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Experimental Lakes Area 50th Anniversary Virtual Issue

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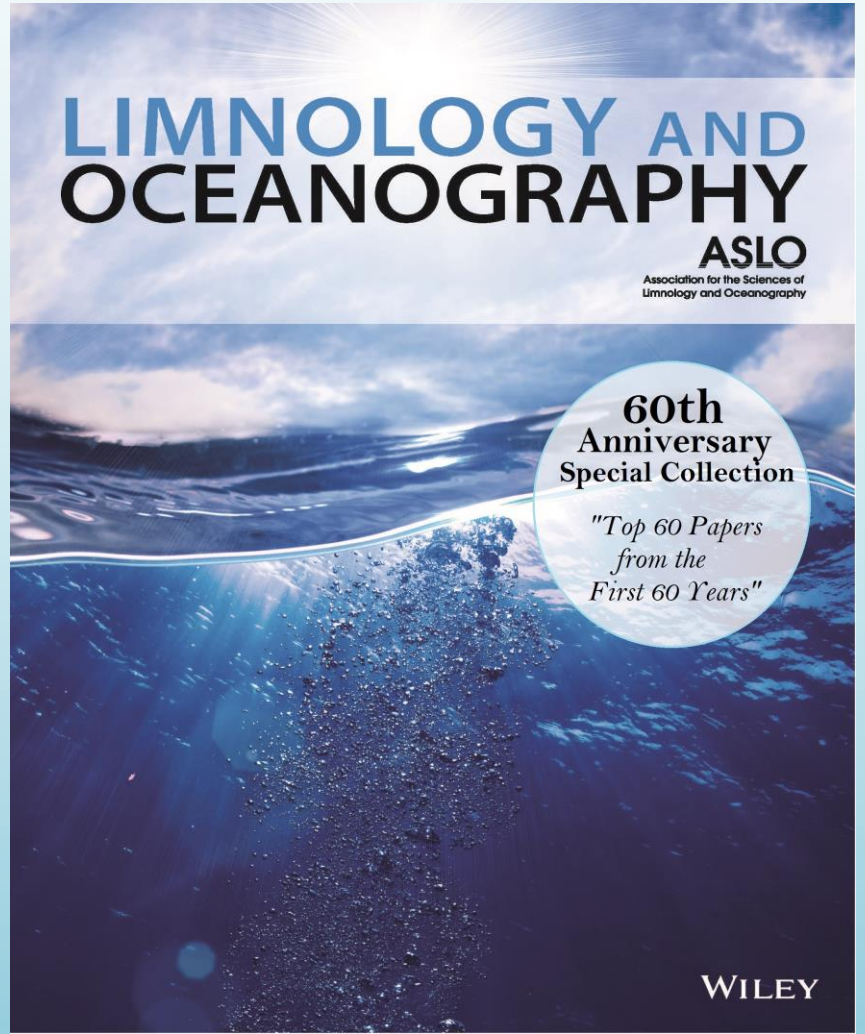

