

NWRI CONTRIBUTION 87-46

**HYDRAULICS DIVISION  
REPORTS AND PUBLICATIONS**

Edited by

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F. M. BOYCE Transferred to  
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- A. J. Zeman (16) "Erosion Resistance of Cohesive Sediments". Proceedings 3rd Workshop on Coastal Erosion and Sedimentation, NRCC, pp. 93-96, November 1982.
- T. M. Dick  
A. J. Zeman (17) "Coastal Processes on Soft Shores". Proceedings Canadian Coastal Conference, NRCC, pp. 19-35, May 1983.
- A. J. Zeman (18) "Erosion of Cohesive Sediments, Bibliography and Annotated Abstracts". NWRI Unpublished Report, February 1983.
- A. J. Zeman (19) "Stratigraphy and Textural Composition of Bluff Soil Strata, North Shore of Lake Erie between Rondeau and Long Point". NWRI Unpublished Report, September 1983. Restricted Distribution.
- A. Mudroch  
A. J. Zeman (20) "Calcium Carbonate in Postglacial Lake Erie Sediment". Journal of Great Lakes Research Vol. 8(4), pp. 711-718, 1982.  
L. L. Kalas
- A. J. Zeman (21) "Laboratory Test of Sediment Erodibility Part 1 - Equipment, Theory and Calibration". NWRI Contribution 85-04, December 1984.
- N. A. Rukavina  
A. J. Zeman (22) "Erosion and Sedimentation along a Cohesive Shoreline - The North-Central Shore of Lake Erie". Submitted to the Journal of Great Lakes Research, NWRI Contribution 85-134, October 1985.
- J. P. Coakley  
N. A. Rukavina  
A. J. Zeman (23) "Wave-Induced Subaqueous Erosion of Cohesive Tills: Preliminary Results". NWRI Contribution 86-118. Proceedings of the Symposium on Cohesive Shores, ACROSES, NRCC, Burlington, Ont., May 5-7, 1986, pp. 120-136.



- A. J. Zeman (24) "Erodibility of Undisturbed Lake Erie Tills". NWRI Contribution 86-119. Proceedings of the Symposium on Cohesive Shores, ACROSES, NRCC, Burlington, Ont., pp. 150-169, May 5-7, 1986.
- A. J. Zeman (25) "Laboratory Test of Sediment Erodibility Part II - Erodibility Tests on Undisturbed Lake Erie and Lake Ontario Tills". NWRI Contribution 86-113, September 1986.
- A. J. Zeman Abstract: "Influence of Groundwater on Slope Stability of Rapidly-retreating Shore Bluffs". Submitted to the IAGLR 30th Conference, U. of Michigan, Ann Arbor, MI, May 11-14, 1987.

**TECHNICAL NOTES**

TECHNICAL NOTES

<u>No.</u>	<u>Date</u>	<u>Author</u>	<u>Title</u>
<b><u>1975</u></b>			
75-1	05/75	Y. L. Lau	"A Report on the Feasibility and Cost of Aeration on the Red River".
75-2	06/75	M. G. Skafel	Review of "Entrance Improvements Study, Wheatley Harbour, Wheatley, Ontario. March 1975".
75-3	02/75	F. M. Boyce	"Potential Change in the Level of Lake Ontario During IFYGL due to Thermal Expansion and Contraction".
75-4	10/75	T. M. Dick	* "Shore Erosion Protection - Burlington Bay".
75-5	11/75	J. Marsalek	"Comparison of the Queen's University Urban Runoff Model (QUURM) and Storm Water Management Model (SWMM)".
<b><u>1976</u></b>			
76-1	01/76	N. A. Rukavina G. G. LaHaie	"Changes in Size-Analysis Procedures", CCIW Sedimentology Laboratory".
76-2	03/76	Y. L. Lau P. F. Hamblin T. M. Dick	"The Problem of Measuring the Mass Exchange at the Narrows, Lake Winnipeg".
76-3	05/76	M. G. Skafel	"A Note on Wave Slope".
76-4	08/76	T. M. Dick	* "Shore Erosion Protection - Burlington Bay".
76-5	07/76	J. P. Coakley	"Review of 'University of Waterloo Study of Shore Erosion, Shoreline Geotechnics, Hydrodynamic Processes and Shore Protection along the Shore of Western Lake Ontario'". (4 reports submitted in 1976).

