

COASTAL ZONE CANADA ASSOCIATION

NEWSLETTER #28, DECEMBER 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)

Where did all that time go again? It seems like only a short while ago that we met in Vancouver for CZC08, enjoying the Vancouver spring (late spring for the lower mainland, early spring for some of us), renewing old acquaintances, making new friends, and, most important, finding out more about the great work being done in Integrated Coastal and Ocean Management across Canada and the world. The meeting was rich with content, and I commend Peter Ricketts in leading the drafting of the conference statement. Distilling the contents of a CZCA meeting into a focused, state-of-the art, statement is always challenging, but Peter has proven more than once that he is up to that challenge.

The resulting conference statement and call to action will be going to the Board for approval shortly, and should be ready for broad release soon after (or perhaps soon before!) this newsletter is posted. As is our practice, CZCA will ensure the approved statement, which contains a series of important action items, will reach the appropriate federal, provincial and territorial ministers and their departments, as well as other stakeholders in our coastal zones. While we will distribute it widely, and will also send out a press release, we also depend on you, our members, to help spread the word. Read the final version carefully, and help us to move our action items forward! Our goal for 2009 is to make the CZC08 Statement an integral part of coastal zone planning at all levels in Canada.

As we move forward into 2009, we do so on a somewhat different playing field. The Federal election may not have changed the governing party, but the governing party changed. We now have new ministers in two key CZ portfolios, DFO and EC, and the former represents PEI, the site of CZC10! There was also an election to the south of us, and in January Barack Obama takes office, bringing in changes to the US that we will be watching with interest. Add to that the financial uncertainty of the past few months, and it is clear that 2009 will be an interesting year. It is incumbent on all of us to continue to strive for effective and thoughtful integrated coastal and ocean management, and to ensure that government recognizes the critical need to work with us to help preserve our precious coastal environment.

While many things may be in flux right now, one thing is not. Christmas is upon us, and feelings of good will abound. I trust that all of you will find adequate time for reflection, relaxation, and recharging of batteries, and wish you and your families all the best as we move into 2009.

VICE-PRESIDENT COMMUNICATIONS REPORT (Kelly Cantelo)

COASTAL ZONE CANADA 2010 : HEALTHY OCEANS – STRONG COASTAL COMMUNITIES

The Prince Edward Island Department of Fisheries, Aquaculture and Rural Development will be hosting the 2010 Coastal Zone Canada conference from July 24-29 at the University of Prince Edward Island. Located in the heart of Prince Edward Island, minutes from downtown Charlottetown, and a short drive to beaches, golf, heritage sites, and attractions, UPEI is an excellent venue for CZC 2010.

The department is pleased to announce that the local organizing committee has been formed and have held two meetings to date: October 31 and December 9, 2008. The committee's members represent various stakeholders in integrated coastal and ocean management and bring a wealth of knowledge and experience with them.

Allow us to introduce the Local Organizing Committee for CZC 2010:

- Barry MacPhee, Co-Chair, PEI Department of Fisheries, Aquaculture and Rural Development
- Kelly Cantelo, Co-Chair, PEI Department of Fisheries, Aquaculture and Rural Development
- Randy Angus, Mi'kmaq Confederacy of Prince Edward Island
- Sarah Jane Bell, Southeast Environmental Association
- Delly Keen, Fisheries and Oceans Canada
- Neil MacNair, PEI Department of Fisheries, Aquaculture and Rural Development
- Lorna Murphy, Environment Canada
- Irene Novaczek, UPEI/Institute of Island Studies
- Brenda Penak, PEI Department of Environment, Energy and Forestry

The committee will be meeting on a regular basis to advance the planning of this very important conference. The program will be the priority of the committee early in 2009. All Prince Edward Island stakeholders, including government departments, fisheries and aquaculture organizations and environmental and watershed groups, among others, will be invited to provide their ideas and suggestions for the conference program.

The CZCA will work closely with the PEI-based local organizing committee to provide input, ideas and suggestions leading up to the 2010 conference. The conference website is currently under construction and will be launched very soon. The website

address is <http://www.gov.pe.ca/czc2010> and it will be linked to the Coastal Zone Canada Association website.