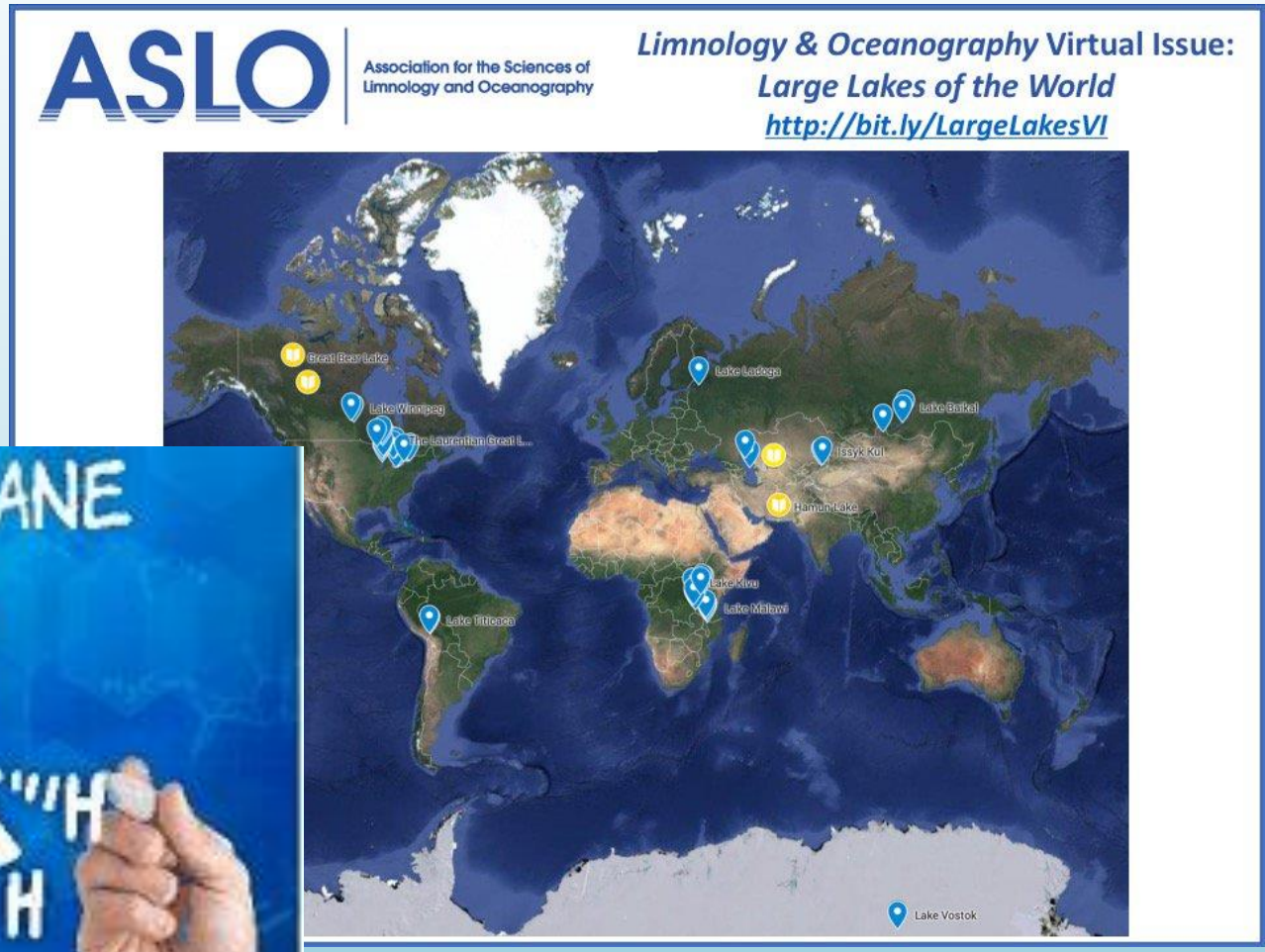

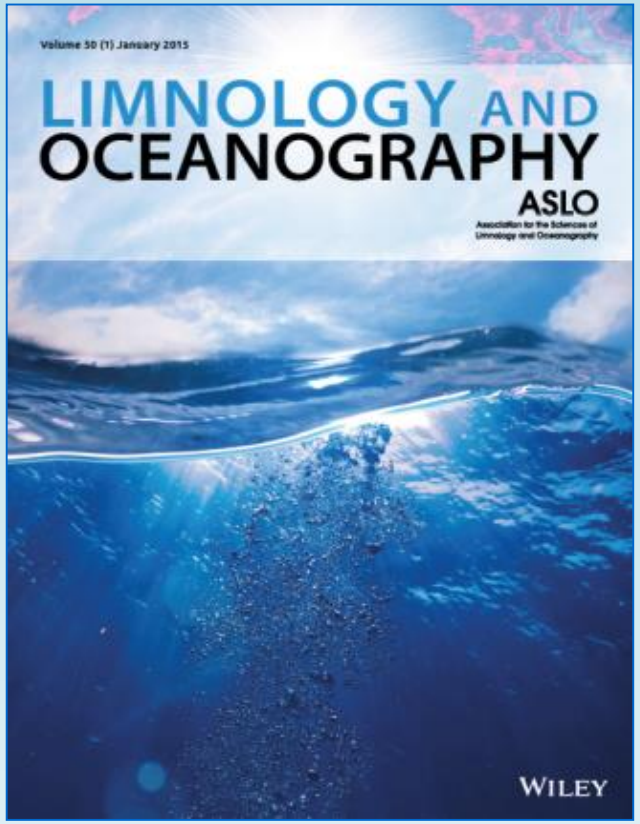

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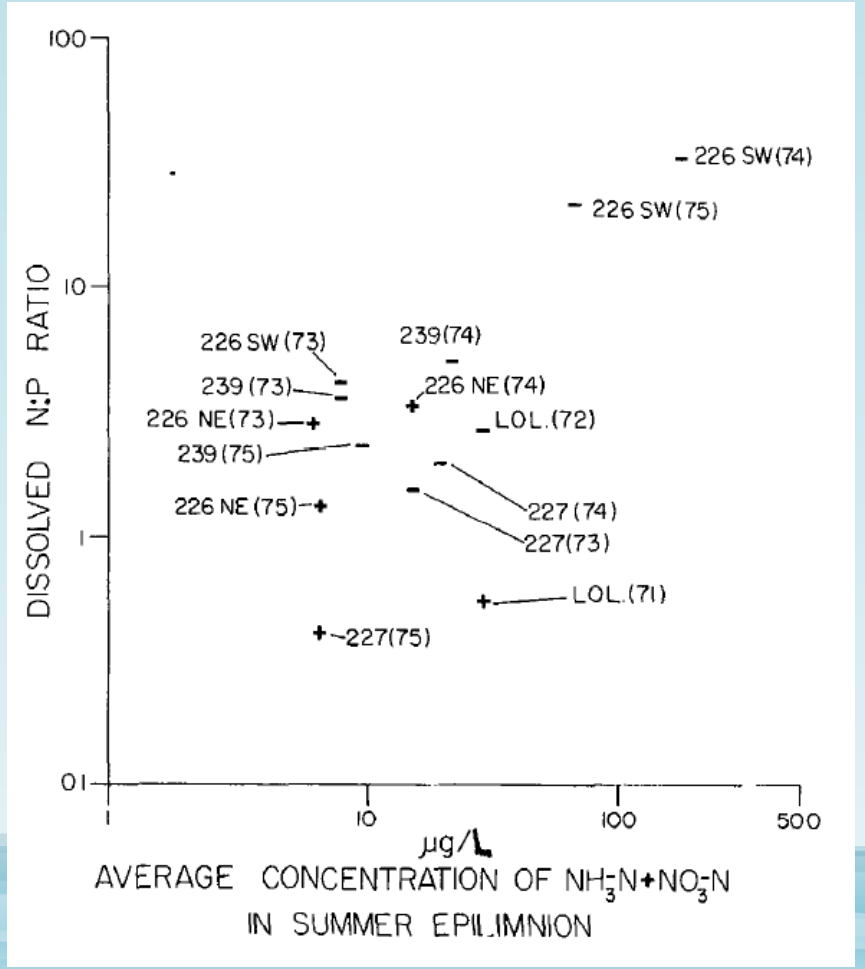
Citation winner = 949 citations, 30 citations/yr

Limnol. Oceanogr., 33(4, part 2), 1988, 796–822

Nutrient limitation of phytoplankton in freshwater and marine environments: A review of recent evidence on the effects of enrichment[1]

R. E. Hecky
Department of Fisheries and Oceans, Freshwater Institute, 501 University Crescent, Winnipeg, Manitoba R3T 2N6

P. Kilham
Department of Biology and Division of Great Lakes Research, University of Michigan, Ann Arbor 48109



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Citation winner runner up total citations = 561 citations

