

COASTAL ZONE CANADA ASSOCIATION

NEWSLETTER #20, DECEMBER 2006

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 check out the Association's Web site at: <http://www.czca-azcc.org>.

~~~ Season's Greetings to all our readers ~~~

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## COASTAL ZONE CANADA (CZC) 2006 CONFERENCE, TUKTOYAKTUK, NORTHWEST TERRITORIES

An initial report on the conference was included in the previous issue of the newsletter (#19, September 2006). In this issue additional information is provided based on reports and articles by attendees.

The Inuvialuit Regional Corporation included a short write-up of the event in the October issue of its newsletter (IRC Newsletter, Vol. 11, No. 3, October 2006). The article states that the Youth Forum kicked-off the proceedings on August 11 with 50 participants, including at least one youth from each Inuvialuit community. Then, on August 14, the persons attending the main conference arrived, swelling the size of Tuktoyaktuk by 300. The planning of both the Youth Forum and the Conference was spearheaded by DFO, with assistance from several agencies including the following northern groups: Hamlet of Tuktoyaktuk, Inuvialuit Regional Corporation, and the local Fisheries Joint Management Committee. The Honorary Co-chairs were Nellie Cournoyea (Chair, Inuvialuit Regional Corporation) and Frank Pokiak (Chair, Inuvialuit Game Council). The article states that the event generated a lot of activities and excitement in the community, with both residents and participants enjoying the many social functions. To refer to this article, which includes photos, go to: <http://www.irc.inuvialuit.com/publications/pdf/2006-03%20October.pdf>

Among the young people attending the Youth Forum (and also the main conference) was graduate student Bonnie Gemmill, University of Manitoba. She was funded to attend by DFO. In her report to the department she stated that attending the Conference and Youth Forum was an experience that she would never forget. She concluded her report as follows: "I have taken a lot back with me from this conference, especially issues that I had no idea were happening. Before attending this conference I basically only knew of the research that I was working on in the Arctic, but from this conference I

have learned that there are many other issues that are going on, and this opportunity has made me become more interested in furthering my education in this field of study.” In another perspective on the event, this one from a member of DFO Headquarters, Ottawa (Robert Siron, Manager, Ecosystem-based Management Unit, Oceans and Policy Planning) recognition was paid to the organizing committee “for their tremendous and continuing efforts to make the challenge to get this conference in the North a successful reality...” In his report, Siron states that “From a professional perspective, it was a very interesting conference with a lot of discussions on topics and issues of interest for oceans management in the Arctic; from a personal point of view, this was really an unforgettable experience, as we lived within a coastal northern community for a week and were in touch with the Inuit culture, participating in great social activities and events.”

A key output of the conference is the Tuktoyaktuk Declaration (reproduced in full in the previous issue the newsletter). In the near future, all of the conference presentations will be posted on the CZC’06 Web-site: <http://www.czca-azcc.org>. In addition, the conference will be summarized by a series of peer-reviewed papers (mostly invited), and published in 2007 in “Arctic”, North America’s premier journal of northern research. Progress in addressing the actions arising from CZC’06 will be reviewed at the 2007 Ocean Management Research Network (OMRN) Conference in Ottawa (Fall 2007), and at CZC’08 in Vancouver.

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## **PRESIDENT’S REPORT**

The main activity of the Association since CZC’06 has been in following-up on the commitments made in the Tuk Declaration, which was included in the September Newsletter. In particular we have been working to identify ways in which we can ensure that northern discussion around the critical CZM issues facing Arctic Canada do not end with CZC’06, and to ensure continued involvement of our northern colleagues in the work of the CZCA. Jack Mathias and Thomas Suluk have been especially involved, and have taken on very important leadership roles in this initiative. The CZCA is very grateful to Jack and Thomas for these efforts.

A report of the Northern Forum, which was held during CZC’06, was produced by Sherrie Blakney (Natural Resources Institute, University of Manitoba). The report highlights the need for a regional Arctic Coastal Zone Association or Working Group to be under the direction of the Inuit but that would ensure the wide involvement of scientists and researchers from the South (through such organizations as CZCA and OMRN), as well as all coastal communities of the North. The key issues to be identified by the Forum are: Arctic sovereignty; federal and territorial harvesting legislation; the Tuk Declaration, Ocean Action Plan, and land claims; environmental damage and critical habitat areas; wildlife and marine safety & protection guidelines and regulation; and global warming. There was considerable discussion over what relationship should exist between the new regional group and the CZCA, ranging from it being a regional

chapter of the CZCA to it being its own Association with a formal linkage. Following this report, an application was made to the Gordon Foundation to fund a meeting that would bring together key individuals from the North, the CZCA, the OMRN, and other appropriate groups, to develop a Strategy and Action Plan for the establishment of a Northern Coastal Zone organization.

