466,	1489,
	1520,	1561,	1562,	1563,	1580,
	1584,	1644,	1672,	1706,	1717,
	1743,	1777,	1779,	1794,	1795,
	1796,	1824,	1826,	1827,	1828,
	1833,	1834,	1835,	1837,	1838,
	1839,	1840,	1841,	1842,	1843,
	1844,	1889,	1936,	1956,	1977,
	2012,	2013,	2015,	2017,	2018,
	2020,	2047,	2055,	2063,	2064,
	2160,	2167,	2189,	2219,	2249,
	2250,	2251,	2252,	2254,	2255,
	2270,	2275,	2276,	2305,	2322,
	2385,	2400,	2421,	2422	
PHYTOPLANKTON_ORGANICS	62,	106,	189,	208,	310,
	577,	610,	719,	765,	958,
	962a,	967,	968,	971,	972,
	973,	974,	979,	980,	1027,
	1089,	1175,	1212,	1672,	1706,
	1826,	1827,	1828,	1935,	1936,
	2160,	2189,	2190,	2323	
PHYTOPLANKTON_PHOSPHORUS (S: phosphorus_phytoplankton)					
PHYTOPLANKTON_PHYSIOLOGY	65,	427,	1520,	1578,	1826,
	1827,	1828,	1889,	1961,	2190,
	2219				

PHYTOPLANKTON_POPULATIONS	65, 104, 116, 117, 128, 184, 375, 427, 467, 835, 1001, 1194, 1369, 1560, 1724, 1743, 1794, 1842, 2010, 2011, 2015, 2016, 2017, 2018, 2020, 2343
PHYTOPLANKTON_POWER PLANTS (S: power plants, effects on phytoplankton)	
PHYTOPLANKTON_REVIEW (S: review_phytoplankton)	
PHYTOPLANKTON_SEASONAL DISTRIBUTION	115, 1732, 2276
PHYTOPLANKTON_SEASONAL VARIATION	9, 20, 92, 104, 117, 328, 466, 467, 639, 640, 911, 967, 979, 980, 1173, 1560, 1564, 1733, 1743, 1777, 1795, 1796, 1840, 2005, 2251, 2289, 2294
PHYTOPLANKTON_SEDIMENTS	702, 1559, 1561, 1563, 1717, 2014
PHYTOPLANKTON_SORPTION	1212, 1338, 1563, 1897, 2286, 2289, 2293, 2294, 2424
PHYTOPLANKTON_SUCCESSION	308, 392, 1657, 2015
PHYTOPLANKTON_SUMMARY (S: summary_phytoplankton)	
PHYTOPLANKTON_TAXONOMY	481, 1001, 1889, 2047
PHYTOPLANKTON_TEMPERATURE	9, 62, 65, 76, 88, 89, 91, 92, 102, 107, 110, 181, 182, 189, 196, 310, 315, 347, 375, 431, 434, 467, 629, 720, 765, 871, 912, 958, 967, 968, 969, 970, 971, 972, 973, 974, 979, 980, 984, 994, 995, 999, 1014, 1183, 1334, 1390, 1431, 1489, 1509, 1580, 1743, 1777, 1779, 1795, 1807, 1826, 1827, 1828, 1833, 1837, 1842, 1843, 1844, 1870, 1878, 2011, 2016, 2034, 2063, 2083, 2090, 2170, 2190, 2250, 2257, 2270, 2275, 2341, 2366, 2379, 2385, 2422
PHYTOPLANKTON_THERMAL POLLUTION	62, 64, 65, 76, 107, (SA: phytoplankton_temperature) 110, 167, 170, 181, 195, 196, 315, 431, 720, 765, 984, 994, 1001, 1014, 1024, 1027, 1175, 1212, 1334, 1383, 1509, 1578, 1733, 1827, 1936,

PHYTOPLANKTON_THERMAL_POLLUTION	1956, 1961, 1975, 1982, 2011, 2013, 2090, 2190, 2219, 2231, 2322, 2323, 2366, 2385, 2400, 2421, 2422
PHYTOPLANKTON_TOXICS (S: toxics_phytoplankton)	
PHYTOPLANKTON_UPTAKE	181, 196, 237, 427, 639, 640, 644, 1001, 1235, 1236, 1492, 1493, 1520, 1539, 1564, 1725, 1777, 1805, 1807, 1841, 1884, 1897, 1956, 2275, 2286, 2289, 2421
PHYTOPLANKTON_WATER_QUALITY (S: water_quality_phytoplankton)	
PICKEREL	166
PIKE (SA: blue pike)	10, 166, 178, 220, 223, 273, 468, 545, 804, 967, 1098, 1399, 1585, 1683, 1828, 2265, 2279, 2281, 2323, 2366, 2373, 2378
PIKE (SA: northern pike)	
PIKE (SA: walleye)	
PINK SALMON	1565, 2284, 2285
PINK SALMON (SA: salmon; SA: salmonid)	
PIRATE PERCH	1399
PLANT PIGMENTS	237, 375, 912, 1732, 1777
PLANT PIGMENTS (SA: careotinoids)	
PLANT PIGMENTS (SA: chlorophyll)	
PLANT PIGMENTS (SA: phaeophytin)	
PLECOPTERA	1585, 1588
PLEISTOCENE	217, 220, 621, 622, 623, 624, 686, 688, 798, 1027, 1242, 1243, 1244, 1245, 1397, 1399, 1899, 2057, 2273, 2346
PLUTONIUM	13, 14, 15, 16, 17, 18, 65, 583, 589, 590, 596, 828, 1103, 1336, 1338, 1494, 1625, 2286, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2296, 2298, 2301, 2424
POINT SOURCE	106, 114, 164, 168, 180, 195, 245, 246, 266, 301, 303, 305, 314, 317, 318, 384, 386, 407, 408, 411, 434, 455, 577, 593, 605, 679, 681, 683, 684, 711, 714, 718, 800, 967, 968, 974, 975, 979, 984, 1030, 1036, 1037, 1039, 1040, 1057, 1058, 1059, 1090, 1106, 1139, 1179, 1201, 1210, 1211, 1235,

POINT SOURCE (continued)	1236,	1297,	1300,	1354,	1401,
	1462,	1546,	1556,	1558,	1570,
	1571,	1636,	1703,	1707,	1752,
	1753,	1755,	1779,	1789,	1796,
	1804,	1823,	1827,	1828,	1866,
	1867,	1870,	1884,	1935,	1936,
	1938,	1964,	1974,	1976,	1977,
	1982,	2037,	2045,	2077,	2155,
	2187,	2189,	2190,	2200,	2231,
	2254,	2260,	2289,	2333,	2354,
	2356,	2400,	2402,	2434	
POLICY	71,	77,	165,	245,	298,
	299,	300,	301,	373,	377,
	399,	435,	511,	534,	543,
	628,	632,	634,	757,	760,
	762,	766,	773,	790,	846,
	940,	959,	961,	1038,	1040,
	1050,	1051,	1052,	1063,	1113,
	1175,	1205,	1304,	1324,	1544,
	1548,	1645,	1845,	1848,	1982,
	2155,	2230,	2351,	2381,	2440,
	2443,	2444			
POLLEN	625,	1102,	1130,	1189,	1227a,
	1532,	1715,	1716,	2413,	2414
POLLUTANTS (general)	1937,	2402			
(SA: specific compounds)					
POLLUTION (SA: water quality)					
POLLUTION_ABATEMENT	7,	48,	63,	95,	153,
(SA: phosphorus_pollution_abatement)	180,	206,	207,	210,	245,
(SA: pollution_management)	246,	321,	368,	456,	474,
(SA: remedial_action)	479,	511,	614,	616,	628,
(SA: research_needs_pollution_abatement)	650,	711,	724,	735,	752,
	753,	765,	774,	800,	973,
(SA: water_quality_management)	975,	978,	985,	1033,	1037,
	1059,	1063,	1064,	1074,	1108,
	1121,	1144,	1175,	1202,	1203,
	1204,	1206,	1340,	1351,	1364,
	1379,	1380,	1392,	1463,	1554,
	1641,	1642,	1643,	1645,	1888,
	1936,	1982,	2055,	2133,	2155,
	2156,	2173,	2175,	2182,	2185,
	2186,	2188,	2191,	2192,	2193,
	2194,	2197,	2198,	2207,	2208,
	2209,	2210,	2211,	2212,	2255,
	2256,	2257			
POLLUTION_ATMOSPHERIC					
(S: atmospheric_pollution)					
POLLUTION_BACTERIA	66,	92,	175,	244,	319,
(SA: bacteria_water_quality)	329,	330,	333,	337,	453,
	465,	714,	724,	765,	800,
	854,	915,	952,	958,	962a,

POLLUTION_BACTERIA (continued)	967,	968,	969,	971,	972,
	973,	974,	979,	980,	1014,
	1027,	1029,	1030,	1058,	1106,
	1175,	1183,	1312,	1313,	1558,
	1639,	1641,	1644,	1657,	1743,
	1795,	1819,	1820,	1827,	1828,
	1829,	1869,	1870,	1890,	1936,
	1982,	2094,	2096,	2120,	2162,
	2174,	2175,	2178,	2189,	2190,
	2195,	2201,	2205,	2219,	2231,
	2250,	2254,	2255,	2257,	2258a,
	2258b,	2333,	2377,	2400	
POLLUTION_BENTHIC_INVERTEBRATES	62,	64,	92,	107,	110,
(SA: water quality benthic_	113,	152,	169,	170,	174,
invertebrates)	182,	185,	208,	310,	315,
	347,	468,	612,	685,	702,
	703,	725,	765,	861,	885,
	886,	887,	893,	905,	927,
	930,	931,	932,	933,	967,
	969,	972,	974,	980,	1015,
	1020,	1024,	1027,	1030,	1091,
	1092,	1149,	1151,	1220,	1383,
	1401,	1445,	1449,	1452,	1493,
	1528,	1578,	1580,	1743,	1827,
	1935,	1936,	1956,	1961,	2090,
	2189,	2231,	2323,	2366,	2376,
	2379,	2385,	2400		
POLLUTION_CIRCULATION					
(S: circulation_pollution)					
POLLUTION_CURRENTS	12,	21,	114,	182,	198,
	310,	337,	347,	446,	449,
	714,	875,	927,	958,	1105,
	1106,	1221,	1232,	1349,	1354,
	1410,	1639,	1810,	1868,	1870,
	1937,	2085,	2164,	2172,	2189,
	2269,	2376,	2402		
POLLUTION_CYCLING	65,	110,	113,	310,	958,
	1027,	1062,	1235,	1520,	1674,
	2085,	2352,	2429		
POLLUTION_DISPERSION	11,	21,	62,	80,	81,
	167,	198,	342,	449,	575,
	576,	680,	682,	884,	905,
	906,	956,	993,	1105,	1106,
	1149,	1152,	1169,	1201,	1232,
	1286,	1287,	1290,	1294,	1314,
	1329,	1354,	1401,	1493,	1540,
	1556,	1634,	1635,	1636,	1637,
	1748,	1804,	1811,	1821,	1823,
	1868,	1898,	1936,	1937,	2056,
	2077,	2078,	2172,	2203,	2219,
	2269,	2402,	2417,	2434	

POLLUTION_DREDGING	48,	208,	577,	635,	702,
	703,	826,	972,	974,	984,
	1027,	1037,	1038,	1039,	1045,
	1058,	1074,	1165,	1391,	1558,
	1679,	1936,	2094,	2096,	2120,
	2135,	2175,	2189,	2190,	
POLLUTION_EUTROPHICATION	48,	49,	64,	87,	100,
(SA: water quality)	102,	110,	152,	174,	175,
	178,	180,	182,	184,	207,
	208,	310,	312,	347,	468,
	474,	534,	616,	650,	653,
	702,	720,	724,	753,	765,
	893,	910,	931,	932,	933,
	947,	958,	985,	1027,	1037,
	1058,	1210,	1212,	1259,	1334,
	1340,	1383,	1411,	1419,	1449,
	1539,	1543,	1554,	1558,	1619,
	1644,	1645,	1647,	1657,	1795,
	1796,	1827,	1834,	1836,	1926,
	1927,	1935,	1936,	1982,	2002,
	2005,	2012,	2013,	2019,	2094,
	2096,	2160,	2171,	2174,	2176,
	2177,	2178,	2181,	2183,	2184,
	2186,	2196,	2200,	2201,	2214,
	2250,	2254,	2322,	2323,	2324,
	2343,	2431,			
POLLUTION_GROUNDWATER	66,	208,	618,	763,	765,
(SA: water quality_groundwater)	967,	985,	1497,	1616,	1631,
	1890,	2302,	2331,		
POLLUTION_HARBORS	110,	113,	244,	635,	648,
(SA: water quality_harbors)	649,	702,	703,	768,	861,
	915,	955,	972,	992,	1074,
	1105,	1106,	1165,	1220,	1703,
	1706,	1827,	1935,	1936,	2094,
	2096,	2135,	2154b,	2187,	2190,
POLLUTION_HISTORY	110,	166,	174,	178,	182,
(SA: water quality_history)	208,	210,	310,	328,	330,
	382,	390,	537,	592,	614,
	616,	710,	714,	754,	765,
	927,	933,	939,	967,	1027,
	1170,	1351,	1364,	1380,	1524,
	1558,	1583,	1642,	1647,	1713,
	1743,	1926,	1927,	2055,	2238,
	2254,	2323,			
POLLUTION_HYDROCARBONS					
(S: hydrocarbons_pollution)					
POLLUTION_INORGANICS (S: inorganics)					
(S: toxics; S: water quality_inorganics)					
POLLUTION_LOADING	12,	92,	113,	180,	184,
	208,	287,	305,	328,	329,
	330,	386,	434,	524,	531,

POLLUTION_LOADING (continued)	571,	587,	616,	648,	649,
	650,	707,	708,	736,	743,
	753,	765,	768,	800,	885,
	886,	947,	955,	975,	1029,
	1036,	1037,	1038,	1040,	1053,
	1057,	1058,	1078,	1080,	1089,
	1105,	1210,	1216,	1235,	1354,
	1410,	1426,	1462,	1463,	1464,
	1465,	1466,	1493,	1524,	1580,
	1706,	1713,	1779,	1795,	1796,
	1827,	1828,	1862,	1869,	1876,
	1895,	1896,	1901,	1936,	1938,
	1953,	1956,	1976,	2002,	2055,
	2132,	2155,	2160,	2186,	2187,
	2189,	2192,	2197,	2198,	2205,
	2206,	2207,	2208,	2209,	2210,
	2211,	2212,	2238,	2254,	2260,
	2264,	2331,	2354,	2355,	2356,
	2368,	2379,	2431		

POLLUTION_MANAGEMENT	3,	35,	48,	55,	58,
(SA: pollution abatement)	74,	77,	114,	154,	178,
(SA: water quality management)	207,	208,	210,	310,	321,
	368,	398,	399,	436,	479,
	480,	511,	538,	540,	577,
	635,	658,	695,	714,	735,
	736,	737,	742,	752,	753,
	754,	765,	766,	770,	771,
	772,	773,	774,	847,	864,
	958,	962a,	967,	985,	1029,
	1053,	1055,	1056,	1058,	1059,
	1064,	1078,	1121,	1144,	1175,
	1202,	1203,	1204,	1206,	1226,
	1259,	1297,	1313,	1383,	1392,
	1497,	1521,	1544,	1619,	1642,
	1644,	1645,	1681,	1834,	1927,
	1982,	2037,	2055,	2085,	2123,
	2126,	2127,	2128,	2129,	2130,
	2131,	2132,	2133,	2136,	2137,
	2156,	2162,	2173,	2175,	2179,
	2182,	2185,	2186,	2188,	2191,
	2192,	2193,	2194,	2197,	2198,
	2201,	2205,	2207,	2208,	2209,
	2210,	2211,	2212,	2230,	2255,
	2263,	2351			

POLLUTION_METALS
(S: metals_pollution)

POLLUTION_MODEL	1,	2,	11,	12,	21,
(SA: model_water quality)	62,	64,	74,	79,	80,
	92,	114,	198,	245,	287,
	309,	310,	328,	329,	330,
	333,	337,	368,	386,	399,
	434,	447,	449,	511,	532,
	550,	575,	576,	616,	652,

POLLUTION_MODEL (continued)	678,	679,	681,	682,	683,
	710,	864,	875,	957,	958,
	1105,	1106,	1109,	1169,	1182,
	1183,	1201,	1232,	1233,	1285,
	1287,	1300,	1354,	1379,	1426,
	1524,	1555,	1556,	1580,	1582,
	1634,	1635,	1637,	1657,	1674,
	1713,	1811,	1834,	1868,	1895,
	1898,	1901,	1936,	1937,	1996,
	2056,	2077,	2219,	2354,	2355,
	2363,	2402,	2417,	2434	
POLLUTION_MONITORING	3,	54,	62,	66,	81,
(SA: water quality_monitoring)	108,	118,	164,	266,	313,
	315,	382,	383,	384,	455,
	465,	524,	615,	679,	681,
	685,	844,	863,	947,	948,
	956,	967,	968,	969,	971,
	972,	973,	975,	979,	980,
	989,	990,	1002,	1003,	1005,
	1006,	1007,	1008,	1009,	1013,
	1014,	1015,	1020,	1021,	1022,
	1023,	1029,	1031,	1032,	1035,
	1038,	1039,	1040,	1064,	1080,
	1092,	1142,	1179,	1329,	1445,
	1455,	1513,	1528,	1558,	1572,
	1574,	1580,	1636,	1639,	1658,
	1681,	1744,	1749,	1750,	1754,
	1821,	1827,	1828,	1829,	1962,
	1966,	1967,	1973,	1974,	2032,
	2066,	2090,	2174,	2178,	2185,
	2255,	2258a,	2260,	2263,	2383,
	2384,	2385,	2390,	2392,	2393,
	2400				
POLLUTION_OIL	400,	453,	529,	635,	740,
(SA: pollution_hydrocarbons)	754,	861,	952,	1090,	1107,
	1165,	1175,	1211,	1354,	1392,
	1558,	1706,	1713,	2085,	2120,
	2135,	2190,	2201,	2354,	2356
POLLUTION_ORGANICS					
(S: organics; S: toxics)					
(S: water quality_organics)					
POLLUTION_PHOSPHORUS					
(S: phosphorus_pollution)					
POLLUTION_POWER PLANTS					
(S: power plants)					
(S: thermal_pollution)					
POLLUTION_RESIDENCE TIME	309,	1222,	2352,	2354	
POLLUTION_REVIEW					
(S: review_pollution)					
POLLUTION_RUNOFF	48,	68,	309,	362,	399,
	531,	577,	737,	765,	844,

POLLUTION_RUNOFF (continued) 968, 974, 979, 984, 1027,
1040, 1054, 1055, 1056, 1057,
1058, 1089, 1175, 1207, 1210,
1234, 1392, 1497, 1524, 1631,
1674, 1703, 1704, 1796, 1827,
1828, 1862, 1953, 1982, 2127,
2187, 2189, 2205, 2302, 2331,
2352, 2368

POLLUTION_SEASONAL VARIATION 11, 337, 472, 875, 967,
979, 980, 1105, 1109, 1282,
1287, 1294, 1298, 1300, 1795,
1796, 2085

POLLUTION_SEDIMENTS 65, 66, 92, 95, 110,
(SA: sediments_chemistry) 113, 185, 207, 208, 360,
386, 434, 524, 577, 587,
591, 592, 594, 612, 648,
649, 685, 686, 702, 703,
707, 721, 740, 765, 768,
826, 875, 887, 927, 930,
931, 932, 933, 955, 958,
962a, 967, 972, 974, 980,
1027, 1057, 1074, 1089, 1091,
1103, 1149, 1151, 1152, 1165,
1178, 1179, 1183, 1219, 1220,
1221, 1222, 1235, 1334, 1392,
1401, 1410, 1411, 1419, 1445,
1452, 1558, 1625, 1679, 1713,
1718, 1796, 1825, 1827, 1828,
1857, 1870, 1876, 1888, 1892,
1935, 1936, 1953, 1958, 1976,
2085, 2094, 2096, 2120, 2135,
2189, 2231, 2260, 2368, 2379,
2400

POLLUTION_SOURCE (S: point source)
(S: nonpoint source)

POLLUTION_THERMAL (S: thermal_pollution)

POLLUTION_TRANSPORT 11, 12, 21, 65, 95,
386, 398, 425, 446, 449,
524, 532, 591, 612, 646,
708, 875, 877, 967, 979,
984, 1027, 1029, 1062, 1090,
1105, 1106, 1109, 1149, 1151,
1152, 1218, 1221, 1222, 1232,
1283, 1285, 1287, 1288, 1290,
1293, 1294, 1300, 1334, 1354,
1410, 1411, 1674, 1725, 1806,
1810, 1895, 1896, 1901, 1903,
1936, 1996, 2078, 2085, 2189,
2402, 2429

POLLUTION_TRIBUTARIES
(S: tributaries_pollution)

POLLUTION_WASTE (S: waste)				
POLLUTION_WATER SUPPLY	301,	456,	465,	480,
(SA: water quality_water supply)	694,	695,	714,	736,
	752,	765,	766,	967,
	968,	972,	974,	979,
	980,	984,	985,	1106,
	1111,	1202,	1203,	1204,
	1206,	1216,	1324,	1379,
	1521,	1583,	1616,	1641,
	1642,	1643,	1827,	1828,
	1829,	1982,	2053,	2133,
	2182,	2190,	2230,	2255,
	2257,	2258,		
PONTOPOREIA	22,	23,	418,	702,
(SA: Amphipoda)	703,	704,	865,	866,
	887,	905,	1019,	1024,
	1127,	1128,	1220,	1268,
	1336,	1341,	1342,	1368,
	1381,	1427,	1447,	1448,
	1449,	1451,	1452,	1604,
	1699,	1727,	1743,	1837,
	2007,	2044,	2083,	2189,
	2286,	2289,	2312,	2315,
	2320,	2415,	2424,	
PORE WATER	325,	1709,	1771,	1772
(SA: sediment-water interface)				
PORIFERA	32,	980		
POTASSIUM	8,	66,	92,	106,
	138,	174,	178,	180,
	186,	189,	325,	585,
	610,	686,	817,	818,
	839,	1025,	1104,	1159,
	1160,	1161,	1222,	1335,
	1621,	1705,	1706,	1712,
	1718,	1767,	1772,	1773,
	1774,	1857,	1873,	1960,
	1978,	2085,	2095,	2165,
	2187,	2231		
POWER PLANTS_ATMOSPHERIC_POLLUTION	63,	287,	342,	371,
	550,	587,	652,	743,
	883,	941,	1027,	1029,
	1103,	1201,	1287,	1289,
	1297,	1300,	1334,	1558,
	1792,	1806,	2013	
POWER PLANTS_DISCHARGE	51,	64,	79,	80,
(SA: power plants_effluent)	110,	118,	119,	126,
(SA: power plants_radioactivity)	127,	134,	135,	136,
(SA: power plants_radionuclides)	163,	164,	167,	168,
(SA: thermal_plume)	169,	181,	195,	266,
(SA: thermal_pollution)	312,	313,	314,	315,
	317,	318,	342,	384,
	406,	407,	408,	411,
	431,	455,	515,	523,
	528,	552,	575,	576,
	602,	605,	652,	678,
	681,	683,	684,	692,
	807,	895,	905,	906,
	984,	989,	990,	1000,
	1007,	1008,	1009,	1014,
	1020,	1021,	1022,	1023,
	1037,	1051,	1091,	1095,
	1127,	1128,		

POWER PLANTS_DISCHARGE (continued) 1149, 1150, 1152, 1164, 1182,
 1211, 1216, 1246, 1248, 1249,
 1329, 1442, 1445, 1449, 1492,
 1493, 1544, 1546, 1555, 1556,
 1558, 1570, 1571, 1578, 1582,
 1622, 1634, 1635, 1636, 1637,
 1658, 1659, 1660, 1676, 1746,
 1747, 1749, 1752, 1753, 1754,
 1755, 1774, 1804, 1827, 1866,
 1867, 1931, 1936, 1955, 1956,
 1961, 1964, 1965, 1967, 1971,
 1972, 1974, 1975, 2056, 2066,
 2077, 2090, 2186, 2190, 2192,
 2197, 2198, 2200, 2203, 2207,
 2208, 2209, 2210, 2211, 2212,
 2231, 2289, 2333, 2383, 2384,
 2385, 2394, 2395, 2400, 2417,
 2421

POWER PLANTS, EFFECTS ON BIOTA
 (SA: entrainment)
 (SA: impingement)
 (SA: thermal pollution, effects
 on biota)

POWER PLANTS, EFFECTS ON BACTERIA 104, 706, 765, 952, 995,
 1014, 1027, 1029, 1058, 1175,
 1558, 1639, 1827, 1878, 1936,
 1982, 2190, 2201, 2219, 2231,
 2333, 2400, 2428

POWER PLANTS, EFFECTS ON
 BENTHIC_INVERTEBRATES 62, 64, 106, 107, 110,
 116, 117, 128, 163, 169,
 170, 315, 427, 468, 685,
 765, 905, 995, 998, 999,
 1015, 1019, 1020, 1024, 1027,
 1091, 1092, 1127, 1128, 1149,
 1151, 1383, 1444, 1445, 1446,
 1447, 1448, 1449, 1451, 1452,
 1469, 1492, 1493, 1528, 1551,
 1578, 1827, 1878, 1936, 1956,
 1961, 2007, 2090, 2231, 2289,
 2299, 2323, 2366, 2385, 2400

POWER PLANTS, EFFECTS ON FISH 62, 64, 65, 76, 106,
 116, 117, 145, 163, 166,
 167, 169, 170, 188, 195,
 197, 233, 262, 312, 313,
 315, 317, 365, 369, 370,
 382, 383, 384, 385, 405,
 406, 411, 413, 414, 415,
 416, 427, 428, 431, 468,
 480, 545, 551, 553, 602,
 614, 619, 644, 685, 754,
 765, 808, 905, 952, 999,
 1000, 1004, 1012, 1016, 1024,

POWER PLANTS, EFFECTS ON FISH 1027, 1037, 1052, 1058, 1095,
 (continued) 1096, 1097, 1098, 1133, 1170,
 1176, 1202, 1206, 1248, 1249,
 1309, 1310, 1351, 1383, 1396,
 1449, 1455, 1469, 1470, 1471,
 1472, 1492, 1493, 1528, 1545,
 1549, 1550, 1551, 1552, 1570,
 1571, 1572, 1573, 1574, 1575,
 1577, 1578, 1658, 1659, 1660,
 1676, 1744, 1745, 1746, 1747,
 1749, 1750, 1751, 1752, 1753,
 1754, 1755, 1827, 1873, 1886,
 1954, 1955, 1956, 1957, 1958,
 1959, 1961, 1962, 1963, 1964,
 1965, 1966, 1967, 1968, 1969,
 1970, 1971, 1972, 1973, 1974,
 1979, 2051, 2062, 2066, 2090,
 2149, 2150, 2151, 2152, 2190,
 2219, 2231, 2234, 2289, 2300,
 2322, 2323, 2366, 2385, 2400,
 2427

POWER PLANTS, EFFECTS ON
 INVERTEBRATES 62, 64, 65, 106, 107,
 110, 116, 117, 128, 163,
 167, 169, 170, 181, 190,
 195, 197, 315, 427, 428,
 431, 468, 551, 619, 620,
 644, 685, 765, 801, 905,
 995, 998, 999, 1006, 1015,
 1018, 1019, 1020, 1024, 1027,
 1091, 1092, 1127, 1128, 1149,
 1151, 1358, 1374, 1383, 1444,
 1445, 1446, 1447, 1448, 1449,
 1451, 1452, 1469, 1492, 1493,
 1528, 1551, 1578, 1725, 1827,
 1878, 1883, 1936, 1956, 1961,
 2003, 2007, 2090, 2219, 2231,
 2289, 2299, 2322, 2323, 2366,
 2385, 2400

POWER PLANTS, EFFECTS ON PERIPHYTON 26, 64, 169, 551, 644,
 905, 1005, 1014, 1019, 1492,
 1493, 1733, 1975, 2231, 2385,
 2400

POWER PLANTS, EFFECTS ON
 PHYTOPLANKTON 62, 64, 65, 76, 104,
 105, 106, 107, 110, 115,
 116, 117, 128, 163, 167,
 170, 181, 195, 196, 315,
 427, 428, 431, 468, 644,
 720, 765, 984, 995, 999,
 1001, 1014, 1024, 1027, 1175,
 1212, 1334, 1383, 1492, 1493,
 1578, 1725, 1733, 1827, 1878,

POWER PLANTS, EFFECTS ON PHYTOPLANKTON (continued)	1936, 1956, 1961, 1975, 1982, 2013, 2090, 2190, 2219, 2231, 2289, 2322, 2323, 2366, 2385, 2400, 2421, 2422
POWER PLANTS, EFFECTS ON PSAMMON	103, 1883
POWER PLANTS, EFFECTS ON ZOOPLANKTON ...	64, 65, 106, 107, 110, 116, 117, 128, 163, 167, 170, 181, 190, 195, 197, 315, 427, 428, 431, 619, 620, 765, 801, 995, 999, 1006, 1014, 1018, 1019, 1024, 1027, 1358, 1374, 1383, 1452, 1578, 1725, 1936, 1956, 1961, 2003, 2090, 2231, 2289, 2322, 2323, 2366, 2385, 2400
POWER PLANTS_EFFLUENT	62, 64, 163, 164, 168, (SA: power_plants_discharge) 195, 312, 314, 317, 318, 384, 407, 408, 528, 605, 644, 678, 679, 680, 681, 683, 685, 692, 905, 984, 989, 1009, 1021, 1022, 1023, 1164, 1169, 1334, 1449, 1556, 1570, 1571, 1578, 1634, 1635, 1636, 1637, 1821, 1866, 1867, 1955, 1956, 1964, 1973, 1974, 1975, 2056, 2078, 2190, 2200, 2333, 2421, 2422, 2434
POWER PLANTS_ENGINEERING	45, 64, 76, 165, 405, 406, 413, 414, 415, 416, 480, 551, 552, 554, 614, 1075, 1152, 1413, 1460, 1461, 2059, 2190
POWER PLANTS_HYDROELECTRIC	1309, 1310, 2087
POWER PLANTS_INORGANICS	14, 18, 62, 63, 64, 65, 106, 110, 145, 181, 287, 312, 315, 371, 407, 427, 428, 431, 468, 587, 590, 644, 685, 706, 743, 753, 754, 765, 807, 952, 984, 999, 1007, 1011, 1014, 1027, 1029, 1037, 1058, 1103, 1127, 1128, 1175, 1201, 1211, 1212, 1300, 1334, 1392, 1445, 1449, 1492, 1493, 1546, 1551, 1558, 1609, 1622, 1639, 1725, 1733, 1774, 1806, 1827, 1836, 1866, 1867, 1873, 1936, 1956, 1957, 1958, 1959, 1968, 1979, 2013, 2186, 2190, 2192, 2197, 2198, 2201, 2207, 2208, 2209, 2210, 2211, 2212, 2219, 2231,