An in situ sampler for close interval pore water studies[1]

Raymond H. Hesslein

Lamont-Doherty Geological Observatory
of Columbia University,
Palisades, New York 10964

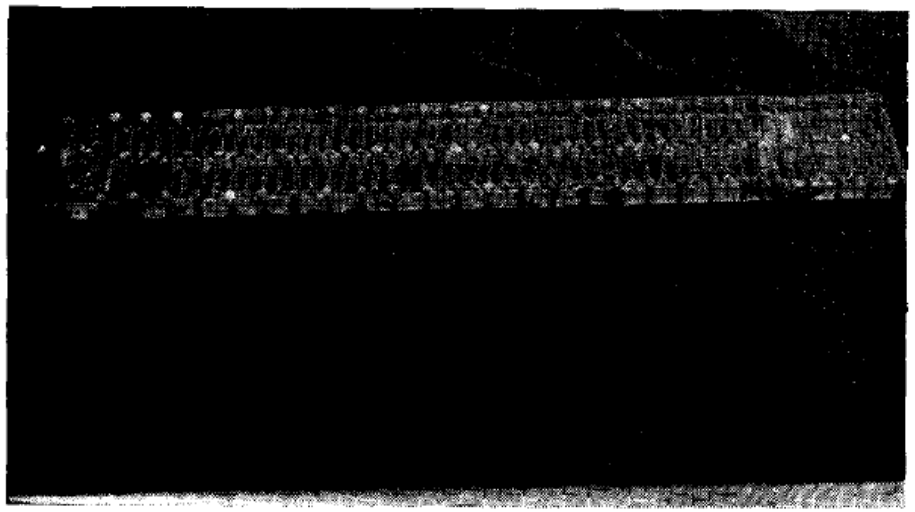

Fig. 1. The sampler.

I credit J. Rudd for seeding this idea in my mind; R. Lupton, T. Protus, and B. Deck gave technical and analytical assistance. M. Zickl typed the manuscript and P. Catanzaro drafted the figures. W. S. Broecker criticized the manuscript.

The principle of operation of the sampler is the equilibration of a contained quantity of water with the surrounding water through a dialysis membrane. The con-

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Citation winner runner up citations/year = 29 citations/yr