VICE-PRESIDENT GREAT LAKES REPORT (Peter Zuzek)

SUSTAINABLE MANAGEMENT STRATEGY FOR SOUTHEAST LEAMINGTON, ONTARIO, CANADA

Leamington is located in the southeast corner of Essex County, Ontario, along the northwest shoreline of Lake Erie. The study area extends from Wheatley Harbour in the north to the southern reaches of Point Pelee National Park. The area has a long and diverse settlement history, stretching back to the early 1800s. By the 1850s the present lands of the National park were used as a Military Reserve. In the early 1900s the wetlands in the center of the study area were dyked and drained for agriculture, isolating the National Park from its natural watershed and creating two large habitat fragments. Initially the muck soils produced profitable market vegetable crops. However, today much of the muck has disappeared and cash crop farming below lake level can't support the extensive drainage scheme repairs required to keep the fields from flooding. The entrance to Muddy Creek was stabilized with jetties to create a fishing port but deposition in the fillet beach has starved the downdrift shoreline of the natural sediment supply. The waterfront was extensively developed first with seasonal homes, then permanent residences. Due to the severe natural background recession rate for this cohesive shoreline (1.25 m/yr) and frequent flooding hazards, extensive shoreline armoring followed. The beaches have consequently disappeared along the developed shoreline.

Repetitive flooding hazards, severe shoreline erosion rates, a crumbling drainage scheme, and declining native biodiversity resulted in a need for a comprehensive multi-disciplinary investigation to develop long-term sustainable management strategies. The investigation was guided by a Steering Committee with representatives from local, provincial and federal Government agencies.

Supporting studies included extensive stakeholder meetings and workshops, a mail survey, geo-physical surveying, shoreline change analysis, wave and current modeling, detailed sediment transport predictions, agricultural assessment, native biodiversity review and socio-economic evaluation to design and compare alternative sustainable management concepts. The preferred alternative was a multi-use concept that preserved existing sustainable land uses, replaced unsustainable land practices, and connected the two large habitat fragments with a 900 hectare environmental corridor. The preferred alternative featured a positive benefit cost ratio of 1.9 and would generate extensive opportunities for the local community.

For more information, please visit: http://www.baird.com/baird/en_html/leamington.html

COASTAL ZONE CANADA ASSOCIATION 2008-2010

Considering Coastal Zone Canada's large Board of Directors and an Association membership that changes quite a bit following 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.

Peter Ricketts

Growing up in the resort town of Bournemouth on the central south coast of England, the coast has always been an important part of my life. After getting my BA (Hons) in Geography at Nottingham University, and being taught by Cuchlaine King, one of the world's leading coastal geomorphologists, I returned to the south coast for my PhD at Southampton University. In 1976 during my doctoral studies on coastal erosion management, I spent three months in the USA. I had heard something about this new Coastal Zone Management Act (CZMA) that was supposed to be a much more progressive approach than Britain's Coast Protection Act. And so it was that I began my interest in Coastal Zone Management (CZM).

I came to Canada in 1978 and in 1979 I joined the Geography Department at Saint Mary's University in Halifax, NS where I stayed for 16 years. In those early days at Saint Mary's, we pioneered one of the first Marine and Coastal Geography programs and I was teaching one of the only courses in Coastal Management in Canada. One of my earliest students was Larry Hildebrand, who was taking his master's degree at Dalhousie. Through Art Hanson I became involved with the Dalhousie Oceans Studies Program (DOSP). At this time in the early 1980s, I was working on the Gulf of Maine maritime boundary dispute for the federal government, and I was starting to move away from my coastal geomorphology roots. This was a time when Geographic Information Systems (GIS) were in their infancy, and Art Hanson and I secured a major federal contract to develop a resource and environmental information system for the Bay of Fundy, Gulf of Maine, and Georges Bank (the FMG region). The resulting FMG (Fundy/Maine/Georges) Information System was one of the first to utilize a user-friendly (at least it was for that time) desktop GIS interface. This project led to the development of longtime relationships with CZM colleagues in the US, especially in the New England states bordering the Gulf of Maine, and then with the Strategic Environmental Assessment (SEA) division of NOAA in Washington, DC.

