

COASTAL ZONE CANADA ASSOCIATION

NEWSLETTER #27, SEPTEMBER 2008

This newsletter, which is issued quarterly, is distributed by e-mail to members of the Coastal Zone Canada Association (CZCA), providing news about the Association, its activities and its members, as well as information of potential interest to members. Please feel free to circulate it among your own networks. Also visit the Association's Web site at: <http://www.czca-azcc.org>.

PRESIDENT'S REPORT (Grant Gardner)

As I write this message, the Prime Minister has just called a federal election for October 14, and the political machinery is switching rapidly into high gear. By the time you read this, the election will be much closer! While we do not know what the outcome of the electoral process might be, one certainty is that there will be a new Minister of Fisheries and Oceans, as the Honourable Loyola Hearn has announced that he will not be seeking re-election. It is also likely that a lot of the election rhetoric will focus on the environment, which has been identified as one of the top concerns of Canadians.

All members of CZCA share a strong interest in the sustainability and health of Canada's coastal waters, both marine and freshwater. The federal election will provide an opportunity to share that knowledge, and to help focus debate on the challenges that face our coastal environments. Regardless of your political affiliation, I urge you to ensure that coastal issues are addressed by the candidates, and to ensure that those candidates have access to accurate information about the state of the coastal zone.

Of course, CZCA also has many members outside Canada. I invite those members to sit back and watch the process as it unfolds, and as we work to improve government's engagement with critical issues of coastal management.

COASTAL ZONE CANADA ASSOCIATION 2008-2010

Considering Coastal Zone Canada's large Board of Directors and an Association membership that changes quite a bit at each conference, a new regular feature will be included in each Newsletter. The newsletter editor will be inviting CZCA Officers, Directors and association members to contribute short 'personal profiles'. One to two individuals will be featured in each newsletter, including brief biographical details and a description of their role in coastal and ocean management - through their professional and/or their external affiliations. After all, the more we know about each other, the easier it will be for us to work together.

Grant Gardner

A native of northern Ontario, my experience with coastal zones was limited in early life, although I spent more than a few hours on the waters of both Lake Nipissing and Trout Lake. I always had an interest in, and passion for, the oceans, however, so it was natural for me to pursue an undergraduate degree in Marine Biology at the University of Guelph, followed by graduate work in Biological Oceanography at UBC, where I finally had the opportunity of working on salt water. During my time in British Columbia, both at UBC and as a Post-Doctoral Fellow at the Institute of Ocean Sciences, I focused on aspects of zooplankton community composition and in particular on the interplay between community composition and oceanographic factors. The myriad inlets of the B.C. coast, and the complex exchange of water between the adjacent ocean and the protected coastal waters, were an excellent backdrop for the kinds of questions I was interested in asking, and I could easily have spent a career there.

However, permanent employment beckoned, and in 1979 I relocated to the Biology Department of Memorial University – switching oceans. At Memorial, I continued my work on interactions between inshore and offshore waters, but began to shift my focus towards teaching and (gasp!) administration. For many years, the high point of my year was my participation in the teaching of marine field courses at Memorial's Bonne Bay Field Station. Working with students in a field environment, with all of its inherent challenges and where things often don't go as predicted, was enormously satisfying, particularly because I could see the students grow and mature as they began to integrate their knowledge and apply it in the real world.

More recently, I have become increasingly involved in administrative work that has greatly reduced my time for both research and teaching. However, my interest in oceans and in hands-on learning remains. One way of keeping abreast of current issues (and of keeping my sanity) has been my work with groups such as the Coastal Zone Canada Association. While I had some limited interaction with CZCA prior to the turn of the century, my connection strengthened in a very positive way when I became the Chair of the organizing committee for CZC04, the Association's first conference in Newfoundland. That event was one of the best and most successful conferences of the Association, thanks in no small part to the excellent team of volunteers who rose to the occasion and helped make it happen. I also became a member of the CZCA Board at that time, and in 2004 accepted the responsibilities of Vice-President (Communications). At CZC08, I took the 'big step', and was named President of CZCA, succeeding Peter Ricketts, who did so much for the association during his term.

