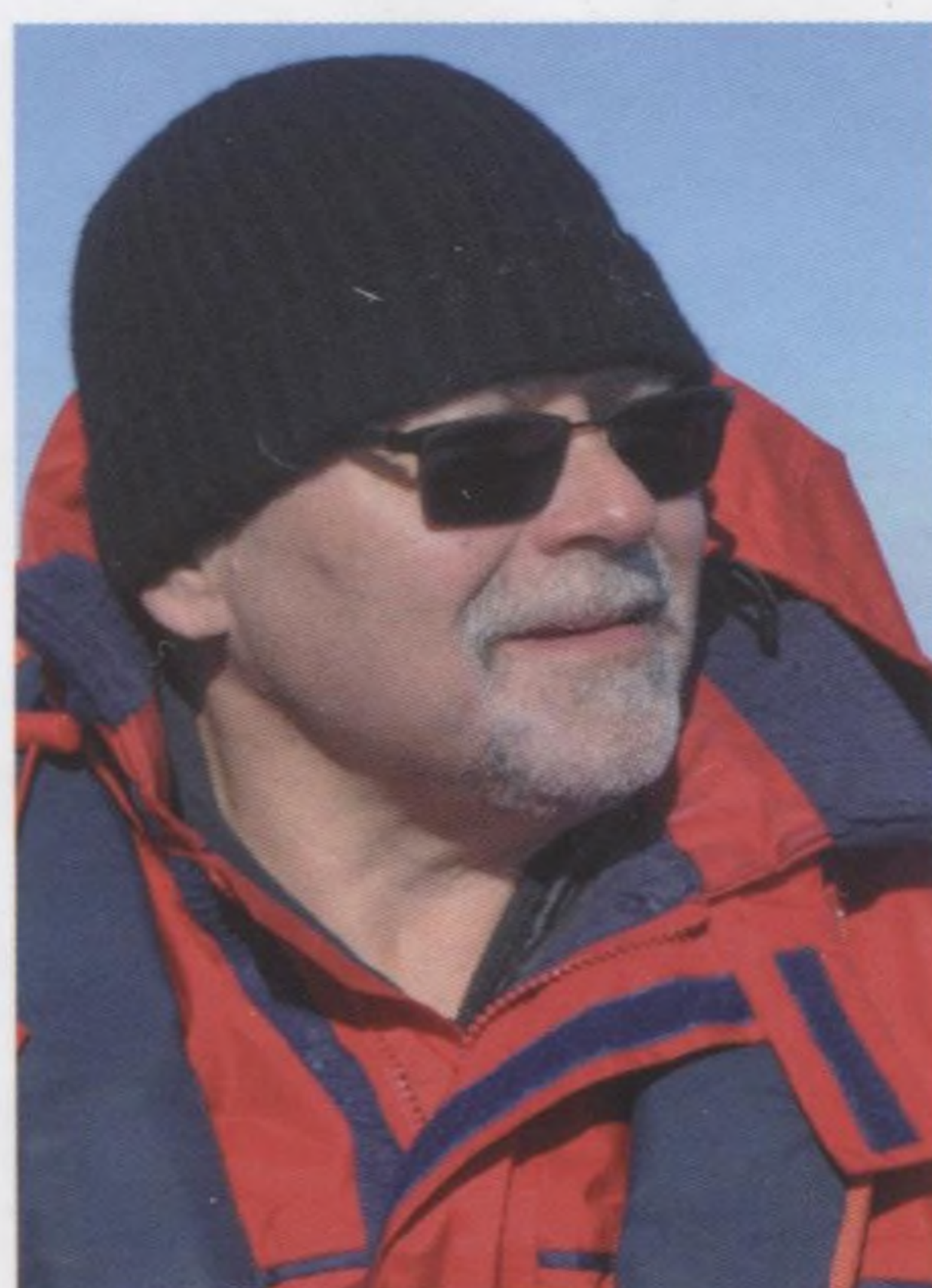


## Lakes in the Anthropocene

In a book that is part memoir and part textbook, John Smol reflects on his 35+ years of aquatic research in the Arctic. Working primarily on the limnology and environmental histories of lakes and ponds, he emphasizes the need for using appropriate spatial and temporal scales to understand the effects of natural and anthropogenic stressors. An overriding theme is the critical role that accelerated climate change plays as a 'threat multiplier'. The book pays homage to some of the pioneers of Arctic limnology using archival photographs, before summarizing a diverse array of paleoenvironmental studies that he and his colleagues have led. Highlighted research includes collaborations with Indigenous knowledge holders and archeologists, tracking past ocean flooding events, the repercussions of permafrost thaw, the effects of pollutants from both local and distant sources, as well as tracking long-term changes in salmon and bird populations. Smol emphasizes the importance of using diverse sources of information, the role that personal relationships can play in successful collaborative programs, and issues linked to environmental justice for Northern peoples.