In 1995 I joined Dalhousie University as Dean of Graduate Studies and then in 2000, after 21 years, I left Halifax to become Vice-President, Academic and then President of Okanagan University College in Kelowna, BC. In 2005-06 I took an

administrative leave during which time Peter Harrison and I co-edited a special Canadian theme issue of Coastal Management. Then in 2006, I joined Nipissing University in North Bay, ON as Vice-President, Academic and Research.

During the late '80s a small group of Canadians began to meet (usually in bars) at the biennial CZ conferences in the US. We felt it was time to develop a Canadian venue for a CZ conference, and in 1993 we formed the Coastal Zone Canada Association to organize a Canadian CZ conference. The rest, as they say, is history. I served as President of the CZCA from 2002 to 2008, and during that time we held CZC conferences in all four of Canada's coastal zones.

I came to Canada in 1978 for nine months – and I am still here 30 years later. I have lived in three of Canada's coastal zones, and I have been fortunate to work internationally, in S.E. Asia, the Caribbean, and South America, as well as Europe and the US. It has been such a pleasure to work with many such people in Canada, especially within the CZCA. I wish Grant Gardner every success as CZCA President, and I look forward to seeing everyone in PEI for CZC 2010.

SHORT NEWS ITEMS

(A) State of Nova Scotia's Coast Report

Under its new Coastal Management Framework, the Government of Nova Scotia will release a State of Nova Scotia's Coast Report this spring. The report will provide baseline information on Nova Scotia's priority coastal issues, and will inform the development of a Sustainable Coastal Development Strategy by 2010. The report will focus on the following areas: coastal development; working waterfronts; public coastal access; sea-level rise and storm events; coastal water quality; and coastal ecosystems and habitats. The report is being undertaken by CBCL Limited, with guidance and assistance by the interdepartmental Provincial Oceans Network. Following the release of the report, the Province will seek public feedback through a series of open houses and targeted meetings with stakeholders. For more information on Nova Scotia's Coastal management Framework: <http://www.gov.ns.ca/fish/marine/coastalzone/>

(B) Conservation Strategy for Coldwater Corals and Sponges on the Pacific Coast

DFO, in collaboration with Canadian Parks and Wilderness Society (CPAWS)-BC Chapter, is leading the development of a Conservation Strategy for Coldwater Corals and Sponges on the Pacific Coast and held a multi-stakeholder workshop on November 19th to obtain input to the development of the strategy. In addition to identification of conservation, management and research objectives and associated strategies and actions, we're also considering interim management actions that might be implemented prior to finalization of the strategy.

(C) *Liber Ero* Chair in Coastal Studies - Simon Fraser University

Simon Fraser University invites applications for the first endowed *Liber Ero* Chair in Coastal Studies. The successful candidate will be an outstanding scientist with an established international reputation in an area of environmental research. The Chair will be expected to mount a strong and highly visible research program, to contribute to the undergraduate and graduate teaching programs and to collaborate with the Centre for Coastal Studies on outreach activities. There will be some funding available for research. For more information visit: <http://www.sfu.ca/cstudies/coastal/coastal.htm>.

(D) Proceedings of ICES Science Conference: Halifax, Nova Scotia

The 2008 Annual Science Conference of the International Council for the Exploration of the Sea (ICES) was held September 22-26, 2008 in Halifax, Nova Scotia. A collection of Reports and Meeting Documents presented at the Conference may now be obtained at: <http://www.ices.dk/products/cmdocsindex.asp>.

(E) International Conference on Marine Affairs and the Law of the Sea

The "International Conference on Marine Affairs and the Law of the Sea" was held on August 21-23, 2008 in Oslo, Norway. The theme was 'The World Ocean in Globalization: Challenges for Marine Regions'. Conference presentations are now available at <http://www.fni.no/conference/presentations.html>.