76-6 07/76 W. Moody "Venturi Meter Calibration".  
W. K. Stage  
76-7 11/76 T. M. Dick "Model Study of Wheatley  
Y. L. Lau Harbour".

1977

77-1 01/77 T. M. Dick "Oil Recovery from Ice-Covered  
G. Tsang Rivers".  
Y. L. Lau  
77-2 03/77 G. A. MacInnis "A Method for Fossil Pollen  
Extraction from Sand-Rich  
Sediments".  
77-3 05/77 D. St. Jacques "Hydrographic Data for Eastern  
Lake Erie".  
77-4 05/77 E. C. Chen "Theoretical and Laboratory  
G. Tsang Study of Recovery of Spilled Oil  
R. K. Carson in Rivers from Cut Slots on the  
Ice Cover". (HRD Study No. H77  
047).  
77-5 05/77 T. M. Dick "Wind and Wave Energy".  
77-6 06/77 W. J. Moody "Stability and Drag Tests on  
Y. L. Lau Submerged Floats - 1/2 Scale  
W. M. Stage Subsurface Float". (HRD Study  
H77 050).  
77-7 06/77 M. A. Donelan "Wave and Wind Observations in  
D. C. Beesley Support of Yacht Testing".  
77-8 06/77 W. Moody "Towing Tests of Bora 108  
Underwater Towed Body". (HRD  
Study H77 050).  
77-9 06/77 W. K. Stage "Stability and Drag Tests on  
W. J. Moody Submerged Floats - 'Hard Hat'  
Y. L. Lau Subsurface Float". (HRD Study  
H77 050).  
77-10 20/7/77 Y. L. Lau "Research Proposal - Exploratory  
Tests of Air-Curtain Barrier".  
77-11 17/8/77 W. J. Moody "Stability and Drag Tests on  
Submerged Floats - Modified 1/2  
Scale Subsurface Float". (HRD  
Study H77 050).

77-12	08/77	J. Marsalek J. Dalton	"Calibration of Sewer Weirs for the City of Toronto".
77-13	09/77	N. A. Rukavina J. Dalton	"Measurement of Thickness of Nearshore Sands by Hydraulic Jetting".
77-14	10/77	W. J. Moody	"Temperature Stress Test and Evaluation of an OTT Potentiometric Punch Paper Tape Recorder".
77-15	11/77	M. Donelan	"Wave Information from a Floating Buoy".
77-16	12/77	D. St. Jacques G. LaHaie	"Particle Size Analysis Data Report 77-1".
77-17	12/77	P. Engel	"Determination of Waiting Times Between Successive Runs when Calibrating Price 622AA Type Current Meters in a Towing Tank".

1978

78-01	01/78	N. Rukavina D. St. Jacques	"Lake Erie Nearshore Sample Data, Fort Erie to Peacock Point".
78-02	01/78	J. Marsalek	"Overview of Annual Unit Pollutant Loads from Urban Runoff and Combined Sewer Overflows".
78-02A Addendum	05/78	J. Marsalek	"Annual Unit Pollutant Loads in Urban Runoff and Combined Sewer Overflows.".
78-03	01/78	D. St. Jacques	"Particle Size Data Report 78-1".
78-04	02/78	M. Skafel	"Longshore Sediment Transport: Colchester South and Gosfield South Townships, Lake Erie".
78-05	02/78	G. LaHaie	"Particle Size Data Report 78-2".
78-06	03/78	W. J. Moody Y. L. Lau K. Salisbury	"Stability and Drag Tests on Submerged Floats - Braincon Subsurface Buoy".