I am delighted to say that the proposal was accepted by the Gordon Foundation, and a sum of \$25,000 will be made available to organize the meeting. The money will be managed by the CZCA, and the meeting will be held in the New Year. I am delighted to see this activity emerging from CZC'06, and the CZCA will assist in any way possible to ensure that the momentum from Tuk is built upon successfully. We are grateful to the Gordon Foundation for this support, and look forward to a successful follow-up meeting to get this Northern Coastal Zone group up and running.

As we approach the Christmas season, I wish each and every one of you a very happy and peaceful holiday and all the best for an exciting New Year.

Best wishes,  
Peter Ricketts,  
President, CZCA

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## **VICE-PRESIDENT, GREAT LAKES, REPORT (Patrick Lawrence)**

The Great Lakes Coastal Zone Regional Division of the CZCA will host a one day forum on the "Future of the Great Lakes Coast" in association with the Lake Huron Coastal Conservation Center. The forum will focus on several key topical issues of interest to the Great Lakes coastal community including wind energy, public access, climate change impacts, and farmland & rural source water protection. Each topic will consist of presentations by two counterpoint speakers. The event will be of interest to professionals, agencies, non-government organizations, and citizens. The forum is currently tentatively scheduled for September 2007 in London, Ontario. For more information look for updates on <http://www.greatlakescoastalzone.com/>.

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## **VANCOUVER AQUARIUM LAUNCHES AQUAQUEST – THE MARILYN BLUSSON LEARNING CENTRE**

**(Report by Sondi Bruner; submitted on behalf of new CZCA Board Member John Nightingale, President, Vancouver Aquarium)**

In November 2006 the Vancouver Aquarium opened its new, \$22-million building Aquaquest – the Marilyn Blusson Learning Centre. Named in recognition of a major gift towards the cost of the facility from Canadian philanthropists Marilyn and Stewart Blusson, this 52,000 sq ft facility was inspired as part of the Aquarium's commitment to education and conservation, and to enhance the Aquarium's economic, cultural and

social contributions to the local community. Aquaquest promises to be a healthy, innovative space for learning, which will model, inform and challenge visitors, other public institutions, businesses and governments to continue the pursuit of excellence in environmental responsibility.

The Vancouver Aquarium's mission is to conserve aquatic life through interpretation, education, research and direct action. The not-for-profit society's vision is a world in which our grandchildren know the beauty and bounty of nature we enjoy today. Aquaquest is a move in that direction, one of several as the fifty-year-old Vancouver Aquarium looks at renewing and expanding its aging facilities in preparation for the next half-century.

"What is so important about Aquaquest is how it enhances our capacity to touch millions of people throughout Canada and around the world for the betterment of our aquatic environments," says Vancouver Aquarium President Dr. John Nightingale. "When we can put people together with the living world, we know awareness increases and inspiration occurs. Aquaquest gives us new spaces and new capacities to connect our visitors and millions across BC and Canada to what is happening in the world."

### **A new era in education**

The facility represents the Aquarium's commitment to educating children, inspiring action in conservation and enhancing the community through economic, cultural and social means. The Aquarium hosts more than 80,000 students in school programs annually. Aquaquest triples the Aquarium's capacity for delivering educational programs to students, ushering in a new era of leadership in aquatic learning and conservation education.

Prior to the opening of Aquaquest, the only teaching space available in the Aquarium was the Aldyen Hamber Student laboratory, which opened in 1967. With a new wet lab and two new classrooms, the Aquarium has now tripled its educational capacity, making it Canada's largest aquatic learning centre.

"More teaching spaces allows us to realize the potential of our education programs," says Eric Solomon, Aquarium VP of Conservation, Research and Education. "We have more space for our curriculum-based programs. Combined with the new gallery, we can provide a whole new experience for kids."

### **Experience marine life in a whole new way**

For most Aquarium visitors, the main highlight of Aquaquest is the Canaccord Capital Exploration Gallery. Entering this space is like walking through time. As you step through the Treasures of the BC Coast section, which leads to the gallery, you pass by dozens of fish found in the waters of British Columbia, all brilliantly lit and carefully described. But when you hit the mouth of the new gallery, you descend into a futuristic darkness, and come face to face with an enormous sea nettle display that is illuminated by a warm blue backdrop.