Limnol. Oceanogr., 51(1, part 2), 2006, 356–363

Recent advances in the understanding and management of eutrophication

D. W. Schindler[1]
Department of Biological Sciences, University of Alberta, Edmonton, Alberta T6G 2E9, Canada

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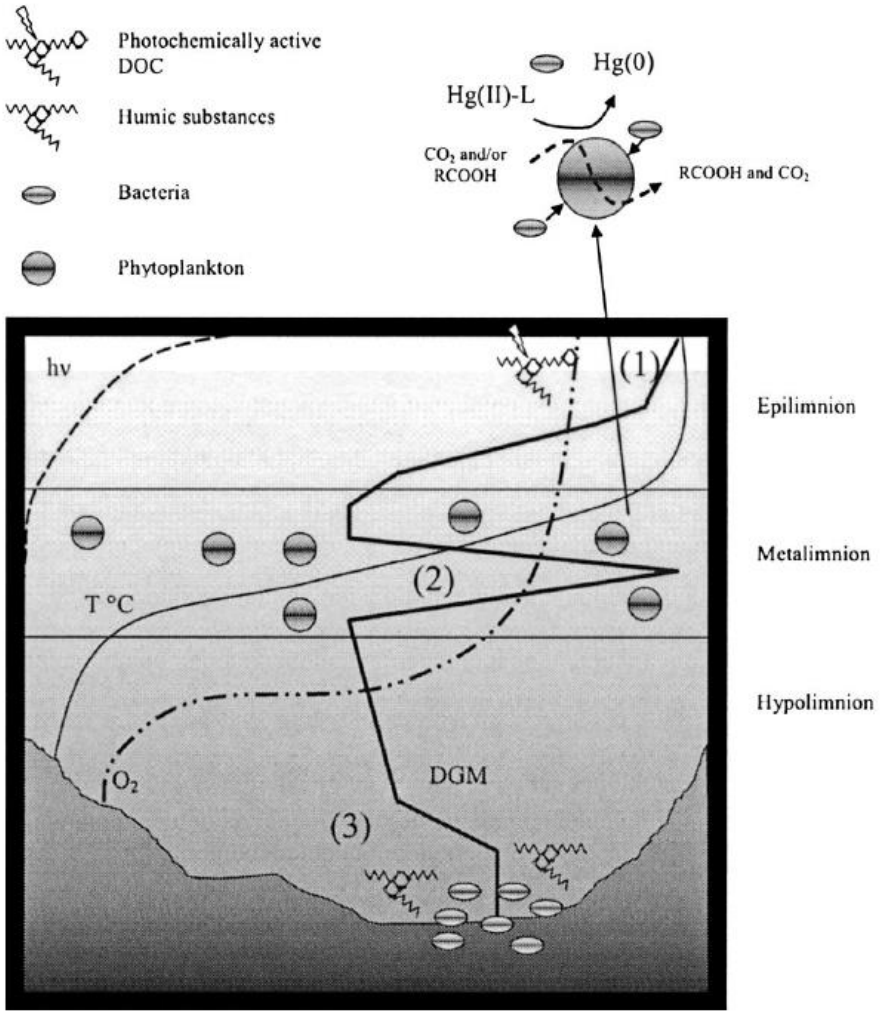

Fig. 6. Scheme summarizing DGM distribution in the water column of Lake 658.

Limnol. Oceanogr., 49(6), 2004, 2265–2275

Biological and photochemical production of dissolved gaseous mercury in a boreal lake

A. J. Poulain and M. Amyot[1]
Département des sciences biologiques, Université de Montréal, C.P. 6128, Succursale Centre-Ville, Pavillon Marie-Victorin, Montreal, Quebec, Canada, H3C 3J7

D. Findlay
Department of Fisheries and Oceans, Freshwater Institute, 501 University Crescent, Winnipeg, MB, R3T 2N6, Canada

S. Telor and T. Barkay
Rutgers University, Department of Biochemistry and Microbiology, 76 Lipman Drive, Room 333C, New Brunswick, New Jersey 08901-8525

H. Hintelmann
Department of Chemistry, Trent University, 1600 West Bank Drive, Peterborough, Ontario K9J 7B8, Canada

Alexandre Poulain
@RedoxRoxDetox
Marc Amyot
@PhDHg

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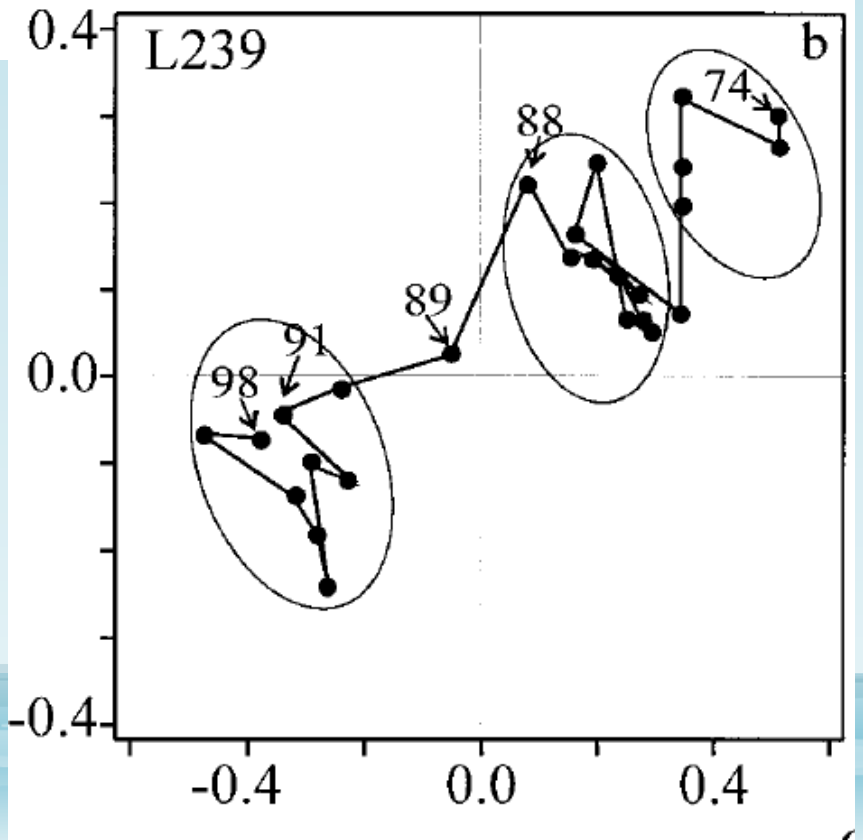
Limnol. Oceanogr., 46(7), 2001, 1784–1793