78-07	04/78	W. J. Moody	"Stability & Drag Tests on Submerged Floats - 1/2 Scale Back-Up Buoyancy Float".
78-08	04/78	W. J. Moody Y. L. Lau	"Stability & Drag Tests on Submerged Floats - 1/2 Scale Ore Float".
78-09	05/78	G. G. LaHaie	"Particle Size Data Report 78-3".
78-10	06/78	P. Engel Y. L. Lau	"Modification to Hydrographic Method to Compute Bed Load from Dune Profiles in Open Channel Flow".
78-11	08/78	T. M. Dick Y. L. Lau	"Design of Substitute Drag Device of Neutral Buoyancy".
78-12	07/78	N. A. Rukavina	"Air-Photo Reconnaissance, Great Lakes' Shorelines".
78-13	07/78	P. Engel	"Preliminary Tests of the Hydrographic Method to Compute Bed Load using Flume Data".
78-14	08/78	A. J. Zeman	"Estimate of Torque Required for Anchors Embedded in Lake Bottom Sediment".
78-15	08/78	J. P. Coakley T. M. Dick M. G. Skafel	"Littoral Processes and Shore Protection Options in the Vicinity of the Long Point Lighthouse, Lake Erie".
78-16	09/78	P. Engel	"A Bed Load Equation using Average Departures about the Mean Bed Elevation and Dune Speed".
78-17	12/78	A. J. Zeman	"Calculation of Bearing Capacity and Settlement for Proposed Installation of Vertical Automatic Profiler in Central Lake Erie Basin".
78-18	12/78	W. J. Moody Y. L. Lau	"Manning's n for the Westeel Rosco Corrugated Pipe".
78-19	12/78	G. A. Duncan	"Particle Size Data Report 78-04".
78-20	08/78	G. A. Duncan	"Particle Size Data Report 78-05".

1979

79-01	01/79	N. A. Rukavina	"Lake Erie Nearshore Sediments, Peacock Point to Hoover Point".
79-02	01/79	N. A. Rukavina G. G. LaHaie	"Georgian Bay Nearshore Sample Data, 1978 Nearshore Survey".
79-03	01/79	K. Hill	"Test Results for Terrafix Erosion Control Products Inc."
79-04	01/79	P. Engel	"Flow Conditions in the Beauharnois Canal from 18 December 1978 to 22 December 1978".
79-05	02/79	N.A. Rukavina G.G. LaHaie	"Lake Erie Nearshore Data, Rondeau to Long Point".
79-06	02/79	G.A. Duncan	"Particle Size Data Report 79-01".
79-07	02/79	G.A. Duncan	"Particle Size and Data Report 79-02".
79-08	02/79	N.A. Rukavina	"Nearshore Sediments Data, Fifty Mile Point, Lake Ontario".
79-09	02/79	G.A. Duncan	"Particle Size Data Report 79-03".
79-10	02/79	G.A. Duncan	"Particle Size Data Report 79-04".
79-11	02/79	G.A. Duncan D.A. St. Jacques	"Determination of Specific Gravity in Sediments".
79-12	04/79	Y.L. Lau	"Stability Tests of Terrafix Blocks in Channel Flows".
79-13	05/79	P. Engel	"Terminal Velocity for Multiband Transmittance Temperature Profiler".
79-14	05/79	G.A. Duncan	"Particle Size Data Report 79-05".
79-15	07/79	N.A. Rukavina	"Sedimentologic Data for Owen Sound Biological Sample Stations".
79-16	09/79	T.M. Dick	"Port Burwell Study". (Limited copies)

79-17	12/79	G.A. Duncan	"Particle Size and Geotechnical Data Report 79-06".
79-18	13/12/79 Rev.2/80	C.T. Bishop	"Floating Tire Breakwater Design for Proposed LaSalle Marina, Hamilton Harbour".
79-19	09/79	Y.L. Lau	"River Water Quality Modelling".
79-20	11/79	P. Engel	"Experimental Program to Test the Hydrographic Method".
79-21	12/79 Rev.2/80	C. T. Bishop	"Feasibility Study of Providing Wave Protection for a Boat Launching Ramp at Coronation Park, Oakville, Ontario".

