

ACZISC



ATLANTIC COASTAL ZONE
INFORMATION STEERING COMMITTEE

COASTAL ACTIVITIES IN ATLANTIC CANADA MEETING #69

Date: Wednesday and Thursday, 29-30 May 2013

Location: Room 417, Memorial Hall & Room 218 South, Atlantic Veterinary College
University of Prince Edward Island, Charlottetown, PEI

PARTICIPANTS (¹ ACZISC member; ² Advisory Committee member; ³ Director, ACZISC Association)

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Additional contact information for ACZISC Members is available on the ACZISC's [website](#).

PLEASE NOTE: "Coastal Activities in Atlantic Canada" is a subset of the Minutes of ACZISC Meeting #69, held on 29-30 May 2013 in Charlottetown, PEI.

To download the Minutes and Coastal Activity reports of previous ACZISC meetings, access the ACZISC [website](#).

PRESENTATION and DISCUSSION

- **Northumberland Strait Environmental Monitoring Partnership**, Michael van den Heuvel, UPEI.
- **Hot Off the Presses: Future Projections of Climate Change for Canada and the Atlantic Region Using Global Climate Models Used in the IPCC Fifth Assessment Report (2014)**, Adam Fenech, UPEI.
- **Salt Marsh Migration in Prince Edward Island**, Al Hanson, Environment Canada.

The meeting presentations are posted [online](#).

ROUNDTABLE REVIEW OF COASTAL ACTIVITIES and UPDATES ON ACZISC RELATED PROGRAMS

ACZISC SECRETARIAT: Andy Sherin, led a discussion on Newsletter Sponsorship:

- Andy asked participants to brainstorm sectors that the ACZISC might as to sponsor the ACZISC Newsletter. This is the result:
- Industry associations, organizations
- Overlapping interests: MFU, CCPFH
- Fundy tidal interest – Fundy tidal energy
- Insurance industry
- NGOs to promote campaigns
- Support the work of this organization, donate on the website.
- Conference publicity
- Oil and gas
- Municipalities
- Other: consider tiers of sponsorship; ‘support the work of this organization’ donate button on the website; ask additional governments to pay for the service.

Andy Sherin, reported the following:

- Andy noted that the CoastGIS2013 Conference website is scheduled for 18-21 June 2013 and the website is <http://www.coastgis2013.ca>. The conference will include a LiDAR workshop that he is organizing as well as the presentation of two papers related to the ACZISC and COINAtlantic.
- The Climate Change Adaptation Policy Best Practises project for NRCan that the ACZISC Secretariat is working on includes a Newfoundland and Labrador case study working with data from Norm Catto. The workshop report dealing with this project that was held at the ACZISC Meeting in January 2013 will be distributed soon.

PRINCE EDWARD ISLAND DEPARTMENT OF ENVIRONMENT, LABOUR AND JUSTICE:

Sean Ledgerwood, reported the following:

- There are 25 watershed groups in PEI which have formed the PEI watershed alliance. 23 of these groups are funded by the province. Funding for students has reduced reliance on the 3 watershed coordinators. A project with Environment Canada has updated their watershed manual. Watershed management plans identified the sources of nitrate contamination (i.e. farming and domestic septic tanks) put the public's commitment to actions was not concrete. Nitrate projects are a priority for both Environment Canada and PEI.
- The 7th Canadian River Heritage Conference will be held from the 16-19 June 2013 in Charlottetown, PEI - <http://www.riversconference.ca>.

Peter Nishimura, reported the following:

- PEI continues to partner with other Atlantic provinces and work on the Regional Adaptation Collaborative's next phase or 'RAC2'. PEI is integrating new coastal erosion rates set back policy, (i.e. 60 feet or 60 times the rate). Now the rates and set backs have changed subdivision and development staff decide how they apply the rates. The climate lab at UPEI is also associated the Adaptation Platform or RAC2.

PRINCE EDWARD ISLAND DEPARTMENT OF FISHERIES, AQUACULTURE AND RURAL DEVELOPMENT:

Dave M^{ac}Ewen, reported the following:

- The PEI government conducts three monitoring programs: 1) lobster resource monitoring to determine a recruitment rate. The province meets with the industry at regular local meetings; 2) the lobster larvae survey which deploys cages in 6 areas between July and August. Although there have been good years in most areas the Northumberland Strait has shown nothing; and 3) green crab surveys have been conducted since 1998 in every bay and estuary. The surveys show the crabs are moving slowly westward.

FISHERIES AND OCEANS CANADA:

Michel Goguen, Canadian Hydrographic Service, reported the following:

- The loading of the bathymetric data inventory into the CARIS Bathy Data Base (BDB) is progressing well. All the data has been digitized and being normalized (horizontal and vertical datums) prior to loading.
- CHS nationally is exploring web based interfaces to provide Canadians with easier access to data holdings.
- CHS had a LIDAR (Fugro) project of the south coast of Nova Scotia (Mahone Bay to Sherbrooke). The project was not overly successful due to weather and CHS anticipates having another project this fall to complete this scope of work.
- CHS also looks forward to experimenting with the LIDAR being purchased by COGS (Tim Webster) later this year.
- Field surveys this summer will focus on Mahone Bay and Halifax Harbour and entrances.

- There is also significant effort being dedicated to the “Continuous Vertical Datum” project. The first model for the Atlantic Region has been generated and is being refined with field observations this summer. Dr Phil MacAulay is managing this project for the Atlantic Region.
- CHS does seek collaborators to leverage LIDAR projects along the South Shore of Nova Scotia (2013-14) and the Northumberland Strait (2014-15). As the mobilization is significant any additional funding brings a great return on investment.
- Michel is planning to participate in the LIDAR panel at COASTGIS in Victoria.