Outside of my 'day job' as Associate Vice-President (Academic) at Memorial, and my responsibilities for CZCA, I also am on the Board of the Atlantic Coastal Zone Information Steering Committee, am Chair of the Board of the Canadian Network for Environmental Education and Communication, and am a member of the

Executive Committee for the Fifth World Environmental Education Congress, which will be held in Montreal next May. Never a dull moment! I look forward to my term as President of CZCA, and particularly to the opportunity of working with the PEI crew as they prepare to host CZC10!

Larry Hildebrand

I always felt a bit illegitimate in the coastal and oceans community, having grown up on the shores of Lake Ontario, but the CZCA's recognition of Canada's 'four' coasts put that concern to rest. Nevertheless, I moved to Halifax in 1977 to re-focus a general biology degree started at Brock University into an Honours degree in marine biology at Dalhousie. Despite having seen the Atlantic ocean for the first time that Fall, I began work at the Bedford Institute of Oceanography in the Spring of 1978 (30 years ago!) and never looked back. After two years with DFO at BIO, working on zooplankton studies, tidal power research and offshore exploration (jointly with what is now NRCan), I moved to Environment Canada's Atlantic Office, where I have worked for the past 28 years. For the past decade, I have had the honour of managing the department's Sustainable Communities & Ecosystems Division, supporting coastal programs including the community-based Atlantic Coastal Action Program (ACAP), the Canada-U.S. Gulf of Maine Council on the Marine Environment, and several regional ecosystem coalitions.

My academic interests continued while I have worked for the federal government. I completed a Master of Environmental Studies degree at Dalhousie's School for Resource and Environmental Studies and am now in the final stretch on my Ph.D. at the University of Wales. My Masters thesis (under the tutelage of two great CZCA leaders - Peter Ricketts and Art Hanson), documented the history of and lessons-learned from CZM development in Canada. My doctorate is delving into the power-sharing relationships in community-based coastal management.

Despite the time challenges of completing all three degrees while working full-time, I have reaped the rewards of continuous learning and close working relationships with many academic colleagues. As an Adjunct Professor of Marine Affairs and of Environmental Studies at Dalhousie, I have enjoyed teaching and supervising graduate students in Canada and abroad. It has also been my pleasure to participate in coastal and oceans capacity-building efforts in Vietnam, China, the Philippines, Cuba, Mexico, Bangladesh, Pakistan and Uruguay. One of the most interesting and domestically-relevant teaching experiences in the past few years was a one-week 'boot camp' course that a few of us at the Marine Affairs Program designed and taught over three years to employees of DFO-Maritimes on 'Operationalizing the Canada's Oceans Act'. I also try to stay active in the non-government world of coastal and oceans management. I am one of the co-founders of the Coastal Zone Canada Association, served as it's 2nd President (1996-1998) and since the position has existed, as Vice-President-Liaison. I also serve on the Boards of Directors of the

Canadian Coastal Science and Engineering Association (CC-SEA), the Maritime Awards Society of Canada, The (U.S.) Coastal Society (2001-2007), and the Elizabeth Mann Borgese Centre for Ocean Governance. I have been a member of the Editorial Board for the international journal *Ocean & Coastal Management* (1995-2005) and currently with the journal *Coastal Management*. My learning continued as an external evaluator for UNDP/GEF on coastal biodiversity projects in Cuba and Belize, Canadian delegate to several international coastal policy working groups (e.g., OECD, Convention on Biological Diversity), and team leader on a Canadian coastal needs assessment in Thailand following the 2004 Asian tsunami. I have been involved in the planning and organization of all eight CZC conferences to date and, like Grant, am excited to be working with our colleagues in PEI in the planning for Coastal Zone Canada 2010.