1980

80-01	01/80	J. Marsalek	"Waterford River Basin Study: Background Report".
80-02	01/80	G. A Duncan	"Particle Size Data Report 80-01".
80-03	01/80	G. A. Duncan	"Particle Size Data Report 80-02".
80-04	02/80	G. A. Duncan	"Particle Size Data Report 80-03".
80-05	01/80	S. Beltaos	"Monitoring Techniques - River Ice Breakup".
80-06	02/80	J. Marsalek	"Proposal for the Investigation of Persistent Toxic Substances in Urban Runoff".
80-07	02/80	N. A. Rukavina G. G. LaHaie	"Unconsolidated Sediment Data for Nearshore Lake Ontario, Hamilton to Toronto".
80-08	10/79	R. G. Sandilands G. A. Duncan	"SIZDIST - A Computer Program for Size Analysis".
80-09	01/80	G. A. Duncan	"Particle Size Data Report 80-04".
80-10			CANCELLED
80-11	03/80 Rev.6/81	N. A. Rukavina G. G. LaHaie	"Summary Data for Lake Huron Nearshore Sediment Samples".



80-12	03/80	M. G. Skafel	Review of Report by W. F. Baird "Port Burwell: Estimation of the Distribution of Wave Energy Between Pointe-aux-Pins and Long Point". (Limited Distribution)
80-13	03/80	N. A. Rukavina	"Nearshore Sample Stations and Shore Reference Fixes for the Pickering Area, Lake Ontario".
80-14	04/80	P. Engel C. N. De Zeeuw	"Performance of the Price 622AA, OTT C-1 and Marsh-McBirney 201 Current Meters at Low Speeds".
80-15	04/80	E. J. Jones	"Word Processing for the Hydraulics Research Division".
80-16			CANCELLED
80-17	05/80	T. M. Dick	"Notes on Port Burwell and Shore Erosion Rates". (Limited Distribution) Draft.
80-18	04/80	T. M. Dick	"Erosion at the Tip of Long Point Near the Long Point Lighthouse, Lake Erie".
80-19	04/80	P. Engel M. Pedrosa	"Evaluation of an Experimental Meter to Measure Lateral Flow Velocities in Peat".
80-20	05/80	M. G. Skafel	"Review of the Canada/Ontario Great Lakes Shore Management Guide". (Limited Distribution)
80-21	04/80	M. A. Donelan	"Proposal for a New Look at Resistance Coefficients for Circular Cylinders with Special Application to Oscillatory Flow".
80-22	04/80	M. A. Donelan	"An Automatic Instrument for Long Term Littoral Zone Measurements". Abstract presented at Canadian Coastal Conference 1980, Proc. April 22-24, 1980, pp. 62-63.
80-23	06/80	S. Beltaos B. G. Krishnappan G. Tsang	"Technical Review of Proposal to Construct Six Artificial Islands in the Mackenzie River at Norman Wells, N.W.T.

80-24	07/80	C. T. Bishop T. Milne Dick	"Preliminary Sand Budget Calculations for the Reach from Port Burwell to Long Point Creek, Lake Erie". (Limited Distribution)
80-25	07/80	N. A. Rukavina	"Data on Lake Erie Nearshore Bottom Fauna, Mohawk Point to Port Burwell, Collected during 1971-1973 Nearshore Sediment Surveys".
80-26	07/80	N. A. Rukavina	"Lake Erie Nearshore Sediments Data, Route of Proposed Underwater Hydro Cable, vicinity of Nanticoke, Ontario".
80-27	08/80	N. A. Rukavina	"Lake Ontario Nearshore Sediment Data, Pickering Area".
80-28	08/80	S. Beltaos	"River Ice Problems and Monitoring Programs Related to Flood Forecasting".
80-29			CANCELLED
80-30	10/80	N. A. Rukavina	"Nearshore Morphology and Geology, Oshawa, Lake Ontario and Douglas Point, Lake Huron".
80-31	10/80	N. A. Rukavina	"Size Analysis Methods and Results for OME Humber Bay Sediment Samples".
80-32	11/80	G. G. LaHaie	"Particle Size Data Report 80-05".
80-33	11/80	G. G. LaHaie	"Particle Size Data Report 80-06".
80-34	11/80	S. Beltaos	"Methods to Predict Ice Jam Stages in Rivers".
80-35	10/80	J. P. Coakley	"CONTOP, A Computer Program to Plot Contours of Irregularly Spaced Three-Dimensional Data Arrays".
80-36	12/80	G. A. Duncan	"Particle Size Data Report No. 80-07".
80-37	12/80	M. G. Skafel	"Breaker Line Wave Parameters: Van Wagner's Beach".