Climatic influences on algal populations of boreal forest lakes in the Experimental Lakes Area

D. L. Findlay, S. E. M. Kasian, M. P. Stainton, K. Beaty, and M. Lyng

Department of Fisheries and Oceans
Central and Arctic Region
Freshwater Institute
501 University Crescent
Winnipeg, Manitoba R3T 2N6 Canada



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Limnol. Oceanogr., 41(5), 1996, 912–920

Effects of lake size, water clarity, and climatic variability on mixing depths in Canadian Shield lakes

E. J. Fee, R. E. Hecky, S. E. M. Kasian, and D. R. Cruikshank
Department of Fisheries and Oceans, Central and Arctic Region, Freshwater Institute, 501 University Crescent, Winnipeg, Manitoba R3T 2N6

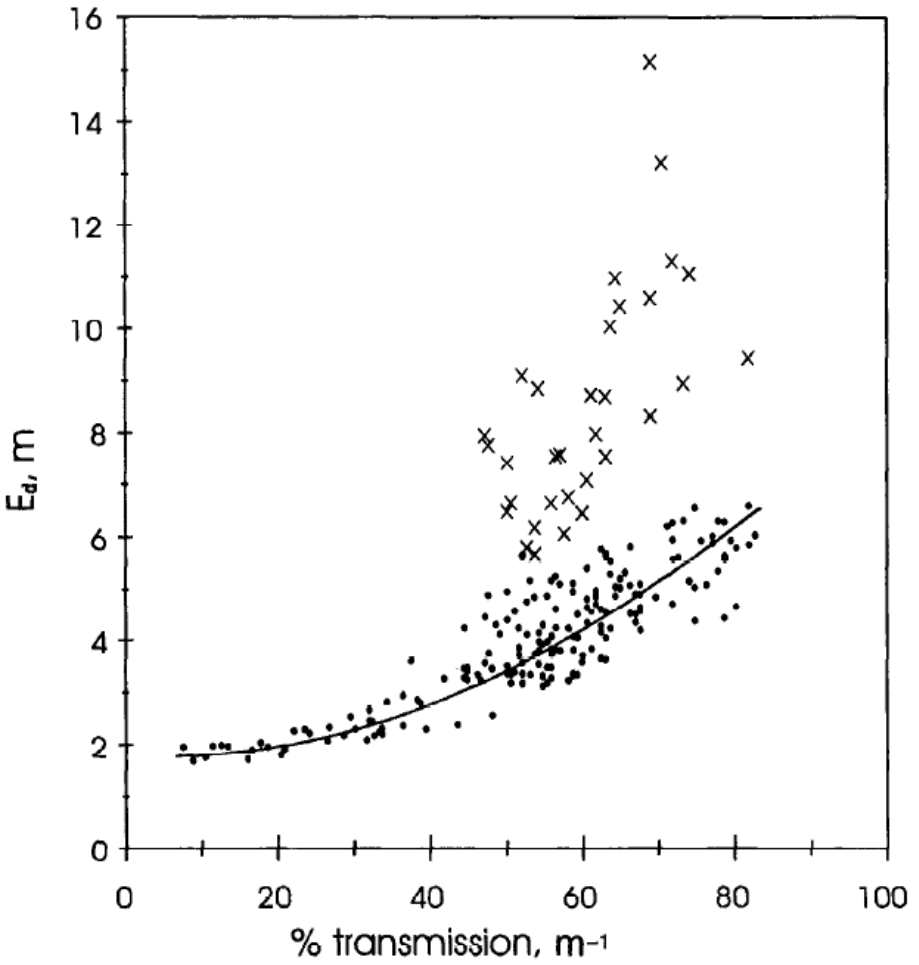

Fig. 2. Mixing depths as a function of percent transmission. Lakes <500 ha—●; larger lakes—×. The curved line is drawn from visual inspection.

Everett Fee
@evfee

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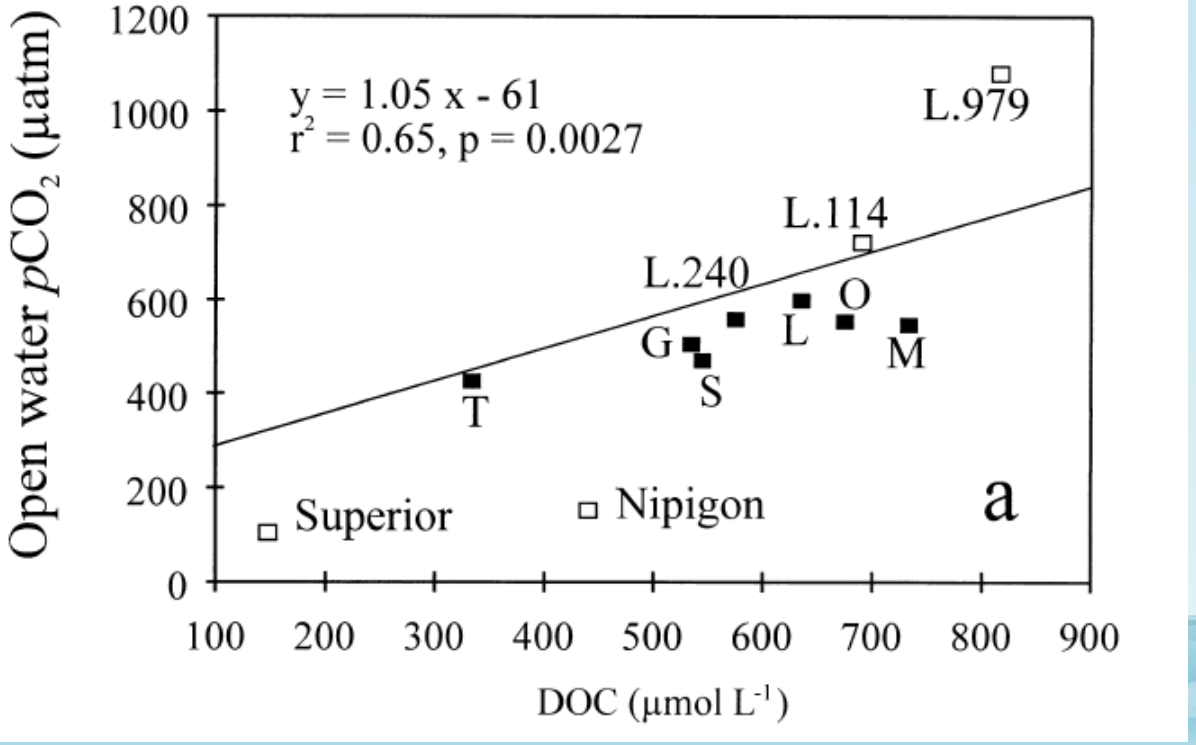
Limnol. Oceanogr., 46(5), 2001, 1054–1064

Natural variability of carbon dioxide and net epilimnetic production in the surface waters of boreal lakes of different sizes