The Gallery includes interactive exhibits and the 'Windows on Research' area, a new children's play learning area called Clownfish Cove, an environmental newsroom, a new wet lab and two classrooms, a 170-seat theatre, and administrative offices for staff. "By the time you've left the Gallery you have a whole bunch of ways to look at animals that you've never thought of before," says Solomon. "It goes beyond sea stars to dolphins, beluga whales and even the tiniest flecks of algae."

### **Growing a green building**

While the Canaccord Capital Exploration Gallery may be the most noticed and publicly admired facet of Aquaquest, the Aquarium is also proud of its implementation of innovative green technology. Aquaquest is the first zoo or aquarium anywhere in the world aiming for Leadership in Energy and Environmental Design (LEED) Gold certification.

The Aquarium has made every effort to make its newest building as environmentally sustainable as possible. "It was our intention from the beginning to make sustainability the core of the new Learning Centre," says Dr. Nightingale. "We're located in beautiful Stanley Park, where we teach people about conservation every day of the year. We need to demonstrate that commitment through more than just our words. We need to walk our talk." This meant weaving sustainability into every aspect of the building with a carefully crafted design that ensures Aquaquest generates less waste and uses less energy than a conventional building.

"This project is a flagship," says Max Richter, an architect at Canadian company Stantec who consulted on the LEED aspects of Aquaquest. "The Aquarium has been very forward-looking and has taken a real leadership role in promoting green buildings in Vancouver."

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## **SHORT NEWS ITEMS**

### **(A) Canada's second National Report to the United Nations Environment Programme (UNEP) on the implementation of Canada's National Programme of Action for the Protection of the Marine Environment from Land-based Activities (NPA)**

This October 2006 report highlights the role that the Association's Coastal Zone Canada (CZC) conference series plays in addressing coastal and oceans management issues. It was recently presented to the Second Intergovernmental Review Meeting on Implementation of the Global Programme of Action held in China. To obtain a copy of the document contact the NPA Secretariat at Environment Canada's Marine Environment Branch: [sarah.kennedy@ec.gc.ca](mailto:sarah.kennedy@ec.gc.ca)

### **(B) Scotian Shelf atlas**

Fisheries and Oceans Canada has recently released "The Scotian Shelf: An Atlas of Human Activities". The atlas includes over 50 maps of ocean activities occurring on the

Scotian Shelf (and where data was available the Canadian Portion of the Gulf of Maine) including fishing, defense operations, shipping, research, oil and gas activities, special management areas, ocean disposal and marine environmental quality, and other activities. There are limited copies in print, but it is now available on-line in PDF format at: <http://www.mar.dfo-mpo.gc.ca/oceans/e/essim/essim-atlas-e.html>

**(C) Ocean energy in coastal British Columbia**

A recently published report by the Pembina Institute and Pollution Probe outlines the energy efficiency potential and renewable energy resources available in B.C. Under the title “Maximizing Energy Efficiency and Renewable Energy in British Columbia”, the report includes a section on ocean energy, which focuses on the conversion of energy from waves, tides and currents into useful power. The report notes that BC Hydro explored options for wave projects at Ucluelet in the early 2000s, while the Pearson College-EnCana Clean Current Tidal Power Demonstration Project, deployed in coastal waters near the Race Rocks Ecological Reserve, SW of Victoria, is expected to be completed in the near future. To download the document go to:

<http://www.pembina.org/pdf/publications/MaxREandEEinBC.pdf>

**(D) Coastal Management Journal – Canadian Theme Issue**

Volume 35, Number 1, Jan-Mar, 2007 of this journal focuses on Canadian coastal and oceans issues. Published by Taylor and Francis, it is now available online at the publisher’s Web-site: <http://journalonline.tandf.co.uk/sara>. The first article, Coastal and Ocean Management in Canada: Moving into the 21st Century, is authored by CZCA President, Peter Ricketts and 2006 CZCA H.B. Nicholls Award recipient, Peter Harrison. This paper is followed by five other papers focusing on various Canadian issues; among the authors are several members of the Association.

**(F) Adapt or Fry? -- Another view on global warming (news item from the Sep 9-15, 2006 issue of the New Scientist)**

“Is it all over for Kyoto? Should we accept that global warming is inevitable and plan accordingly? Yes says Frances Cairncross, president of the British Association for the Advancement of Science (BA) which held its annual festival in Norwich, UK, this week. On Monday Cairncross described the Kyoto protocol as ‘ineffectual’ and called for the world to accept that a ‘hotter, drier world’ is coming -- even if everyone fulfills their obligations under Kyoto and pegs levels of carbon dioxide back below the 1990 baseline. ‘Adaptation policies have had far less attention than mitigation,’ she told the BA.”