POWER PLANTS_INORGANICS (continued)	2289, 2299, 2322, 2324, 2333, 2385, 2400, 2421, 2422
POWER PLANTS_LAKE LEVELS	188, 515, 523, 614, 736, 744, 754, 765, 895, 1027, 1047, 1051, 1052, 1075, 1132, 1149, 1151, 1176, 1309, 1310, 1389, 1558, 1616, 1879
POWER PLANTS_MANAGEMENT	55, 165, 1047, 1204, 1297, 1544
POWER PLANTS_METEOROLOGY	62, 63, 79, 110, 125, 134, 135, 136, 188, 287, 342, 480, 523, 679, 680, 681, 692, 765, 941, 957, 984, 1017, 1051, 1052, 1287, 1297, 1300, 1334, 1616, 1792, 1827, 1931
POWER PLANTS_MONITORING_BACTERIA	104, 995, 1014, 1029, 1558, 1639, 1766, 1827, 2400
POWER PLANTS_MONITORING BIOTA	26, 54, 62, 104, 105, 106, 108, 112, 116, 117, 119, 121, 122, 123, 126, 127, 128, 163, 164, 266, 313, 315, 369, 370, 382, 383, 384, 644, 681, 685, 948, 989, 995, 999, 1004, 1005, 1006, 1014, 1015, 1016, 1019, 1020, 1021, 1029, 1092, 1097, 1098, 1133, 1358, 1445, 1446, 1447, 1448, 1455, 1469, 1471, 1528, 1549, 1551, 1558, 1572, 1573, 1574, 1575, 1577, 1639, 1658, 1744, 1749, 1750, 1754, 1827, 1883, 1886, 1954, 1962, 1966, 1967, 1970, 1973, 1974, 2007, 2046, 2066, 2090, 2234, 2385, 2390, 2392, 2393, 2400
POWER PLANTS_MONITORING_CURRENTS	125, 679, 1017, 1558, 1636, 1639, 2400
POWER PLANTS_MONITORING_FISH	62, 106, 116, 117, 163, 313, 315, 369, 370, 382, 383, 384, 644, 685, 999, 1004, 1016, 1097, 1098, 1133, 1455, 1469, 1471, 1528, 1549, 1551, 1572, 1573, 1574, 1575, 1577, 1658, 1744, 1749, 1750, 1754, 1827, 1886, 1954, 1962, 1966, 1967, 1970, 1973, 1974, 2066, 2090, 2234, 2385, 2400
POWER PLANTS_MONITORING_HYDROLOGY	118
POWER PLANTS_MONITORING_ICE	119, 126, 127

POWER PLANTS_MONITORING_INORGANICS	62,	106,	315,	644,	685,
	999,	1007,	1014,	1029,	1445,
	1551,	1558,	1639,	1827,	2385,
	2400				
POWER PLANTS_MONITORING_INVERTEBRATES ..	62,	106,	116,	117,	128,
	163,	315,	644,	685,	995,
	999,	1006,	1015,	1019,	1020,
	1092,	1358,	1445,	1446,	1447,
	1448,	1469,	1528,	1551,	1827,
	1883,	2007,	2090,	2385,	2400
POWER PLANTS_MONITORING_PERIPHYTON	26,	644,	1005,	1014,	1019,
	2385,	2400			
POWER PLANTS_MONITORING_PHYTOPLANKTON ..	62,	104,	105,	106,	116,
	117,	128,	163,	315,	644,
	995,	999,	1014,	1827,	2090,
	2385,	2400			
POWER PLANTS_MONITORING_TEMPERATURE	54,	62,	81,	313,	315,
(SA: power_plants_monitoring_	679,	956,	990,	995,	996,
thermal_pollution)	999,	1002,	1003,	1006,	1008,
	1013,	1014,	1017,	1098,	1329,
	1455,	1528,	1551,	1558,	1572,
	1574,	1636,	1639,	1749,	1821,
	1827,	1966,	1967,	1970,	1973,
	1974,	2090,	2385		
POWER PLANTS_MONITORING_THERMAL_					
POLLUTION	54,	62,	81,	108,	118,
(SA: power_plants_monitoring_	119,	126,	127,	164,	266,
temperature)	313,	315,	382,	383,	384,
	455,	679,	681,	948,	956,
	989,	990,	1002,	1003,	1005,
	1006,	1008,	1009,	1013,	1014,
	1015,	1020,	1021,	1022,	1023,
	1029,	1092,	1329,	1455,	1528,
	1558,	1572,	1574,	1636,	1658,
	1744,	1749,	1750,	1754,	1821,
	1827,	1962,	1966,	1967,	1973,
	1974,	2066,	2090,	2385,	2390,
	2392,	2393,	2400		
POWER PLANTS_MONITORING_WATER QUALITY ..	26,	54,	62,	106,	108,
	112,	116,	118,	119,	121,
	122,	123,	126,	127,	128,
	163,	164,	266,	313,	315,
	455,	644,	948,	995,	999,
	1009,	1014,	1020,	1021,	1022,
	1023,	1029,	1551,	1558,	1639,
	1821,	1827,	2007,	2383,	2384,
	2385,	2390,	2392,	2393,	2400
POWER PLANTS_MONITORING_ZOOPLANKTON	106,	116,	117,	128,	163,
	315,	995,	999,	1006,	1014,
	1019,	1358,	2090,	2385,	2400

POWER PLANTS_RADIOACTIVITY	39,	42,	44,	45,	51,
	106,	108,	112,	121,	122,
	123,	408,	409,	410,	642,
	644,	685,	806,	952,	989,
	1007,	1020,	1027,	1029,	1037,
	1127,	1149,	1151,	1175,	1351,
	1383,	1544,	1546,	1558,	1623,
	1982,	2149,	2150,	2151,	2152,
	2190,	2299			
POWER PLANTS_RADIONUCLIDES					
(S: radionuclides_power plants)					
POWER PLANTS_REGULATIONS					
(S: regulations_power plants)					
POWER PLANTS_REVIEW					
(S: review_power plants)					
POWER PLANTS_SEDIMENTATION	18,	587,	590,	1027,	1103,
	1149,	1150,	1151,	1152,	1334,
	1607,	1623			
POWER PLANTS_SITING	1246				
POWER PLANTS_TEMPERATURE	1,	2,	54,	62,	65,
(SA: thermal_pollution)	76,	79,	80,	81,	107,
	110,	134,	135,	136,	168,
	181,	188,	196,	287,	312,
	313,	314,	315,	317,	365,
	371,	431,	447,	473,	575,
	576,	605,	620,	652,	678,
	679,	680,	684,	692,	706,
	720,	765,	808,	905,	906,
	952,	956,	957,	984,	990,
	993,	995,	996,	997,	998,
	999,	1002,	1003,	1006,	1008,
	1010,	1011,	1013,	1014,	1017,
	1018,	1091,	1098,	1151,	1169,
	1170,	1182,	1211,	1233,	1287,
	1309,	1314,	1329,	1334,	1374,
	1396,	1442,	1452,	1455,	1528,
	1550,	1551,	1552,	1555,	1556,
	1558,	1570,	1571,	1572,	1574,
	1582,	1634,	1635,	1636,	1637,
	1639,	1659,	1660,	1745,	1749,
	1755,	1792,	1804,	1821,	1822,
	1827,	1877,	1878,	1879,	1898,
	1931,	1955,	1963,	1964,	1965,
	1966,	1967,	1969,	1970,	1971,
	1972,	1973,	1974,	1979,	2004,
	2051,	2056,	2058,	2071,	2077,
	2090,	2190,	2200,	2201,	2203,
	2214,	2333,	2366,	2385,	2386,
	2389,	2391,	2394,	2395,	2396,
	2398,	2399,	2404,	2422,	2427,
	2434				

POWER PLANTS_THERMAL_POLLUTION (S: thermal_plume)
(S: thermal_pollution)

POWER PLANTS_WATER QUALITY 26, 51, 54, 55, 62,
63, 64, 106, 108, 110,
112, 116, 118, 119, 121,
122, 123, 126, 127, 128,
145, 163, 164, 167, 181,
188, 266, 287, 313, 315,
407, 408, 409, 410, 412,
455, 480, 528, 614, 642,
644, 706, 753, 765, 948,
952, 984, 995, 999, 1000,
1009, 1010, 1014, 1020, 1021,
1022, 1023, 1027, 1029, 1037,
1058, 1175, 1202, 1203, 1204,
1206, 1211, 1212, 1216, 1309,
1351, 1383, 1392, 1449, 1543,
1544, 1551, 1558, 1639, 1821,
1827, 1836, 1866, 1867, 1936,
1982, 2007, 2013, 2149, 2150,
2151, 2152, 2186, 2190, 2192,
2197, 2198, 2201, 2207, 2208,
2209, 2210, 2211, 2212, 2231,
2322, 2323, 2324, 2332, 2333,
2366, 2383, 2384, 2385, 2390,
2392, 2393, 2400

POWER PLANTS_WATER USE 62, 480, 614, 753, 765,
1052, 1175, 1176, 1202, 1203,
1204, 1206, 1216, 1389, 1616,
1821, 1916, 1982, 2152, 2190

PRECIPITATION (SA: snow) 5, 11, 12, 14, 16,
66, 69, 88, 89, 97,
99, 131, 134, 135, 136,
158, 162, 189, 225, 227,
252, 284, 285, 286, 287,
288, 289, 291, 292, 293,
297, 309, 346, 349, 350,
351, 352, 353, 354, 355,
356, 357, 386, 450, 469,
470, 512, 516, 517, 523,
530b, 532, 574, 672, 709,
710, 733, 744, 762, 765,
774, 775, 827, 831, 832,
860, 915, 941, 944, 968,
979, 983, 1046, 1049, 1050,
1051, 1052, 1094, 1131, 1137,
1139, 1163, 1174, 1175, 1197,
1223, 1278, 1279, 1298, 1301,
1311, 1366, 1372, 1376, 1377,
1378, 1389, 1392, 1458, 1462,
1463, 1464, 1465, 1466, 1490,
1498, 1499, 1524, 1594, 1595,
1605, 1610, 1619, 1656, 1666,

PRECIPITATION (continued) 1674, 1792, 1855, 1880, 1931,
2022, 2023, 2026, 2060, 2107,
2158, 2241a, 2243, 2272, 2311,
2339, 2340, 2353, 2401, 2426

PRECIPITATION_DISTRIBUTION 14, 16, 530b, 765, 1163,
1462, 1595, 2023, 2060, 2311,
2340

PRECIPITATION_HISTORY
(S: history_precipitation)

PRECIPITATION_LAKE EFFECT 346, 350, 351, 353, 354,
355, 356, 357, 469, 470,
530b, 532, 710, 765, 860,
944, 1298, 1366, 1498, 1499,
1605, 2023, 2026, 2060, 2241a,
2243, 2339, 2340

PRECIPITATION_LAKE LEVELS 88, 89, 97, 131, 158,
189, 252, 288, 289, 291,
292, 293, 297, 450, 512,
516, 517, 523, 530b, 574,
672, 744, 762, 765, 774,
775, 983, 1046, 1049, 1050,
1051, 1052, 1094, 1131, 1174,
1197, 1389, 1458, 1619, 1656,
1666, 2022, 2158, 2272, 2401

PRECIPITATION_MODEL
(S: model_precipitation)

PRECIPITATION_SEASONAL VARIATION 11, 16, 225, 284, 285,
288, 350, 353, 354, 355,
356, 357, 512, 733, 944,
979, 1046, 1051, 1052, 1163,
1174, 1298, 1301, 1377, 1378,
1594

PRECIPITATION_WATER BUDGET 5, 131, 252, 287, 288,
291, 512, 517, 523, 530b,
765, 831, 832, 1049, 1094,
1174, 1372, 1376, 1377, 1378,
1499, 1619, 1666, 2022, 2401,
2426

PRIMARY PRODUCTION 91, 148, 181, 195, 196,
(SA: phytoplankton_growth) 328, 334, 335, 336, 638,
639, 640, 719, 765, 1400,
1459, 1539, 1564, 1743, 1777,
1805, 1833, 1834, 1835, 1839,
1840, 1841, 1843, 1975, 2013,
2018, 2275, 2276, 2333, 2422

PROTOZOA 696, 803, 804, 994, 1315,
1316, 1563, 2138

PSAMMON 103, 1883, 2350

PSEUDOMONAS (S: bacteria)

PTELEA	1363				
PYRROPHYTA	629, 2015				
QUARTZ	325, 799, 1891, 1905, 1917, 2074				
QUATERNARY (SA: Pleistocene)	671, 686, 892, 1242, 1397, 1399, 2273				
QUILLBACK	1098, 2065				
RADIATION (SOLAR) (SA: light)	222, 229, 478, 530b, 676, 813, 1610, 1854, 1931				
RADIOACTIVITY	39, 42, 44, 45, 51,				
(SA: discharge_radioactivity)	106, 108, 112, 121, 122,				
(SA: effluent_radioactivity)	123, 189, 408, 409, 410,				
(SA: power plants_radioactivity)	642, 644, 685, 752, 806,				
	952, 972, 989, 1007, 1020,				
	1027, 1029, 1037, 1040, 1127,				
	1149, 1151, 1175, 1351, 1383,				
	1544, 1546, 1558, 1623, 1703,				
	1704, 1982, 2149, 2150, 2151,				
	2152, 2169, 2190, 2204, 2270,				
	2299				
RADIOCARBON (S: carbon-14)					
RADIONUCLIDES (general)	13, 1494, 2169, 2292				
(SA: specific radionuclides)					
RADIONUCLIDES_BIOACCUMULATION	106, 427, 428, 596, 685,				
(SA: radionuclides_uptake)	1039, 1127, 1128, 1334, 1338,				
	1445, 1491, 1492, 1725, 1827,				
	1957, 1958, 1959, 1960, 1968,				
	2286, 2289, 2299, 2301, 2424				
RADIONUCLIDES_CYCLING	17, 18, 65, 583, 585,				
	596, 958, 1224, 1335, 1336,				
	1709, 1717, 1960, 2286, 2289,				
	2290, 2291, 2293, 2294, 2296,				
	2298, 2423				
RADIONUCLIDES_DEPOSITION	16, 63, 583, 587, 588,				
	589, 590, 591, 593, 596,				
	644, 827, 828, 1103, 1223,				
	1311, 1334, 1336, 1490, 1621,				
	1622, 1624, 1625, 1703, 1708,				
	1711, 1713, 1714, 1715, 1716,				
	2289, 2290, 2296, 2298				
RADIONUCLIDES_DISCHARGE	64, 407, 807, 972, 974,				
	1127, 1128, 1445, 1449, 1492,				
	1493, 1546, 1622, 1624, 1827,				
	1828, 1866, 1867, 1956, 2289				
RADIONUCLIDES_DISPERSION	62, 1493, 2296				
RADIONUCLIDES_EFFLUENT	62, 64, 407, 644, 685,				
	974, 1334, 1449, 1828, 1866,				
	1867, 1956, 1957				

RADIONUCLIDES_LOADING	106,	587,	588,	593,	743,
	765,	1036,	1058,	1223,	1311,
	1493,	1599,	1711,	1713,	1827,
	1828,	1956			
RADIONUCLIDES_MONITORING	62,	106,	644,	685,	971,
	972,	980,	1039,	1336,	1445,
	1827,	1828,	1960,	2170,	2204
RADIONUCLIDES_POWER PLANTS	14,	18,	62,	63,	64,
	65,	106,	407,	427,	428,
	587,	590,	644,	685,	743,
	765,	806,	807,	1058,	1103,
	1127,	1128,	1334,	1445,	1449,
	1492,	1493,	1546,	1622,	1725,
	1806,	1827,	1866,	1867,	1956,
	1957,	1958,	1959,	1968,	2289,
	2299				
RADIONUCLIDES_RESIDENCE TIME	590,	2289			
RADIONUCLIDES_SEDIMENTS	15,	18,	65,	106,	427,
	583,	585,	587,	588,	589,
	590,	591,	593,	596,	685,
	765,	921,	958,	972,	974,
	980,	1103,	1224,	1311,	1317,
	1334,	1336,	1445,	1492,	1599,
	1621,	1622,	1624,	1625,	1708,
	1709,	1711,	1713,	1714,	1715,
	1716,	1717,	1827,	1828,	1958,
	2170,	2204,	2286,	2288,	2289,
	2293,	2296,	2298,	2423,	2424
RADIONUCLIDES_TRACE METALS	13,	14,	15,	16,	17,
	18,	64,	65,	106,	427,
	583,	585,	587,	588,	589,
	590,	591,	593,	596,	644,
	685,	743,	765,	827,	828,
	971,	972,	974,	980,	1058,
	1103,	1127,	1128,	1223,	1224,
	1334,	1336,	1338,	1445,	1490,
	1491,	1493,	1494,	1621,	1624,
	1625,	1709,	1713,	1714,	1715,
	1716,	1827,	1828,	1957,	1958,
	1959,	1968,	2286,	2288,	2289,
	2290,	2291,	2292,	2293,	2294,
	2296,	2298,	2301,	2424	
RADIONUCLIDES_TRANSPORT	15,	18,	65,	588,	591,
	1311,	1334,	1490,	1624,	1725,
	1806,	2289			
RADIONUCLIDES_UPTAKE	63,	427,	585,	644,	685,
(SA: radionuclides_bioaccumulation)	1335,	1492,	1493,	1725,	1956,
	1957,	1959,	1960,	1968,	2286,
	2289				
RADIONUCLIDES_WATER QUALITY	13,	62,	63,	64,	106,
	407,	644,	765,	958,	971,

RADIONUCLIDES_WATER QUALITY	972,	974,	980,	1036,	1039,
(continued)	1058,	1449,	1703,	1827,	1828,
	1866,	1867,	2169,	2170,	2204
RADIUM	106,	584,	1621,	1711	
RAIN (S: precipitation)					
RAINBOW SMELT (SA: smelt)	166,	197,	367,	382,	428,
	553,	555,	656,	836,	898,
	1066,	1098,	1133,	1145,	1269,
	1526,	1550,	1680,	1691,	1734,
	1735,	1752,	2262,	2281,	2314
RAINBOW TROUT (SA: trout)	166,	211,	367,	382,	423,
	428,	459,	553,	555,	631,
	825,	836,	994,	1000,	1098,
	1269,	1302,	1550,	1585,	1660,
	1691,	1746,	1752,	1753,	1755,
	1954,	1955,	1957,	1959,	1964,
	1965,	1970,	1974,	1985,	1988,
	2066,	2262,	2265		
RECESSION					
(S: bluff recession)					
(S: erosion)					
(S: shoreline_recession)					
RECHARGE	6,	66,	512,	746,	954,
	967,	987,	988,	1767,	1768,
	1800,	1801,	1856,	1890,	2272,
	2302				
RECREATION	47,	52,	53,	71,	74,
(SA: management_recreation)	188,	207,	208,	310,	319,
(SA: model_recreation)	320,	322,	323,	363,	372,
(SA: research_needs_recreation)	373,	453,	480,	533,	535,
(SA: tourism)	536,	537,	538,	539,	540,
(SA: water_quality_recreation)	541,	542,	543,	544,	614,
	616,	705,	724,	734,	736,
	742,	746,	750,	751,	752,
	756,	765,	766,	770,	771,
	773,	774,	775,	819,	829,
	846,	847,	895,	940,	959,
	960,	963,	965,	967,	979,
	1042,	1045,	1050,	1051,	1052,
	1067,	1068,	1075,	1085,	1138,
	1175,	1202,	1203,	1204,	1206,
	1216,	1302,	1312,	1379,	1390,
	1436,	1497,	1603,	1616,	1631,
	1643,	1664,	1827,	1828,	1924,
	1949,	1950,	1953,	1970,	1972,
	1982,	2024,	2025,	2049,	2050,
	2052,	2101,	2111,	2113,	2124,
	2139b,	2152,	2154b,	2180,	2190,
	2228,	2229,	2230,	2232,	2234,
	2278,	2368,	2375,	2411	
REDHORSE	693				

REDOX	765, 1431, 1432, 1769, 1772
REEFS	1586, 1587, 1589, 1590, 1944, 2370
REGULATIONS_ATMOSPHERIC_POLLUTION	1040, 1201, 1297, 1558
REGULATIONS_FISH	272, 440, 790, 880, 962a, 973, 1030, 1034, 1037, 1038, 1039, 1052, 1076, 1077, 1396, 1470, 1472, 1673, 1787, 1826, 1924, 1928, 1929, 2310
REGULATIONS_INSTITUTIONS	440, 511, 757, 760, 880, 1037, 1038, 1063, 1391, 1392, 1395, 2179, 2327
REGULATIONS_LAKE LEVELS	338, 513, 737, 755, 762, 1043, 1046, 1050, 1051, 1052, 1558, 2438, 2443
REGULATIONS_POWER PLANTS	753, 906, 1037, 1051, 1052, 1175, 1201, 1297, 1392, 1396, 1470, 1472, 1558, 2071, 2186, 2192, 2197, 2198, 2201, 2207, 2208, 2209, 2210, 2211, 2212
REGULATIONS_SHORELINE	737, 738, 745, 962a, 973, 1395, 2122, 2327, 2437
REGULATIONS_WATER QUALITY	35, 48, 364, 511, 534, 537, 613, 714, 753, 758, 762, 962a, 971, 973, 978, 992, 1030, 1032, 1034, 1037, 1038, 1039, 1040, 1063, 1108, 1175, 1391, 1392, 1395, 1558, 1642, 1644, 1826, 2094, 2096, 2155, 2156, 2173, 2179, 2185, 2186, 2192, 2197, 2198, 2201, 2207, 2208, 2209, 2210, 2211, 2212, 2258a, 2263
REGULATIONS_WATER USE	613, 753, 757, 758, 760, 978, 1050, 1052, 1063, 1175, 1304, 1343, 1391, 1395, 2094, 2096
REMEDIAL ACTION	5, 534, 800, 1033, 1037, (SA: pollution_abatement) 1207, 1210, 1557, 1888
REMOTE SENSING	84, 85, 88, 89, 137, (SA: aerial photography) 221, 222a, 287, 343, 346, (SA: mapping_remote sensing) 356, 396, 480, 813, 814, (SA: temperature_remote sensing) 844, 883, 983, 1057, 1109, 1184, 1238, 1239, 1241, 1264, 1284, 1285, 1290, 1292, 1296, 1297, 1298, 1314, 1329, 1366, 1514, 1540, 1601, 1633, 1707, 1750, 1793, 1821, 1822, 1823, 1854, 1932, 1934, 2027, 2032,

REMOTE SENSING (continued)	2034, 2035, 2036, 2038, 2067, 2078, 2108, 2203, 2371, 2372, 2404
REPTILES	976, 977, 1261, 1593, 1832, 2057
RESEARCH NEEDS_BIOLOGY	62, 87, 153, 172, 188, 190, 207, 209, 348, 432, 480, 481, 534, 614, 634, 734, 765, 781, 782, 783, 784, 787, 847, 962a, 985, 1029, 1030, 1053, 1383, 1449, 1488, 1619, 1683, 1725, 1805, 1889, 1907, 1908, 1909, 1910, 1928, 1956, 2049, 2199, 2214, 2229, 2335, 2427
RESEARCH NEEDS_CHEMISTRY	62, 74, 90, 153, 172, 188, 207, 348, 432, 525, 534, 614, 634, 710, 765, 847, 962a, 1030, 1053, 1108, 1201, 1382, 1383, 1619, 1805, 1806, 1907, 1908, 1909, 1910, 1956, 2049, 2199, 2229, 2335
RESEARCH NEEDS_CIRCULATION	243, 765, 1428, 1619, 1634, 2229
RESEARCH NEEDS_CURRENTS	243, 765, 1428
RESEARCH NEEDS_ECONOMICS	188, 534, 767, 847, 903, 985, 1332, 1375, 1488, 1548, 1889, 1907, 1908, 1909, 1910, 1928, 2049, 2199
RESEARCH NEEDS_GEOLOGY	71, 74, 87, 207, 324, 348, 432, 480, 614, 734, 744, 765, 847, 903, 962a, 985, 1053, 1382, 1943, 2199, 2229
RESEARCH NEEDS_GROUNDWATER	744, 758, 765, 985
RESEARCH NEEDS_INSTITUTIONS	87, 436, 480, 741, 847, 985, 1548, 1683, 1806, 1951, 2179, 2199, 2427
RESEARCH NEEDS_METEOROLOGY	62, 79, 87, 172, 188, 243, 480, 710, 765, 1479
RESEARCH NEEDS_NAVIGATION	188, 480, 614, 744, 765, 985, 1332, 2229
RESEARCH NEEDS_POLLUTION_ABATEMENT	153, 207, 614, 735, 765, 985, 1108, 1554
RESEARCH NEEDS_RECREATION	71, 74, 188, 207, 480, 614, 734, 765, 847, 2049, 2229

RESEARCH NEEDS_TEMPERATURE	62,	79,	188,	243,	710,
	765,	1108,	1332,	1428,	1619,
	1634,	2214,	2427		
RESEARCH NEEDS_WATER BUDGET	765,	1619			
RESEARCH NEEDS_WATER QUALITY (S: water quality_research needs)					
RESEARCH NEEDS_WATER SUPPLY	188,	480,	758,	765,	985,
	1375				
RESEARCH NEEDS_WATER USE	74,	207,	614,	734,	735,
	758,	765,	767,	1063,	1304,
	2199				
RESUSPENSION	15,	120,	359,	583,	589,
	596,	664,	967,	972,	974,
	1235,	1431,	1716,	1719,	1796,
	1808,	1828,	1833,	1903,	1977,
	2205,	2286,	2289,	2297,	2298
REVETMENTS	73,	253,	254,	255,	256,
(SA: coastal structures)	670,	1328,	1395,	2100,	2105,
	2115,	2117,	2407		
REVIEW (SA: summary)					
REVIEW_ATMOSPHERIC DEPOSITION/LOADING ..	33,	145,	180,	287,	524,
	525,	550,	652,	710,	752,
	1027,	1334,	2072		
REVIEW_CLIMATE	357,	710,	765,	1656	
REVIEW_EUTROPHICATION	64,	145,	174,	176,	178,
	180,	182,	207,	208,	310,
	347,	677,	720,	753,	765,
	958,	1027,	1334,	1340,	1488,
	1554,	1889,	1927,	1935,	1936,
	2013,	2047,	2096,	2322,	2323
REVIEW_FISH/FISHERIES	64,	88,	89,	145,	174,
	176,	178,	182,	207,	208,
	273,	310,	316,	347,	438,
	440,	524,	577,	611,	677,
	754,	765,	952,	958,	976,
	1027,	1052,	1309,	1310,	1351,
	1399,	1631,	1683,	1865b,	1907,
	1908,	1909,	1910,	1913,	1914,
	1922,	1924,	1927,	1956,	2246,
	2322,	2323			
REVIEW_GEOLOGY	88,	89,	145,	207,	258,
	387,	403,	577,	677,	737,
	740,	744,	745,	748,	751,
	763,	764,	765,	917,	918,
	930,	1027,	1153,	1334,	1435,
	1631,	1656,	1904,	1905,	2096,
	2199,	2346			

REVIEW_INVERTEBRATES	174, 176, 182, 190, 347, 418, 481, 677, 765, 865, 930, 976, 1725, 1935, 1936, 2270, 2306
REVIEW_LAKE LEVELS (S: Lake levels_review)	
REVIEW_LAND USE	207, 740, 745, 749, 750, 751, 763, 764, 1054, 1175, 1554, 1865a, 1927, 2126
REVIEW_MINERALS	208, 740, 749, 763, 1905
REVIEW_ORGANICS	33, 207, 208, 310, 524, 525, 577, 710, 753, 754, 763, 765, 952, 958, 1027, 1175, 1351, 1935, 1936, 2323
REVIEW_PHYTOPLANKTON	174, 176, 180, 182, 347, 481, 720, 765, 976, 1340, 1725, 1889, 1935, 1936, 2013, 2047, 2270, 2276
REVIEW_POLLUTION	21, 90, 174, 178, 180, 182, 207, 208, 287, 310, 347, 524, 550, 577, 710, 737, 740, 752, 753, 763, 765, 930, 952, 958, 1027, 1054, 1175, 1334, 1340, 1351, 1380, 1554, 1631, 1639, 1642, 1725, 1927, 1935, 1936, 2096, 2126, 2137, 2322, 2323
REVIEW_POWER PLANTS	64, 145, 190, 515, 550, 652, 720, 744, 952, 1052, 1132, 1175, 1309, 1310, 1334, 1351, 1634, 1639, 1725, 1951, 1956, 2013
REVIEW_THERMAL_POLLUTION	64, 190, 287, 652, 720, 753, 754, 765, 952, 1027, 1175, 1309, 1334, 1351, 1634, 1898, 1936, 1956, 2013, 2322, 2323
REVIEW_WATER QUALITY (S: water quality_review)	
REVIEW_ZOOPLANKTON	174, 176, 190, 347, 481, 765, 976, 1725, 1935, 1936, 2306
RHENIUM	1269
RHODOPHYTA	974
RING-BILLED GULLS	887, 1073, 1272, 1273, 1274, (SA: birds; SA: gulls) 1275, 1600, 1831, 1893
RIPRAP (SA: coastal structures)	402, 551, 983, 1075, 2116, 2117, 2118, 2138

RISK ASSESSMENT (S: human health)

RIVER (S: tributaries)

RIVER_PLUME 11, 12, 110, 120, 138,
1090, 1509, 1582, 1710, 1935,
1936, 1937, 2011

ROCK BASS (SA: bass) 223, 1098, 1492

ROCKS (SA: bedrock) 492, 820, 1382, 1385, 1527,
1530, 1531, 2238

ROTIFERA (SA: zooplankton) 92, 185, 696, 698, 900,
977, 994, 1325, 1350, 1935,
1936, 1999, 2000, 2001, 2044,
2138, 2283, 2342

ROUNDWORMS (S: Nematoda)

RUBIDIUM 585

RUNOFF 48, 68, 69, 158, 177,
(SA: model_runoff) 188, 240, 252, 285, 286,
(SA: pollution_runoff) 288, 291, 297, 309, 362,
399, 426, 512, 516, 517,
523, 530b, 531, 577, 597,
672, 733, 737, 744, 745,
746, 765, 816, 831, 832,
844, 954, 968, 974, 979,
984, 987, 988, 1027, 1040,
1049, 1046, 1050, 1051, 1052,
1054, 1055, 1056, 1057, 1058,
1089, 1094, 1137, 1174, 1175,
1197, 1207, 1210, 1234, 1371,
1372, 1376, 1377, 1392, 1458,
1497, 1524, 1594, 1595, 1631,
1656, 1666, 1674, 1703, 1704,
1767, 1768, 1796, 1827, 1828,
1833, 1862, 1953, 1982, 2115,
2127, 2187, 2189, 2205, 2220,
2241a, 2272, 2302, 2331, 2352,
2368, 2401, 2426, 2430, 2433