SHORT NEWS ITEMS

(A) Tidal Power Development in the Bay of Fundy

Nova Scotia Energy provided funds to the OEER Association (Offshore Energy Environmental Research) for a period of one year to prepare a Strategic Environmental Assessment (SEA) of offshore renewable energy, specifically tidal energy, in the Bay of Fundy. A Background Report has been produced as an initial step in the Strategic Environmental Assessment (SEA) process. This report focuses on ocean renewable energy technologies and potential development scenarios, as well as the bio-physical and socio-economic environment in the region. It identifies potential interactions between likely development scenarios, the marine and coastal ecosystem, and resource uses and users, in particular the fisheries. The report is available at <http://www.bofep.org/>.

(B) Canada Announces Protection for Arctic Wildlife Sanctuaries

On August 22, 2008, the Government of Canada announced the completion of an Inuit Impact Benefit Agreement and \$8.3 million in funding to support the Agreement's plans for environmental conservation and economic development in Nunavut. The agreement, negotiated between the Government of Canada, Nunavut Tunngavik Inc. and four regional Inuit associations, allows for the creation of three new National Wildlife Areas (NWAs) on Baffin Island to protect local species and habitat - including a population of bowhead whale that has been assessed as threatened in Canada. The agreement also allows for co-management by Environment Canada and the Inuit of the three new, and ten existing protected areas in the Nunavut Settlement Area and expands economic and employment opportunities for affected communities. For more information visit <http://www.ec.gc.ca/>.

(C) First MSC Certification in Canada

The Canadian northern prawn trawl fishery has now been certified by the Marine Stewardship Council (MSC) as a sustainable and well managed fishery. The MSC is an international non-profit organization that was set up in 1997 to promote solutions to the

problem of overfishing. This fishery is the first in Canada to earn MSC certification, and the northern prawn will be the first Canadian wild-caught seafood eligible to bear the blue MSC eco-label. With an annual catch of more than 177.7 million pounds (80.6 million kg.), the Canadian northern prawn trawl fishery is now the largest MSC-certified coldwater shrimp fishery in the world. The fishery is managed by Fisheries and Oceans Canada (DFO) with numerous management measures to ensure a well-managed fishery. For example, vessels in the fishery utilize otter trawls fitted with Nordmore separator grates which ensure reduced bycatch as fish pass through the grate and escape from the trawl. The fishery runs from mid-spring to early fall. Raw material is landed fresh to processing facilities around the province of Newfoundland and Labrador, where it is produced in single frozen, cooked and peeled format. For more information on the Marine Stewardship Council, visit <http://www.msc.org/>.

(D) Case Studies in Fisheries Self-Governance

The FAO Fisheries Technical Paper documents 32 case studies and four syntheses (Canada, Japan, New Zealand and the US) on the role of industry in the governance and management of fisheries. The types of fisheries covered are crustaceans, fish, molluscs and echinoderms. In general the success of the programmes relates to the small scale of the fisheries and well-defined fishery rights. The Paper is available at <http://www.fao.org/docrep/010/a1497e/a1497e00.htm>.

(E) Action Plan for Ocean Health on the US West Coast

In 2006 the Governors of California, Oregon and Washington announced the West Coast Governors' Agreement on Ocean Health. On July 29, 2008, a new, proactive regional collaboration to protect and manage the ocean and coastal resources along the entire West Coast of the United States was announced. The Agreement seeks to advance the goals of: Clean coastal waters and beaches; Healthy ocean and coastal habitats; Effective ecosystem-based management; Reduced impacts of offshore development; Increased ocean awareness and literacy among the region's citizens; Expanded ocean and coastal scientific information, research, and monitoring; and Sustainable economic development of coastal communities.

For more information visit: <http://westcoastoceans.gov/>.

(F) Economic Valuation of Critical Habitat Closures

The authors of the report entitled "Economic Valuation of Critical Habitat Closures", published by the Fisheries Centre of the University of British Columbia, have developed methods to estimate the spatial variation in economic values of ocean fisheries, and applied the methods to estimate the cost of closing groundfish fisheries. The full report is available at: http://www.fisheries.ubc.ca/archive/publications/reports/report16_8.php.