### John P. Smol

A *Distinguished University Professor* of biology and environmental studies at Queen's University (Kingston, Ontario) and holder of the *Canada Research Chair in Environmental Change* (2001–2021), John P. Smol founded and co-directs the Paleoeological Environmental Assessment and Research Lab (PEARL), a group of ~40 students and other scientists dedicated to the study of long-term global environmental change, and especially as it relates to lake ecosystems. He was the founding Editor of the *Journal of Paleolimnology* (1987–2007) and is current Editor of *Environmental Reviews* (2004–present). Author of over 670 peer-reviewed publications and 23 books, he is re-

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<i>Introduction (Stephen J. Hawkins)</i>	IX
Dedication	1
Preface and Acknowledgements.	3
<b>1 Warnings from lake mud: Arctic lakes and ponds in the Anthropocene</b>	7
Lessons from the past: the ‘Anthropocene’	8
Arctic lakes in the Anthropocene — a personal reflection.	9
Why the Arctic?	10
Why Arctic lakes?.	13
A matter of time scales: natural versus anthropogenic changes	19
Lessons from the past in a multiple-stressor world.	22
<b>2 The pioneers: early studies on High Arctic limnology</b>	25
The 1913–1918 Canadian Arctic Expedition of the Western Arctic and the 1938–1939 Canadian Arctic Expedition of the Eastern Arctic	32
Arctic limnology during the start of the ‘Cold War’: 1945–1960s	37
The Char Lake Project (1968–1972) of the International Biological Program (IBP)	41
Conclusions	49
<b>3 A primer on paleolimnology</b>	51
Step 1: Choosing the study lake(s).	52
Step 2: Retrieving and sectioning the sedimentary sequence	55
Step 3: Providing geochronological control	58
Step 4: Retrieving paleoenvironmental information	60
Step 5: Interpreting the library of information contained in sediments	67
Overall approach	70



<b>4 The power of ice: Arctic lakes on the frontline of climate change</b>	71
Transitions and thresholds linked to climate change . . . . .	73
Deciphering climate signals in Arctic lake sediments: a personal journey . . .	74
The limnological surveys begin . . . . .	82
The 1994 <i>Science</i> paper: dramatic diatom changes in shallow ponds linked to warming. . . . .	89
Expanding the data sets: ponds to lakes and High Arctic to Low Arctic comparisons . . . . .	94
Large-scale paleolimnological assessments of change: the 2005 circumpolar assessment and beyond . . . . .	99
Delayed warming and the loss of a key Arctic refugium . . . . .	103
Comparing responses to climate warming in aquatic systems governed by local microclimate difference: coaxing history to conduct experiments . . . . .	105
Paleolimnological trajectories in the few remaining lakes still supporting extensive summer ice covers . . . . .	110
What about the Arctic ‘Great Lakes’ — should they not also be slow to change with warming due to their large thermal inertias? . . . . .	114
Using history to further assess drivers of ecosystem change: the importance of timing . . . . .	119
How different is the ‘Anthropocene’ compared to previous interglacials in the Canadian Arctic? . . . . .	120
Climate change: the big ‘threat multiplier’ . . . . .	123
 <b>5 The ‘early peoples’: pre-Anthropocene impacts</b>	125
A (very) brief overview of polar archeology. . . . .	126
Limnological legacies of Thule whalers. . . . .	131
Tracking the effects of the Arctic’s first whalers . . . . .	132
Can we confirm the limnological changes were due to activities of the Thule whalers and not some natural change in lake ontogeny? . . . . .	139
Did the earlier Dorset people also affect aquatic ecosystems? . . . . .	144
Unexplored opportunities and synergies between disciplines . . . . .	149



<b>6 Marine storm surges on inland waters: ‘different ways of knowing’</b>	151
Battles with the Anthropocene seas . . . . .	151
The 1999 marine storm surge and the ‘Dead Zone’ . . . . .	152
Traditional Indigenous Knowledge: when an elder dies, a library burns down .	153
How often have there been massive vegetation die-offs? . . . . .	156
Paleotempestology — reconstructing past marine intrusions . . . . .	158
Can these ecologically striking diatom assemblage changes be shown on a landscape scale? . . . . .	164
Do marine storm surges affect aquatic invertebrates as well? . . . . .	165
Can further evidence of the frequency and severity of past storm surges be gained from non-biological proxies? . . . . .	167
How unusual are unusual events? Marine storm surge events in the Anthropocene. . . . .	169
<b>7 Permafrost thaw: sinks, slumps, and sumps</b> . . . . .	171
When the permafrost moves, everything moves! . . . . .	174
Thawing permafrost and shifting lake ecology . . . . .	181
Paleolimnological assessments in a rapidly thawing permafrost landscape .	182
Vulnerable wildlife in a rapidly changing landscape . . . . .	187
How permanent is permafrost? Or ‘It sounded like a good idea at the time!’ .	191
Learning from the past in a thawing landscape . . . . .	195
<b>8 Northern communities: the challenges of living in a cold climate.</b> .	197
From dog sleds to ice roads to highways — connecting communities in the Arctic . . . . .	200
Waste disposal: big enough to cause problems, but not big enough to warrant expensive infrastructure . . . . .	205
Eutrophication in the High Arctic — the Meretta Lake study during the Interna- tional Biological Program . . . . .	208
Recovery from cultural eutrophication in a High Arctic ecosystem:	
Meretta Lake re-visited . . . . .	212
Tracking long-term changes linked to sewage inputs and subsequent recovery in Meretta Lake. . . . .	216
Climate change, ice cover, and cultural eutrophication in the Arctic . . . . .	219