Tim Hall, DFO Maritimes, reported the following:

- Draft Regulatory intent for St. Ann’s Bank Area of Interest was presented to the Advisory Committee in early April. Currently evaluating input for inclusion in the recommendation for MPA establishment that will go to the minister in the spring / summer 2013.
- The “Review and evaluation of the Eastern Scotian Shelf Integrated Management (ESSIM) Initiative” is now available online. The ESSIM Initiative was the first integrated oceans management initiative with an offshore focus under Canada's Oceans Act. This report presents the results of a comprehensive evaluation and review of the ESSIM Initiative - <http://waves-vagues.dfo-mpo.gc.ca/waves-vagues/search-recherche/display-afficher/348379>.
- The Oceans and Coastal Management Division will be hosting a series of public workshops this fall in NB, NS and the Halifax Regional Municipality. Objectives are to 1) release DFO’s Regional Oceans Plan and 2) Launch Bioregional MPA network planning area.
- Reminder of the State of the Scotian Shelf (<http://coinatlantic.ca/index.php/state-of-the-scotian-shelf>) and the State of the Gulf of Maine (<http://www.gulfofmaine.org/2/resources/state-of-the-gulf-of-maine-report>) Reports. Handouts were distributed.
- The Coastal Zone Canada 2014 conference is scheduled for 15-19 June 2014 in Halifax, Nova Scotia. The conference theme is: Our Coasts: Legacies and Futures, and this is the 11th conference in the series that began in Halifax in 1994. The call for special sessions will be distributed in early June; the deadline for submissions will be early August. The fall for abstracts will be distributed in the early fall. See the conference website for more details and updates, as well as links to social media sites: <http://www.czca-azcc.org/czc-zcc2014>.

INSTITUTE OF ISLAND STUDIES, UPEI: Irené Novaczek, Director, reported the following:

- Recent activities include: two climate change adaptation projects for PEI in progress; various public policy and education activities on governance, landuse, fisheries, environment, and energy; a Canadian Water Network groundwater pollution project; and a publication on the history of Environment in PEI. These projects all involved collaboration with other organizations at the regional and international scales; with universities, non-governmental organizations and governments.
- Funding for the Institute of Island Studies by UPEI has been diminished, activities are winding down and the future is uncertain.

ENVIRONMENT CANADA:

Kathryn Parlee, reported the following:

- The International Joint Commission's St. Croix River Watershed Board works with basin stakeholders to help prevent and resolve environmental disputes. It reports on compliance with water quality objectives, pollution control programs and fishery restoration efforts. In addition, the Board ensures that privately owned dams on the St. Croix River at Forest City, Vanceboro, Grand Falls and Milltown are operated consistent with conditions set by IJC orders of approval. On June 17th the International St. Croix River Watershed Board held its annual St. Croix public meeting in St. Stephen, N.B. This meeting was an opportunity to meet IJC Commissioner Mr. Rich Moy and St. Croix Board Co-Chairs Colonel Charles Samaris and Mr. Bill Appleby. Guest speaker Jonathan Carr, fisheries biologist of the Atlantic Salmon Federation, also provided an informational presentation on "Restoration of alewife (gaspereau) in Maine and New Brunswick rivers".

- Environment Canada's Environmental Damages Fund (EDF) follows the Polluter Pays Principle to help ensure that those who cause environmental damage or harm to wildlife take responsibility for their actions. The EDF is a specified purpose account, administered by Environment Canada, to provide a mechanism for directing funds received as a result of fines, court orders, and voluntary payments to priority projects that will benefit our natural environment. Funds are disbursed in the geographic region (local area, region, province or territory) where the incident occurred and priority is given to restoration projects that address the damage caused by the original incident. The EDF website, at <http://www.ec.gc.ca/edf-fde/>, should be check periodically for funding opportunities that may become available in this region.

- Environment Canada's Wastewater Systems Effluent Regulations will be coming into force shortly. A timetable for the regulations and some general information is attached. The full *Wastewater Systems Effluent Regulations* can be found at *Canada Gazette*: <http://laws-lois.justice.gc.ca/eng/regulations/SOR-2012-139/FullText.html>



2012-09-12 WSER
101-1.pdf



2012-09-12 WSER
Timeline-1.pdf

Al Hanson, reported the following:

- Important Marine Areas for Migratory Birds in Eastern Canada -
http://coinatlantic.ca/documents/aczisc_meeting_presentations/69MAMB.pdf.

GOVERNMENT OF NOVA SCOTIA:

Bill Whitman, Department of Fisheries and Aquaculture, reported the following:

- The Nova Scotia Department of Fisheries and Aquaculture is in continuing transition to Cornwallis (Fisheries) and Shelburne (aquaculture). The Minister and Deputy Minister will be staying in Halifax. The coastal Secretariat will consist of three people. One will be hired in mid-July and three later in the summer.

COASTAL RESEARCH NETWORK: Mike Reid, reported the following:

- Currently the main CRN project is improvements to Coastbase (<http://www.coastbase.ca>) Improvements include adding a map to display results.
- A demonstration of Coastbase was given during the second day of the ACZISC meeting (see section 11).
- CRN Work is now looking at coastal access; the group is looking at what Maine has done with their accessing the Maine coast website - <http://www.accessingthemaine coast.com>.