RUNOFF_SEASONAL VARIATION 285, 288, 512, 733, 1046,
1051, 1052, 1174, 1371, 1377,
1594, 1796

RUTHENIUM 1490

SALAMANDERS (SA: amphibians) 223, 1261, 1593, 1685

SALMON 67, 76, 93, 94, 166,
(SA: specific species) 223, 234, 247, 248, 311,
379, 380, 382, 423, 424,
428, 468, 522, 555, 561,
562, 603, 654, 691, 774,
775, 776, 834, 836, 967,
974, 994, 1068, 1069, 1070,
1071, 1083, 1098, 1126, 1217,
1267, 1353, 1386, 1390, 1399,

SALMON (continued)	1550, 1565, 1567, 1585, 1588, 1591, 1660, 1690, 1692, 1693, 1702, 1746, 1747, 1752, 1753, 1754, 1755, 1785, 1825, 1828, 1829, 1859, 1860, 1861, 1922, 1926, 1930, 1954, 1955, 1957, 1958, 1965, 1968, 1969, 1970, 1972, 1984, 1986, 1987, 1989, 1990, 1991, 1992, 2052, 2066, 2075, 2076, 2219, 2262, 2265, 2284, 2285, 2286, 2289, 2301, 2337, 2338, 2366, 2424
SALMONELLA (S: bacteria)	
SALMONID (SA: specific species)	65, 197, 232, 367, 392, 1259, 1266, 1267, 1353, 1369, 1399, 1550, 1658, 1684, 1743, 1754, 1755, 1785, 1924, 1925, 1927, 1963, 1965, 1969, 2066, 2234, 2322, 2323
(SA: salmon; SA: trout)	
SALT (SA: sodium)	531, 548, 740, 763, 952, 1200, 1524
SAMARIUM	584, 594, 2086
SAND	27, 66, 96, 101, 111, 159, 203, 205, 241, 253, 255, 257, 325, 339, 430, 433, 480, 484, 485, 486, 487, 489, 492, 494, 495, 496, 497, 498, 499, 502, 504, 508, 509, 510, 563, 566, 567, 568, 612, 626, 648, 660, 662, 664, 665, 667, 668, 670, 672, 717, 728, 731, 740, 745, 797, 809, 816, 820, 882, 892, 917, 950, 954, 977, 983, 1075, 1103, 1120, 1149, 1150, 1151, 1152, 1180, 1188, 1189, 1190, 1191, 1205, 1227b, 1238, 1240, 1241, 1242, 1363, 1382, 1395, 1398, 1419, 1515, 1529, 1547, 1608, 1609, 1652, 1654, 1656, 1694, 1798, 1801, 1818, 1874, 1893, 1905, 1917, 1947, 1948, 1997, 1998, 2006, 2007, 2054, 2074, 2092, 2098, 2099, 2103, 2117, 2121, 2138, 2152, 2170, 2223, 2235, 2244, 2272, 2346, 2408, 2410
SAND DUNES	27, 66, 339, 486, 495, 498, 504, 509, 510, 626, 665, 670, 672, 717, 797, 809, 820, 833, 892, 977,

SAND DUNES (continued)	1075, 1120, 1189, 1363, 1395, 1398, 1515, 1656, 1694, 1798, 1893, 1998, 2103, 2121, 2152, 2244, 2272, 2408, 2410, 2441
SANDSTONE	1191, 2302
SATELLITE (S: remote sensing)	
SAUGER	10, 178, 223
SCANDIUM	381, 584, 585, 594, 798, 1242, 1891, 1892, 2086
SCULPIN	32, 166, 197, 365, 382, 428, 551, 553, 657, 804, 836, 1065, 1098, 1399, 1653, 1684, 1687, 1689, 1752, 1830, 1926, 1944, 1960, 2050, 2289, 2301, 2314, 2323, 2415, 2424
SEA LAMPREY (general)	102, 172, 468, 968, 1027, 1353, 1650
SEA LAMPREY_DISTRIBUTION	166, 250, 365, 367, 555, 617, 754, 824, 836, 837, 876, 904, 1076, 1199, 1405, 1414, 1911, 1915, 1925, 1926, 1983, 2050, 2304, 2322, 2323
SEA LAMPREY_GENETICS	1612
SEA LAMPREY_LAMPRICIDES	59, 60, 140, 211, 440, 471, 581, 904, 924, 1099, 1122, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1924, 1981, 2079
SEA LAMPREY_LARVAL	211, 824, 876, 924, 1122, 1320, 1321, 1906, 1915, 1983, 2061
SEA LAMPREY_LIFE HISTORY	1323, 1405, 1414, 1612, 1683, 1906, 2061
SEA LAMPREY_MANAGEMENT	59, 60, 129, 140, 251, 367, 440, 461, 635, 754, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 836, 837, 876, 889, 904, 924, 1076, 1199, 1405, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1922, 1924, 1925, 1927, 1928, 1981, 2050, 2075, 2079, 2216, 2304
SEA LAMPREY_MONITORING	581, 836, 837, 968, 1414, 2050
SEA LAMPREY_MORPHOLOGY	1321, 1405

SEA LAMPREY_PHYSIOLOGY	60, 166, 836, 837, 1323, 1414, 1906, 1907, 1908, 1909, 1910, 1913, 1914, 1981
SEA LAMPREY_PREDATION	365, 367, 461, 617, 777, (SA: fish_predation) 778, 779, 780, 781, 782, 784, 785, 786, 787, 788, 789, 791, 792, 1076, 1199, 1320, 1353, 1414, 1650, 1907, 1908, 1909, 1910, 1911, 1913, 1914, 1920, 1922, 1926, 1927, 1928, 2050, 2322
SEA LAMPREY_REPRODUCTION	59, 1323, 1405, 1906, 1983, 2061
SEA LAMPREY_TRIBUTARIES (S: tributaries_sea lamprey)	
SEAWALLS	73, 253, 254, 255, 402, (SA: coastal structures) 1395, 2103, 2105, 2115, 2117, 2121, 2407
SECONDARY PRODUCTION	1268, 1421, 1539
SEDIMENT CORES	308, 433, 588, 648, 649, (SA: sediments) 859, 921, 1102, 1188, 1190, 1220, 1227a, 1240, 1243, 1244, 1245, 1415, 1416, 1418, 1532, 1561, 1562, 1599, 1709, 1711, 1713, 1714, 1715, 1716, 1717, 1720, 1899, 1900, 1942, 1946, 2093, 2328
SEDIMENT TRAPS	1808, 1904, 2092, 2286, 2295, 2297
SEDIMENT-WATER INTERFACE	325, 593, 1027, 1122, 1159, 1221, 1411, 1432, 1435, 1709, 1715, 1769, 1771, 1772, 1778, 1935, 2298
SEDIMENTATION	11, 12, 18, 48, 89, 359, 403, 483, 486, 488, 494, 495, 497, 498, 499, 501, 502, 503, 572, 587, 588, 589, 590, 592, 593, 594, 596, 612, 641, 664, 667, 670, 672, 674, 675, 722, 745, 748, 815, 881, 983, 1027, 1103, 1130, 1137, 1149, 1150, 1151, 1152, 1223, 1224, 1227a, 1241, 1242, 1245, 1265, 1334, 1335, 1338, 1395, 1431, 1500, 1561, 1562, 1563, 1599, 1607, 1608, 1623, 1656, 1709, 1711, 1713, 1714, 1716, 1783, 1824, 1904, 1905, 1944, 1952, 2092, 2189, 2205, 2237,

SEDIMENTATION (continued)	2239,	2277,	2286,	2293,	2328,
	2352,	2407,	2409,	2435,	2442
SEDIMENTATION_SEASONAL VARIATION	11,	494,	495,	572,	1241,
	1508,	1952			
SEDIMENTOLOGY	403,	506,	507,	572,	667,
	881,	882,	1027,	1130,	1227b,
	1242,	1415,	1416		
SEDIMENTS_CHEMISTRY	15,	18,	40,	46,	56,
(SA: geochemistry)	65,	66,	69,	92,	95,
(SA: inorganics_sediments,	106,	110,	113,	138,	149,
metals_sediments,	151,	185,	207,	208,	325,
nutrients_sediments,	327,	360,	381,	386,	421,
organics_sediments,	426,	427,	434,	471,	491,
PCBS_sediments,	524,	525,	577,	580,	583,
radionuclides_sediments, or	585,	587,	588,	589,	590,
trace metals_sediments)	591,	592,	593,	594,	596,
	648,	649,	685,	686,	702,
	703,	707,	721,	762,	765,
	768,	798,	815,	818,	826,
	875,	879,	887,	903,	931,
	955,	958,	962a,	967,	972,
	974,	980,	1027,	1057,	1089,
	1123,	1139,	1159,	1165,	1168,
	1178,	1179,	1183,	1219,	1220,
	1221,	1222,	1224,	1227b,	1235,
	1242,	1311,	1317,	1334,	1336,
	1345,	1346,	1382,	1392,	1401,
	1410,	1411,	1418,	1419,	1431,
	1432,	1435,	1445,	1492,	1500,
	1522,	1523,	1558,	1559,	1599,
	1609,	1621,	1622,	1624,	1625,
	1708,	1709,	1711,	1712,	1713,
	1714,	1715,	1716,	1717,	1718,
	1719,	1769,	1770,	1771,	1772,
	1773,	1774,	1778,	1782,	1789,
	1796,	1825,	1826,	1827,	1828,
	1833,	1837,	1857,	1870,	1878,
	1884,	1888,	1891,	1892,	1904,
	1905,	1935,	1936,	1946,	1958,
	1976,	1977,	2007,	2085,	2086,
	2093,	2094,	2095,	2096,	2120,
	2135,	2170,	2189,	2204,	2221,
	2231,	2260,	2286,	2288,	2289,
	2293,	2296,	2298,	2328,	2365,
	2379,	2400,	2423,	2424	
SEDIMENTS_DEPOSITION	69,	149,	345,	359,	360,
(SA: sedimentation)	386,	430,	483,	486,	494,
	495,	496,	498,	505,	568,
	572,	574,	583,	587,	588,
	589,	590,	591,	592,	593,
	596,	623,	660,	665,	674,
	675,	707,	729,	731,	798,
	815,	848,	875,	881,	903,

SEDIMENTS_DEPOSITION (continued) 967, 983, 1027, 1103, 1149,
 1150, 1151, 1152, 1221, 1222,
 1242, 1311, 1326, 1334, 1336,
 1397, 1418, 1431, 1500, 1515,
 1559, 1621, 1622, 1624, 1625,
 1654, 1708, 1711, 1712, 1713,
 1714, 1715, 1716, 1718, 1789,
 1796, 1884, 2074, 2098, 2237,
 2289, 2296, 2298, 2407

SEDIMENTS_DISPERSION
 (S: dispersion_sediments)

SEDIMENTS_DISTRIBUTION 18, 22, 23, 65, 92,
 95, 101, 110, 111, 138,
 149, 240, 296, 345, 418,
 421, 427, 430, 508, 572,
 583, 585, 589, 590, 592,
 593, 612, 663, 670, 674,
 675, 721, 729, 730, 731,
 765, 798, 815, 820, 845,
 848, 857, 858, 866, 867,
 869, 931, 932, 933, 950,
 1019, 1103, 1123, 1149, 1150,
 1152, 1195, 1219, 1221, 1222,
 1227b, 1240, 1244, 1245, 1317,
 1326, 1401, 1415, 1416, 1418,
 1419, 1500, 1522, 1559, 1561,
 1563, 1621, 1625, 1649, 1651,
 1652, 1654, 1675, 1687, 1708,
 1709, 1712, 1713, 1714, 1716,
 1717, 1782, 1827, 1837, 1881,
 1884, 1891, 1904, 1905, 1936,
 1942, 1944, 1947, 1948, 2007,
 2008, 2014, 2041, 2074, 2092,
 2223, 2286, 2288, 2289, 2296,
 2298, 2315, 2424, 2442

SEDIMENTS_EROSION
 (S: erosion)

SEDIMENTS_FLUX 583, 589, 593, 596, 875,
 1431, 1432, 1435, 1559, 1713,
 1714, 1716, 1719, 1796, 2298

SEDIMENTS_GLACIAL 205, 623, 672, 686, 715,
 799, 809, 917, 981, 1102,
 1130, 1188, 1227, 1240, 1242,
 1244, 1360, 1397, 1415, 1416,
 1905, 1917, 2273, 2345, 2414

SEDIMENTS_GRAIN SIZE
 (S: grain size_sediments)

SEDIMENTS_HARBORS 40, 46, 56, 110, 113,
 241, 580, 648, 649, 702,
 703, 748, 768, 845, 955,
 972, 1074, 1165, 1220, 1827,

SEDIMENTS_HARBORS (continued) 1935, 1936, 2093, 2094, 2095,
2096, 2135, 2170

SEDIMENTS_HISTORY
(S: history_sediments)

SEDIMENTS_HYDROCARBONS
(S: hydrocarbons_sediments)

SEDIMENTS_INORGANICS
(S: inorganics_sediments)

SEDIMENTS_LOADING 92, 106, 113, 138, 208,
240, 386, 434, 524, 525,
568, 587, 588, 593, 648,
649, 707, 765, 768, 955,
1057, 1089, 1139, 1159, 1235,
1311, 1410, 1500, 1599, 1608,
1711, 1713, 1789, 1796, 1827,
1828, 1833, 1876, 1884, 1904,
1936, 1953, 1976, 1977, 2189,
2260, 2368, 2379

SEDIMENTS_MAPPING (S: mapping_sediments)

SEDIMENTS_METALS
(S: metals_sediments)

SEDIMENTS_ORGANICS
(S: organics_sediments)

SEDIMENTS_PCBS
(S: PCBs_sediments)

SEDIMENTS_PHOSPHORUS
(S: phosphorus_sediments)

SEDIMENTS_POLLUTION
(S: pollution_sediments)

SEDIMENTS_TOXICS
(S: toxics_sediments)

SEDIMENTS_TRANSPORT 15, 18, 65, 78, 95,
(SA: littoral drift) 130, 294, 386, 483, 494,
497, 499, 501, 502, 503,
505, 506, 507, 508, 509,
524, 574, 588, 591, 612,
647, 660, 662, 663, 664,
665, 667, 668, 674, 675,
729, 730, 731, 745, 761,
809, 869, 875, 881, 892,
950, 967, 1027, 1149, 1150,
1151, 1152, 1185, 1186, 1195,
1214, 1215, 1221, 1222, 1238,
1241, 1311, 1326, 1334, 1410,
1411, 1432, 1500, 1515, 1563,
1608, 1615, 1624, 1808, 1884,
1904, 1936, 1947, 2054, 2085,
2092, 2097, 2098, 2100, 2102,

SEDIMENTS_TRANSPORT (continued)	2116, 2118, 2173, 2189, 2221, 2237, 2277, 2289, 2407, 2408
SEDIMENTS_TRIBUTARIES (S: tributaries_sediments)	
SEDIMENTS_WATER_QUALITY (S: sediments_chemistry)	
SEICHE	11, 12, 97, 442, 443, 450, 636, 765, 852, 942, 980, 1050, 1051, 1052, 1060, 1084, 1087, 1088, 1093, 1131, 1174, 1233, 1257, 1318, 1373, 1394, 1428, 1429, 1430, 1433, 1434, 1438, 1439, 1440, 1441, 1443, 1467, 1626, 1627, 1646, 1677, 1812, 1814, 1815, 1817, 1905, 2166, 2267
SEISMIC (SA: geophysics)	205, 1110, 1243, 1244, 1245, 1418, 1701, 1900, 2403, 2405
SELENIUM	41, 425, 428, 585, 594, (Note: selenium is not indexed with the metals or trace metals as it is a nonmetal) 836, 967, 972, 974, 1220, 1269, 1827, 1828, 1829, 2085, 2088, 2287
SENECELLA	1722, 2083
SEWAGE	43, 48, 49, 185, 571, (SA: discharge_sewage) 635, 752, 954, 973, 984, (SA: waste) 1058, 1179, 1210, 1364, 1462, (SA: wastewater) 1543, 1558, 1583, 1641, 1644, 1645, 1820, 1821, 1869, 1870, 1935, 1936, 1938, 1982, 2123, 2126, 2127, 2195, 2201, 2365
SHAD	166, 382, 468, 1098, 2065, 2219
SHEEPSHEAD	223, 754, 775
SHIGELLA (S: bacteria)	
SHINER	155, 197, 382, 428, 551, 553, 598, 619, 727, 916, 994, 1098, 1269, 1790, 1873, 2314, 2321, 2323, 2419, 2420
SHIPPING (SA: navigation)	143, 144, 207, 242, 480, (SA: history_shipping) 514, 635, 749, 755, 773, 774, 775, 826, 895, 953, 984, 1037, 1038, 1039, 1048, 1058, 1108, 1111, 1196, 1303, 1332, 1347, 1348, 1389, 1390, 1392, 1456, 1486, 1495, 1525, 1671, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1858, 1885, 2022, 2113, 2142, 2154a, 2154b, 2229

SHORELINE (SA: coastal)					
SHORELINE_ATMOSPHERIC_POLLUTION	398,	635,	877,	1027,	1109,
	1285,	1289,	1293,	1300	
SHORELINE_EROSION	28,	29,	50,	71,	72,
(SA: erosion)	73,	75,	130,	203,	222b,
	253,	254,	256,	257,	259,
	295,	339,	363,	372,	373,
	374,	401,	402,	403,	404,
	452,	457,	480,	486,	487,
	489,	490,	497,	498,	502,
	504,	506,	510,	515,	523,
	557,	566,	567,	568,	569,
	574,	597,	635,	647,	660,
	665,	669,	672,	737,	742,
	744,	745,	761,	763,	774,
	775,	809,	811,	816,	821,
	822,	823,	844,	869,	881,
	882,	890,	892,	895,	960,
	962a,	966b,	983,	1027,	1042,
	1045,	1075,	1151,	1152,	1180,
	1185,	1186,	1192,	1205,	1209,
	1215,	1227a,	1238,	1328,	1394,
	1395,	1410,	1485,	1486,	1557,
	1615,	1617,	1632,	1874,	1875,
	1876,	2097,	2098,	2099,	2100,
	2101,	2102,	2104,	2105,	2115,
	2116,	2117,	2118,	2122,	2134,
	2139a,	2144,	2145,	2146,	2239,
	2240,	2277,	2325,	2326,	2407,
	2408,	2409,	2437,	2441	
SHORELINE_HISTORY	217,	264,	265,	269,	363,
(SA: history_coastal)	372,	373,	621,	622,	624,
	672,	674,	675,	723,	744,
	751,	869,	882,	892,	1027,
	1132,	1186,	1227a,	1267,	1395,
	1486,	1865a,	1875,	2100,	2117
SHORELINE_LAKE BREEZE	1293,	1422,	1425,	1542	
SHORELINE_LAKE LEVELS	188,	203,	264,	265,	269,
	402,	403,	515,	523,	557,
	574,	597,	672,	723,	731,
	737,	742,	744,	774,	775,
	809,	811,	821,	822,	823,
	892,	895,	966b,	983,	1027,
	1042,	1045,	1075,	1132,	1151,
	1180,	1185,	1215,	1227a,	1394,
	1438,	1615,	1875,	1876,	2102,
	2105,	2111,	2115,	2118,	2325,
	2407				
SHORELINE_LAND USE	47,	53,	72,	249,	322,
	323,	339,	363,	372,	373,
	480,	535,	738,	745,	751,
	763,	844,	846,	881,	882,

SHORELINE_LAND USE (continued)	960, 964, 1042, 1085, 1186, 1216, 1267, 1395, 1632, 1791, 2099, 2100, 2102, 2116, 2117, 2122, 2239, 2240, 2326
SHORELINE_MAPPING (S: mapping_shoreline)	
SHORELINE_RECESSION	73, 203, 259, 295, 401, 403, 490, 510, 557, 567, (SA: bluff recession) 597, 660, 761, 816, 869, (SA: shoreline_erosion) 983, 1027, 1151, 1185, 1186, 1215, 1227a, 1238, 1328, 1410, 1615, 1617, 1875, 1882, 2099, 2100, 2102, 2116, 2408
SHORELINE_RECREATION	47, 53, 71, 188, 322, 323, 363, 372, 373, 480, 535, 742, 745, 751, 774, 775, 819, 846, 895, 960, 1042, 1045, 1075, 1085, 1216, 2101, 2111, 2124
SHORELINE_STRATIGRAPHY	217, 566, 567, 568, 569, 621, 622, 623, 624, 672, 1027, 1238
SHORELINE_URBAN	188, 322, 363, 372, 373, 398, 658, 738, 1045, 1085, 1186, 1216, 1300, 1865a
SHORELINE_VEGETATION	27, 203, 510, 816, 833, 892, 962b, 1205, 1398, 1998, 2441
SIDA	699, 2312
SILICA	65, 91, 92, 180, 184, 186, 189, 237, 325, 332, 335, 336, 375, 417, 427, 629, 641, 686, 765, 835, 912, 934, 1014, 1025, 1104, 1129, 1159, 1160, 1161, 1222, 1335, 1406, 1559, 1560, 1561, 1562, 1647, 1705, 1706, 1714, 1717, 1719, 1773, 1777, 1779, 1833, 1834, 1835, 1837, 1838, 1840, 1841, 1843, 1844, 1936, 2012, 2017, 2018, 2055, 2085, 2095, 2165, 2187, 2231, 2238, 2241c, 2275, 2287, 2333, 2421, 2422, 2433
SILT	15, 96, 101, 111, 205, 241, 325, 430, 433, 468, 566, 568, 612, 648, 882, 1188, 1190, 1227b, 1238, 1240, 1241, 1242, 1244, 1309, 1310, 1418, 1419, 1608, 1609, 1652,

SILT (continued)	1654, 1905, 1947, 2007, 2074, 2297
SILVER	648, 649, 740, 815, 955, 967, 1030, 1725, 2085, 2287
SILVER LAMPREY	1321, 1906
SILVER REDHORSE (S: redhorse)	
SILVERSIDE	166
SIMULIIDAE (SA: diptera)	967
SKISTODIAPTOMUS	2083
SMALLMOUTH BASS	223, 428, 1193, 1492, 1585, 1683, 1752, 1828, 1970, 2279, 2281
SMELT	166, 197, 223, 272, 273, 306, 365, 366, 367, 382, 428, 545, 553, 555, 619, 651, 656, 726, 754, 774, 775, 834, 836, 837, 898, 909, 1066, 1098, 1133, 1145, 1266, 1267, 1269, 1308, 1526, 1550, 1680, 1687, 1688, 1689, 1691, 1734, 1735, 1752, 1886, 1922, 1926, 1963, 2050, 2065, 2219, 2262, 2279, 2281, 2289, 2301, 2303, 2304, 2314, 2322, 2323, 2415, 2424
SNAILS	150, 468, 551, 612, 644, 685, 905, 933, 967, 972, 974, 980, 994, 1149, 1151, 1381, 1452, 1492, 1584, 1826, 2189, 2248
SNAKES (SA: reptiles)	1261, 1593
SNOW (SA: precipitation)	82, 83, 84, 85, 132, 137, 162, 226, 227, 284, 353, 354, 355, 356, 470, 532, 606, 813, 814, 1139, 1296, 1298, 1366, 1595, 1757, 1760, 1761, 1762, 1763a, 2026, 2060, 2243, 2339
SOCIO-ECONOMICS (SA: economics)	71, 188, 535, 614, 635, 790, 847, 959, 1045, 1375, 1849, 1850, 2024, 2099, 2130, 2133, 2138, 2228, 2232
SOCIOLOGY	298, 299, 300, 302, 310, 535, 537, 538, 539, 540, 541, 542, 543, 812, 1027, 1865a, 2199
SOCKEYE SALMON (S: Kokanee salmon)	

SODIUM	8,	9,	66,	92,	138,
	174,	178,	180,	186,	189,
	325,	381,	585,	610,	686,
	817,	818,	838,	839,	954,
	1011,	1104,	1159,	1160,	1161,
	1200,	1222,	1262,	1335,	1705,
	1706,	1712,	1718,	1767,	1772,
	1773,	1788,	1977,	1978,	1979,
	2085,	2095,	2165,	2187,	2231,
	2270,	2309			
SOILS	240,	361,	386,	566,	688,
	739,	763,	881,	967,	1049,
	1089,	1137,	1363,	1394,	1411,
	1497,	1631,	1917,	1980,	1997,
	1998,	2102,	2205,	2221,	2374
SORPTION (SA: adsorption)	63,	1212,	1338,	1563,	1774,
	1897,	2286,	2289,	2293,	2294,
	2298,	2424			
SPECIFIC CONDUCTANCE (S: conductivity)					
SPHAERIIDAE (SA: clams)	23,	24,	107,	110,	113,
	418,	551,	612,	644,	853,
	867,	967,	972,	974,	980,
	994,	1448,	1449,	1451,	1452,
	1648,	1649,	1651,	1655,	1723,
	1727,	1826,	1837,	2007,	2189
SPLAKE	774,	775,	1683,	1922	
SPONGE (S: Porifera)					
SPORT FISHING	52,	233,	320,	323,	440,
	441,	461,	480,	536,	538,
	539,	540,	541,	543,	611,
	724,	754,	773,	880,	1045,
	1067,	1068,	1069,	1070,	1071,
	1100,	1216,	1258,	1266,	1267,
	1302,	1501,	1565,	1585,	1662,
	1924,	1949,	1950,	1955,	1963,
	1970,	1972,	2009,	2024,	2025,
	2048,	2049,	2050,	2052,	2075,
	2076,	2180,	2278,	2323,	2415
SPOTTAIL SHINER (SA: shiner)	155,	197,	382,	428,	551,
	553,	598,	619,	727,	994,
	1098,	1269,	2314,	2321,	2419,
	2420				
STEELHEAD TROUT (SA: trout)	825,	1070,	1071,	1860,	1985,
	2052				
STEPHANODISCUS	115,	124,	714,	913,	994,
(SA: diatoms)	1350,	1839,	2016,	2017,	2020,
	2189,	2231,	2250,	2253,	2257,
	2270				

STICKLEBACK	32, 166, 382, 553, 834, 1098, 1790, 2050, 2065, 2323
STORMS	73, 78, 99, 162, 189, 254, 351, 353, 354, 355, 356, 357, 450, 469, 470, 486, 491, 492, 497, 503, 504, 505, 506, 507, 509, 574, 660, 662, 664, 665, 672, 710, 765, 869, 942, 983, 1027, 1106, 1180, 1207, 1232, 1256, 1278, 1301, 1326, 1424, 1467, 1610, 1626, 1627, 1663, 1716, 2023, 2028, 2029, 2030, 2060, 2097, 2100, 2103, 2115, 2241a, 2275
STRATIFICATION (SA: thermocline)	97, 102, 156, 162, 167, 168, 199, 201, 202, 243, 309, 325, 340, 444, 445, 630, 631, 683, 830, 831, 832, 875, 944, 945, 957, 967, 972, 974, 980, 1105, 1135, 1136, 1213, 1223, 1224, 1232, 1233, 1285, 1318, 1319, 1325, 1374, 1428, 1430, 1431, 1434, 1438, 1440, 1442, 1452, 1503, 1504, 1505, 1507, 1509, 1512, 1514, 1618, 1634, 1635, 1738, 1803, 1807, 1808, 1814, 1817, 1824, 1828, 1843, 1844, 1868, 1999, 2042, 2166, 2219, 2245, 2268, 2275, 2289, 2298, 2434
STRATIGRAPHY	217, 296, 381, 433, 566,
(SA: mapping_stratigraphy)	567, 568, 569, 621, 622, 623, 624, 625, 671, 672, 687, 688, 798, 799, 917, 981, 1027, 1102, 1187, 1188, 1190, 1222, 1238, 1240, 1243, 1244, 1245, 1397, 1496, 1715, 1887, 2241b, 2273, 2345, 2346, 2405
STREAM (S: tributaries)	
STREPTOCOCCI (S: bacteria)	
STRONTIUM	9, 92, 106, 138, 584, 827, 1220, 1223, 1224, 1311, 1335, 1336, 1419, 1625, 1712, 1718, 1773, 2289, 2290, 2292, 2293, 2294, 2296, 2309, 2424
STURGEON	166, 223, 366, 555, 1098, 1475, 1922, 1926, 2322, 2323

SUBMARINE STUDIES	38, 1653, 1731, 1944, 1948, 2223
SUCKER	166, 223, 382, 428, 553, 555, 693, 754, 774, 775, 994, 1098, 1125, 1140, 1399, 1492, 1687, 1688, 1752, 1790, 1873, 1922, 1970, 2009, 2065, 2219, 2262, 2265, 2303, 2304, 2323
SULFATE	7, 66, 100, 113, 152, 174, 175, 176, 178, 180, 185, 186, 309, 325, 427, 954, 967, 969, 971, 972, 980, 987, 988, 1104, 1159, 1160, 1161, 1175, 1211, 1262, 1335, 1411, 1553, 1558, 1618, 1647, 1705, 1706, 1767, 1826, 1827, 1829, 1833, 1837, 1936, 2095, 2165, 2187, 2195, 2231, 2254, 2255, 2258a, 2258b, 2270, 2433
SULFIDE	954, 1905
SULFUR	62, 189, 371, 381, 686, 765, 838, 1123, 1137, 1165, 1201, 1222, 1250, 1282, 1285, 1286, 1287, 1289, 1300, 1522, 1558, 1644, 1828, 2085, 2135, 2309, 2329
SULFUR DIOXIDE	686, 1201, 1282, 1285, 1286, 1287, 1289, 1558, 2329
SUMMARY (general) (SA: review)	634, 1131
SUMMARY ATMOSPHERIC DEPOSITION/ TRANSPORT	596, 827, 1027, 1806
SUMMARY_BIRDS	139, 1390
SUMMARY_CIRCULATION	182, 1257, 1390, 1673
SUMMARY_EUTROPHICATION	5, 64, 172, 182, 207, 310, 332, 347, 1027, 1037, 1058, 1259, 1488, 1543, 1673, 1889, 1926, 1927, 2047, 2094, 2096
SUMMARY_FISH	62, 64, 106, 172, 182, 209, 277, 310, 332, 347, 411, 555, 579, 614, 734, 766, 774, 900, 1027, 1037, 1038, 1039, 1058, 1059, 1076, 1259, 1390, 1399, 1673, 1743, 1785, 1926, 1927, 1928, 1956, 2048, 2049, 2050, 2066, 2234