Using shallow sewage ponds to test hypotheses regarding the relative effects of nutrient and oxygen concentrations on paleolimnological proxies . . .	222
‘Coaxing history to conduct experiments’: retrospective environmental assessments on the effects of growing population centres . . . . .	224

## 9 ‘Sledgehammers’: impacts of northern mining on aquatic ecosystems . . . . .

All that glitters is not gold — Frobisher’s fiasco (1576–1578) . . . . .	226
Gold fever and the Klondike Gold Rush (1896–1899) . . . . .	227
The Giant Mine leaves a giant problem. . . . .	232
Effects of toxic emissions of Yellowknife mines on local lakes . . . . .	236
Retrospective environmental assessments of the Giant Mine pollutants. . . . .	238
The pollutant that keeps on giving. . . . .	245
Pro-active paleolimnology: the ‘Ring of Fire’ . . . . .	245
Different Arctic mines, different problems, but similar scenarios . . . . .	247
Winners and losers in Arctic mining: history lessons. . . . .	248

## 10 What happens in the South does not necessarily stay in the South:

long-range transport of pollutants to the Arctic . . . . .	251
Pollution legacies of the ‘Cold War’ . . . . .	252
Mother’s milk and the ‘grasshopper effect’ . . . . .	255
Emerging POPs entering the Arctic food chain . . . . .	259
Bioaccumulation and biomagnification of POPs in Arctic fish. . . . .	260
Mercury: a metal on the move . . . . .	261
Tracking long-term changes in mercury pollution using lake sediments across the circumpolar Arctic. . . . .	262
Mercury bioaccumulating in the Arctic food web . . . . .	264
Particulates from industrial sources: fly ash particles and black carbon . . . . .	264
Even the stratosphere is not immune: ozone depletion and elevated UVB radiation . . . . .	267
Everything is connected, but with uneven environmental and social consequences . . . . .	276



<b>11 Salmon and sediments: biovectors moving nutrients and contaminants from oceans to lakes . . . . .</b>	<b>279</b>
Going against the flow: biovectors as funnels of nutrients and contaminants . . . . .	279
Long-term changes in Alaskan sockeye salmon populations . . . . .	281
Cradle to grave life cycle . . . . .	282
The 4 H's and the big 'threat multiplier' — climate change. . . . .	285
Tracking three centuries of sockeye salmon populations using proxies of marine-derived nutrients in Alaskan nursery lakes . . . . .	286
If sockeye salmon populations changed due to commercial fishing and climate changes over the last three centuries, then how did they change on millennial time scales?. . . . .	295
Lessons learned from shifting baselines of Alaskan sockeye salmon . . . . .	298
If sockeye salmon are delivering marine-derived nutrients to nursery lakes, are they also transporting contaminants?. . . . .	300
When the salmon stop returning, 'there goes the neighborhood'. . . . .	302
What is natural? Shifting baselines and moving targets . . . . .	304

<b>12 Is paleolimnology for the birds? Arctic seabirds as biovectors of nutrients and contaminants . . . . .</b>	<b>307</b>
Ornithology meets paleolimnology . . . . .	308
Using pond sediments as a rapid assessment technique at Cape Vera . . . . .	311
Assessing water chemistry and bioindicator changes along the ornithogenic gradient at Cape Vera . . . . .	316
Tracking the limnological effects of avian biovectors over time . . . . .	319
Transfer of marine-derived contaminants to coastal food webs . . . . .	325
You are what you eat! Comparing biovector transport between Arctic terns and eider ducks . . . . .	327
How widespread are limnological signals linked to seabird colonies?. . . . .	330
Guns, motorboats, and ducks: multi-century assessments of hunting practices on Arctic waterfowl. . . . .	332
Tracking long-term dynamics of seabird and waterbird populations on a global scale . . . . .	336
Funnels and pumps: tracking seabird populations and their effects on ecosystems through space and time . . . . .	341



## **13 Crossing ecological thresholds and disappearing ecosystems:**

<b>‘the fierce urgency of now’</b> . . . . .	343
Ecosystem thresholds, transitions, and tipping points . . . . .	343
Crossing the final ecological threshold: longer summers and disappearing ecosystems. . . . .	344
Blending paleolimnology with monitoring: Was pond desiccation unprecedented in the Cape’s history? . . . . .	353
Winners and losers in an Anthropocene Arctic . . . . .	356
Unlike in Vegas, what happens in the North does not stay in the North. . . . .	360
A pandemic of willful ignorance: comforting lies, inconvenient truths . . . . .	361
Some final thoughts . . . . .	363

LITERATURE CITED. . . . .	365
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<i>John Smol: A Laudatio (Mary Power).</i> . . . .	427
<i>The International Ecology Institute</i> . . . . .	429