1981

81-01	01/81	P. Engel J. Heidt	"Alignment Measurements of the Towing Tank Rails".
81-02	01/81	N. A. Rukavina	"Lake Erie Nearshore Sediment and Acoustic Data, Long Point Area".
81-03	01/81	G. A. Duncan	"Particle Size Data Report 81-01".
81-04	02/81	G. A. Duncan	"Particle Size Data Report 81-02".
81-05	03/81	G. A. Duncan	"Particle Size Data Report 81-03".
81-06	03/81	G. A. Duncan	"Particle Size Data Report 81-04".
81-07	03/81	N. A. Rukavina	"Jet, Core and Surface Sediment Data for Nearshore Lake Ontario, Niagara-on-the-Lake".
81-08	03/81	P. Engel	"Preliminary Examination of the Efficiency of the VUV Bed Load Sampler".
81-09	03/81	N. A. Rukavina	"Lake Ontario Nearshore Sediment Data, Niagara to Jordan".
81-10	03/81	G. A. Duncan	"Positioning Locations of Sediment Samples Collected in Hudson Bay".
81-11	04/81	G. A. Duncan	"Particle Size Data Report 81-05".
81-12	04/81	G. A. Duncan	"Particle Size Data Report 81-06".
81-13	04/81	N. A. Rukavina	"Nearshore Sediment and Acoustic Data for the Port Granby Area, Lake Ontario".
81-14	04/81	J. P. Coakley H. Savile	"A Simple Field Technique for Measuring Two-Layer Lagrangian Flow in the Nearshore Zone".
81-15	04/81	G. A. Duncan	"Particle Size Data Report 81-07".

81-16	04/81	G. A. Duncan	"Particle Size Data Report 81-08".
81-17	05/81	G. A. Duncan	"Particle Size Data Report 81-09".
81-18	05/81	P. Engel G. M. Wickware L. Falkiner	"Comparison of Two Probes for the Measurement of Flow Velocities in Peat".
81-19	07/81	G. A. Duncan	"Particle Size Data Report 81-10".
81-20	07/81	A. J. Zeman	"Calculation of Bearing Capacity for Proposed Installation of Vertical Automatic Profiler in Hamilton Harbour Basin".
81-21	07/81	C. Bishop M. A. Donelan	"Verification of 1972 Lake Ontario Waverider Data".
81-22	07/81	N. A. Rukavina	"Lake Erie Nearshore Sediment and Acoustic Data, Point Abino Area".
81-23	08/81	G. A. Duncan	"Particle Size Data Report 81-11".
81-24	08/81	N. A. Rukavina	"Lake Erie Nearshore Sediment and Acoustic Data, Port Colborne to Fort Erie".
81-25	09/81	P. Engel C. De Zeeuw	"Sensitivity of the Price Current Meter to the Effects of Frazil Ice".
81-26	10/81	G. A. Duncan	"Particle Size Data Report 81-12".
81-27	10/81	G. A. Duncan	"Particle Size Data Report 81-13".
81-28	08/81	J. Bull T. M. Dick	"August and September Wind and Wave Data, Western Lake Ontario".
81-29	12/81	N. A. Rukavina	"Survey of Artificial Shoals, Bluffer's Park, Lake Ontario".
 <u>1982</u>			
82-01	01/82	G. A. Duncan	"Particle Size Data Report 82-01".