SUMMARY_FISHERIES	207, 579, 614, 774, 1076, 1399, 1785
SUMMARY_GEOLOGY	207, 249, 363, 452, 614, 734, 736, 763, 766, 774, 1027, 1056, 1110, 1119, 1153, 1220, 1390, 1395, 1557, 1673, 1783, 2094, 2096, 2148, 2222, 2224, 2225, 2226, 2227, 2234, 2241a, 2345
SUMMARY_HYDROLOGY	182, 515, 523, 984, 1050, 1051, 1131, 1642, 1673, 2123, 2401, 2443
SUMMARY_INORGANICS	5, 62, 64, 106, 172, 182, 207, 310, 332, 347, 596, 800, 827, 984, 1027, 1037, 1038, 1039, 1056, 1058, 1059, 1111, 1220, 1259, 1488, 1618, 1673, 1806, 1889, 1926, 1956, 2047, 2050, 2094, 2096, 2241c
SUMMARY_LAKE LEVELS	310, 515, 523, 530b, 614, 736, 774, 823, 1027, 1050, 1051, 1119, 1131, 1254, 1257, 1390, 1477, 1783, 2401, 2443
SUMMARY_LAND USE	62, 207, 249, 363, 614, 734, 735, 738, 763, 766, 767, 1054, 1056, 1395, 1927, 2123
SUMMARY_METEOROLOGY	62, 172, 523, 984, 1050, 1051, 1473, 1763b, 1931
SUMMARY_ORGANICS	62, 106, 207, 310, 763, 800, 1027, 1037, 1038, 1039, 1056, 1058, 1059, 1230, 1231, 1641, 1673, 2050, 2241c
SUMMARY_PHYTOPLANKTON	5, 62, 64, 106, 182, 310, 332, 347, 984, 1027, 1390, 1743, 1889, 1956, 2047
SUMMARY_TEMPERATURE	62, 182, 310, 347, 984, 1390, 1473, 1618, 1636, 1673, 1743, 1763, 1931, 2241
SUMMARY_THERMAL_POLLUTION	62, 64, 190, 411, 984, 1027, 1037, 1058, 1543, 1636, 1806, 1931, 1956, 2066
SUMMARY_WATER QUALITY	5, 62, 64, 90, 106, 172, 182, 207, 305, 310, 332, 479, 614, 734, 735, 741, 763, 766, 767, 774, 800, 984, 1027, 1037, 1038, 1039, 1054, 1056, 1058, 1059,

SUMMARY_WATER QUALITY (continued)	1111, 1153, 1220, 1390, 1391, 1395, 1543, 1641, 1642, 1743, 1927, 2094, 2096, 2123, 2136, 2241c
SUMMARY_ZOOPLANKTON	64, 106, 190, 310, 332, 347, 1027, 1743, 1956
SUNFISH (SA: bluegill)	166, 211, 220, 223, 428, 1000, 1140, 1399, 1492, 1584, 2265
SURFACE MICROLAYER (S: air-water interface)	
SURVEILLANCE (S: monitoring)	
SUSPENDED SEDIMENTS (S: suspended solids)	
SUSPENDED SOLIDS	11, 12, 120, 124, 189, 610, 800, 844, 952, 1057, 1175, 1211, 1221, 1222, 1226, 1340, 1500, 1580, 1608, 1625, 1655, 1795, 1797, 1828, 1936, 1982, 2085, 2094, 2095, 2096, 2170, 2195, 2204, 2231, 2250, 2364, 2366
SYNEDRA (SA: diatoms)	105, 694, 719, 1320, 1837, 1839, 1843, 2016, 2018, 2020, 2167, 2189, 2250, 2257, 2270
TABELLARIA (SA: diatoms)	694, 913, 994, 1315, 1316, 1325, 1837, 1843, 2017, 2020, 2167, 2189, 2257, 2270
TEMPERATURE (general)	97, 191, 192, 193, 194, (SA: air_temperature) 216, 229, 243, 325, 398, (SA: thermal_pollution) 477, 574, 630, 652, 676, 706, 860, 1011, 1213, 1229, 1278, 1279, 1281, 1356, 1363, 1408, 1411, 1422, 1425, 1431, 1437, 1504, 1508, 1619, 1640, 1738, 1739, 1788, 1803, 1810, 1812, 1815, 1844, 1877, 2028, 2029, 2095, 2120, 2164, 2195, 2241a, 2377, 2433
TEMPERATURE_BENTHIC_INVERTEBRATES (S: benthic_invertebrates_temperature)	
TEMPERATURE_DISTRIBUTION	16, 65, 92, 110, 365, 375, 391, 530b, 620, 629, 631, 765, 835, 870, 871, 900, 909, 912, 956, 994, 998, 1006, 1018, 1098, 1225, 1294, 1368, 1374, 1406, 1489, 1569, 1659, 1707, 1743, 1755, 1779, 1797, 1827, 1837, 1842,

TEMPERATURE_DISTRIBUTION (continued) ... 1844, 1932, 1934, 1955, 1965,
1966, 1967, 1972, 1999, 2083,
2298, 2309, 2312, 2313, 2314,
2315

TEMPERATURE_FISH (S: fish_temperature)

TEMPERATURE_HISTORY
(S: history_temperature)

TEMPERATURE_ICE 11, 61, 82, 83, 84,
85, 86, 88, 89, 99,
132, 133, 137, 162, 189,
221, 222, 231, 297, 765,
818, 849, 850, 851, 958,
1049, 1151, 1225, 1232, 1309,
1332, 1503, 1510, 1511, 1513,
1525, 1529, 1610, 1701, 1741,
1742, 1756, 1757, 1758, 1759,
1760, 1761, 1762, 1763a, 1763b,
1879, 1932, 1933, 1934, 2034,
2257, 2267, 2348

TEMPERATURE_INVERTEBRATES
(S: invertebrates_temperature)

TEMPERATURE_MAPPING
(S: mapping_temperature)

TEMPERATURE_MODEL
(S: model_temperature)

TEMPERATURE_MONITORING
(S: monitoring_temperature)

TEMPERATURE_PHYTOPLANKTON
(S: phytoplankton_temperature)

TEMPERATURE_REMOTE SENSING 84, 85, 88, 89, 137,
221, 222, 287, 343, 346,
983, 1109, 1285, 1290, 1296,
1314, 1329, 1514, 1540, 1707,
1793, 1821, 1822, 1932, 1934,
2027, 2034, 2036, 2203, 2404

TEMPERATURE_RESEARCH NEEDS
(S: research_needs_temperature)

TEMPERATURE_SEASONAL VARIATION 9, 11, 16, 92, 168,
199, 288, 340, 355, 357,
467, 512, 802, 875, 935,
936, 944, 945, 957, 967,
979, 980, 1006, 1109, 1157,
1282, 1287, 1294, 1301, 1318,
1377, 1378, 1430, 1434, 1438,
1440, 1452, 1473, 1505, 1506,
1507, 1512, 1594, 1618, 1634,
1659, 1701, 1738, 1755, 1777,
1795, 1808, 1809, 1955, 2042,

TEMPERATURE SEASONAL VARIATION	2085, 2165, 2166, 2172, 2245,
(continued)	2298
TEMPERATURE SUMMARY	
(S: summary_temperature)	
TEMPERATURE THERMAL POLLUTION	
(S: thermal_pollution)	
TEMPERATURE ZOOPLANKTON	
(S: zooplankton_temperature)	
TERNS	1270, 1271, 1273, 1274
THERMAL BAR	64, 168, 935, 938, 1011,
	1434, 1509, 1733, 1738, 2011
THERMAL PLUME	1, 2, 62, 64, 65,
(SA: thermal_pollution)	76, 80, 107, 110, 118,
	119, 126, 127, 167, 168,
	195, 318, 342, 382, 384,
	447, 575, 576, 585, 678,
	679, 680, 681, 682, 683,
	684, 692, 793, 807, 905,
	906, 957, 993, 997, 1025,
	1150, 1151, 1169, 1182, 1233,
	1314, 1329, 1509, 1552, 1556,
	1578, 1582, 1637, 1659, 1660,
	1746, 1748, 1750, 1804, 1822,
	1898, 1936, 1955, 1957, 1958,
	1959, 1961, 1962, 1964, 1965,
	1966, 1968, 1969, 1972, 1974,
	2011, 2058, 2077, 2078, 2231,
	2366, 2404, 2417, 2421
THERMAL POLLUTION (general)	168, 318, 371, 408, 409,
(SA: power plants)	410, 412, 473, 528, 684,
(SA: thermal plume)	743, 753, 793, 807, 997,
(SA: temperature)	1010, 1211, 1216, 1246, 1442,
	1544, 1806, 1822, 2004, 2058,
	2071, 2200, 2404
THERMAL POLLUTION DISPERSION	
(S: dispersion_thermal_pollution)	
THERMAL POLLUTION, EFFECTS ON	
BIOTA (general, no specific	39, 42, 44, 45, 51,
taxa given)	54, 108, 164, 266, 314,
(SA: power plants, effects on biota)	407, 605, 681, 948, 989,
	1021, 1164, 1392, 1543, 1836,
	2186, 2192, 2197, 2198, 2207,
	2208, 2209, 2210, 2211, 2212,
	2214, 2332, 2386, 2389, 2390,
	2391, 2392, 2393, 2394, 2395,
	2396, 2398, 2399
THERMAL POLLUTION, EFFECTS	
ON BACTERIA	765, 952, 1014, 1027, 1029,
	1058, 1175, 1558, 1827, 1936,

THERMAL POLLUTION, EFFECTS ON BACTERIA (continued)	1982, 2190, 2201, 2219, 2231, 2333, 2400
THERMAL POLLUTION, EFFECTS ON BENTHIC INVERTEBRATES	62, 64, 107, 110, 169, 170, 315, 765, 905, 1015, 1020, 1024, 1027, 1091, 1092, 1149, 1151, 1383, 1449, 1452, 1528, 1578, 1582, 1635, 1827, 1936, 1956, 1961, 2090, 2231, 2323, 2366, 2385, 2400
THERMAL POLLUTION, EFFECTS ON FISH (S: fish_thermal_pollution)	
THERMAL POLLUTION, EFFECTS ON INVERTEBRATES	62, 64, 65, 107, 110, 167, 169, 170, 181, 190, 195, 315, 431, 765, 801, 905, 1006, 1015, 1018, 1020, 1024, 1027, 1091, 1092, 1149, 1151, 1383, 1449, 1452, 1528, 1578, 1827, 1936, 1956, 1961, 2090, 2219, 2231, 2322, 2323, 2366, 2385, 2400
THERMAL POLLUTION, EFFECTS ON PERIPHYTON	64, 169, 905, 1005, 1014, 1975, 2231, 2385, 2400
THERMAL POLLUTION, EFFECTS ON PHYTOPLANKTON (S: phytoplankton_thermal_pollution)	
THERMAL POLLUTION, EFFECTS ON ZOOPLANKTON (S: zooplankton_thermal_pollution)	
THERMAL POLLUTION_MAPPING (S: mapping_thermal_pollution)	
THERMAL POLLUTION_MODEL (S: model_thermal_pollution)	
THERMAL POLLUTION_MONITORING (S: monitoring_thermal_pollution)	
THERMAL POLLUTION_REVIEW (S: review_thermal_pollution)	
THERMAL POLLUTION_SUMMARY (S: summary_thermal_pollution)	
THERMOCLINE	200, 443, 444, 830, 945, 1135, 1136, 1229, 1318, 1431, 1443, 1504, 1803, 2166, 2245
THORIUM	584, 585, 594, 2086

TIDES	450, 502, 506, 744, 765, 852, 1088, 1257, 1429, 1439, 1441
TILL	66, 204, 205, 217, 264, 265, 566, 567, 568, 597, 621, 622, 623, 625, 626, 715, 917, 983, 1238, 1240, 1242, 1243, 1244, 1397, 1917, 1944, 1947, 2302, 2346
TIN	815, 2287
TITANIUM	686, 707, 1222
TOADS (SA: amphibians)	1261, 1593
TOPOGRAPHY (LAND)	203, 820, 962b, 1339
TOPOGRAPHY_BENTHIC	78, 98, 194, 201, 202, 205, 485, 486, 491, 498, 499, 502, 504, 505, 506, 508, 549, 663, 664, 665, 674, 675, 917, 921, 943, 1084, 1227b, 1244, 1245, 1265, 1359, 1360, 1361, 1433, 1438, 1468, 1582, 1608, 1635, 1654, 1677, 1678, 1816, 1818, 1880, 1940, 1941, 1943, 1947, 2092
TOTAL DISSOLVED SOLIDS	97, 152, 154, 176, 309, (SA: dissolved solids) 958, 995, 999, 1104, 1111, 1250, 1362, 1569, 1647, 2135
TOURISM	750, 829, 1949, 1950, 2024, (SA: recreation) 2025, 2180
TOXAPHENE	967, 1026 (SA: organochlorine pesticides)
TOXICITY	34, 60, 95, 185, 854, (SA: bioassay; SA: toxics) 855, 1027, 1034, 1122, 1142, 1333, 1409, 2250
TOXICS (SA: specific compounds)	
TOXICS_BIOACCUMULATION	
(S: bioaccumulation_toxics)	
TOXICS_BENTHIC_INVERTEBRATES	
(S: benthic_invertebrates_toxics)	
TOXICS_BIRDS	31, 95, 238, 627, 633, 716, 873, 885, 886, 887, 952, 1114, 1115, 1272, 1276, 1277, 1409, 1484, 1604, 1827, 1831, 2221
TOXICS_CYCLING	310, 596, 1027, 1062, 1884, 2085, 2221, 2429
TOXICS_FISH	59, 93, 95, 208, 223, (SA: fish_organics) 238, 310, 427, 428, 440,

TOXICS_FISH (continued) 471, 522, 524, 595, 754,
 776, 835, 836, 837, 862,
 863, 885, 886, 879, 887,
 924, 951, 952, 962a, 967,
 968, 972, 974, 979, 1027,
 1030, 1034, 1037, 1039, 1058,
 1061, 1083, 1089, 1099, 1122,
 1139, 1140, 1141, 1142, 1143,
 1145, 1178, 1179, 1217, 1219,
 1237, 1269, 1272, 1308, 1409,
 1487, 1591, 1630, 1673, 1690,
 1692, 1693, 1825, 1827, 1828,
 1829, 1872, 1930, 1959, 1968,
 1981, 2039, 2050, 2065, 2079,
 2189, 2190, 2205, 2218, 2221,
 2259, 2261, 2262, 2265, 2310,
 2323, 2336, 2338, 2424
 TOXICS_HUMAN HEALTH 95, 223, 425, 951, 962a,
 967, 968, 972, 974, 979,
 1029, 1039, 1040, 1140, 1141,
 1142, 1237, 1690, 1693, 1827,
 1828, 1829, 1930, 2160, 2201,
 2221, 2261, 2310, 2335
 TOXICS_INVERTEBRATES 34, 41, 92, 208, 310,
 425, 427, 428, 702, 817,
 837, 885, 886, 887, 930,
 967, 972, 974, 1027, 1030,
 1220, 1333, 1337, 1604, 1706,
 1725, 1827, 1828, 1884, 1935,
 1936, 2039, 2050, 2079, 2189,
 2323, 2424
 TOXICS_LOADING 92, 208, 524, 531, 571,
 648, 649, 885, 886, 955,
 1029, 1036, 1037, 1040, 1058,
 1089, 1139, 1706, 1827, 1828,
 1884, 1936, 1953, 2160, 2189,
 2205, 2259, 2260, 2264, 2368
 TOXICS_MAMMALS 93, 95, 1027
 TOXICS_METALS (includes trace metals) .. 34, 41, 92, 208, 223,
 360, 425, 427, 524, 591,
 595, 596, 627, 648, 649,
 836, 862, 879, 952, 955,
 962a, 968, 972, 974, 1027,
 1030, 1034, 1037, 1058, 1062,
 1140, 1141, 1145, 1178, 1211,
 1220, 1222, 1269, 1330, 1333,
 1337, 1604, 1706, 1725, 1827,
 1828, 1829, 1872, 1884, 1936,
 1959, 1968, 2065, 2085, 2088,
 2160, 2201, 2221, 2335, 2365,
 2424, 2429
 TOXICS_MONITORING (S: monitoring_toxics)

TOXICS_ORGANICS	31,	37,	59,	93,	95,
	153,	208,	223,	263,	310,
	362,	471,	522,	524,	531,
	571,	580,	627,	719,	721,
	754,	762,	835,	836,	837,
	863,	885,	886,	887,	923,
	924,	951,	952,	962a,	967,
	968,	972,	974,	979,	991,
	1027,	1029,	1030,	1036,	1037,
	1039,	1040,	1058,	1061,	1083,
	1089,	1099,	1114,	1115,	1122,
	1139,	1142,	1143,	1177,	1179,
	1211,	1212,	1217,	1219,	1222,
	1230,	1231,	1237,	1272,	1276,
	1277,	1308,	1345,	1484,	1487,
	1591,	1630,	1673,	1690,	1692,
	1693,	1706,	1825,	1827,	1828,
	1829,	1831,	1930,	1935,	1936,
	1953,	2050,	2085,	2160,	2175,
	2189,	2190,	2191,	2193,	2194,
	2201,	2205,	2215,	2259,	2260,
	2261,	2262,	2263,	2264,	2265,
	2310,	2323,	2336,	2338,	2358,
	2368				
TOXICS_PHYTOPLANKTON	34,	92,	208,	310,	427,
	428,	702,	719,	835,	962a,
	967,	968,	972,	974,	979,
	1027,	1089,	1212,	1706,	1725,
	1827,	1828,	1884,	1935,	1936,
	2160,	2189,	2190,	2323,	2424
TOXICS_SEDIMENTS	92,	95,	208,	238,	360,
	427,	471,	524,	580,	591,
	596,	648,	649,	702,	721,
	762,	879,	887,	930,	955,
	962a,	967,	972,	974,	1027,
	1089,	1139,	1178,	1179,	1219,
	1220,	1222,	1345,	1825,	1827,
	1828,	1884,	1935,	1936,	1953,
	2085,	2189,	2221,	2260,	2365,
	2368,	2424			
TOXICS_TRANSPORT	95,	425,	524,	591,	967,
	979,	1027,	1029,	1062,	1222,
	1725,	1884,	1936,	2085,	2189,
	2221,	2429			
TOXICS_UPTAKE	425,	427,	702,	1308,	1142,
(SA: bioaccumulation_toxics)	1725,	1884,	1959,	1968,	2261
TOXICS_WATER QUALITY	37,	41,	92,	95,	153,
	208,	210,	263,	310,	360,
	362,	425,	524,	571,	580,
	648,	649,	702,	716,	721,
	762,	885,	886,	879,	887,
	930,	952,	955,	962a,	967,

TOXICS_WATER QUALITY (continued)	968,	972,	974,	991,	1027,
	1029,	1030,	1031,	1034,	1035,
	1036,	1037,	1039,	1040,	1058,
	1062,	1089,	1177,	1178,	1179,
	1211,	1212,	1220,	1230,	1231,
	1330,	1333,	1387,	1543,	1639,
	1690,	1706,	1825,	1827,	1828,
	1829,	1935,	1936,	1953,	2039,
	2085,	2088,	2160,	2171,	2175,
	2176,	2177,	2181,	2183,	2184,
	2189,	2190,	2191,	2193,	2194,
	2196,	2201,	2205,	2218,	2221,
	2260,	2263,	2264,	2323,	2335,
	2358,	2365,	2368,	2429	
TOXICS_ZOOPLANKTON	34,	41,	92,	310,	425,
	427,	428,	702,	972,	1027,
	1220,	1333,	1337,	1706,	1725,
	1828,	1884,	1935,	1936,	2050,
	2189,	2323,	2424		
TRACE METALS					
(SA: specific trace metals)					
(SA: metals)					
TRACE METALS ATMOSPHERIC					
DEPOSITION/POLLUTION	16,	33,	371,	386,	425,
	524,	583,	587,	590,	592,
	593,	596,	644,	646,	707,
	708,	709,	710,	718,	743,
	827,	828,	838,	877,	1027,
	1103,	1137,	1222,	1223,	1290,
	1334,	1490,	1558,	1713,	1714,
	1789,	1884,	1894,	1895,	1896,
	1901,	2095,	2289,	2290,	2296,
	2298,	2329,	2354,	2355,	2356
TRACE METALS_BIOACCUMULATION	41,	106,	425,	427,	428,
(SA: metals_bioaccumulation)	586,	596,	627,	685,	862,
(SA: metals_uptake)	879,	1127,	1128,	1140,	1141,
	1178,	1269,	1334,	1338,	1445,
	1491,	1558,	1604,	1706,	1826,
	1827,	1957,	1958,	1959,	1968,
	2065,	2286,	2289,	2301,	2335,
	2424				
TRACE METALS_BIOTA	9,	41,	64,	65,	66,
(SA: benthic_invertebrates_metals)	92,	106,	177,	208,	223,
(SA: fish_metals)	425,	426,	427,	428,	474,
(SA: invertebrates_metals)	524,	585,	586,	595,	596,
(SA: phytoplankton_metals)	610,	627,	644,	685,	706,
(SA: zooplankton_metals)	765,	800,	836,	862,	879,
	952a,	967,	968,	969,	971,
	972,	973,	974,	980,	994,
	1014,	1026,	1027,	1030,	1034,
	1037,	1038,	1058,	1104,	1127,
	1128,	1140,	1141,	1145,	1175,

TRACE METALS_BIOTA (continued)	1178, 1220, 1269, 1333, 1334, 1336, 1337, 1338, 1400, 1445, 1491, 1493, 1558, 1604, 1706, 1710, 1826, 1827, 1828, 1833, 1872, 1884, 1936, 1957, 1958, 1959, 1968, 1977, 1979, 2065, 2094, 2095, 2096, 2160, 2187, 2195, 2201, 2221, 2231, 2254, 2258b, 2270, 2286, 2289, 2293, 2294, 2301, 2335, 2385, 2424
TRACE METALS_CYCLING	17, 18, 65, 69, 583, 585, 596, 1027, 1062, 1224, 1336, 1344, 1709, 1884, 2085, 2221, 2286, 2289, 2290, 2291, 2293, 2294, 2296, 2298, 2429
TRACE METALS_DEPOSITION (S: deposition_metals)	
TRACE METALS_DISCHARGE	64, 69, 138, 386, 800, 967, 968, 972, 973, 974, 1007, 1014, 1037, 1057, 1127, 1128, 1211, 1445, 1493, 1558, 1624, 1826, 1827, 1828, 1833, 1936, 1977, 2160, 2187, 2195, 2231, 2238, 2254, 2289, 2333, 2354, 2385
TRACE METALS_DISTRIBUTION	14, 16, 17, 18, 65, 92, 138, 149, 177, 324, 427, 428, 583, 585, 589,, 590, 592, 593, 765, 798, 815, 828, 836, 838, 994, 1123, 1103, 1145, 1218, 1221, 1222, 1330, 1418, 1419, 1500, 1522, 1621, 1625, 1706, 1709, 1712, 1713, 1714, 1716, 1782, 1827, 1884, 1891, 1904, 1905, 1936, 1959, 2088, 2286, 2288, 2289, 2296, 2298, 2309, 2335, 2424
TRACE METALS_FERROMANGANESE NODULES (S: ferromanganese nodules)	
TRACE METALS_LOADING	92, 106, 138, 177, 208, 386, 524, 587, 588, 593, 648, 649, 707, 708, 743, 765, 768, 800, 955, 1037, 1038, 1057, 1058, 1137, 1159, 1223, 1493, 1500, 1553, 1706, 1713, 1789, 1827, 1828, 1833, 1862, 1884, 1894, 1895, 1896, 1901, 1904, 1936, 1976, 1977, 2160, 2187, 2238, 2254, 2329, 2354, 2355, 2356, 2433

TRACE METALS_MODEL
(S: model_metals)

TRACE METALS_RADIONUCLIDES 13, 14, 15, 16, 17,
18, 64, 65, 106, 427,
428, 583, 585, 587, 588,
589, 590, 591, 593, 596,
644, 685, 743, 765, 827,
828, 971, 972, 974, 980,
1058, 1103, 1127, 1128, 1223,
1224, 1334, 1336, 1338, 1445,
1490, 1491, 1493, 1494, 1621,
1624, 1625, 1709, 1713, 1714,
1715, 1716, 1725, 1827, 1828,
1957, 1958, 1959, 1968, 2286,
2288, 2289, 2290, 2291, 2292,
2293, 2294, 2296, 2298, 2301,
2424

TRACE METALS_SEDIMENTS 15, 18, 65, 66, 69,
92, 106, 138, 149, 208,
325, 327, 360, 381, 386,
426, 427, 524, 583, 585,
587, 588, 589, 590, 591,
592, 593, 594, 596, 648,
649, 685, 686, 707, 715,
740, 765, 768, 798, 815,
818, 879, 903, 955, 962a,
967, 972, 974, 980, 1027,
1057, 1103, 1123, 1159, 1165,
1168, 1178, 1220, 1221, 1222,
1224, 1242, 1334, 1336, 1382,
1418, 1419, 1435, 1445, 1500,
1522, 1558, 1609, 1621, 1624,
1625, 1709, 1712, 1713, 1714,
1715, 1716, 1718, 1769, 1770,
1771, 1772, 1773, 1782, 1789,
1826, 1827, 1828, 1833, 1857,
1884, 1891, 1892, 1904, 1905,
1936, 1958, 1976, 1977, 1990,
2085, 2086, 2093, 2094, 2095,
2096, 2120, 2135, 2221, 2231,
2286, 2288, 2289, 2293, 2296,
2298, 2328, 2424

TRACE METALS_TRANSPORT 15, 18, 65, 386, 425,
524, 588, 591, 646, 708,
718, 877, 967, 1027, 1062,
1218, 1221, 1222, 1290, 1334,
1490, 1500, 1624, 1725, 1884,
1894, 1895, 1896, 1901, 1936,
2085, 2221, 2289, 2429

TRACE METALS_TRIBUTARIES 9, 18, 66, 92, 106,
138, 189, 208, 386, 587,
592, 648, 649, 768, 800,
954, 955, 967, 968, 974,

TRACE METALS_TRIBUTARIES (continued) ... 987, 988, 1027, 1057, 1137,
1140, 1178, 1221, 1418, 1500,
1624, 1710, 1718, 1767, 1769,
1827, 1828, 1833, 1884, 1904,
1905, 1936, 1976, 1977, 2187,
2195, 2231, 2238, 2254, 2258b,
2287, 2333, 2354, 2356, 2433

TRACE METALS_UPTAKE
(S: metals_uptake)

TRACE METALS_WATER QUALITY
(S: metals_water quality)

TRACER (S: radionuclides)

TRANSPARENCY (SA: light) 124, 173, 287, 765, 947,
969, 1173, 1406, 1438, 1518,
1568, 1618, 1790, 1833, 1834,
1948, 2085, 2167, 2223, 2366

TRANSPORTATION 143, 224, 480, 548, 736,
(SA: navigation) 742, 755, 762, 966a, 1048,
(SA: shipping) 1456, 1845, 1847, 1850, 1851,
1852, 1858, 2230, 2354

TREES (S: forests)

TRIBUTARIES_BROOK LAMPREY 1321, 1322, 1915

TRIBUTARIES_DISCHARGE 11, 12, 110, 138, 285,
286, 337, 386, 434, 513,
800, 967, 968, 974, 984,
1040, 1057, 1080, 1087, 1183,
1210, 1349, 1391, 1401, 1462,
1580, 1608, 1622, 1624, 1704,
1795, 1796, 1797, 1827, 1828,
1833, 1839, 1869, 1936, 1937,
1977, 2186, 2187, 2189, 2190,
2192, 2195, 2197, 2198, 2207,
2208, 2209, 2210, 2211, 2212,
2220, 2231, 2238, 2241b, 2254,
2260, 2264, 2333, 2352, 2354,
2379

TRIBUTARIES_FISH 59, 93, 94, 106, 129,
166, 178, 184, 189, 208,
211, 250, 311, 379, 380,
382, 581, 598, 600, 604,
824, 885, 886, 887, 889,
904, 947, 958, 967, 968,
974, 1027, 1052, 1070, 1089,
1099, 1122, 1125, 1139, 1140,
1143, 1167, 1178, 1179, 1199,
1320, 1321, 1322, 1323, 1414,
1497, 1565, 1585, 1588, 1631,
1692, 1827, 1828, 1833, 1861,
1907, 1908, 1909, 1910, 1913,
1914, 1915, 1926, 1954, 1983,

TRIBUTARIES_FISH (continued)	1984,	1988,	1990,	1992,	2069,
	2070,	2079,	2189,	2190,	2205,
	2219,	2231,	2259,	2265,	2284,
	2321,	2337,	2347,	2379	
TRIBUTARIES_HYDROLOGY	66,	92,	208,	252,	284,
	285,	286,	288,	512,	513,
	722,	733,	737,	744,	746,
	753,	759,	768,	794,	841,
	954,	958,	967,	968,	984,
	985,	987,	988,	1049,	1052,
	1080,	1131,	1174,	1339,	1594,
	1642,	1656,	1666,	1718,	1767,
	1768,	1827,	1833,	1863,	1902,
	1953,	2190,	2205,	2220,	2238,
	2272,	2287,	2331,	2363	
TRIBUTARIES_INORGANICS	5,	9,	11,	12,	18,
	66,	92,	106,	110,	138,
	178,	180,	184,	208,	237,
	386,	421,	434,	587,	592,
	648,	649,	650,	702,	753,
	768,	794,	800,	844,	947,
	954,	955,	958,	967,	968,
	974,	984,	987,	988,	1027,
	1040,	1056,	1057,	1079,	1081,
	1137,	1140,	1154,	1178,	1183,
	1210,	1221,	1235,	1316,	1392,
	1401,	1418,	1462,	1463,	1500,
	1520,	1580,	1622,	1624,	1631,
	1645,	1703,	1704,	1710,	1718,
	1767,	1769,	1779,	1788,	1795,
	1796,	1797,	1827,	1828,	1833,
	1834,	1839,	1864,	1884,	1905,
	1926,	1935,	1936,	1953,	1976,
	1977,	2002,	2069,	2070,	2143,
	2167,	2174,	2178,	2186,	2187,
	2189,	2190,	2191,	2192,	2193,
	2194,	2195,	2197,	2198,	2205,
	2207,	2208,	2209,	2210,	2211,
	2212,	2219,	2231,	2238,	2250,
	2252,	2254,	2258b,	2287,	2333,
	2352,	2354,	2356,	2359,	2430,
	2431,	2433			
TRIBUTARIES_INVERTEBRATES	120,	208,	421,	702,	722,
	933,	1401,	1580,	1585,	1588,
	1935,	1936,	2079,	2167,	2189,
	2248,	2342,	2376,	2379	
TRIBUTARIES_LOADING	12,	92,	106,	138,	180,
	184,	208,	240,	386,	434,
	587,	648,	649,	650,	753,
	768,	800,	885,	886,	947,
	955,	1040,	1057,	1080,	1089,
	1137,	1139,	1210,	1235,	1462,
	1463,	1500,	1580,	1608,	1779,