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## **UPCOMING CONFERENCES AND MEETINGS**

(This item comprises selected events of potential interest to members, the emphasis being on Canadian and US conferences. Events indicated by an asterisk are repeats from previous lists. Members are invited to submit items for inclusion.)

\*Jan 22-25, 2007; 4th International Conference on Remediation of Contaminated Sediments; Savannah, Georgia; Sponsored by Battelle.  
Information: <http://www.battelle.org/conferences/default.stm>

Feb 1-2, 2007; "Six Years in the Mud – Restoring Maritime salt marshes: Lessons learned and moving forward" (Workshop focusing on Bay of Fundy salt marshes); Bedford Institute of Oceanography, Dartmouth, NS; Organized by the Ecology Action Centre and the Gulf of Maine Council on the Marine Environment.  
Information: [http://www.ecologyaction.ca/coastal\\_issues/saltworkshop.html](http://www.ecologyaction.ca/coastal_issues/saltworkshop.html)

Feb 16-17, 2007; FSRS 14th Annual Conference; Truro, NS; Organized by Fishermen & Scientists Research Society.  
Information: <http://www.fsrns.ca>

\*Mar 5-8, 2007; "Coastal GeoTools 07" Conference (Focus: Integration of geospatial tools and methodologies with coastal resource management); Myrtle Beach, South Carolina; Sponsored by NOAA Coastal Services Center.  
Information: <http://www.csc.noaa.gov/geotools/>

Apr 2-5, 2007; International Marxan Best-Practices Workshop (application of Marxan software to marine planning); UBC, Vancouver, BC; Organized by Pacific Marine Analysis & Research Association.  
Information: <http://www.pacmara.org/>

\*Apr 16-20, 2007; 9th International Coastal Symposium (ICS2007); Gold Coast, Queensland, Australia; Hosted by Griffith University.  
Information: <http://www.gu.edu.au/school/eng/ics2007/>

May 21-26, 2007; Sixth International SAMPAA Conference (Theme: Ecosystem Based Management: Beyond Boundaries); Acadia Univ., Wolfville, NS; Presented by The Science and Management of Protected Areas Association.  
Information: <http://www.sampaa.org>

May 28-Jun 1, 2007; "Air, Ocean, Earth and Ice on the Rock" (CMOS-CGU-AMS Joint Congress); St. John's, NF; Hosted by: the Canadian Meteorological & Oceanographic Society, the Canadian Geophysical Union, and the American Meteorological Society.  
Information: <http://www.cmos2007.ca/en/index.htm>

Jun 11-14, 2007; International Symposium on Integrated Coastal Zone Management; Arendal, Norway; Convened by Institute of Marine Research, Arendal (co-sponsors include ICES).  
Information: <http://www.imr.no/iczm/>

Jun 30-Jul 3, 2007; 13th International Conference on the Environment (topics include: environmental issues in New England and the Maritime Provinces; coastal management issues; and community and sustainability); Portland, Maine; Presented by the

Interdisciplinary Environmental Association.

Information: <http://www.ieaonline.org>

\*Jul 22-26, 2007; "Coastal Zone 07" (Theme: Brewing Local Solutions to your Coastal Issues); Portland, Oregon; Sponsored by NOAA Coastal Services Center.

Information: <http://www.csc.noaa.gov/cz/>

Jul 31-Aug 3, 2007; International Association for the Study of the Commons (IASC) 2007 Conference (Theme: Transitions in defining and utilizing North American commons); Corner Brook, NF; Hosted by Sir William Grenfell College, Memorial University of Newfoundland.

Information: <http://www.swgc.mun.ca/iasc2007/index.asp>

Aug 20-24, 2007; IPY (International Polar Year) GeoNorth 2007 (1st International Circumpolar Conference on Geospatial Sciences & Applications); Yellowknife, NWT; Organized by: Natural Resources Canada, Can. Inst. of Geomatics, and NWT Centre for Geomatics.

Information: [http://ess.nrcan.gc.ca/ipygeonorth/index\\_e.php](http://ess.nrcan.gc.ca/ipygeonorth/index_e.php)

Sep 29-Oct 4, 2007; "Oceans 2007" (Theme: On the Edge of Tomorrow); Vancouver, BC; Sponsored by MTS/IEEE-OES.

Information: <http://www.oceans07mtsieevancouver.org>

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