(F) Gov. Schwarzenegger Issues Executive Order Directing California Agencies to Plan for Sea Level Rise and Climate Impacts

Given the serious threat of sea level rise to California's water supply and coastal resources and the impact it would have on California's economy, population and natural resources, Governor Arnold Schwarzenegger has recently issued an Executive Order (EO) to enhance the state's management of climate impacts from sea level rise, increased temperatures, shifting precipitation and extreme weather events.

There are four key actions in the EO including: (1) initiate California's first state-wide climate change adaptation strategy that will assess the state's expected climate change impacts, identify where California is most vulnerable and recommend climate adaptation policies by early 2009; (2) request the National Academy of Science establish an expert panel to report on sea level rise impacts in California to inform state planning and development efforts; (3) issue interim guidance to state agencies for how to plan for sea level rise in designated coastal and floodplain areas for new projects; and (4) initiate a report on critical existing and planned infrastructure projects vulnerable to sea level rise.

UPCOMING CONFERENCES AND DEADLINES

December 30, 2009: Deadline for submission of abstracts for the Marine Ecosystem Challenges and Opportunities Conference in Kochi, India. Information: <http://www.mbai.org.in/mecos/index.html>

January 22-23, 2009: ACZISC Meeting #56, Halifax, NS. Information: <http://aczisc.dal.ca/>

January 25-30, 2009: "ASLO Aquatic Sciences Meeting 2009", Nice, France. Information: <http://www.aslo.org/nice2009>

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/>

February 1-5, 2009: 3rd International Conference in Ocean Engineering", Madras, Chennai, India. Information: <http://www.oec.iitm.ac.in/icoe2009/index.html>

February 2-5, 2009: 5th International Conference on Remediation of Contaminated Sediments, Jacksonville, Florida. Information: <http://www.battelle.org/Conferences/sediments/index.aspx>

February 8-11, 2009: Puget Sound Georgia Basin Ecosystem Conference, Seattle, Washington. Information: <http://www.psqbconference.org/>

February 9-12, 2009: Marine Ecosystem Challenges and Opportunities Conference in Kochi, India. Information: <http://www.mbai.org.in/mecos/index.html>

February 12-16, 2009: Annual Meeting of the American Association for the Advancement of Science (AAAS), Chicago, Illinois. Information: <http://www.aaas.org/meetings/2009/>

February 18-20, 2009: National Conference on Beach Preservation Technology, St. Petersburg Beach, Florida. Information: <http://www.fsbpa.com/seminar.htm>

February 20-21, 2009: "Fishermen and Scientists Research Society 16th Annual Conference", Truro, Nova Scotia. Information: <http://www.fsrns.ca/>

April 15, 2008: Deadline for receipt of abstracts for presentation at Aquaculture Canada 2008. All topics related to aquaculture will be considered. The presentations must be of a scientific or technical nature. A completed abstract form must also be submitted. The deadline for receipt of abstracts is April 15, 2008. Information: <http://www.aquacultureassociation.ca/ac08/callpaper.htm>

May 11-14, 2009: Aquaculture Canada 2008 & Aquafair 2008, Saint John, N.B. Conference Theme: "Growing Quality Seafood through Innovation". Information: <http://www.aquacultureassociation.ca/>

July 19-12, 2009: "Coastal Zone 09", in Boston, Massachusetts. The theme is 'Revolutionary Times: Catching the Wave of Change'. Information: <http://www.csc.noaa.gov/cz/index.html>

The contribution of Environment Canada for providing translation services is gratefully acknowledged. Thanks are also expressed to Maxine Westhead, Kelly Cantelo, Grant Gardner, and Larry Hildebrand for final review of the newsletter.

Questions and comments pertaining to this newsletter should be addressed to the editor, Kaylen Hill, at Kaylen.Hill@snclavalin.com

Questions and comments pertaining to the Coastal Zone Canada Association should be addressed to the CZCA Secretariat at the Bedford Institute of Oceanography, P.O. Box 1006, Dartmouth, NS, B2Y 4A2 (coastalz@mar.dfo-mpo.gc.ca)