TRIBUTARIES_LOADING (continued)	1795,	1796,	1827,	1828,	1833,
	1869,	1884,	1904,	1936,	1953,
	1976,	1977,	2002,	2186,	2187,
	2189,	2192,	2197,	2198,	2205,
	2207,	2208,	2209,	2210,	2211,
	2212,	2238,	2254,	2259,	2260,
	2264,	2331,	2354,	2356,	2368,
	2379,	2431,	2433		
TRIBUTARIES_METALS	9,	18,	66,	92,	106,
(includes trace metals)	138,	178,	180,	189,	208,
(SA: trace metals_tributaries)	386,	587,	592,	648,	649,
	768,	800,	954,	955,	958,
	967,	968,	974,	987,	988,
	1027,	1057,	1137,	1140,	1178,
	1221,	1418,	1500,	1624,	1710,
	1718,	1767,	1769,	1788,	1827,
	1828,	1833,	1884,	1905,	1936,
	1976,	1977,	2187,	2195,	2231,
	2238,	2254,	2258b,	2287,	2333,
	2354,	2356,	2433		
TRIBUTARIES_NUTRIENTS	5,	9,	66,	92,	110,
	178,	180,	184,	189,	208,
	237,	434,	650,	702,	768,
	794,	947,	958,	974,	984,
	1027,	1040,	1056,	1057,	1154,
	1183,	1210,	1235,	1316,	1462,
	1463,	1520,	1580,	1645,	1710,
	1779,	1795,	1796,	1797,	1827,
	1828,	1833,	1834,	1839,	1926,
	1936,	1953,	1976,	1977,	2002,
	2143,	2167,	2186,	2187,	2189,
	2192,	2197,	2198,	2205,	2207,
	2208,	2209,	2210,	2211,	2212,
	2219,	2231,	2250,	2252,	2254,
	2287,	2333,	2359,	2368,	2430,
	2431,	2433			
TRIBUTARIES_ORGANICS	59,	66,	93,	106,	189,
	208,	753,	763,	768,	800,
	844,	878,	885,	886,	887,
	923,	958,	967,	968,	974,
	1027,	1040,	1056,	1057,	1079,
	1081,	1089,	1099,	1122,	1139,
	1143,	1179,	1230,	1237,	1392,
	1692,	1827,	1828,	1864,	1935,
	1936,	1953,	2174,	2178,	2186,
	2187,	2189,	2190,	2191,	2192,
	2193,	2194,	2195,	2197,	2198,
	2205,	2207,	2208,	2209,	2210,
	2211,	2212,	2259,	2260,	2264,
	2265,	2331,	2337,	2352,	2368,
	2430				
TRIBUTARIES_PCBS	66,	93,	189,	208,	768,
	878,	967,	974,	1027,	1040,

TRIBUTARIES_PCBS (continued)	1057, 1139, 1179, 1237, 1827, 1828, 2205, 2259, 2260, 2264, 2265, 2337
TRIBUTARIES_PHOSPHORUS (S: phosphorus_tributaries)	
TRIBUTARIES_PHYTOPLANKTON	5, 9, 92, 106, 110, 178, 180, 184, 189, 208, 237, 434, 650, 702, 947, 958, 967, 968, 974, 984, 1027, 1089, 1154, 1183, 1235, 1316, 1320, 1401, 1509, 1520, 1580, 1779, 1795, 1796, 1827, 1828, 1833, 1834, 1839, 1884, 1935, 1936, 1977, 2011, 2167, 2189, 2190, 2219, 2231, 2250, 2252, 2254, 2341, 2343, 2344
TRIBUTARIES_POLLUTION	11, 12, 66, 92, 110, 166, 178, 180, 184, 208, 337, 382, 386, 434, 511, 587, 592, 648, 649, 650, 702, 737, 753, 763, 768, 794, 800, 844, 878, 885, 886, 887, 923, 933, 947, 955, 958, 967, 968, 974, 978, 984, 985, 1027, 1040, 1056, 1057, 1080, 1089, 1140, 1144, 1178, 1179, 1183, 1210, 1221, 1230, 1235, 1316, 1349, 1380, 1391, 1392, 1401, 1462, 1463, 1497, 1520, 1580, 1631, 1642, 1645, 1703, 1704, 1718, 1779, 1795, 1796, 1797, 1820, 1821, 1827, 1828, 1834, 1864, 1869, 1926, 1935, 1936, 1937, 1953, 1976, 2002, 2069, 2070, 2171, 2174, 2176, 2177, 2178, 2181, 2183, 2184, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2205, 2207, 2208, 2209, 2210, 2211, 2212, 2219, 2238, 2250, 2254, 2258b, 2260, 2264, 2331, 2333, 2342, 2343, 2352, 2354, 2356, 2359, 2360, 2361, 2363, 2368, 2369, 2376, 2377, 2378, 2379, 2431
TRIBUTARIES_RADIOACTIVITY	106, 189, 1027, 1040, 1703, 1704, 2190
TRIBUTARIES_RADIONUCLIDES	18, 106, 587, 958, 974, 1622, 1624, 1703, 1827, 1828

TRIBUTARIES_RIVER_PLUME 11, 12, 110, 120, 138,
1509, 1710, 1935, 1936, 1937,
2011

TRIBUTARIES_SEA LAMPREY 59, 129, 166, 211, 250,
581, 824, 889, 904, 968,
1027, 1099, 1122, 1199, 1320,
1321, 1323, 1414, 1907, 1908,
1909, 1910, 1913, 1914, 1915,
1926, 1983, 2079

TRIBUTARIES_SEDIMENTS 66, 92, 106, 110, 120,
138, 208, 240, 386, 421,
434, 587, 592, 648, 649,
702, 722, 748, 768, 887,
933, 955, 958, 967, 974,
1027, 1057, 1089, 1139, 1178,
1179, 1183, 1188, 1191, 1221,
1235, 1392, 1401, 1418, 1500,
1608, 1622, 1624, 1654, 1718,
1769, 1796, 1827, 1828, 1833,
1884, 1904, 1905, 1935, 1936,
1953, 1976, 1977, 2143, 2189,
2231, 2260, 2368, 2379

TRIBUTARIES_TRACE METALS
(S: trace_metals_tributaries)

TRIBUTARIES_WATER QUALITY 5, 9, 11, 66, 92,
(SA: tributaries_pollution) 106, 110, 178, 180, 184,
189, 208, 337, 386, 421,
434, 511, 650, 702, 753,
763, 768, 794, 800, 841,
844, 878, 885, 886, 933,
947, 954, 958, 967, 968,
974, 978, 984, 985, 987,
988, 1027, 1040, 1056, 1057,
1079, 1080, 1081, 1087, 1089,
1144, 1179, 1183, 1210, 1235,
1349, 1380, 1391, 1392, 1401,
1462, 1463, 1497, 1580, 1631,
1642, 1645, 1767, 1768, 1795,
1796, 1797, 1820, 1821, 1827,
1828, 1833, 1834, 1864, 1869,
1935, 1936, 1937, 1976, 1977,
2002, 2069, 2070, 2167, 2171,
2174, 2176, 2177, 2178, 2181,
2183, 2184, 2186, 2187, 2188,
2189, 2190, 2191, 2192, 2193,
2194, 2195, 2196, 2197, 2198,
2205, 2207, 2208, 2209, 2210,
2211, 2212, 2238, 2250, 2254,
2258b, 2260, 2264, 2272, 2287,
2331, 2333, 2341, 2342, 2343,
2352, 2359, 2360, 2361, 2363,
2369, 2376, 2377, 2378, 2379,
2433

TRIBUTARIES_WATERSHED	120,	208,	240,	252,	285,
	286,	288,	361,	511,	512,
	513,	587,	737,	746,	759,
	844,	967,	968,	974,	984,
	985,	987,	988,	1040,	1049,
	1056,	1057,	1089,	1131,	1339,
	1391,	1458,	1497,	1594,	1631,
	1642,	1645,	1710,	1767,	1768,
	1797,	1827,	1833,	1902,	1953,
	2002,	2087,	2190,	2205,	2220,
	2238,	2264,	2331,	2368,	2377,
	2430				
TRIBUTARIES_WETLANDS	66,	208,	236,	511,	794,
	954,	1052,	1188,	1190,	1497,
	1631,	2143			
TRICHOPTERA	468,	817,	967,	972,	974,
	976,	977,	1263,	1585,	1588,
	1826,	2425			
TRITIUM	63,	106,	806,	1007,	2293
TROPHIC CONDITIONS	87,	151,	152,	174,	190,
(SA: eutrophic)	392,	431,	434,	699,	701,
(SA: eutrophication)	714,	768,	805,	910,	931,
(SA: oligotrophic)	958,	1029,	1059,	1111,	1183,
	1210,	1212,	1234,	1236,	1259,
	1315,	1390,	1392,	1400,	1418,
	1451,	1462,	1465,	1466,	1539,
	1561,	1562,	1644,	1645,	1729,
	1733,	1743,	1790,	1824,	1833,
	1834,	1837,	1870,	1982,	2005,
	2013,	2020,	2055,	2064,	2160,
	2167,	2250,	2251,	2254,	2276,
	2323,	2341,	2379,	2400	
TROPHIC LEVEL (SA: food chain)	148,	2044,	2274		
TROPOCYCLOPS	2083				
TROUT (SA: specific species)	67,	140,	166,	178,	211,
	223,	273,	365,	366,	367,
	382,	392,	422,	423,	428,
	459,	461,	462,	463,	468,
	545,	553,	555,	617,	631,
	654,	754,	774,	775,	779,
	780,	781,	825,	835,	836,
	837,	876,	967,	968,	994,
	1000,	1068,	1069,	1070,	1071,
	1077,	1098,	1117,	1118,	1179,
	1199,	1250,	1266,	1267,	1269,
	1302,	1308,	1310,	1353,	1399,
	1550,	1567,	1585,	1586,	1587,
	1589,	1590,	1660,	1683,	1690,
	1691,	1692,	1693,	1746,	1752,
	1753,	1754,	1755,	1785,	1790,
	1825,	1828,	1829,	1860,	1907,

TROUT (continued)	1908, 1909, 1910, 1911, 1913, 1914, 1922, 1924, 1925, 1926, 1927, 1928, 1954, 1955, 1957, 1958, 1959, 1964, 1965, 1968, 1969, 1970, 1972, 1973, 1974, 1985, 1988, 1993, 1994, 1995, 2050, 2052, 2065, 2066, 2219, 2262, 2265, 2279, 2282, 2286, 2289, 2301, 2304, 2319, 2322, 2323, 2337, 2366, 2370, 2415, 2416, 2424
TROUT-PERCH	166, 382, 551, 553, 619, 804, 922, 1098, 1269, 1399, 1790, 2050, 2065, 2314
TUBIFICIDS (S: Oligochaeta)	
TUNGSTEN	381, 584, 594, 2086
TURBELLARIA	967, 972, 974, 980, 1381, 1584, 1826
TURBIDITY	102, 113, 120, 124, 189, 330, 337, 694, 724, 952, 967, 968, 969, 970, 972, 973, 980, 996, 1057, 1106, 1173, 1175, 1183, 1349, 1608, 1618, 1639, 1705, 1706, 1788, 1790, 1826, 1827, 1829, 1936, 1982, 2034, 2085, 2120, 2195, 2231, 2253, 2257, 2270, 2333
TURBULENCE (S: mixing)	
TURTLES (SA: reptiles)	1261, 1593
ULOTHRIX (SA: green algae)	871, 1235, 1236, 2016
UPTAKE (S: specific compound or organism) (S: bioaccumulation)	
UPWELLING	1, 2, 24, 199, 201, 202, 340, 417, 445, 802, 936, 1173, 1208, 1213, 1431, 1434, 1438, 1443, 1610, 1803, 1809, 1810, 1843, 1877, 1904, 1967, 2032, 2036, 2421, 2422
URANIUM	326, 381, 584, 585, 594, 1269, 2086, 2286, 2287
URBAN	154, 180, 188, 322, 349, (SA: history_urban) 355, 363, 368, 372, 373, 376, 386, 390, 398, 658, 708, 718, 738, 746, 748, 766, 812, 843, 1045, 1081, 1085, 1175, 1186, 1201, 1210, 1216, 1262, 1283, 1288, 1299, 1300, 1307, 1364, 1456, 1463, 1583, 1606, 1664, 1819, 1865a,

URBAN (continued)	1916, 1980, 2045, 2155, 2182, 2195, 2228, 2238
VANADIUM	371, 381, 686, 707, 798, 838, 1030, 1220, 1222, 1242, 1725, 1891, 1892, 2085, 2287
VEGETATION	27, 203, 510, 626, 717, (SA: forests; SA: macrophytes) 797, 816, 833, 892, 925, 962b, 976, 977, 1205, 1363, 1398, 1694, 1893, 1997, 1998, 2221, 2244, 2286, 2414, 2441
VEGETATION_SUCCESSION	833, 1998, 2244, 2414
VERMICULITE	1891, 1917, 2074
VERTICAL MIGRATION	146, 147, 171, 585, 1181, 1341, 1367, 1368, 1743, 2312, 2315, 2423
VIRUS	189, 1027, 1175, 1781, 1820, 1982
WALLEYE	10, 166, 178, 209, 223, 273, 366, 428, 439, 441, 468, 555, 754, 835, 836, 1140, 1269, 1501, 1585, 1662, 1683, 1790, 1926, 2050, 2065, 2279, 2281, 2303, 2304, 2322, 2323
WASTE (general)	13, 63, 244, 246, 319, (SA: pollution) 364, 449, 456, 534, 702, (SA: sewage) 763, 826, 829, 969, 978, 1027, 1034, 1111, 1179, 1207, 1234, 1247, 1543, 1639, 1641, 1643, 1820, 2013, 2167, 2174, 2178
WASTE_DISCHARGE (S: discharge_waste)	
WASTE_DISPOSAL	40, 46, 56, 188, 447, 548, 703, 991, 1074, 1165, 1175, 1191, 1351, 1364, 1436, 1558, 1583, 1865b, 1870, 2094, 2095, 2096, 2120, 2123, 2126, 2140, 2160, 2190
WASTE_EFFLUENT (S: effluent_waste)	
WASTE_HEAT	76, 342, 447, 473, 652, (SA: thermal_pollution) 692, 765, 807, 1092, 1164, 1383, 1975, 2078, 2219
WASTE_LOADING	180, 305, 328, 329, 330, 571, 753, 765, 800, 975, 1037, 1210, 1216, 1235, 1236, 1462, 1938, 2055, 2160, 2186,

WASTE_LOADING (continued)	2192, 2197, 2198, 2207, 2208, 2209, 2210, 2211, 2212, 2264, 2331, 2379
WASTE_MANAGEMENT	40, 46, 48, 55, 56, 74, 188, 210, 321, 368, 538, 737, 752, 753, 765, 846, 1059, 1175, 1191, 1203, 1204, 1206, 1226, 1313, 1383, 1392, 1436, 1644, 1865, 1982, 2037, 2055, 2123, 2126, 2140, 2162, 2175, 2182, 2186, 2192, 2197, 2198, 2201, 2207, 2208, 2209, 2210, 2211, 2212, 2230
WASTEWATER	43, 158, 386, 474, 635,
(SA: discharge_wastewater)	695, 753, 758, 878, 1027,
(SA: effluent_wastewater)	1029, 1040, 1078, 1204, 1206, 1247, 1364, 1403, 1449, 1463, 1821, 1869, 2037, 2094, 2096, 2123, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2136, 2137, 2154b, 2256
WATER_ALLOCATION (S: water use)	
WATER_BUDGET	5, 131, 193, 204, 252,
(SA: model_water budget)	288, 291, 512, 515, 517,
(SA: research_needs_water budget)	523, 530b, 652, 765, 831, 832, 954, 958, 1049, 1094, 1174, 1372, 1376, 1377, 1378, 1499, 1619, 1666, 1668, 2022, 2401, 2426
WATER_CHEMISTRY (S: specific elements)	
(S: water quality)	
WATER_DEPTH	156, 558, 638, 830, 1373,
(SA: bathymetry)	1406, 1431, 1433, 1438, 1508,
(SA: hydrography)	1534, 1555, 1582, 1633, 1654a, 1748, 1824, 2154a, 2165
WATER_DIVERSION (S: diversion)	
WATER_LEVELS (S: lake levels)	
WATER_MASSES	831, 832, 1406, 1737, 1817
(SA: water_movement)	
WATER_MITES (S: Acari)	
WATER_MOVEMENT	96, 98, 111, 207, 252,
(SA: currents; SA: circulation;	650, 673, 722, 831, 832,
SA: seiche; SA: tides;	937, 979, 1029, 1257, 1349,
SA: water_masses)	1373, 1433, 1489, 1628, 1646, 1737, 1817, 2063
WATER_QUALITY (SA: pollution)	
WATER_QUALITY_ANALYTICAL_METHODS	62, 303, 472, 655, 1107, 1179, 1726, 1781, 2249, 2287

WATER QUALITY_BACTERIA					
(S: bacteria_water quality)					
WATER QUALITY_BENTHIC_INVERTEBRATES	25,	62,	64,	91,	92,
(SA: pollution_benthic	106,	110,	116,	128,	152,
invertebrates)	163,	172,	174,	176,	182,
	185,	208,	310,	315,	418,
	421,	426,	612,	677,	702,
	703,	725,	765,	861,	885,
	886,	893,	927,	930,	931,
	932,	933,	967,	969,	972,
	974,	980,	994,	995,	999,
	1020,	1027,	1030,	1220,	1383,
	1401,	1449,	1450,	1551,	1580,
	1743,	1826,	1827,	1935,	1936,
	2007,	2044,	2167,	2189,	2231,
	2270,	2323,	2366,	2376,	2379,
	2385,	2400			
WATER QUALITY_CIRCULATION					
(S: circulation_water quality)					
WATER QUALITY_CURRENTS					
(S: currents_water quality)					
WATER QUALITY_DATABASE	91,	186,	189,	768,	1765
WATER QUALITY_DISCHARGE					
(S: discharge_water quality)					
WATER QUALITY_EUTROPHICATION					
(S: eutrophication)					
WATER QUALITY_FISH	62,	64,	88,	89,	106,
(SA: toxics_fish)	116,	145,	163,	167,	172,
	174,	175,	176,	178,	182,
	188,	189,	208,	310,	313,
	315,	332,	334,	480,	614,
	616,	635,	644,	677,	698,
	699,	734,	765,	766,	774,
	775,	879,	885,	886,	947,
	952,	958,	962a,	967,	968,
	972,	973,	974,	979,	994,
	999,	1000,	1027,	1030,	1034,
	1037,	1038,	1039,	1058,	1059,
	1089,	1179,	1202,	1206,	1250,
	1309,	1351,	1383,	1390,	1497,
	1551,	1584,	1631,	1650,	1680,
	1743,	1825,	1826,	1827,	1828,
	1829,	1833,	1865b,	1925,	1927,
	2039,	2041,	2069,	2070,	2133,
	2138,	2149,	2150,	2151,	2152,
	2189,	2190,	2205,	2218,	2221,
	2230,	2231,	2304,	2322,	2323,
	2366,	2379,	2385,	2400	
WATER QUALITY_FOOD_CHAIN	332,	334,	958,	1027,	1179,
(SA: food chain)	1340,	1743,	1935,	2044,	2189

WATER QUALITY_GROUNDWATER	66,	208,	618,	739,	758,
(SA: pollution_groundwater)	763,	765,	954,	967,	985,
	987,	988,	1262,	1418,	1497,
	1631,	1767,	1768,	1855,	1890,
	2272,	2302,	2331		
WATER QUALITY_HARBORS	40,	46,	56,	110,	244,
(SA: pollution_harbors)	580,	635,	702,	703,	768,
	861,	915,	972,	992,	1074,
	1105,	1106,	1220,	1706,	1827,
	1935,	1936,	2093,	2094,	2095,
	2096,	2140,	2154b,	2170,	2187,
	2190				
WATER QUALITY_HISTORY	110,	158,	174,	176,	178,
(SA: pollution_history)	182,	186,	208,	210,	310,
	328,	330,	390,	418,	537,
	614,	616,	714,	765,	927,
	933,	967,	1027,	1250,	1307,
	1351,	1364,	1380,	1390,	1395,
	1524,	1558,	1583,	1642,	1647,
	1650,	1743,	1855,	1927,	2024,
	2238,	2254,	2323		
WATER QUALITY_HUMAN HEALTH	43,	319,	456,	705,	714,
	752,	758,	962a,	967,	968,
	972,	974,	978,	980,	984,
	985,	1029,	1039,	1040,	1312,
	1313,	1351,	1644,	1657,	1781,
	1820,	1826,	1827,	1828,	1829,
	1855,	1869,	1982,	2160,	2162,
	2201,	2221,	2258a		
WATER QUALITY_HYDROCARBONS	189,	453,	529,	635,	753,
(not chlorinated)	765,	800,	861,	952,	968,
(SA: hydrocarbons)	970,	972,	974,	979,	980,
	984,	1038,	1090,	1108,	1175,
	1211,	1392,	1558,	1705,	1706,
	1936,	2085,	2095,	2120,	2189,
	2190,	2201			
WATER QUALITY_INORGANICS	5,	7,	9,	11,	41,
(SA: specific elements)	57,	62,	63,	64,	66,
(SA: metals_water quality)	68,	69,	88,	89,	91,
(SA: nutrients_water quality)	92,	97,	100,	106,	110,
(SA: trace metals)	114,	124,	145,	152,	153,
	154,	172,	174,	175,	176,
	177,	178,	180,	181,	182,
	185,	186,	189,	207,	208,
	245,	246,	287,	309,	310,
	315,	328,	332,	335,	336,
	386,	407,	418,	421,	426,
	432,	434,	474,	525,	534,
	548,	616,	628,	635,	644,
	650,	677,	698,	699,	700,
	701,	702,	706,	711,	753,
	765,	768,	794,	800,	805,

WATER QUALITY_INORGANICS (continued)	826,	844,	870,	871,	875,
	879,	910,	913,	931,	947,
	952,	954,	958,	962a,	967,
	968,	969,	970,	971,	972,
	973,	974,	979,	980,	984,
	987,	988,	991,	994,	999,
	1014,	1025,	1027,	1029,	1030,
	1034,	1036,	1037,	1038,	1039,
	1040,	1056,	1057,	1058,	1059,
	1062,	1078,	1079,	1081,	1104,
	1105,	1106,	1108,	1111,	1159,
	1161,	1175,	1183,	1200,	1207,
	1210,	1211,	1212,	1220,	1234,
	1235,	1236,	1250,	1330,	1333,
	1340,	1362,	1392,	1401,	1406,
	1410,	1419,	1449,	1462,	1463,
	1524,	1551,	1553,	1558,	1568,
	1580,	1584,	1606,	1619,	1631,
	1639,	1644,	1645,	1647,	1650,
	1705,	1706,	1743,	1767,	1795,
	1796,	1797,	1826,	1827,	1828,
	1829,	1833,	1834,	1836,	1840,
	1841,	1862,	1864,	1866,	1867,
	1870,	1888,	1935,	1936,	1976,
	1977,	2002,	2012,	2013,	2015,
	2018,	2020,	2055,	2064,	2069,
	2070,	2085,	2088,	2093,	2094,
	2095,	2096,	2120,	2132,	2155,
	2160,	2165,	2167,	2169,	2170,
	2174,	2175,	2178,	2186,	2187,
	2189,	2190,	2191,	2192,	2193,
	2194,	2195,	2197,	2198,	2201,
	2204,	2205,	2206,	2207,	2208,
	2209,	2210,	2211,	2212,	2221,
	2231,	2238,	2241c,	2249,	2250,
	2253,	2254,	2255,	2258a	2258b,
	2270,	2275,	2287,	2305,	2309,
	2322,	2324,	2333,	2352,	2359,
	2364,	2365,	2385,	2400,	2429,
	2433				
WATER QUALITY_INSTITUTIONS	5,	182,	206,	298,	299,
	300,	301,	302,	310,	435,
	436,	479,	480,	511,	741,
	864,	985,	1037,	1038,	1058,
	1064,	1247,	1380,	1391,	1392,
	1395,	1548,	1645,	1982,	2123,
	2126,	2129,	2158,	2179,	2199,
	2205,	2351			
WATER QUALITY_INVERTEBRATES	25,	41,	62,	64,	88,
(SA: toxics_invertebrates)	89,	91,	92,	106,	110,
	116,	124,	128,	152,	163,
	167,	172,	174,	175,	176,
	181,	182,	185,	189,	208,
	310,	315,	328,	332,	334,

WATER QUALITY_INVERTEBRATES	335,	336,	418,	421,	426,
(continued)	612,	644,	677,	698,	699,
	700,	701,	702,	703,	725,
	765,	861,	885,	886,	893,
	927,	930,	931,	932,	933,
	958,	967,	969,	972,	973,
	974,	980,	994,	995,	999,
	1020,	1027,	1030,	1220,	1333,
	1383,	1401,	1449,	1450,	1539,
	1551,	1564,	1568,	1580,	1584,
	1680,	1706,	1743,	1826,	1827,
	1828,	1935,	1936,	1999,	2000,
	2007,	2039,	2044,	2064,	2138,
	2167,	2170,	2189,	2231,	2270,
	2275,	2322,	2323,	2342,	2366,
	2376,	2379,	2385,	2400	
WATER QUALITY_LAND USE	62,	207,	390,	399,	480,
	614,	734,	735,	758,	763,
	766,	767,	829,	843,	844,
	846,	967,	1053,	1054,	1055,
	1056,	1057,	1081,	1175,	1216,
	1395,	1497,	1554,	1927,	1982,
	2123,	2126,	2133,	2138,	2152,
	2180,	2331			
WATER QUALITY_MANAGEMENT	3,	35,	40,	43,	46,
(SA: pollution_management)	48,	55,	56,	74,	77,
	114,	154,	158,	178,	188,
	207,	208,	210,	298,	299,
	300,	302,	310,	321,	332,
	344,	368,	399,	432,	435,
	436,	479,	480,	511,	538,
	540,	543,	632,	658,	695,
	714,	734,	735,	741,	742,
	752,	753,	758,	765,	766,
	770,	772,	774,	775,	846,
	864,	954,	958,	962a,	963,
	965,	966a,	967,	985,	1029,
	1053,	1055,	1056,	1058,	1059,
	1063,	1064,	1078,	1121,	1144,
	1175,	1202,	1203,	1204,	1206,
	1226,	1307,	1313,	1383,	1392,
	1395,	1497,	1521,	1544,	1548,
	1619,	1642,	1644,	1645,	1681,
	1833,	1834,	1865b,	1925,	1927,
	1982,	2037,	2055,	2085,	2123,
	2126,	2127,	2128,	2129,	2130,
	2131,	2132,	2133,	2136,	2137,
	2138,	2140,	2156,	2158,	2162,
	2173,	2175,	2179,	2182,	2185,
	2186,	2188,	2191,	2192,	2193,
	2194,	2197,	2198,	2199,	2201,
	2205,	2207,	2208,	2209,	2210,
	2211,	2212,	2230,	2242,	2255,
	2263,	2304,	2351		

WATER QUALITY_MAPPING
 (S: mapping_water quality)

WATER QUALITY_METALS
 (S: metals_water quality)
 (S: water quality_inorganics)

WATER QUALITY_MODEL (S: model_water quality)

WATER QUALITY_MONITORING 3, 26, 54, 62, 66,
 (SA: pollution_monitoring) 91, 106, 108, 112, 116,
 118, 119, 121, 122, 123,
 126, 127, 128, 163, 164,
 189, 266, 313, 315, 455,
 465, 525, 615, 644, 655,
 844, 947, 948, 967, 968,
 969, 970, 971, 972, 973,
 975, 979, 980, 994, 995,
 999, 1009, 1014, 1020, 1021,
 1022, 1023, 1029, 1031, 1032,
 1035, 1038, 1039, 1040, 1063,
 1064, 1079, 1080, 1104, 1179,
 1551, 1558, 1580, 1639, 1681,
 1821, 1826, 1827, 1828, 1829,
 2007, 2170, 2174, 2178, 2185,
 2204, 2255, 2258a, 2260, 2263,
 2272, 2309, 2359, 2364, 2383,
 2384, 2385, 2390, 2392, 2393,
 2400

WATER QUALITY_NUTRIENTS
 (S: nutrients_water quality)

WATER QUALITY_OIL 189, 453, 529, 635, 861,
 (SA: oil) 952, 970, 1090, 1175, 1211,
 (SA: hydrocarbons) 1392, 1558, 1705, 1706, 2085,
 2095, 2120, 2190, 2201

WATER QUALITY_ORGANICS 7, 37, 57, 62, 66,
 (SA: organics) 74, 95, 106, 114, 153,
 189, 207, 208, 263, 310,
 362, 472, 525, 534, 571,
 580, 635, 753, 762, 763,
 765, 768, 800, 826, 844,
 878, 885, 886, 952, 958,
 962a, 967, 968, 971, 972,
 973, 974, 979, 980, 991,
 1027, 1029, 1030, 1036, 1037,
 1038, 1039, 1040, 1053, 1056,
 1057, 1058, 1059, 1079, 1081,
 1089, 1108, 1175, 1177, 1179,
 1211, 1212, 1351, 1392, 1558,
 1641, 1705, 1706, 1825, 1826,
 1827, 1828, 1829, 1864, 1935,
 1936, 2085, 2160, 2165, 2174,
 2175, 2178, 2186, 2187, 2189,
 2190, 2191, 2192, 2193, 2194,
 2195, 2197, 2198, 2201, 2205,