(G) Headwaters and Headlands 2 the Ocean: Exploring Collaboration for our Coastal and Water Futures

The Province of Nova Scotia is currently developing a Water Strategy and a Sustainable Coastal Development Strategy. The session will be held in two parts: October 15th (Dalhousie University's Kenneth Rowe Management Building, 6100 University Avenue, Room 3089, 1:00 - 5:00 pm) will be an open session with presentations on water and

coastal issues in Nova Scotia and on how collaboration and partnerships may be successfully developed; October 16th (Dalhousie University's Kenneth Rowe Management Building, 6100 University Avenue, Room 2068, 9:00 am - 3:00 pm) will give individuals and organizations an opportunity to produce an outline of how a possible collaboration might be structured. Please RSVP to h2o@ecologyaction.ca by Thursday October 2nd to confirm attendance. For more information on Coastal Development and Water Strategies please visit <http://www.gov.ns.ca/fish/marine/coastalzone/> or <http://www.gov.ns.ca/nse/water/waterstrategy.asp>

UPCOMING CONFERENCES AND MEETINGS

September 30-October 3, 2008: OceanTech Expo'08 (exhibits, training, demos & networking); Providence, Rhode Island. Information: <http://www.oceantechexpo.com/>

October 3, 2008: Deadline for submitting abstracts to "Coastal GeoTools 2009", 2-5 March 2009, Myrtle Beach, South Carolina. Information: <http://www.csc.noaa.gov/geotools/>.

October 11-15, 2008: Restore America's Estuaries' - 4th National Conference on Coastal and Estuarine Habitat Restoration Providence, Rhode Island. Information: <http://www.estuaries.org/conference>

October 22-23, 2008: State of the Lakes Ecosystem Conference 2008 (SOLEC 2008); Niagara Falls, ON; Hosted by Environment Canada and the US Environmental Protection Agency (EPA). Information: <http://www.solecregistration.ca/en>

October 26-28, 2008: 27th Annual International Submerged Lands Management Conference; Traverse City, Michigan; Sponsored/organized by: Great Lakes Commission, NOAA, The Nature Conservancy, etc. Information: <http://www.submergedlands2008.com/>

November 12-13, 2008: MORSE (Mesoscale Ocean Radar Signature Experiments) User Consultation Workshop. Institute of Ocean Technology in St-John's, Newfoundland and Labrador. The MORSE Initiative focuses on the information needs of Arctic coastal users in government, non-governmental, industrial and scientific organizations. Particular emphasis is on those needs for Arctic coastal zone monitoring and management that can be satisfied, in whole or in part, by Earth Observation (EO) data from satellites. Information: <http://www.morse-arctic.net/>

November 15, 2008: Abstract Deadline - Call for Papers for the Sixth Canadian River Heritage Conference. This conference will showcase successes, innovations, needs and challenges in river heritage conservation, as well as management, restoration,

education, tourism, recreation and community leadership. Information:
<http://www.riversconference.ca/>

November 19-20, 2008: OREG (Ocean Renewable Energy Group) 2008 Fall Symposium (Theme: Building the business of ocean energy); Whistler, BC; Sponsored/organized by Ocean Energy Renewable Group. Information:
http://www.oreg.ca/2008_Fall_Symposium.html

December 9-12, 2008: Arctic Change 2008 (interdisciplinary international scientific conference focusing on climate change and associated Arctic issues); Québec City, QC; Sponsored/organized by ArcticNet, International Polar Year, Indian & Northern Affairs Canada, Inuit Tapiriit Kanatami, etc. Information: <http://www.arctic-change2008.com/>

January 26-29, 2009: 2030 NORTH (planning conference focusing on climate change, northern sovereignty, land claims agreements, and resource exploration & development); Ottawa, ON; Hosted by the Canadian Arctic Resources Committee, Inuit Tapiriit Kanatami & Centre of Military & Strategic Studies (Univ. of Calgary). Information: <http://www.2030north.carc.org/>

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