Carol A. Kelly[1]
University of Manitoba, Department of Microbiology, Winnipeg, Manitoba R3T 2N2, Cana

Everett Fee,[2] *Patricia S. Ramlal,*[3] *John W. M. Rudd, Raymond H. Hesslein, Eva U. Schindler*
Freshwater Institute, Department of Fisheries and Oceans, 501 University Crescent, Winnipeg



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Limnol. Oceanogr., 31(1), 1986, 134–148

Mechanisms of hydrogen ion neutralization in an experimentally acidified lake

R. B. Cook
Environmental Sciences Division, Oak Ridge National Lab

C. A. Kelly
Department of Biology, University of Winnipeg, Winnipeg,

D.W. Schindler and M. A. Turner
Department of Fisheries and Oceans, Freshwater Institute,

Table 1. Alkalinity input-output budget for Lake 223. Units are keq. Values in parentheses are ranges based on alkalinity calculated from Eq. 4 and 3a, with lower numbers calculated from DIC, pH, and temperature and higher ones from charge balance. Values not in parentheses are Gran titration results, except for acid added.

	(1) Alk inputs*	(2) Acid added	(3) Alk outflow	(4) Change in Alk storage	(5) Alk prod. = 4 + 3 − 1 − 2
1976	(0.4–1.3)	−203.4	(14.5–26.1)	(−90.7 to −116.5)	(111.7–126.8)
1977	(0.2–0.4)	−106.8	(2.9–9.3)	(−6.5 to −82.6)	(26.7–109.5)
1978	15.6	−125.8	10.1	(−20.1 to −68.3)	(52.0–100.2)
1979	6.5	−103.4	3.1	−38.4	61.6
1980	0	−113.8	0.4	−8.4	105.8
1981	−2.6	−130.1	−0.9	−10.0	121.8
1982	8.9	−126.8	−3.5	−5.0	109.4
1983	3.6	−81.8	−0.4	−11.0	66.8
1976–1983	32.6–33.7	−991.9	26.2–44.2	−190.0 to −340.2	655.8–801.9

* The sum of inputs from precipitation, runoff, and stream inputs.

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Limnol. Oceanogr., 25(2), 1980, 201–218

Vertical diffusion rates determined by tritium tracer experiments in the thermocline and hypolimnion of two lakes[1,2]

P. D. Quay
Department of Geological Sciences, University of Washington, Seattle, 98195

W. S. Broecker
Lamont-Doherty Geological Observatory of Columbia University, Palisades, New York 10964

R. H. Hesslein and D. W. Schindler
Freshwater Institute, 501 University Crescent, Winnipeg, Manitoba R3T 2N6

Radium spike. Lt to rt: Steve Emerson, David Schindler, Cecil Plunkett (Atomic Energy Canada, Whiteshell), Wally Broecker, Gregg Brunskill.

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Limnol. Oceanogr. 00, 2018, 00–00

doi: 10.1002/lno.10822

The impact of a loss of hydrologic connectivity on boreal lake thermal and evaporative regimes

Christopher Spence [1]* Ken Beaty,[2] Paul J. Blanchfield,[2] Lee Hrenchuk,[3] Murray D. MacKay [4]

[1]Environment and Climate Change Canada, Saskatoon, Canada

[2]Fisheries and

[3]IISD – Experi

[4]Environment

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Limnology and Oceanography Letters 3, 2018, 311–319

doi: 10.1002/lol2.10071

LETTER

Addition of silver nanoparticles has no long-term effects on natural phytoplankton community dynamics in a boreal lake

Andrea L. Conine [1] Daniel C. Rearick,[1] Michael J. Paterson,[2] Marguerite A. Xenopoulos [3] Paul C. Frost[3]*

[1]Environmental and Life Sciences Graduate Program, Trent University, Peterborough, Ontario, Canada; [2]IISD-Experimental Lakes Area, Winnipeg, Manitoba, Canada; [3]Department of Biology, Trent University, Peterborough, Ontario, Canada

Thank you

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