WATER QUALITY_REGULATIONS	35,	48,	364,	511,	534,
	537,	613,	714,	753,	758,
	762,	962a,	971,	973,	978,
	992,	1030,	1032,	1034,	1037,
	1038,	1039,	1040,	1108,	1175,
	1391,	1392,	1395,	1558,	1642,
	1644,	1826,	2094,	2096,	2155,
	2156,	2173,	2179,	2185,	2186,
	2192,	2197,	2198,	2201,	2207,
	2208,	2209,	2210,	2211,	2212,
	2258a,	2263			
WATER QUALITY_REHABILITATION	1925,	1927			
(SA: pollution_abatement)					
(SA: remedial action)					
WATER QUALITY_RESEARCH NEEDS	62,	74,	90,	153,	172,
	188,	207,	432,	436,	480,
	525,	534,	614,	734,	735,
	741,	758,	765,	767,	962a,
	985,	1029,	1030,	1053,	1063,
	1108,	1383,	1449,	1479,	1544,
	1548,	1554,	1619,	2179,	2199
WATER QUALITY_REVIEW	64,	88,	89,	90,	145,
(SA: review_pollution)	174,	176,	177,	178,	180,
	182,	207,	208,	287,	310,
	418,	525,	632,	677,	741,
	752,	753,	763,	765,	930,
	952,	958,	1027,	1054,	1063,
	1153,	1175,	1309,	1340,	1351,
	1380,	1554,	1631,	1639,	1642,
	1865b,	1927,	1935,	1936,	2013,
	2096,	2126,	2137,	2199,	2270,
	2322,	2323			
WATER QUALITY_SEDIMENTS					
(S: sediments_chemistry)					
WATER QUALITY_SUMMARY					
(S: summary_water quality)					
WATER QUALITY_TOXICS					
(S: toxics_water quality)					
(S: water quality_organics)					
WATER QUALITY_TRIBUTARIES					
(S: tributaries_water quality)					
WATER QUALITY_VIRUS (S: virus)					
WATER QUALITY_WASTE (S: waste)					
WATER QUALITY_WASTEWATER (S: wastewater)					
WATER QUALITY_WATER SUPPLY	188,	301,	456,	465,	480,
(SA: pollution_water supply)	694,	705,	714,	739,	752,
	758,	762,	765,	766,	954,
	963,	965,	967,	968,	972,
	974,	980,	984,	985,	987,

WATER QUALITY WATER SUPPLY	988,	1087,	1106,	1111,	1146,
(continued)	1202,	1203,	1204,	1206,	1307,
	1379,	1521,	1583,	1641,	1642,
	1643,	1650,	1767,	1768,	1827,
	1828,	1829,	1855,	1982,	2053,
	2133,	2182,	2190,	2230,	2255,
	2257,	2258a,	2365		
WATER QUALITY WATER USE	74,	77,	114,	177,	179,
	206,	207,	390,	613,	614,
	632,	695,	705,	734,	735,
	739,	753,	758,	765,	766,
	767,	829,	864,	954,	958,
	978,	987,	988,	1063,	1081,
	1111,	1202,	1203,	1204,	1206,
	1216,	1307,	1391,	1643,	1767,
	1768,	1855,	2094,	2096,	2133,
	2189,	2190,	2199,	2230,	2242,
	2302				
WATER QUALITY_ZOOPLANKTON	41,	64,	88,	89,	91,
(SA: zooplankton)	92,	106,	110,	116,	124,
(SA: toxics_zooplankton)	128,	152,	163,	167,	174,
	175,	176,	181,	185,	189,
	310,	315,	328,	332,	334,
	335,	336,	426,	698,	699,
	700,	701,	702,	765,	861,
	958,	972,	973,	980,	994,
	995,	999,	1014,	1027,	1220,
	1333,	1383,	1401,	1539,	1564,
	1568,	1584,	1680,	1706,	1743,
	1828,	1935,	1936,	1999,	2000,
	2044,	2064,	2138,	2170,	2189,
	2231,	2275,	2322,	2323,	2342,
	2366,	2385,	2400		
WATER SUPPLY	6,	187,	188,	204,	301,
(SA: water budget)	429,	456,	465,	480,	513,
(SA: discharge_water supply)	523,	694,	695,	705,	714,
(SA: hydrology_water supply)	733,	736,	739,	752,	758,
(SA: management_water supply)	762,	764,	765,	766,	954,
(SA: model_water supply)	963,	965,	967,	968,	972,
(SA: pollution_water supply)	974,	979,	980,	984,	985,
(SA: research_needs_water supply)	987,	988,	1049,	1087,	1101,
(SA: water quality_water supply)	1106,	1111,	1113,	1146,	1202,
	1203,	1204,	1206,	1216,	1307,
	1324,	1372,	1375,	1379,	1389,
	1403,	1413,	1521,	1581,	1583,
	1594,	1616,	1641,	1642,	1643,
	1650,	1668,	1721,	1767,	1768,
	1799,	1801,	1827,	1828,	1829,
	1855,	1856,	1902,	1982,	2022,
	2053,	2133,	2182,	2190,	2220,
	2230,	2255,	2257,	2258a,	2271,
	2340,	2365			

WATER TREATMENT	13,	43,	429,	694,	714,
	947,	954,	985,	1101,	1226,
	1583,	2255,	2256,	2257	
WATER USE	4,	6,	74,	77,	114,
(SA: management_water use)	177,	179,	187,	204,	206,
(SA: mapping_water use)	207,	267,	322,	323,	390,
(SA: model_water use)	613,	614,	632,	689,	695,
(SA: research_needs_water use)	705,	732,	734,	735,	739,
(SA: water_quality_water use)	740,	753,	757,	758,	760,
	764,	765,	766,	767,	829,
	864,	954,	958,	959,	960,
	978,	986,	987,	988,	1049,
	1050,	1052,	1063,	1081,	1111,
	1112,	1113,	1176,	1202,	1203,
	1204,	1206,	1216,	1304,	1307,
	1343,	1389,	1391,	1393,	1403,
	1537,	1616,	1643,	1721,	1766,
	1767,	1768,	1799,	1800,	1801,
	1855,	1856,	1916,	2094,	2096,
	2133,	2139b,	2159,	2189,	2190,
	2199,	2230,	2242,	2271,	2302
WATERFOWL (S: birds, ducks, or specific species or taxa)					
WATERSHED	88,	89,	120,	177,	208,
(SA: drainage basin)	240,	252,	285,	286,	288,
(SA: mapping_watershed)	361,	362,	390,	399,	511,
	512,	513,	525,	548,	587,
	737,	739,	742,	746,	759,
	762,	844,	967,	968,	974,
	979,	984,	985,	987,	988,
	1040,	1049,	1051,	1056,	1057,
	1081,	1089,	1131,	1132,	1197,
	1202,	1203,	1204,	1206,	1216,
	1339,	1372,	1391,	1457,	1458,
	1487,	1497,	1594,	1616,	1631,
	1642,	1645,	1710,	1767,	1768,
	1797,	1827,	1833,	1902,	1953,
	2002,	2061,	2087,	2175,	2190,
	2205,	2220,	2238,	2264,	2331,
	2368,	2377,	2430		
WATERWAYS	437,	755,	966a,	1456,	1845,
(SA: connecting channels)	2154b,	2342,	2344		
WAUKEGAN MEMBER	1242,	1714			
WAVES	21,	73,	88,	89,	130,
(SA: seiche)	162,	189,	200,	213,	254,
	294,	297,	393,	395,	397,
	402,	430,	437,	442,	443,
	448,	457,	476,	477,	485,
	486,	492,	494,	497,	498,
	499,	500,	501,	503,	505,
	506,	507,	509,	556,	558,
	572,	573,	574,	582,	597,

WAVES (continued)	607, 608, 609, 635, 636, 659, 660, 661, 662, 663, 664, 665, 668, 672, 673, 730, 731, 745, 761, 765, 793, 809, 811, 816, 831, 832, 852, 875, 892, 942, 943, 945, 983, 984, 1017, 1060, 1075, 1084, 1131, 1180, 1185, 1195, 1205, 1208, 1233, 1251, 1252, 1253, 1255, 1256, 1257, 1264, 1326, 1328, 1373, 1394, 1395, 1408, 1428, 1429, 1430, 1434, 1440, 1443, 1473, 1514, 1515, 1529, 1615, 1627, 1628, 1638, 1663, 1677, 1695, 1701, 1737, 1812, 1813, 1814, 1815, 1818, 1874, 1904, 1905, 2029, 2033, 2042, 2054, 2092, 2095, 2097, 2099, 2100, 2102, 2103, 2115, 2118, 2121, 2138, 2161, 2163, 2166, 2168, 2173, 2267, 2325, 2334, 2406, 2407, 2418
WAVES_MODEL (S: model_waves)	
WAVES_SEASONAL VARIATION	294, 395, 397, 494, 572, 875, 1256, 1430, 1434, 1440, 1473, 1701
WEATHER (S: meteorology)	
WEATHERING	50, 568, 2238
WEDRON FORMATION	798, 1243, 1244, 1245
WET DEPOSITION	386, 707, 708, 709, 710, 1210, 1334, 1465, 1466, 1704, 1714, 1894, 1895, 1896, 2329, 2352, 2355, 2356
WETLANDS	66, 188, 208, 236, 339, (SA: history_wetlands) 511, 672, 742, 745, 747, 794, 820, 892, 925, 954, 976, 977, 1045, 1052, 1102, 1138, 1162, 1188, 1190, 1395, 1497, 1631, 1802, 1997, 1998, 2143, 2441
WHITE BASS (SA: bass)	223, 382, 428, 555, 754, 774, 775, 1098, 1125, 1269, 1585, 1752, 1970, 2050, 2065
WHITE PERCH (SA: perch)	223, 382, 428, 553, 555, 754, 774, 775, 994, 1098, 1125, 1269, 1585, 1752, 1790, 1970, 2050, 2065

WHITEFISH (SA: coregonines)	140,	166,	178,	223,	232,
	273,	283,	366,	367,	382,
	392,	422,	468,	519,	545,
	555,	669,	726,	754,	774,
	775,	835,	836,	837,	887,
	900,	901,	902,	909,	1076,
	1077,	1098,	1250,	1269,	1309,
	1453,	1454,	1576,	1579,	1585,
	1613,	1683,	1684,	1687,	1689,
	1790,	1922,	1926,	2050,	2065,
	2219,	2286,	2289,	2301,	2303,
	2304,	2322,	2323,	2424	
WILDLIFE	70,	95,	188,	480,	635,
(SA: mammals or specific taxa)	747,	751,	763,	766,	880,
	962a,	976,	977,	1027,	1042,
	1045,	1052,	1141,	1202,	1206,
	1260,	1395,	1398,	1497,	1832,
	1865b,	2133,	2218,	2335,	2427
WIND (SA: lake breeze)	11,	12,	21,	27,	78,
	97,	102,	107,	109,	110,
	125,	134,	135,	136,	162,
	168,	189,	191,	192,	193,
	194,	200,	201,	202,	213,
	214,	215,	216,	218,	219,
	243,	254,	287,	288,	294,
	294,	297,	357,	393,	394,
	395,	397,	398,	425,	443,
	444,	445,	448,	469,	470,
	477,	494,	498,	499,	501,
	502,	503,	509,	530b,	550,
	556,	572,	574,	607,	608,
	609,	635,	636,	646,	659,
	660,	661,	662,	663,	664,
	665,	666,	668,	676,	710,
	714,	748,	765,	816,	830,
	831,	832,	860,	875,	877,
	914,	915,	935,	936,	941,
	942,	943,	945,	957,	967,
	979,	980,	983,	984,	997,
	1017,	1049,	1051,	1052,	1060,
	1075,	1084,	1088,	1090,	1093,
	1105,	1106,	1109,	1120,	1135,
	1136,	1137,	1169,	1174,	1180,
	1205,	1213,	1229,	1232,	1241,
	1251,	1252,	1253,	1255,	1256,
	1278,	1279,	1281,	1282,	1283,
	1285,	1287,	1288,	1290,	1291,
	1292,	1293,	1294,	1296,	1298,
	1300,	1301,	1319,	1350,	1373,
	1394,	1395,	1407,	1408,	1422,
	1423,	1424,	1425,	1428,	1430,
	1431,	1433,	1434,	1437,	1438,
	1440,	1442,	1443,	1465,	1466,
	1467,	1468,	1473,	1499,	1503,

WIND (continued)	1504, 1505, 1512, 1529, 1535, 1540, 1541, 1542, 1610, 1615, 1626, 1627, 1635, 1640, 1656, 1695, 1707, 1748, 1792, 1803, 1804, 1809, 1811, 1812, 1813, 1815, 1868, 1894, 1895, 1901, 1931, 1996, 2026, 2027, 2028, 2029, 2030, 2031, 2033, 2034, 2038, 2042, 2045, 2072, 2073, 2092, 2095, 2102, 2103, 2121, 2163, 2170, 2172, 2173, 2189, 2241a, 2266, 2268, 2269, 2334, 2349, 2354, 2356, 2407, 2418, 2434
WINTER (SA: ice; SA: snow)	8, 61, 82, 83, 84, 85, 119, 126, 127, 132, 137, 226, 358, 469, 470, 532, 606, 616, 692, 774, 775, 813, 849, 850, 944, 1048, 1087, 1105, 1157, 1225, 1296, 1498, 1499, 1503, 1504, 1510, 1511, 1513, 1525, 1528, 1605, 1741, 1742, 1756, 1757, 1758, 1759, 1762, 1763a, 1763b, 1848, 1853, 1879, 1880, 2056, 2060, 2243, 2339, 2348
WISCONSINAN STAGE (S: lake stages)	
XENOBIOTICS (S: toxics)	
YEASTS	765, 857, 858, 859, 1743
YELLOW PERCH	93, 197, 223, 261, 262, (SA: perch) 273, 311, 382, 392, 428, 545, 546, 551, 553, 555, 619, 726, 754, 774, 775, 835, 836, 837, 874, 916, 974, 994, 1098, 1125, 1140, 1266, 1267, 1269, 1550, 1573, 1575, 1577, 1578, 1585, 1680, 1688, 1689, 1691, 1693, 1752, 1790, 1825, 1826, 1830, 1886, 1922, 1926, 1963, 1970, 2050, 2065, 2219, 2231, 2236, 2262, 2265, 2279, 2303, 2304, 2314, 2322, 2323
YELLOW PIKE (S: walleye)	
YTTRIUM	106
ZINC	9, 33, 66, 92, 106, 138, 149, 326, 381, 584, 585, 594, 610, 644, 648, 649, 685, 686, 740, 798, 836, 838, 955, 967, 968, 971, 974, 1027, 1137, 1165,

ZINC (continued)	1168, 1175, 1178, 1211, 1218, 1220, 1221, 1222, 1242, 1269, 1419, 1492, 1493, 1609, 1625, 1705, 1706, 1712, 1718, 1725, 1772, 1773, 1789, 1827, 1828, 1829, 1891, 1892, 2085, 2086, 2120, 2135, 2165, 2187, 2221, 2231, 2287, 2309, 2329, 2354, 2356
ZIRCONIUM	815, 1490, 1492
ZOOPLANKTON (general)	676, 1325, 1336, 1655, 2099
(SA: specific species or taxa)	
ZOOPLANKTON_ABUNDANCE	102, 128, 152, 174, 190, 197, 347, 392, 427, 481, 619, 620, 697, 698, 699, 700, 701, 704, 835, 900, 909, 934, 994, 1006, 1018, 1019, 1358, 1369, 1374, 1539, 1563, 1564, 1568, 1569, 1578, 1653, 1722, 1724, 1775, 1837, 1844, 1999, 2000, 2001, 2003, 2043, 2050, 2080, 2081, 2083, 2189, 2283, 2306, 2312, 2316, 2322, 2323, 2342
ZOOPLANKTON_BIOACCUMULATION	41, 106, 425, 427, 428, 1338, 1706, 1725, 2286, 2289, 2424
(SA: zooplankton_uptake)	
ZOOPLANKTON_BIOMASS	1333, 1369, 1374, 1569, 1729
ZOOPLANKTON_DIET	155, 190, 331, 332, 900, 909, 1072, 1374, 1427, 1519, 1585, 1680, 1699, 1743, 2050, 2083, 2274, 2279, 2283, 2307, 2316, 2320, 2415, 2420, 2423, 2424
ZOOPLANKTON_DISTRIBUTION	65, 92, 110, 116, 117, 128, 163, 174, 190, 296, 417, 427, 428, 481, 619, 620, 698, 699, 701, 704, 765, 900, 909, 934, 977, 994, 1006, 1018, 1019, 1350, 1358, 1367, 1368, 1369, 1374, 1401, 1539, 1563, 1568, 1569, 1578, 1680, 1706, 1722, 1724, 1729, 1743, 1775, 1776, 1837, 1844, 1884, 1936, 1948, 1961, 1999, 2000, 2001, 2003, 2043, 2044, 2050, 2080, 2081, 2083, 2084, 2223, 2279, 2283, 2286, 2289, 2306, 2312, 2322, 2323, 2342, 2424

ZOOPLANKTON, FISH PREDATION ON	331, 332, 431, 619, 698, 699, 700, 909, 916, 1072, 1369, 1564, 1585, 1680, 1743, 2050, 2080, 2083, 2279, 2316, 2322
ZOOPLANKTON_FOOD CHAIN	70, 270, 331, 332, 334, 425, 427, 428, 431, 958, 1027, 1338, 1369, 1743, 1824, 1935, 1956, 2044, 2189, 2274, 2289, 2415, 2424
ZOOPLANKTON_GRAZING	331, 332, 641, 958, 1181, 1563, 1564, 2080
ZOOPLANKTON_GROWTH	155, 331, 332, 392, 900, 909, 1578, 1584, 2083, 2283
ZOOPLANKTON_HABITAT	431, 909, 976, 977, 1181, 1368, 1452, 1743, 2138, 2283, 2323
ZOOPLANKTON_LIFE HISTORY	900, 909, 2003, 2082, 2083
ZOOPLANKTON_METABOLISM	835, 916, 1961
ZOOPLANKTON_METALS	34, 41, 64, 65, 92, 106, 174, 175, 176, 189, 425, 426, 427, 765, 958, 972, 973, 980, 994, 1014, 1027, 1220, 1333, 1336, 1337, 1338, 1584, 1706, 1725, 1828, 1884, 1936, 2231, 2286, 2289, 2385, 2400, 2424
ZOOPLANKTON_MODEL (S: model_zooplankton)	
ZOOPLANKTON_MONITORING	91, 106, 116, 117, 128, 163, 189, 315, 972, 973, 980, 994, 995, 999, 1006, 1014, 1019, 1336, 1358, 1585, 1775, 1828, 2050, 2090, 2170, 2385, 2400
ZOOPLANKTON_MORPHOLOGY	1519
ZOOPLANKTON_MORTALITY	124, 185, 195, 431, 619, 801, 916, 1018, 1024, 1578, 2083, 2366
ZOOPLANKTON_NUTRIENTS	91, 92, 102, 110, 113, 124, 152, 174, 175, 176, 181, 328, 331, 332, 335, 336, 347, 392, 417, 431, 698, 699, 700, 701, 702, 765, 958, 1014, 1563, 1568, 1584, 1706, 1743, 1824, 1844, 1956, 2064, 2189, 2275, 2322, 2385, 2400

ZOOPLANKTON_ORGANICS	106, 189, 310, 765, 958, 972, 973, 980, 1027, 1706, 1828, 1935, 1936, 2050, 2189, 2323
ZOOPLANKTON_PARASITES	311
ZOOPLANKTON_PHYSIOLOGY	65, 425, 427, 916, 1335, 1578, 1585, 1828, 1961
ZOOPLANKTON_POPULATIONS	65, 116, 117, 128, 427, 619, 835, 1006, 1333, 1369, 1724, 1743, 1775, 1790, 1999, 2000, 2003, 2080, 2306, 2312, 2316, 2342
ZOOPLANKTON_POWER PLANTS (S: power_plants, effects on zooplankton)	
ZOOPLANKTON_REPRODUCTION	835, 1585, 2083, 2366
ZOOPLANKTON_REVIEW (S: review_zooplankton)	
ZOOPLANKTON_SUCCESSION	392
ZOOPLANKTON_SUMMARY (S: summary_zooplankton)	
ZOOPLANKTON_SURVIVAL (S: zooplankton_mortality)	
ZOOPLANKTON_TAXONOMY	451, 481, 521, 697, 2001, 2082, 2084
ZOOPLANKTON_TEMPERATURE	65, 88, 89, 91, 92, (SA: zooplankton_thermal_pollution) 102, 107, 110, 181, 189, 310, 315, 347, 431, 620, 765, 900, 909, 916, 958, 972, 973, 980, 994, 995, 999, 1006, 1014, 1018, 1368, 1374, 1452, 1569, 1743, 1790, 1828, 1837, 1844, 1999, 2083, 2090, 2170, 2275, 2312, 2366, 2385
ZOOPLANKTON_THERMAL POLLUTION	64, 65, 107, 110, 167, (SA: zooplankton_temperature) 170, 181, 190, 195, 315, 431, 765, 801, 916, 994, 1006, 1014, 1018, 1024, 1027, 1383, 1452, 1578, 1936, 1956, 1961, 2090, 2231, 2322, 2323, 2366, 2385, 2400
ZOOPLANKTON_TOXICS (S: toxics_zooplankton)	
ZOOPLANKTON_UPTAKE	425, 427, 1335, 1725, 1884, (SA: zooplankton_bioaccumulation) 1956, 2286, 2289
ZOOPLANKTON_WATER QUALITY (S: water_quality_zooplankton)	

AREA INDEX

ALCONA COUNTY, MI	75
ALLEGAN COUNTY, MI	295, 483
ARLINGTON HEIGHTS, IL	2271
BAILLY NUCLEAR POWER PLANT, IN	64, 165, 995, 999, 1327, 2059, 2150
BEAVER ISLAND, MI	304, 308, 1102, 1395, 1463, 1465, 1466, 1720, 1944
BEAVER ISLANDS, MI	1277
BELLOW ISLAND, MI	1276
BELMONT HARBOR, IL	311
BENTON HARBOR, MI	104, 280, 433, 922, 1123, 1220, 1445, 1510, 1511, 1599, 1625, 1711, 1782, 1841, 1892, 2055, 2189
BERRIEN COUNTY, MI	295, 483, 2054
BETSIE RIVER, MI	1718
BIG BAY DE NOC	700, 924b, 1613
BIG ROCK NUCLEAR POWER PLANT, MI	106, 118, 165, 413, 644, 685, 883, 1492, 1493, 2062, 2289, 2299
BIG ROCK POINT, MI	857
BIG SABLE POINT, MI	73, 1328, 1680
BIG SABLE RIVER, MI	1704, 1718
BIG SUAMICO RIVER, WI	2260
(SA: Suamico River)	
BLACK CREEK, MI	1704, 1718
BLACK RIVER, MI	587, 1622, 1704, 1718, 1988
BOARDMAN RIVER, MI	138, 337, 1704, 1718
BRANCH RIVER, WI	1704
BRIDGMAN, MI	1882
BROWN COUNTY, WI	361, 1192, 1497
BURNHAM HARBOR, IL	559
BURNS DITCH, IN	1704, 2354
BURNS HARBOR, IL	395, 397, 2154b
CALUMET AREA, IL-IN	35, 915, 930, 1106, 1340, (SA: Calumet Harbor) 1668, 1706, 1810, 1868, 1935, (SA: Calumet River) 1936, 1937, 1938, 2094, 2096, (SA: Grand Calumet River) 2174, 2176, 2177, 2178, 2181, (SA: Little Calumet River) 2183, 2184, 2187, 2189, 2191, 2193, 2194, 2195, 2196

CALUMET HARBOR, IL	191, 702, 703, 800, 915,
(SA: Calumet Area)	1074, 1105, 1106, 1478, 1480,
	1481, 1482, 1812, 1813, 1868,
	2102
CALUMET RIVER (SA: Calumet Area)	1645, 2171, 2174, 2178, 2258b
CAMP LOGAN, IL	982
CARP LAKE RIVER, MI	250, 1322, 1323
CEDAR RIVER, MI	1322, 1718
CENTRAL LAKE MICHIGAN	911, 929, 1440, 1887, 2033,
	2317, 2318, 2405
CHAMBERS ISLAND, WI	909
CHARLES MEARS STATE PARK, MI	73, 1328
CHARLEVOIX, MI	618, 857, 1640, 1920
CHICAGO, IL	3, 5, 6, 13, 28,
	29, 41, 109, 143, 158,
	192, 224, 274, 311, 321,
	349, 352, 363, 364, 368,
	372, 373, 386, 398, 402,
	403, 429, 433, 465, 467,
	557, 558, 559, 567, 569,
	645, 658, 670, 689, 690,
	707, 708, 714, 718, 817,
	841, 842, 846, 850, 854,
	856, 875, 966a, 967, 968,
	971, 972, 974, 975, 979,
	980, 982, 983, 984, 986,
	1085, 1101, 1105, 1106, 1112,
	1113, 1132, 1137, 1175, 1188,
	1190, 1203, 1220, 1247, 1282,
	1283, 1284, 1290, 1293, 1294,
	1299, 1324, 1351, 1354, 1364,
	1408, 1462, 1463, 1465, 1466,
	1490, 1510, 1511, 1540, 1558,
	1583, 1627, 1647, 1781, 1801,
	1810, 1820, 1826, 1827, 1828,
	1829, 1846, 1850, 1855, 1856,
	1865a, 1894, 1896, 1936, 1978,
	2045, 2102, 2104, 2120, 2123,
	2126, 2127, 2128, 2129, 2130,
	2131, 2132, 2133, 2136, 2137,
	2154, 2156, 2160, 2161, 2163,
	2167, 2168, 2170, 2187, 2189,
	2228, 2238, 2253, 2254, 2255,
	2256, 2257, 2258a, 2258b, 2305,
	2339, 2340, 2345, 2355, 2356
CHICAGO HARBOR, IL	2167, 2170, 2187
CHICAGO RIVER, IL	966a, 1188, 1190, 1583, 1781,
	1820
CHIPPEWA COUNTY, MI	75

COBB GENERATING STATION, MI	414				
COOK COUNTY, IL	6,	28,	403,	1175,	1262,
	1801,	2258b			
D.C. COOK NUCLEAR POWER PLANT, MI	42,	64,	103,	104,	105,
	107,	108,	112,	115,	116,
	117,	119,	121,	122,	123,
	125,	126,	127,	128,	134,
	135,	136,	165,	551,	552,
	553,	554,	619,	620,	683,
	906,	989,	990,	1091,	1092,
	1095,	1096,	1097,	1098,	1127,
	1128,	1164,	1444,	1446,	1447,
	1448,	1451,	1528,	1529,	1622,
	1733,	1770,	1774,	1775,	1776,
	1792,	1877,	1878,	1879,	1880,
	1881,	1883,	1931,	2003,	2078,
	2428,	2434			
D.H. MITCHELL GENERATING STATION, IN ...	1472				
DEAD RIVER, IL	382				
DES PLAINES RIVER, IL-WI	967,	1191,	2378		
DETROIT RIVER, MI	82,	88,	89,	189,	222a,
	288,	290,	293,	648,	649,
	955,	1037,	1040,	1049,	1050,
	1051,	1052,	1059,	1395,	1456,
	1478,	1480,	1481,	1482,	1535,
	1665,	1667,	1679,	1845,	2069,
	2070,	2110,	2154,	2343,	2344
DIVERSEY HARBOR, IL	311				
DOOR COUNTY, WI	527,	887,	909,	1089,	1115,
	1465,	1466,	1631,	1890,	2006,
	2024,	2229			
DU PAGE COUNTY, IL	6,	1262,	1800,	1801	
EAST CHICAGO, IN	2120				
EASTERN LAKE MICHIGAN	15,	23,	259,	294,	295,
	345,	365,	412,	487,	489,
	491,	495,	496,	500,	506,
	507,	509,	647,	661,	794,
	821,	890,	904,	906,	949,
	950,	1154,	1253,	1367,	1368,
	1423,	1424,	1529,	1541,	1542,
	1816,	1818,	2237,	2295,	2328,
	2337				
EDGEWATER GENERATING STATION, WI	2046				
EMPIRE, MI	73,	1328			
ESCANABA, MI	850,	1088,	1349,	1734,	1736
ESCANABA GENERATING STATION, MI	2062				
ESCANABA RIVER, MI	1704,	1718,	1788,	2354	

EVANSTON, IL	29, 319, 374, 402, 557, 1826, 2099, 2118, 2138
FISCHER CREEK, WI	379, 380
FORD RIVER, MI	1704, 1718, 2354
FORT SHERIDAN, IL	402, 557, 1238, 2097
FOX ISLAND, MI	1720, 1944, 2069, 2070, 2223
FOX POINT, WI	669, 1821
FOX RIVER, WI	5, 9, 11, 12, 184, 189, 208, 236, 361, 434, 511, 650, 702, 744, 885, 886, 887, 933, 1079, 1080, 1081, 1089, 1125, 1139, 1178, 1183, 1210, 1221, 1230, 1237, 1316, 1339, 1380, 1401, 1418, 1520, 1580, 1608, 1645, 1718, 1779, 1795, 1796, 1797, 1821, 1864, 1869, 1976, 1977, 2143, 2231, 2252, 2260, 2333, 2354, 2359, 2363, 2379, 2433
FRANKFORT, MI	171, 433, 599, 936, 1244, 1526, 1736, 1944, 2223
FURNESSVILLE, IN	2006
GALIEN RIVER, MI	1718
GARY, IN	848, 1606, 1936, 2342, 2343
GLENCOE, IL	29, 402, 557, 982, 1826
GLENN, MI	259, 1875
GRAND CALUMET RIVER, IN	978, 1936, 2171, 2174, 2178
GRAND HAVEN, MI	15, 16, 40, 56, 171, 192, 279, 583, 859, 1109, 1123, 1220, 1256, 1282, 1325, 1509, 1541, 1625, 1712, 1717, 1782, 1841, 1843, 1892, 1920, 2011, 2017, 2189, 2223, 2295, 2316
GRAND HAVEN HARBOR, MI	40, 56
GRAND MERE, MI	728
GRAND RIVER, MI	18, 120, 264, 265, 800, 1154, 1704, 1710, 1718, 1839, 2002, 2011, 2238, 2354
GRAND TRAVERSE BAY	74, 91, 92, 99, 138, 218, 219, 252, 328, 329, 330, 332, 333, 334, 335, 336, 337, 390, 528, 850, 857, 1086, 1100, 1276, 1277, 1330, 1341, 1342, 1395, 1407, 1579, 1657, 1661, 1765, 1769,

GRAND TRAVERSE BAY (continued)	1791,	1807,	1838,	1944,	1945,
	2018,	2055,	2085,	2187,	2275,
	2323,	2423			
GRAVEL ISLAND, WI	1600				
GRAVELLY ISLAND, MI	1271				
GREAT LAKES	4,	10,	19,	30,	34,
(general on all Great Lakes	68,	69,	70,	87,	90,
or not specify which of the	129,	144,	145,	177,	179,
Great Lakes)	183,	190,	199,	206,	213,
	226,	227,	228,	230,	231,
	234,	235,	238,	242,	249,
	251,	257,	260,	267,	268,
	273,	284,	285,	286,	287,
	291,	298,	299,	300,	302,
	310,	320,	323,	338,	343,
	344,	358,	371,	376,	377,
	378,	394,	402,	432,	436,
	438,	443,	444,	447,	448,
	452,	453,	454,	471,	480,
	481,	482,	521,	529,	532,
	545,	549,	560,	578,	579,
	581,	582,	601,	606,	608,
	632,	634,	648,	649,	673,
	691,	693,	696,	705,	719,
	721,	734,	735,	736,	741,
	747,	749,	750,	751,	756,
	757,	758,	759,	760,	762,
	764,	766,	767,	769,	776,
	795,	796,	808,	810,	814,
	822,	828,	829,	843,	849,
	864,	880,	894,	907,	908,
	919,	923,	928,	953,	1027,
	1032,	1033,	1041,	1043,	1044,
	1054,	1121,	1122,	1131,	1153,
	1155,	1156,	1157,	1162,	1165,
	1171,	1172,	1174,	1184,	1198,
	1208,	1209,	1213,	1216,	1224,
	1229,	1231,	1257,	1259,	1273,
	1275,	1281,	1295,	1302,	1303,
	1304,	1307,	1324,	1331,	1343,
	1344,	1348,	1355,	1366,	1376,
	1379,	1384,	1386,	1387,	1404,
	1410,	1422,	1432,	1435,	1467,
	1495,	1498,	1525,	1532,	1536,
	1566,	1570,	1571,	1581,	1594,
	1595,	1596,	1597,	1598,	1605,
	1610,	1616,	1617,	1628,	1632,
	1633,	1638,	1641,	1644,	1656,
	1664,	1670,	1671,	1681,	1708,
	1725,	1726,	1739,	1743,	1757,
	1760,	1761,	1762,	1763a,	1806,
	1847,	1848,	1851,	1852,	1853,
	1854,	1858,	1865b,	1872,	1876,