82-02	01/82	G. A. Duncan	"Particle Size Data Report 82-02".
82-03	02/82	C. T. Bishop	"Sand Budget for Lake Erie Shore from Port Glasgow to Long Point".
82-04	03/82	G. A. Duncan	"Particle Size Data Report 82-03".
82-05	03/82	G. A. Duncan	"Particle Size Data Report 82-04".
82-06	03/82	G. A. Duncan	"Particle Size Data Report 82-05".
82-07	03/82	A. J. Zeman	"Results of geotechnical, Sedimentological and Geochemical Tests & Interpretation - Core 283, Niagara Bar, Lake Ontario Western Basin.
82-08	03/82	J. Marsalek	"Environmental Impact of the Proposed Extension of the Quebec City Port. Preliminary Estimate of Pollutant Loads from Urban Runoff".
82-08F	03/82	J. Marsalek	"Répercussions sur l'environnement de l'agrandissement proposé du port de la ville de Québec. Evaluation préliminaire des charges de polluants dans le ruissellement urbain".
82-09	03/82	J. P. Coakley A. J. Zeman	"Coastal Features of Lake Erie Shore".
82-10	05/82	G. A. Duncan	"Particle Size Data Report 82-06".
82-11			CANCELLED
82-12	06/82	S. Beltaos R. Lane	"Ice Breakup Characteristics of the Nashwaak R. at Durham Bridge, N.B."
82-13	06/82	G. A. Duncan	"Particle Size Data Report - Churchill Harbour".
82-14	06/82	G. A. Duncan	"Particle Size Data Report - Turkey Lakes".

82-15	06/82	G. A. Duncan	"Particle Size Data Report - Hudson Bay Lowlands."
82-16	07/82	N. A. Rukavina	"Lake Huron Nearshore Sediment Data, Sarnia to Harris Point".
82-17	08/82	J. Marsalek	"Summary Report on Kenned-Burnett Modelling Study".
82-18	08/82	G. A. Duncan	"Particle Size Data Report - Long Point".
82-19			CANCELLED
82-20	09/82	G. A. Duncan	"Particle Size Data Report - Lake Erie Core".
82-21	10/82	G. A. Duncan	"Particle Size Data Report - Niagara River".
82-22	10/82	G. A. Duncan	"Manual on Procedures for Stratigraphic Analysis of Unconsolidated Sediment Core".
82-23	10/82	N. A. Rukavina	"Lake Ontario Nearshore Sediment Data, Long Branch to Whitby".
82-24	12/82	G. A. Duncan	"Manual on Procedures for Stratigraphic Analysis of Unconsolidated Sediment Cores".
82-25	11/82	N. A. Rukavina	"Lake Ontario Nearshore Sediment Data, Oakville to Long Branch".
82-26			CANCELLED
82-27	12/82	J. Marsalek	"Environmental Impact of the Proposed Extension of the Quebec City Port. Simulation of Pollutant Loads in Urban Runoff".
82-27F	12/82	J. Marsalek	"Répercussions sur l'environnement de l'agrandissement proposé du port de la ville de Québec. Simulation des charges polluantes dans le ruissellement urbain".
82-28	02/78	W. J. Moody	"Errors in Velocity Measurements made with a 622AA Price Current Meter from a Boat".
82-29	12/82	G. A. Duncan	"Particle Size Data Report - Buffalo - Niagara River".

82-30 12/82 G. A. Duncan "Particle Size Data Report - Rouyn Noranda Lakes".  
82-31 12/82 G. A. Duncan "Particle Size Data Report - Bed Load Samples".

1983

83-01 01/83 N. A. Rukavina "Nearshore Acoustic and Subsurface Geologic Data, Pointe-aux-Pins, Lake Erie".  
83-02 01/83 G. A. Duncan "Particle Size Data and Specific Gravity in Suspended Sediments".  
83-03 01/83 G. A. Duncan "Particle Size Data Report - E30 Core, Sediment Bank".  
83-04 02/83 G. A. Duncan "Particle Size Data Report - Lake Erie".  
83-05 02/83 G. A. Duncan "Particle Size Data Report - Sediment Bank".  
83-06 02/83 G. A. Duncan "Particle Size Data and X-Ray Diffraction Report, Yukon Lakes".  
83-07 02/83 J. Marsalek "Road and Bridge Deck Drainage Systems - A Study Proposal".  
83-08 02/83 G. A. Duncan "Particle Size and Geotechnical Data Report".  
83-09 03/83 J. Marsalek "Environmental Monitoring System for the Tapscott Stormwater Pond".  
83-10 03/83 G. A. Duncan "Particle Size Data Report, Southern Indian Lake, Manitoba".  
"Environmental Monitoring System for the Tapscott Stormwater Pond".  
83-11 03/83 G. A. Duncan "Manual on Procedure for Consolidation Test (One-Dimensional)".  
83-12 03/83 G. A. Duncan "Particle Size Data Report - Ottawa River".  
83-13 03/83 G. A. Duncan "Particle Size Data Report - Churchill Harbour".