GREAT LAKES (continued)	1888,	1903,	1916,	1918,	1919,
	1933,	1951,	1985,	1986,	1987,
	1989,	1991,	2022,	2030,	2035,
	2048,	2049,	2051,	2067,	2068,
	2076,	2077,	2087,	2103,	2107,
	2121,	2134,	2147,	2157,	2158,
	2179,	2221,	2230,	2236,	2238,
	2241c,	2242,	2263,	2280,	2288,
	2308,	2310,	2330,	2331,	2335,
	2413,	2414,	2416,	1418,	2427,
	2435				
GREAT LAKES BASIN	30,	34,	90,	227,	228,
	284,	285,	286,	291,	310,
	376,	378,	394,	480,	530b,
	648,	649,	734,	736,	741,
	747,	749,	750,	751,	757,
	758,	759,	760,	762,	764,
	766,	767,	828,	829,	843,
	864,	923,	1131,	1155,	1156,
	1157,	1174,	1198,	1216,	1257,
	1324,	1532,	1594,	1595,	1610,
	1616,	1632,	1644,	1656,	1743,
	1760,	2087,	2107,	2158,	2179,
	2238,	2241a,	2241b,	2308,	2330,
	2414				
GREEN BAY	5,	9,	11,	12,	20,
	64,	77,	84,	86,	99,
	142,	151,	152,	155,	161,
	175,	176,	178,	184,	188,
	189,	207,	208,	217,	236,
	239,	240,	260,	276,	279,
	310,	324,	325,	326,	327,
	361,	422,	434,	441,	450,
	511,	519,	527,	528,	535,
	536,	537,	538,	539,	540,
	541,	542,	543,	584,	586,
	594,	614,	616,	624,	627,
	650,	673,	696,	698,	699,
	700,	702,	703,	710,	724,
	753,	765,	800,	803,	804,
	815,	820,	824b,	827,	847,
	850,	852,	885,	886,	887,
	888,	893,	898,	899,	900,
	909,	910,	911,	913,	925,
	926,	927,	931,	932,	933,
	934,	1074,	1079,	1080,	1081,
	1082,	1087,	1088,	1089,	1109,
	1114,	1115,	1124,	1125,	1138,
	1139,	1140,	1141,	1146,	1151,
	1178,	1183,	1192,	1196,	1210,
	1221,	1227b,	1237,	1258,	1261,
	1272,	1315,	1316,	1318,	1336,
	1337,	1346,	1349,	1356,	1375,
	1380,	1382,	1401,	1402,	1418,

GREEN BAY (continued)	1419, 1420, 1427, 1429, 1433, 1439, 1454, 1468, 1476, 1478, 1480, 1481, 1482, 1497, 1500, 1501, 1520, 1527, 1579, 1580, 1585, 1608, 1609, 1631, 1662, 1668, 1677, 1678, 1685, 1688, 1701, 1704, 1707, 1718, 1736, 1737, 1769, 1771, 1772, 1773, 1779, 1788, 1794, 1795, 1796, 1797, 1833, 1835, 1841, 1849, 1863, 1864, 1869, 1870, 1917, 1946, 1976, 1977, 2005, 2019, 2020, 2024, 2037, 2039, 2040, 2041, 2055, 2068, 2081, 2085, 2086, 2094, 2096, 2108, 2140, 2143, 2154, 2167, 2172, 2175, 2187, 2189, 2199, 2229, 2231, 2238, 2245, 2249, 2251, 2252, 2260, 2278, 2279, 2281, 2283, 2303, 2304, 2323, 2332, 2333, 2359, 2363, 2369, 2374, 2375, 2379, 2400, 2424, 2431, 2433
GULL ISLAND, MI	1163, 1271, 2223
HAMMOND, IN	1470, 2001
HAT ISLAND, MI	1271
HIGH ISLAND SHOAL, MI	1271
HIGHLAND PARK, IL	402, 556, 557, 982
HIGHWOOD, IL	402
HOLLAND, MI	191, 497, 499, 661, 662, 665, 1668, 2223
ILE AUX GALETS, MI	1073
ILLINOIS	1, 2, 6, 7, 13,
(SA: specific cities, rivers,	26, 28, 29, 41, 47,
or power plants)	50, 51, 53, 58, 64,
(SA: Northeastern Illinois)	80, 81, 107, 109, 143,
	158, 165, 167, 168, 192,
	203, 204, 224, 266, 274,
	280, 311, 319, 321, 349,
	351, 352, 354, 363, 364,
	368, 369, 370, 372, 373,
	374, 382, 383, 384, 385,
	386, 398, 401, 402, 403,
	404, 429, 433, 455, 465,
	467, 503, 505, 556, 557,
	558, 559, 566, 567, 568,
	569, 574, 577, 580, 626,
	645, 658, 670, 678, 679,
	684, 688, 689, 690, 694,
	702, 703, 707, 708, 710,
	714, 718, 729, 731, 742,

ILLINOIS (continued) 751, 773, 799, 800, 807,
812, 817, 834, 841, 842,
846, 850, 854, 856, 875,
881, 882, 915, 941, 948,
956, 957, 959, 960, 961,
963, 964, 965, 966, 967,
968, 969, 970, 971, 972,
973, 974, 975, 976, 977,
978, 979, 980, 981, 982,
983, 984, 986, 994, 996,
997, 998, 1000, 1001, 1002,
1003, 1004, 1005, 1006, 1007,
1009, 1011, 1012, 1013, 1014,
1015, 1016, 1017, 1019, 1020,
1022, 1023, 1024, 1056, 1075,
1085, 1090, 1101, 1104, 1105,
1106, 1112, 1113, 1132, 1133,
1137, 1158, 1169, 1175, 1182,
1185, 1186, 1188, 1190, 1191,
1203, 1211, 1216, 1220, 1228,
1238, 1239, 1241, 1243, 1247,
1256, 1260, 1262, 1266, 1267,
1278, 1282, 1283, 1284, 1285,
1290, 1293, 1294, 1299, 1324,
1339, 1340, 1351, 1354, 1358,
1364, 1403, 1408, 1413, 1455,
1456, 1460, 1461, 1462, 1463,
1465, 1466, 1471, 1478, 1481,
1482, 1490, 1510, 1511, 1515,
1540, 1543, 1544, 1545, 1549,
1550, 1551, 1552, 1555, 1558,
1583, 1620, 1627, 1636, 1639,
1642, 1647, 1659, 1676, 1705,
1734, 1748, 1754, 1755, 1781,
1782, 1799, 1800, 1801, 1809,
1810, 1812, 1820, 1825, 1826,
1827, 1828, 1829, 1846, 1850,
1855, 1856, 1867, 1868, 1891,
1892, 1894, 1896, 1935, 1936,
1938, 1965, 1967, 1978, 1982,
2007, 2008, 2012, 2028, 2031,
2043, 2045, 2056, 2060, 2066,
2078, 2087, 2093, 2097, 2099,
2100, 2101, 2102, 2104, 2116,
2117, 2118, 2123, 2124, 2125,
2126, 2127, 2128, 2129, 2130,
2131, 2132, 2133, 2136, 2137,
2138, 2139b, 2145, 2148, 2152,
2154, 2156, 2159, 2160, 2161,
2163, 2167, 2168, 2170, 2171,
2174, 2176, 2177, 2178, 2180,
2181, 2183, 2184, 2186, 2187,
2189, 2190, 2191, 2192, 2193,
2194, 2195, 2196, 2197, 2198,
2203, 2205, 2207, 2208, 2209,

ILLINOIS (continued)	2210, 2211, 2212, 2219, 2228, 2238, 2253, 2254, 2255, 2256, 2257, 2258a, 2258b, 2271, 2272, 2305, 2325, 2326, 2327, 2339, 2340, 2345, 2346, 2354, 2355, 2421, 2431
ILLINOIS BEACH STATE PARK, IL	28, 47, 53, 382, 402, 404, 503, 626, 670, 729, 882, 962b, 982, 1075, 1188, 1190, 1463, 1465, 1466, 1826, 2100, 2102, 2124, 2272, 2325
ILLINOIS RIVER, IL	7, 645, 1158, 1340, 1364, 1583, 1642, 1820, 2159, 2305
ILLINOIS SHORELINE (SA: Illinois)	28, 29, 50, 53, 203, 222b, 374, 401, 402, 403, 404, 556, 557, 558, 566, 567, 568, 569, 574, 882, 959, 962b, 964, 965, 966b, 976, 977, 1075, 1185, 1186, 1238, 1283, 1865a, 2099, 2100, 2116, 2117, 2138, 2145
ILLINOIS WATERS	266, 311, 370, 382, 384, (SA: Illinois) 433, 455, 559, 580, 729, (SA: Southern Lake Michigan) 834, 960, 961, 966a, 967, 968, 969, 970, 972, 973, 974, 975, 979, 980, 982, 983, 1011, 1175, 1266, 1267, 1705, 1810, 1812, 1825, 1826, 1827, 1868, 2031, 2078, 2253, 2421
ILLINOIS WATERWAY (S: Illinois River) (S: Chicago River)	
INDIANA	52, 64, 66, 80, 107, (SA: specific cities, rivers, or power plants) 165, 191, 220, 351, 354, 397, 433, 510, 679, 694, 702, 703, 707, 708, 710, 725, 742, 751, 773, 809, 838, 840, 846, 848, 891, 892, 915, 922, 984, 987, 988, 991, 992, 995, 999, 1056, 1090, 1137, 1147, 1148, 1188, 1190, 1194, 1201, 1204, 1216, 1260, 1278, 1284, 1285, 1290, 1327, 1352, 1353, 1354, 1456, 1470, 1472, 1543, 1544, 1606, 1645, 1675, 1694, 1698, 1699, 1700, 1704, 1705, 1718, 1767, 1768, 1810, 1936, 1982, 2006, 2012, 2043, 2057, 2059, 2060, 2087, 2095, 2098, 2117, 2120, 2139b, 2150, 2171, 2174, 2176, 2177, 2178, 2180, 2181,

INDIANA (continued)	2183, 2184, 2186, 2187, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2203, 2205, 2207, 2208, 2209, 2210, 2211, 2212, 2219, 2244, 2250, 2254, 2307, 2342, 2343, 2356, 2357, 2408, 2410, 2411, 2419, 2420, 2431
INDIANA DUNES NATIONAL LAKESHORE, IN ...	66, 510, 809, 892, 1327, 1694, 2154b, 2408, 2410
INDIANA DUNES STATE PARK, IN	846, 892
INDIANA HARBOR, IN	702, 703, 915, 1090, 1354, 1936, 2095, 2120, 2187
INDIANA SHORELINE (SA: Indiana)	891, 2006, 2098, 2117, 2357, 2411
INDIANA WATERS	433, 725, 991, 992, 1147, (SA: Indiana) 1148, 1352, 1353, 1675, 1698, (SA: Southern Lake Michigan) 1699, 1705, 1810, 2154b, 2419, 2420
J.H. CAMPBELL GENERATING STATION, IL ...	64, 412, 416, 684, 2078, 2434
JACKSON PARK HARBOR, IL	311
KALAMAZOO RIVER, MI	598, 600, 604, 800, 1704, 1718, 1833, 1839, 2321, 2354
KANE COUNTY, IL	6
KENILWORTH, IL	402, 557, 982
KENOSHA, WI	711, 861, 1001, 1188, 1190, 1196, 1346, 1798, 2104
KENOSHA COUNTY, WI	811, 881, 882, 954
KENOSHA HARBOR, WI	244, 2135
KEWAUNEE, WI	859
KEWAUNEE COUNTY, WI	1214, 1215
KEWAUNEE NUCLEAR POWER PLANT, WI	45, 54, 64, 165, 706, 1008, 1021, 1149, 1150, 1170, 1469, 1607, 2396, 2397, 2398, 2399
KEWAUNEE RIVER, WI	2361
LAKE BLUFF, IL	222b, 402, 557, 982, 1826, 2125
LAKE COUNTY, IL	6, 28, 403, 881, 882, 1175, 1191, 1801, 2258b
LAKE COUNTY, IN	840, 1767
LAKE ERIE	5, 8, 17, 25, 48, 49, 61, 63, 71, 72,

LAKE ERIE (continued) 74, 76, 82, 83, 84,
85, 86, 88, 89, 93,
95, 96, 97, 114, 130,
131, 133, 137, 140, 141,
142, 143, 153, 154, 172,
173, 174, 175, 176, 178,
180, 182, 184, 188, 189,
201, 202, 210, 221, 222a,
223, 229, 233, 239, 243,
258, 264, 273, 288, 291,
292, 293, 294, 297, 301,
309, 310, 322, 339, 347,
348, 355, 357, 360, 362,
366, 367, 378, 388, 389,
392, 393, 398, 399, 418,
425, 435, 440, 442, 446,
456, 468, 469, 470, 479,
481, 512, 513, 514, 515,
516, 517, 523, 524, 525,
528, 530a, 531, 534, 535,
547, 548, 570, 586, 591,
595, 596, 602, 607, 611,
613, 614, 630, 635, 636,
643, 648, 649, 652, 654,
677, 685, 695, 702, 703,
713, 716, 719, 720, 727,
732, 733, 737, 738, 739,
740, 742, 743, 744, 745,
746, 747, 748, 750, 752,
753, 754, 755, 758, 761,
763, 764, 765, 766, 768,
770, 771, 772, 773, 774,
775, 777, 778, 779, 780,
781, 782, 783, 784, 785,
786, 787, 788, 789, 790,
791, 792, 802, 806, 813,
816, 823, 824, 826, 835,
836, 837, 847, 853, 858,
862, 863, 865, 871, 888,
889, 895, 914, 917, 918,
920, 939, 943, 952, 955,
958, 985, 1026, 1029, 1030,
1031, 1034, 1035, 1036, 1037,
1038, 1039, 1040, 1042, 1045,
1046, 1047, 1048, 1049, 1050,
1051, 1052, 1053, 1055, 1056,
1057, 1058, 1059, 1062, 1064,
1067, 1074, 1094, 1108, 1111,
1119, 1129, 1134, 1159, 1160,
1161, 1166, 1174, 1198, 1199,
1216, 1223, 1225, 1227a, 1227b,
1230, 1232, 1233, 1250, 1254,
1269, 1298, 1305, 1306, 1309,
1310, 1332, 1334, 1335, 1338,
1340, 1362, 1369, 1371, 1372,

LAKE ERIE (continued)	1375, 1377, 1378, 1389, 1390,
	1391, 1394, 1395, 1398, 1399,
	1405, 1411, 1412, 1431, 1437,
	1449, 1456, 1457, 1459, 1464,
	1468, 1473, 1477, 1478, 1479,
	1480, 1481, 1482, 1483, 1488,
	1489, 1499, 1505, 1522, 1524,
	1533, 1534, 1535, 1539, 1548,
	1554, 1564, 1565, 1568, 1569,
	1582, 1584, 1592, 1594, 1615,
	1616, 1618, 1619, 1642, 1643,
	1645, 1650, 1663, 1665, 1666,
	1667, 1669, 1673, 1674, 1679,
	1683, 1684, 1690, 1691, 1692,
	1702, 1719, 1722, 1729, 1737,
	1738, 1742, 1756, 1758, 1759,
	1763b, 1764, 1783, 1790, 1802,
	1805, 1813, 1824, 1833, 1837,
	1845, 1846, 1850, 1885, 1889,
	1897, 1904, 1905, 1907, 1908,
	1909, 1910, 1911, 1912, 1913,
	1914, 1923, 1924, 1925, 1926,
	1927, 1928, 1929, 1932, 1934,
	1939, 2001, 2009, 2013, 2034,
	2041, 2042, 2047, 2050, 2060,
	2061, 2063, 2064, 2065, 2069,
	2070, 2077, 2087, 2088, 2094,
	2096, 2105, 2106, 2109, 2110,
	2111, 2112, 2113, 2114, 2115,
	2117, 2122, 2154, 2155, 2199,
	2205, 2215, 2216, 2217, 2219,
	2222, 2224, 2225, 2226, 2227,
	2229, 2234, 2246, 2248, 2269,
	2276, 2284, 2292, 2294, 2302,
	2306, 2309, 2321, 2329, 2341,
	2342, 2343, 2344, 2348, 2351,
	2352, 2353, 2401, 2403, 2426,
	2429
LAKE ERIE BASIN	264, 920
(SA: Great Lakes Basin)	
(SA: Lake Erie)	
LAKE FOREST, IL	402, 557, 558, 982, 1243,
	1826, 2102, 2145
LAKE HURON	5, 8, 17, 25, 48,
	49, 59, 60, 61, 63,
	71, 72, 73, 75, 76,
	80, 82, 83, 84, 86,
	88, 89, 95, 96, 97,
	114, 130, 131, 133, 137,
	140, 141, 142, 150, 153,
	154, 171, 172, 173, 174,
	175, 176, 178, 180, 182,
	184, 188, 189, 201, 202,

LAKE HURON (continued) 210, 215, 221, 222a, 223,
 229, 232, 233, 239, 243,
 250, 254, 258, 259, 264,
 269, 273, 288, 289, 290,
 291, 292, 293, 294a, 294b,
 297, 301, 309, 310, 322,
 339, 347, 348, 355, 357,
 360, 362, 366, 367, 378,
 388, 389, 392, 393, 395,
 397, 399, 418, 425, 435,
 440, 442, 443, 445, 446,
 456, 468, 469, 470, 472,
 479, 481, 512, 513, 514,
 515, 516, 517, 523, 524,
 525, 528, 530a, 531, 534,
 535, 547, 548, 570, 591,
 596, 602, 607, 611, 613,
 614, 617, 627, 635, 636,
 643, 648, 649, 652, 654,
 672, 673, 677, 695, 712,
 713, 716, 717, 720, 727,
 732, 733, 737, 738, 739,
 740, 742, 743, 744, 745,
 746, 747, 748, 750, 752,
 753, 754, 755, 758, 761,
 763, 764, 765, 766, 768,
 770, 771, 772, 773, 774,
 775, 777, 778, 779, 780,
 781, 782, 783, 784, 785,
 786, 787, 788, 789, 790,
 791, 792, 802, 813, 816,
 823, 824, 825, 826, 835,
 836, 837, 847, 853, 862,
 863, 865, 866, 867, 871,
 888, 889, 895, 917, 918,
 920, 924, 939, 943, 952,
 955, 958, 985, 1026, 1029,
 1030, 1031, 1034, 1035, 1036,
 1037, 1038, 1039, 1040, 1042,
 1045, 1046, 1047, 1048, 1049,
 1050, 1051, 1052, 1053, 1055,
 1056, 1057, 1058, 1059, 1062,
 1064, 1065, 1070, 1071, 1073,
 1074, 1076, 1077, 1094, 1108,
 1111, 1115, 1119, 1129, 1132,
 1134, 1159, 1160, 1161, 1166,
 1174, 1189, 1195, 1197, 1198,
 1199, 1216, 1223, 1225, 1227a,
 1127b, 1232, 1233, 1250, 1254,
 1270, 1271, 1272, 1274, 1298,
 1305, 1306, 1309, 1310, 1315,
 1316, 1322, 1328, 1332, 1334,
 1338, 1362, 1369, 1371, 1372,
 1375, 1377, 1378, 1388, 1389,
 1390, 1391, 1394, 1395, 1398,

LAKE HURON (continued) 1399, 1402, 1405, 1406, 1411,
 1412, 1414, 1431, 1437, 1439,
 1449, 1456, 1457, 1458, 1459,
 1464, 1468, 1473, 1477, 1478,
 1479, 1480, 1481, 1482, 1483,
 1488, 1489, 1499, 1505, 1513,
 1522, 1524, 1526, 1539, 1548,
 1554, 1564, 1565, 1568, 1569,
 1592, 1594, 1612, 1615, 1616,
 1618, 1619, 1642, 1643, 1645,
 1646, 1650, 1654, 1663, 1665,
 1666, 1667, 1669, 1673, 1674,
 1679, 1683, 1684, 1690, 1691,
 1702, 1719, 1722, 1729, 1737,
 1738, 1741, 1742, 1756, 1758,
 1759, 1763b, 1764, 1780, 1783,
 1802, 1805, 1817, 1824, 1833,
 1834, 1837, 1844, 1845, 1846,
 1850, 1874, 1885, 1889, 1897,
 1904, 1905, 1906, 1907, 1908,
 1909, 1910, 1911, 1913, 1914,
 1922, 1923, 1924, 1925, 1926,
 1927, 1928, 1929, 1932, 1934,
 1939, 1940, 1990, 1992, 2001,
 2009, 2013, 2034, 2041, 2042,
 2044, 2047, 2050, 2060, 2061,
 2063, 2064, 2069, 2070, 2075,
 2087, 2088, 2094, 2096, 2105,
 2106, 2109, 2110, 2111, 2112,
 2113, 2114, 2115, 2117, 2122,
 2154, 2155, 2199, 2205, 2215,
 2216, 2217, 2220, 2222, 2224,
 2225, 2226, 2227, 2229, 2234,
 2246, 2276, 2292, 2294, 2302,
 2306, 2309, 2329, 2336, 2341,
 2342, 2343, 2344, 2348, 2351,
 2352, 2353, 2401, 2403, 2426,
 2429

LAKE HURON BASIN 264, 920

(SA: Great Lakes Basin)

(SA: Lake Huron)

LAKE MACATAWA, MI 1718, 2328

LAKE MICHIGAN (includes all entries
 except ones which are on Great Lakes
 in general; if known for that publica-
 tion, a more specific area is given,
 i.e., Northern Lake Michigan, or
 Eastern Lake Michigan, or Green Bay,
 etc.)

LAKE MICHIGAN BASIN 166, 264, 265, 353, 387,
 (SA: Great Lakes Basin) 622, 625, 920, 988, 1110,
 1260, 1392, 1593, 1997, 1998,

LAKE MICHIGAN BASIN (continued)	2091,	2180,	2185,	2201,	2218,
	2248				
LAKE MICHIGAN HARBORS	241,	861,	2139b		
(general; SA: specific harbors)					
LAKE MICHIGAN SHORELINE	27,	28,	29,	50,	53,
(SA: specific state's shoreline)	71,	72,	75,	148,	203,
	253,	254,	255,	259,	265,
	295,	374,	401,	402,	403,
	404,	484,	498,	499,	506,
	507,	556,	557,	558,	564,
	565,	566,	567,	568,	569,
	573,	574,	597,	623,	647,
	661,	663,	665,	668,	669,
	717,	816,	844,	872,	877,
	882,	891,	959,	964,	965,
	976,	977,	1075,	1120,	1180,
	1185,	1186,	1238,	1283,	1289,
	1296,	1300,	1328,	1361,	1385,
	1423,	1425,	1485,	1486,	1496,
	1542,	1557,	1707,	1735,	1791,
	1816,	1871,	1882,	1917,	2006,
	2098,	2099,	2100,	2116,	2117,
	2122,	2138,	2139,	2144,	2145,
	2146,	2148,	2237,	2239,	2240,
	2357,	2372,	2411		
LAKE MICHIGAN TRIBUTARIES					
(S: tributaries)					
(S: specific rivers)					
LAKE ONTARIO	5,	8,	17,	33,	48,
	49,	61,	63,	76,	82,
	83,	84,	85,	86,	88,
	89,	95,	97,	114,	130,
	131,	133,	137,	140,	141,
	142,	153,	154,	173,	174,
	175,	176,	178,	180,	182,
	184,	188,	189,	201,	202,
	210,	221,	222a,	223,	229,
	233,	243,	273,	288,	291,
	292,	297,	301,	309,	310,
	322,	339,	347,	348,	355,
	357,	360,	362,	366,	367,
	378,	388,	389,	392,	393,
	398,	399,	418,	425,	435,
	440,	442,	445,	446,	451,
	456,	468,	469,	470,	479,
	481,	512,	513,	514,	515,
	516,	517,	523,	524,	525,
	528,	530a,	531,	534,	535,
	547,	548,	591,	596,	602,
	607,	610,	611,	613,	614,
	635,	636,	643,	648,	649,
	652,	673,	676,	677,	695,
	702,	703,	713,	716,	719,

LAKE ONTARIO (continued) 720, 727, 732, 733, 737,
738, 739, 740, 742, 743,
744, 745, 746, 747, 748,
750, 752, 753, 754, 755,
758, 761, 763, 764, 765,
766, 768, 770, 771, 772,
773, 774, 775, 777, 778,
779, 780, 781, 782, 783,
784, 785, 786, 787, 788,
789, 790, 791, 792, 802,
806, 816, 823, 824, 826,
835, 836, 837, 847, 853,
862, 863, 865, 871, 888,
889, 895, 914, 917, 918,
939, 943, 946, 952, 955,
958, 985, 1026, 1029, 1030,
1031, 1034, 1035, 1036, 1037,
1038, 1039, 1040, 1045, 1046,
1047, 1048, 1049, 1050, 1051,
1052, 1053, 1055, 1056, 1057,
1058, 1059, 1062, 1064, 1074,
1094, 1105, 1108, 1111, 1119,
1134, 1159, 1160, 1161, 1166,
1174, 1198, 1199, 1216, 1223,
1225, 1227a, 1227b, 1232, 1233,
1250, 1254, 1298, 1305, 1306,
1309, 1310, 1332, 1334, 1338,
1362, 1369, 1371, 1372, 1375,
1377, 1378, 1389, 1399, 1405,
1411, 1412, 1431, 1434, 1437,
1449, 1456, 1457, 1459, 1464,
1473, 1477, 1478, 1479, 1480,
1481, 1482, 1483, 1488, 1489,
1499, 1505, 1522, 1524, 1526,
1548, 1554, 1565, 1568, 1569,
1581, 1594, 1615, 1616, 1618,
1619, 1642, 1643, 1645, 1650,
1663, 1665, 1666, 1669, 1673,
1674, 1679, 1683, 1684, 1690,
1691, 1702, 1722, 1729, 1737,
1738, 1742, 1756, 1758, 1759,
1763b, 1764, 1783, 1790, 1802,
1805, 1824, 1833, 1845, 1846,
1850, 1866, 1885, 1889, 1897,
1904, 1905, 1907, 1908, 1909,
1910, 1911, 1912, 1913, 1914,
1919, 1923, 1924, 1925, 1926,
1927, 1928, 1929, 1932, 1934,
1939, 2009, 2013, 2034, 2042,
2047, 2050, 2060, 2061, 2063,
2064, 2069, 2070, 2087, 2088,
2094, 2096, 2105, 2106, 2109,
2112, 2114, 2115, 2117, 2154,
2155, 2199, 2205, 2215, 2216,
2217, 2222, 2224, 2225, 2226,

LAKE ONTARIO (continued)	2227,	2229,	2234,	2246,	2269,
	2276,	2292,	2294,	2302,	2306,
	2309,	2329,	2341,	2348,	2351,
	2352,	2353,	2401,	2403,	2426,
	2429				
LAKE ST. CLAIR	82,	84,	88,	89,	189,
	222a,	290,	293,	347,	481,
	515,	530a,	535,	744,	813,
	1037,	1038,	1039,	1040,	1050,
	1051,	1052,	1057,	1059,	1227b,
	1395,	1402,	1477,	1478,	1480,
	1481,	1482,	1667,	1669,	1756,
	1758,	1759,	1763b,	1845,	1929,
	1932,	2034,	2069,	2070,	2094,
	2096,	2105,	2246,	2346,	2426
LAKE SUPERIOR	5,	8,	25,	48,	49,
	59,	60,	61,	63,	71,
	72,	73,	74,	82,	83,
	84,	85,	86,	88,	89,
	95,	96,	97,	114,	130,
	131,	133,	137,	140,	141,
	142,	143,	150,	153,	154,
	172,	173,	174,	175,	176,
	178,	180,	182,	184,	187,
	188,	189,	201,	202,	210,
	221,	222a,	223,	229,	232,
	233,	239,	243,	250,	258,
	273,	288,	291,	294a,	294b,
	297,	301,	309,	310,	322,
	325,	339,	347,	348,	355,
	357,	360,	362,	366,	367,
	381,	388,	389,	392,	393,
	395,	397,	399,	418,	422,
	425,	435,	440,	442,	446,
	451,	456,	461,	462,	463,
	469,	470,	479,	481,	512,
	513,	514,	515,	516,	517,
	520,	523,	524,	525,	528,
	530a,	531,	534,	535,	547,
	548,	570,	586,	591,	595,
	596,	602,	607,	611,	613,
	614,	617,	627,	628,	635,
	636,	637,	643,	648,	649,
	652,	654,	677,	695,	712,
	713,	716,	720,	727,	732,
	733,	737,	738,	739,	740,
	742,	743,	744,	745,	746,
	747,	748,	750,	752,	753,
	754,	755,	758,	761,	763,
	764,	765,	766,	768,	770,
	771,	772,	773,	774,	775,
	777,	778,	779,	780,	781,
	782,	783,	784,	785,	786,
	787,	788,	789,	790,	791,