83-14	03/83	G. A. Duncan	"Particle Size Data Report - Tobin Lake".
83-15	05/83	J. Bull T. M. Dick	"Winds and Lake Currents Near Toronto for May and June".
83-16	05/83	G. A. Duncan	"Particle Size Data Report".
83-17	05/83	M. G. Skafel	"Shore Recession at Long Point Lighthouse.
83-18	07/83	A. J. Zeman	"Geotechnical Testing of Lake Erie Nearshore Till Samples, Part 1 - Basic Geotechnical Tests and Sample Identification".
83-19	07/83	H.Y.F. Ng J. Marsalek	"Annual Loadings of Trace Metals in Urban Runoff in the Great Lakes Basin".
83-20	08/83	J. P. Coakley	"Borehole Stratigraphy of Long Point Sediment".
83-21	08/83	J. P. Coakley	"Borehole Stratigraphy of Sediment from Pelee Shoal Area".
83-22	08/83	G. Tsang	"Freezing Temperature of Water Samples from Lachine Rapids and Rivière des Prairies, and Calibration of Hydro-Quebec Thermometers".
83-23	08/83	G. A. Duncan	"Particle Size Data Report - Pasqua Lake".
83-24	09/83	G. A. Duncan	"Particle Size Data Report - Glenora-C Core".
83-25	11/83	G. A. Duncan	"Particle Size Data Report, Urban Runoff".
83-26	11/83	J. Heidt	"North York Water Meter Calibration".

1984

84-01	01/84	G. A. Duncan	"Particle Size Data Report - Churchill Harbour".
84-02	01/84	R. Desrosiers	"Electro-Optical Performance Review of a Flume Profiler Fiber Optic-Probe".



84-03	01/84	G. A. Duncan	"Particle Size Data Report - Lake Superior Sediment Bank".
84-04	01/84	J. Heidt	"Calibration of Thermaine Recorders".
84-05	02/84	T. M. Dick	"Comments on Science and Policy".
84-06	01/84		CANCELLED
84-07	03/84	G. A. Duncan	"Particle Size Data Report".
84-08	03/84	M. G. Skafel	"Entrance Configuration, Grand Bend, Ontario".
84-09	03/84	J. S. Ford	"Engineering Proposal for Sonde to Measure Ice Jam Thickness".
84-10	03/84	J. Marsalek C. T. Bishop	"Hydraulic Tests of the Cannon Ductile Iron Grate".
84-11	04/84	J. S. Ford	"Maximum Speed for Profiling".
84-12	04/84	R. Desrosiers	"In Water Test Method for Transmittance Sensors at NWRI".
84-13	04/84	C. T. Bishop	"Floating Tire Feasibility at Confederation Basin, Kingston, Ontario".
84-14		J. P. Coakley	"Comments on Survey Procedures for Monitoring of Bottom Sediment Changes in the Vicinity of the Darlington Nuclear Generating Station, Lake Ontario".
84-15	05/84	R. J. Desrosiers	"Brief Investigation of Sensors Used to Measure Suspended Sediment".
84-16	05/84	C. T. Bishop	"Wave Hindcast for the Sinking of the Stanley Clipper Long Point Bay, Lake Erie".
84-17	05/84	A. J. Zeman	"Review of Port Granby Report".
84-18	06/84	B. G. Krishnappan	"Stability of Drainage Ditch at Madawaska Mines Tailings Pond".
84-19	06/84	C. T. Bishop	"Lake Ontario Wave Hindcasts for EPIRB Experiments".

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