LAKE SUPERIOR (continued) 792, 802, 816, 823, 824,
825, 826, 835, 836, 837,
847, 853, 860, 862, 863,
865, 871, 888, 889, 895,
896, 917, 918, 939, 940,
943, 952, 955, 958, 985,
1026, 1029, 1030, 1031, 1034,
1035, 1036, 1037, 1038, 1039,
1040, 1045, 1046, 1047, 1048,
1049, 1050, 1051, 1052, 1053,
1055, 1056, 1057, 1058, 1059,
1062, 1064, 1065, 1067, 1068,
1069, 1070, 1071, 1074, 1076,
1077, 1083, 1094, 1099, 1108,
1111, 1115, 1119, 1129, 1134,
1139, 1140, 1141, 1142, 1143,
1159, 1160, 1161, 1166, 1174,
1198, 1199, 1216, 1223, 1225,
1227a, 1227b, 1230, 1232, 1250,
1254, 1269, 1270, 1274, 1298,
1305, 1306, 1309, 1310, 1315,
1316, 1321, 1323, 1328, 1332,
1334, 1335, 1338, 1347, 1362,
1369, 1371, 1372, 1375, 1377,
1378, 1388, 1389, 1390, 1391,
1394, 1395, 1398, 1399, 1400,
1402, 1405, 1411, 1412, 1431,
1437, 1439, 1441, 1449, 1456,
1457, 1459, 1464, 1468, 1473,
1477, 1478, 1479, 1480, 1481,
1482, 1483, 1485, 1486, 1488,
1489, 1499, 1505, 1524, 1539,
1548, 1554, 1564, 1565, 1568,
1569, 1581, 1586, 1587, 1589,
1590, 1592, 1594, 1612, 1615,
1616, 1618, 1619, 1630, 1642,
1643, 1645, 1646, 1650, 1654,
1663, 1665, 1666, 1669, 1672,
1673, 1674, 1679, 1683, 1684,
1690, 1691, 1692, 1702, 1722,
1729, 1737, 1738, 1741, 1742,
1756, 1758, 1759, 1763b, 1764,
1783, 1785, 1790, 1802, 1805,
1813, 1824, 1833, 1834, 1835,
1837, 1845, 1846, 1850, 1884,
1885, 1889, 1897, 1904, 1905,
1906, 1907, 1908, 1909, 1910,
1911, 1912, 1913, 1914, 1915,
1922, 1923, 1924, 1925, 1926,
1927, 1928, 1929, 1932, 1934,
1939, 1949, 1950, 1980, 1981,
1990, 1992, 1993, 2009, 2013,
2014, 2041, 2042, 2043, 2044,
2047, 2050, 2060, 2061, 2063,
2064, 2065, 2069, 2070, 2075,

LAKE SUPERIOR (continued)	2079, 2087, 2088, 2094, 2096, 2105, 2106, 2109, 2112, 2113, 2114, 2115, 2117, 2122, 2154, 2155, 2199, 2205, 2215, 2216, 2217, 2220, 2222, 2224, 2225, 2226, 2227, 2229, 2233, 2234, 2237, 2246, 2276, 2282, 2284, 2292, 2294, 2302, 2306, 2309, 2329, 2336, 2341, 2342, 2343, 2344, 2348, 2351, 2352, 2353, 2364, 2366, 2369, 2370, 2374, 2380, 2381, 2401, 2403, 2412, 2426, 2429, 2433
LAKE WINNEBAGO, WI	650, 1237, 1737, 1795, 1796, 2363 (Note: only includes those also mentioning Green Bay)
LAKESIDE, MI	848, 1882
LAKESIDE GENERATING STATION, MI	315, 2383
LAPORTE COUNTY, IN	987, 1768
LELAND, MI	2239, 2240
LINCOLN RIVER, MI	1718
LINCOLN TOWNSHIP, MI	73, 256, 1328
LITTLE BAY DE NOC	155, 439, 546, 700, 1349, 1585, 1588, 1613, 1788, 2041, 2278, 2279, 2281, 2283
LITTLE CALUMET RIVER, IN	52, 66, 978, 1820, 1936, 2171, 2174, 2178
LITTLE SABLE POINT, MI	345, 857, 1816, 1818, 2237
LITTLE SCARBORO CREEK, WI	379, 380
LITTLE TRAVERSE BAY	86, 326, 584, 850, 1502, 1769, 2086
LUDINGTON, MI	73, 191, 261, 262, 294, 365, 375, 405, 406, 433, 437, 850, 857, 859, 893, 951, 1181, 1248, 1249, 1328, 1367, 1368, 1526, 1537, 1668, 1680, 1736, 1920, 2141, 2189, 2337, 2444
LUDINGTON HARBOR, MI	437, 2141
LUDINGTON STATE PARK, MI	73, 294, 1328
MACKINAW CITY, MI	1668
MANISTEE, MI	623, 951, 1510, 1511, 2189, 2239, 2240
MANISTEE COUNTY, MI	75
MANISTEE RIVER, MI	311, 621, 1704, 1718

MANISTIQUE, MI	73, 1526, 1920, 2189
MANISTIQUE RIVER, MI	1704, 1718, 2347, 2354
MANITOU ISLAND, MI	674, 675, 1163, 1831, 1832, 1893
MANITOU PASSAGE	345, 674, 675
MANITOWOC, WI	318, 433, 623, 936, 1065, 1196, 1215, 1256, 1860, 2189
MANITOWOC COUNTY, WI	1215
MANITOWOC RIVER, WI	844, 1704, 1718, 1861, 2354
MARQUETTE HATCHERY, MI	2416
MENASHA, WI	1821
MENOMINEE HARBOR, WI	2108
MENOMINEE RIVER, WI-MI	236, 1339, 1704, 1718, 1769, 1833, 2354
MENOMONEE RIVER, WI	1953, 2368
MICHIANA, MI	73, 1328
MICHIGAN	20, 22, 43, 64, 73, 77, 103, 104, 105, 106, 107, 108, 112, 115, 116, 117, 118, 119, 120, 121, 122, 123, 125, 126, 127, 128, 143, 155, 165, 191, 232, 250, 256, 262, 264, 265, 279, 280, 351, 354, 365, 395, 397, 398, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 421, 437, 439, 483, 486, 497, 518, 551, 552, 553, 554, 561, 570, 577, 583, 599, 600, 604, 618, 619, 620, 627, 644, 662, 664, 683, 685, 689, 702, 710, 718, 722, 742, 751, 773, 800, 850, 857, 860, 875, 879, 883, 893, 904, 906, 922, 936, 951, 989, 990, 1056, 1065, 1067, 1073, 1088, 1091, 1092, 1095, 1096, 1097, 1098, 1102, 1109, 1116, 1127, 1128, 1154, 1163, 1164, 1181, 1216, 1220, 1228, 1233, 1243, 1244, 1248, 1249, 1251, 1252, 1253, 1256, 1280, 1282, 1285, 1312, 1318, 1320, 1321, 1322, 1323, 1325, 1335, 1349, 1363, 1367, 1368, 1398, 1424, 1429, 1430, 1445, 1446, 1447,
(SA: specific cities, rivers, or power plants)	

MICHIGAN (continued)	1448,	1451,	1456,	1463,	1490,
	1492,	1493,	1506,	1509,	1510,
	1511,	1526,	1528,	1529,	1537,
	1541,	1543,	1556,	1572,	1573,
	1574,	1575,	1577,	1578,	1585,
	1588,	1599,	1613,	1624,	1636,
	1640,	1647,	1668,	1680,	1692,
	1696,	1697,	1704,	1710,	1711,
	1712,	1717,	1718,	1733,	1734,
	1736,	1770,	1774,	1775,	1776,
	1782,	1807,	1839,	1841,	1877,
	1878,	1879,	1880,	1881,	1883,
	1892,	1915,	1931,	1944,	1983,
	1984,	1988,	1990,	1992,	2001,
	2003,	2011,	2012,	2017,	2026,
	2055,	2060,	2062,	2069,	2070,
	2087,	2108,	2119,	2149,	2175,
	2180,	2186,	2189,	2190,	2192,
	2197,	2198,	2203,	2205,	2207,
	2208,	2209,	2210,	2211,	2212,
	2223,	2238,	2243,	2244,	2248,
	2250,	2278,	2283,	2284,	2285,
	2289,	2299,	2313,	2314,	2315,
	2321,	2328,	2337,	2342,	2343,
	2344,	2347,	2354,	2416,	2428,
	2434,	2442,	2444		
MICHIGAN CITY, IN	64,	80,	107,	220,	433,
	922,	1188,	1190,	1699,	1700,
	2057,	2307,	2357,	2411	
MICHIGAN SHORELINE	27,	71,	72,	75,	148,
(SA: Michigan)	253,	254,	255,	259,	294b,
	295,	484,	498,	499,	506,
	507,	623,	647,	661,	665,
	668,	717,	816,	833,	872,
	877,	1120,	1180,	1289,	1328,
	1361,	1385,	1423,	1425,	1496,
	1542,	1735,	1791,	1816,	1882,
	2117,	2122,	2139,	2240,	2372,
	2437,	2444			
MICHIGAN WATERS	74,	218,	219,	234,	235,
(SA: Michigan)	252,	261,	294,	311,	345,
(SA: specific sections of	375,	433,	587,	633,	674,
Lake Michigan	675,	824b,	1117,	1118,	1330,
	1390,	1391,	1394,	1395,	1592,
	1622,	1625,	1720,	1769,	1788,
	1812,	1831,	1832,	1833,	1843,
	1875,	1893,	1920,	1986,	1987,
	1989,	1991,	2078,	2090,	2285,
	2415,	2442			
MILWAUKEE, WI	46,	113,	143,	152,	156,
	157,	159,	181,	185,	191,
	192,	212,	280,	306,	375,
	398,	423,	433,	467,	612,

MILWAUKEE, WI (continued)	629, 656, 702, 703, 839, 845, 846, 850, 861, 870, 871, 897, 902, 936, 1072, 1116, 1137, 1151, 1196, 1207, 1220, 1234, 1236, 1280, 1288, 1290, 1296, 1300, 1373, 1421, 1427, 1430, 1436, 1474, 1490, 1506, 1510, 1511, 1516, 1518, 1519, 1557, 1647, 1668, 1707, 1740, 1778, 1821, 1830, 1846, 1850, 1859, 1860, 1944, 1999, 2000, 2001, 2080, 2083, 2102, 2146, 2154, 2165, 2167, 2170, 2173, 2187, 2189, 2223, 2342, 2343, 2344, 2356, 2368, 2432
MILWAUKEE COUNTY, WI	1436, 2146
MILWAUKEE HARBOR, WI	113, 152, 181, 185, 237, 280, 375, 612, 702, 845, 870, 871, 897, 902, 1220, 1235, 1236, 1373, 1427, 1518, 1740, 1778, 1999, 2000, 2083, 2165, 2167, 2170, 2187, 2265, 2432
MILWAUKEE RIVER, WI	237, 947, 1167, 1235, 1339, 1718, 2259, 2264, 2265, 2354, 2377
MINNESOTA	143, 627, 742, 751, 773, 1056, 1216, 1456, 2043, 2060, 2087, 2205, 2342, 2343, 2344
MISSISSIPPI RIVER	7, 170, 1026, 1140, 1142, 1230, 1237, 2091
MONTROSE HARBOR, IL	311
MORAN TOWNSHIP, MI	73, 1328
MUSKEGON, MI	156, 211, 294, 375, 393, 395, 397, 433, 477, 570, 609, 800, 875, 936, 1252, 1253, 1280, 1424, 1430, 1490, 1506, 1510, 1511, 1625, 1704, 1718, 1812, 1839, 2189, 2223, 2354
MUSKEGON COUNTY, MI	43, 75, 295
MUSKEGON HARBOR, MI	1812
MUSKEGON LAKE, MI	86
MUSKEGON RIVER, MI	211, 800, 1704, 1718, 1839, 2354
NAUBINWAY, MI	1312
NEENAH, WI	1821

NEW BUFFALO HARBOR, MI	457, 2119
NEW YORK	398, 577, 702, 742, 751, 773, 1056, 1216, 1456, 2060, 2087, 2122, 2205, 2238, 2343, 2344
NIAGARA RIVER, NY	82, 88, 89, 189, 222a, 288, 1037, 1040, 1049, 1050, 1051, 1052, 1059, 1456, 1478, 1480, 1481, 1482, 1665, 1667, 1679, 2110, 2342, 2344
NORTH BAY	909
NORTH CHICAGO, IL	402, 557, 569, 982
NORTH MANITOU ISLAND, MI	1163
(SA: Manitou Island)	
NORTHEASTERN ILLINOIS	688, 941, 1799, 1855
NORTHEASTERN LAKE MICHIGAN	225, 674, 675, 1163, 1415, 1416
NORTHERN LAKE MICHIGAN	32, 57, 91, 92, 96, 155, 161, 207, 208, 219, 240, 252, 271, 283, 294b, 328, 329, 330, 333, 335, 336, 337, 390, 441, 540, 542, 546, 650, 704, 803, 804, 898, 909, 1079, 1080, 1081, 1100, 1102, 1271, 1312, 1313, 1320, 1322, 1342, 1349, 1418, 1454, 1497, 1500, 1502, 1526, 1579, 1585, 1588, 1609, 1613, 1640, 1685, 1687, 1736, 1765, 1769, 1771, 1842, 1893, 1915, 1940, 1943, 1944, 1945, 1946, 1992, 2001, 2005, 2069, 2070, 2086, 2172, 2175, 2231, 2249, 2332, 2363, 2400
NORTHWESTERN LAKE MICHIGAN	1082
OAK CREEK, WI	423, 424, 1859, 1860, 2377
OAK CREEK GENERATING STATION, WI	181, 315, 550, 1442, 1804, 2385
OCONTO RIVER, WI	844, 1339, 1704, 1718, 2260, 2354
OGONTZ RIVER, MI	250, 824b, 1915
OHIO	143, 398, 702, 742, 751, 773, 1056, 1216, 1456, 1582, 2060, 2087, 2205, 2238
OHIO RIVER, OH	7, 1026, 1230, 2071
OTTAWA COUNTY, MI	295

PALISADES NUCLEAR POWER PLANT, MI	39, 64, 163, 164, 195, 196, 197, 407, 408, 409, 410, 411, 415, 680, 681, 1169, 1556, 1572, 1573, 1574, 1575, 1577, 1578, 1622, 1636, 1792, 1931, 2149
PENNSYLVANIA	742, 751, 773, 1056, 1216, 1456, 2060, 2087, 2205
PENSAUKEE RIVER, WI	1718, 2260
PENTWATER HARBOR, MI	1251
PENTWATER RIVER, MI	211, 1718
PERE MARQUETTE RIVER, MI	904, 1704, 1718, 2354
PERE MARQUETTE TOWNSHIP, MI	73, 1328
PESHTIGO RIVER, WI	1339, 1704, 1718, 2260, 2354
PIKE RIVER, WI	2378
PLATTE RIVER, MI	562, 1692, 1718, 1984, 1990, 1992, 2337
POINT BEACH NUCLEAR POWER PLANT, WI	44, 55, 64, 165, 313, 314, 315, 317, 678, 679, 680, 681, 684, 793, 801, 905, 1149, 1150, 1151, 1152, 1169, 1233, 1314, 1329, 1556, 1582, 1636, 1659, 1660, 1744, 1746, 1747, 1749, 1751, 1752, 1753, 1754, 1755, 1811, 1821, 1823, 1954, 1955, 1957, 1958, 1962, 1964, 1965, 1966, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 2058, 2066, 2078, 2151, 2382, 2384, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2404, 2417, 2434
POINT BETSIE, MI	395, 397
PORT INLAND, MI	1668
PORT SHELDON, MI	259, 1875
PORT WASHINGTON, WI	64, 265, 1228, 1268, 2189, 2223
PORTAGE LAKE, MI	259, 2337
PORTER COUNTY, IN	840, 987, 1768
PULLIAM GENERATING STATION, WI	64, 1609, 2231, 2332, 2400
RACINE, WI	861, 1145, 1196, 1538, 1812, 2135, 2139a, 2170, 2187, 2189
RACINE COUNTY, WI	811, 954, 1192, 2144
RACINE HARBOR, WI	1812, 2135, 2170, 2187

RAPID RIVER, MI	1704, 2354
ROCK ISLAND STATE PARK, WI	1463
ROOT RIVER, WI	1718, 2376
SALT CREEK BASIN, IN	1262
SAUGATUCK, MI	279, 280, 518, 922, 1116, 1181, 1228, 1363, 1367, 1368, 1625, 1680, 1696, 1697, 2189, 2313, 2314, 2315, 2321, 2337
SAULT STE. MARIE, MI	2342, 2343, 2344
SCHOOLCRAFT COUNTY, MI	75
SHEBOYGAN, WI	216, 503, 663, 859, 861, 1109, 1196, 1243, 1821, 2189
SHEBOYGAN COUNTY, WI	797
SHEBOYGAN RIVER, WI	1704, 1718, 2354, 2360
SHOE ISLAND, MI	1271
SHOREWOOD, WI	669
SILVER LAKE STATE PARK, MI	1463
SLEEPING BEAR POINT, MI	345
SNYDER CREEK, MI	1320, 1321, 1915
SOUTH FOX ISLAND, MI	1944
SOUTH HAVEN, MI	505, 668, 951, 1243, 1625, 2189
SOUTH MANITOU ISLAND, MI	1163, 1831, 1832, 1893
(SA: Manitou Island)	
SOUTHEASTERN LAKE MICHIGAN	430, 485, 486, 497, 498, 499, 504, 508, 553, 587, 660, 662, 664, 672, 833, 848, 922, 1095, 1096, 1097, 1098, 1265, 1357, 1361, 1452, 1622, 1624, 1696, 1697, 1776, 1878, 1879, 1880, 1881, 1882, 2314, 2315, 2407, 2409
SOUTHERN LAKE MICHIGAN	1, 22, 29, 51, 58, 81, 98, 103, 107, 109, 111, 115, 143, 149, 158, 167, 168, 191, 192, 194, 203, 205, 214, 220, 222b, 266, 274, 280, 296, 319, 346, 349, 354, 369, 370, 374, 382, 383, 384, 385, 386, 400, 401, 403, 404, 429, 455, 483, 484, 501, 550, 551, 556, 559, 566, 567, 569, 580, 592, 593, 598, 626, 645, 646, 658,

SOUTHERN LAKE MICHIGAN (continued) 668, 676, 686, 689, 692,
701, 707, 708, 731, 798,
807, 811, 834, 838, 840,
891, 892, 930, 942, 947,
948, 956, 957, 960, 961,
962b, 964, 966b, 969, 970,
972, 973, 982, 983, 986,
994, 995, 996, 997, 998,
999, 1000, 1002, 1003, 1004,
1005, 1007, 1009, 1011, 1012,
1013, 1014, 1015, 1016, 1017,
1019, 1020, 1022, 1023, 1060,
1075, 1090, 1093, 1104, 1105,
1106, 1112, 1123, 1130, 1133,
1167, 1173, 1182, 1187, 1188,
1190, 1191, 1194, 1201, 1207,
1211, 1218, 1219, 1220, 1221,
1222, 1238, 1240, 1241, 1242,
1243, 1245, 1247, 1266, 1267,
1279, 1280, 1282, 1283, 1284,
1286, 1288, 1290, 1292, 1293,
1294, 1296, 1299, 1300, 1324,
1326, 1339, 1340, 1351, 1352,
1353, 1385, 1393, 1408, 1413,
1436, 1446, 1450, 1451, 1455,
1460, 1461, 1462, 1471, 1506,
1511, 1515, 1518, 1531, 1549,
1550, 1551, 1555, 1557, 1583,
1599, 1606, 1626, 1627, 1639,
1647, 1675, 1676, 1689, 1698,
1699, 1700, 1705, 1706, 1709,
1711, 1713, 1714, 1716, 1717,
1733, 1768, 1774, 1777, 1782,
1792, 1808, 1819, 1820, 1827,
1856, 1857, 1865a, 1867, 1877,
1887, 1891, 1892, 1894, 1895,
1896, 1899, 1900, 1936, 1937,
1953, 1967, 1982, 1996, 2006,
2015, 2016, 2031, 2038, 2045,
2054, 2056, 2057, 2074, 2093,
2095, 2099, 2100, 2102, 2119,
2120, 2123, 2125, 2126, 2127,
2128, 2129, 2130, 2131, 2132,
2133, 2136, 2137, 2138, 2145,
2146, 2152, 2154b, 2156, 2160,
2161, 2163, 2164, 2173, 2174,
2176, 2177, 2178, 2181, 2183,
2184, 2191, 2193, 2194, 2195,
2196, 2221, 2253, 2254, 2255,
2256, 2257, 2258a, 2258b, 2271,
2272, 2305, 2311, 2313, 2316,
2317, 2318, 2321, 2339, 2340,
2355, 2356, 2368, 2376, 2377,
2378, 2410, 2411, 2421, 2428,
2431

SOUTHWESTERN LAKE MICHIGAN	26,	169,	574,	729,	730,
	799,	954,	1001,	1006,	1010,
	1024,	1025,	1354,	1358,	1694,
	1800,	1809,	1810,	1830,	1947,
	2007				
SPIDER ISLAND, WI	1600				
SPRING LAKE, MI	2328				
ST. CLAIR RIVER	82,	84,	88,	89,	189,
	222a,	288,	290,	293,	648,
	649,	744,	955,	1037,	1040,
	1049,	1050,	1051,	1052,	1059,
	1456,	1665,	1667,	1679,	1845,
	2069,	2070,	2094,	2096,	2110,
	2426				
ST. JOSEPH, MI	728,	869,	988,	1361,	1511,
	1881				
ST. JOSEPH COUNTY, MI	988				
ST. JOSEPH RIVER, MI	421,	587,	722,	800,	1622,
	1624,	1704,	1718,	1833,	1839,
	2238,	2250,	2354		
ST. LAWRENCE RIVER	82,	88,	89,	144,	222a,
	288,	744,	755,	1026,	1037,
	1049,	1050,	1051,	1052,	1456,
	1478,	1480,	1481,	1482,	1525,
	1679,	1845,	1846,	1847,	1848,
	1850,	1853,	1858,	2154	
ST. MARY'S RIVER	82,	84,	88,	89,	133,
	222a,	288,	398,	1037,	1040,
	1049,	1050,	1051,	1052,	1059,
	1395,	1414,	1456,	1478,	1480,
	1481,	1482,	1665,	1679,	1845,
	2094,	2096,	2142,	2154,	2426
STATE LINE GENERATING STATION, IL	679,	1470,	1636		
STEVENSVILLE, MI	486,	497,	498,	504,	662,
	664,	665			
STRAITS OF MACKINAC	96,	704,	813,	850,	866,
	867,	1195,	1197,	1227b,	1318,
	1406,	1646,	1737,	1817,	1844,
	1934,	1943,	1944,	2142,	2172,
	2270				
STURGEON BAY, WI	861,	1346,	1418,	1453,	1475,
	1526,	1668,	1736,	1812	
SUAMICO RIVER, WI	361				
(SA: Big Suamico River)					
TERRY ANDRAE STATE PARK, WI	563,	564,	565,	572,	573,
	715,	818,	2092		
THOMPSON, MI	1328				

TRAIL CREEK, IN	1718				
TRAVERSE CITY, MI	951				
TRIBUTARIES (general)	59,	86,	93,	94,	240,
(SA: specific rivers)	284,	285,	286,	361,	581,
	768,	800,	878,	889,	1087,
	1089,	1099,	1122,	1139,	1140,
	1143,	1199,	1392,	1710,	1718,
	1861,	1902,	1983,	2186,	2190,
	2192,	2197,	2198,	2207,	2208,
	2209,	2210,	2211,	2212,	2220,
	2248,	2284,	2287,	2369,	2433
TWIN RIVER, WI	844,	2361			
TWO CREEKS, WI	621				
TWO RIVERS, WI	621,	623,	657,	861,	1510,
	1511,	1718,	1734,	1860,	1861
UNION PIER, MI	1882				
VAN BUREN COUNTY, MI	295				
WARREN DUNES STATE PARK, MI	294,	1881			
WAUGOSHANCE POINT, MI	1193				
WAUKEGAN, IL	29,	64,	80,	81,	107,
	280,	311,	402,	433,	557,
	558,	559,	566,	580,	670,
	731,	799,	982,	1169,	1220,
	1228,	1238,	1243,	1256,	1782,
	1809,	1826,	1841,	1891,	1892,
	2008,	2028,	2031,	2093,	2102
WAUKEGAN GENERATING STATION, IL	1,	2,	167,	168,	266,
	369,	370,	382,	455,	678,
	679,	684,	948,	996,	997,
	998,	1000,	1001,	1002,	1003,
	1004,	1005,	1006,	1009,	1011,
	1012,	1013,	1014,	1015,	1016,
	1017,	1545,	1550,	1551,	1552,
	1636,	1659,	1748,	1754,	1755,
	1965,	2066			
WAUKEGAN HARBOR, IL	64,	280,	433,	557,	558,
	559,	580,	670,	1220,	1243,
	1841,	2093			
WESTERN LAKE MICHIGAN	162,	459,	500,	503,	572,
	663,	669,	706,	715,	818,
	868,	881,	1149,	1150,	1291,
	1421,	1538,	1707,	1734,	1735,
	1803,	1804,	1861,	2006,	2058,
	2092,	2135,	2144,	2360,	2361,
	2372,	2373			
WHITE LAKE, MI	259,	1875,	2328		

WHITE RIVER, MI	1704,	1718		
WHITEFISH BAY, WI	669			
WHITEFISH RIVER, MI	250,	1585,	1588,	1704, 1718,
	2354			
WILMETTE, IL	402,	557,	559,	566, 1238,
	1826,	2102		
WILMETTE HARBOR, IL	559			
WINNETKA, IL	29,	311,	402,	557, 558,
	569,	982,	1639,	1826
WINTHROP HARBOR, IL	670,	982,	1826	
WISCONSIN	9,	20,	31,	44, 45,
(SA: specific cities, rivers, or	46,	54,	55,	64, 77,
power plants)	94,	113,	143,	151, 152,
	156,	157,	159,	165, 181,
	184,	185,	191,	192, 204,
	207,	208,	212,	216, 236,
	237,	244,	245,	246, 250,
	265,	280,	306,	311, 313,
	314,	315,	317,	318, 327,
	351,	361,	375,	379, 380,
	398,	423,	424,	433, 434,
	461,	467,	503,	511, 520,
	522,	527,	536,	541, 544,
	550,	563,	564,	565, 571,
	572,	573,	577,	597, 610,
	612,	616,	621,	623, 627,
	628,	629,	650,	656, 657,
	663,	669,	678,	679, 680,
	681,	694,	702,	703, 706,
	710,	711,	715,	717, 724,
	742,	751,	773,	793, 797,
	800,	801,	811,	812, 815,
	816,	818,	827,	839, 844,
	845,	846,	850,	859, 861,
	870,	871,	874,	881, 882,
	887,	897,	902,	905, 925,
	936,	940,	947,	954, 984,
	1001,	1008,	1021,	1056, 1065,
	1072,	1079,	1080,	1081, 1088,
	1089,	1109,	1115,	1116, 1125,
	1137,	1139,	1140,	1141, 1142,
	1145,	1146,	1149,	1150, 1151,
	1152,	1167,	1169,	1170, 1178,
	1183,	1188,	1190,	1192, 1196,
	1200,	1206,	1207,	1210, 1214,
	1215,	1216,	1220,	1221, 1228,
	1230,	1234,	1235,	1236, 1237,
	1243,	1256,	1258,	1260, 1268,
	1278,	1280,	1285,	1288, 1290,
	1296,	1300,	1314,	1318, 1321,
	1329,	1339,	1346,	1347, 1350,

WISCONSIN (continued)	1373, 1380, 1397, 1401, 1413, 1418, 1421, 1427, 1429, 1430, 1436, 1442, 1453, 1456, 1463, 1465, 1466, 1469, 1474, 1485, 1486, 1490, 1497, 1501, 1506, 1510, 1511, 1516, 1518, 1519, 1526, 1538, 1543, 1544, 1556, 1557, 1580, 1582, 1607, 1608, 1609, 1629, 1630, 1631, 1636, 1645, 1647, 1660, 1668, 1704, 1707, 1718, 1734, 1736, 1740, 1744, 1746, 1747, 1749, 1751, 1752, 1753, 1754, 1755, 1769, 1772, 1778, 1779, 1795, 1796, 1797, 1798, 1804, 1811, 1812, 1821, 1823, 1830, 1833, 1846, 1850, 1859, 1860, 1861, 1862, 1864, 1869, 1871, 1890, 1902, 1917, 1944, 1949, 1950, 1952, 1953, 1954, 1955, 1957, 1958, 1962, 1964, 1965, 1966, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1976, 1977, 1980, 1982, 1999, 2000, 2001, 2005, 2006, 2008, 2012, 2024, 2046, 2058, 2060, 2066, 2078, 2080, 2083, 2084, 2086, 2087, 2092, 2102, 2104, 2108, 2117, 2135, 2139a, 2139b, 2140, 2143, 2144, 2146, 2151, 2154, 2165, 2167, 2170, 2173, 2175, 2180, 2186, 2187, 2189, 2190, 2192, 2197, 2198, 2203, 2205, 2207, 2208, 2209, 2210, 2211, 2212, 2219, 2223, 2229, 2231, 2259, 2260, 2264, 2265, 2324, 2332, 2333, 2342, 2343, 2344, 2354, 2359, 2360, 2361, 2363, 2364, 2365, 2366, 2368, 2369, 2371, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2382, 2384, 2385, 2386, 2387, 2388, 2389, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2404, 2417, 2431, 2432, 2433, 2434
WISCONSIN HARBORS (general)	861, 2139b
(SA: specific harbors)	
WISCONSIN PORTS (general)	1347
WISCONSIN SHORELINE	265, 564, 565, 573, 597, 623, 663, 669, 717, 816, 844, 882, 1296, 1300, 1485, 1486, 1557, 1707, 1871, 1917, 2006, 2117, 2139a, 2144, 2146
(SA: Wisconsin)	

WISCONSIN TRIBUTARIES	94,	361,	1902,	2208,	2211,
(SA: specific rivers)	2212				
(SA: tributaries)					
WISCONSIN WATERS	311,	375,	433,	461,	563,
(SA: Wisconsin)	571,	572,	612,	947,	1140,
(SA: Green Bay)	1142,	1214,	1501,	1630,	1769,
(SA: specific sections of	1811,	1812,	1821,	1833,	1859,
Lake Michigan)	1860,	1861,	1949,	1950,	1999,
	2000,	2058,	2078,	2092,	2264,
	2364,	2365,	2366,	2369,	2374,
	2375				
WOLF LAKE, IL	978,	2171,	2174,	2178	
WOLVERINE HATCHERY, MI	562				
ZION, IL	311,	503,	505,	558,	670,
	731,	982,	1188,	1190,	1515,
	1734,	1809,	2078,	2102	
ZION NUCLEAR POWER PLANT, IL	26,	51,	64,	165,	168,
	266,	369,	370,	382,	383,
	384,	385,	455,	729,	807,
	948,	956,	957,	994,	998,
	1001,	1002,	1003,	1004,	1005,
	1006,	1007,	1011,	1013,	1015,
	1016,	1017,	1019,	1020,	1022,
	1023,	1024,	1075,	1104,	1133,
	1182,	1211,	1358,	1455,	1460,
	1461,	1471,	1549,	1550,	1551,
	1555,	1639,	1659,	1676,	1867,
	1965,	1967,	2007,	2056,	2078,
	2152,	2421			