

COASTAL ACTIVITIES IN ATLANTIC CANADA

Presentations and Roundtable

ACZISC Meeting #60

Date: Wednesday and Thursday, 12-13 May 2010

Location: DFO Class of 47 Boardroom, Queen Square
45 Alderney Drive, Dartmouth, Nova Scotia

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***PLEASE NOTE: “Coastal Activities in Atlantic Canada”
is a subset of the Minutes of ACZISC Meeting #60,
held on 10-13 May 2010 in Dartmouth, Nova Scotia.***

***To download the Minutes and Coastal Activity reports
of previous ACZISC meetings, access the ACZISC website at
<http://aczisc.dal.ca/docs-ACZISC.htm>.***

COASTAL ACTIVITIES IN ATLANTIC CANADA

PRESENTATIONS

- **State of the Gulf of Maine** by Jay Walmsley, Fisheries and Oceans Canada
- **Changing Climate in Atlantic Canada and Upcoming Regional Adaptation Collaborative (RAC) Projects** by Gary Lines, Environment Canada
- **Stuck in the Mud: Tales of the Petitcodiac** by Gary Bugden, Fisheries and Oceans Canada
- **Oceans Planning and Management: The Need for an Integrated Coastal and Marine Information System** by Darren Williams, Fisheries and Oceans Canada.

The presentations will be posted online at <http://aczisc.dal.ca/docs-ACZISC.htm>.

ROUNDTABLE REVIEW OF COASTAL ACTIVITIES and UPDATES ON ACZISC RELATED PROGRAMS

COINATLANTIC: Paul Boudreau, ACZISC Secretariat, reported the following:

- A Workshop, organized by the ACZISC, was held on 21 April 2010 at BIO to review and endorse a new geospatial search strategy for COINAtlantic. The new strategy will build on the GoogleEarth search tool to find KML, WMS and WFS map images that can be overlaid in internet browsers. The metadata search will focus on searchable text files in the form of KML and/or getcapabilities files that are accessible by Google. While tests have shown that all of the pieces of the new strategy exist and that it will result in a more robust discovery tool that can search many more websites, continued effort is needed to develop and implement the specific standards required to make it all work. The draft workshop report is available at <http://www.marinebiodiversity.ca/COINAtlantic/reference/Report on Geospatial Strategy Workshop.pdf>.
- A Marine and Coastal Rights Registry (Marine Cadastre) Workshop was held on 11 May to allow ACZISC members to provide input into the developing work of the National Task Team on the Marine Cadastre. The Workshop participants supported the development of a Marine and Coastal Rights Registry (MCRR) as one component of a National Integrated Marine and Coastal Information System. COINAtlantic will continue to represent the ACZISC on this task team to contribute and promote this work.
- There will be a number of sessions of interest to ACZISC members and COINAtlantic participants at the Coastal Zone Canada 2010 Conference, scheduled for 25-29 July 2010 in Charlottetown, PEI. These include the 'Workshop on Scoping a Marine and Coastal Rights Registry for Canada: Needs and Priorities' and the 'Workshop on Information Management for Integrated Coastal and Ocean Management'. The Conference program is available at <http://www.gov.pe.ca/czc2010/>.
- Work on COINAtlantic continues with additional information layers published and registered for access and use. Layers of interest include the license boundaries that

- are managed by the Canada - Nova Scotia Offshore Petroleum Board; the shellfish closure areas that are managed by DFO; and seabird databases managed by EC.
- ACZISC members are encouraged to identify and to contribute to the development of use cases that would demonstrate the applicability of COINAtlantic to ICOM in Atlantic Canada. Potential use cases that are already in development include aquaculture management, shellfish closures and protected areas management.

COASTAL ZONE CANADA 2010: Claudette LeBlanc, a member of the CZC 2010 Program Committee, briefed participants on the Conference, scheduled for 25-29 July 2010 in Charlottetown, PEI:

- The theme of the Conference is 'Healthy Oceans – Strong Coastal Communities: Voices for Change'.
- Activities include keynote addresses, paper and panel sessions, discussion cafés, workshops and field trips. Social networking will play a prominent communication role; these efforts are being coordinated by Paul Boudreau.
- Keynote speakers include Alanna Mitchell who will speak on 'The Crisis Facing the World's Coasts and Oceans' and David MacDonald on 'The State of Canada's Coasts and Oceans'. Alanna Mitchell, a science journalist and author, wrote the book 'Sea Sick: The Global Ocean in Crisis (2009)'. She was awarded the 2010 US Grantham Prize for excellence in environmental journalism. The Hon. David MacDonald is a former Member of the Parliament. He was the first chair of the House of Commons Environment Committee and he participated in the Earth Summit in Rio de Janeiro in 1992. He is organizing the first Parliamentary Forum on the health and future of the oceans, to be held in Ottawa this fall.
- Efforts are currently underway to identify a keynote speaker on 'Oil Spills and the Offshore and Coastal Environments'.
- Plenary panels will focus on 'The Challenges and Opportunities of Coastal Management in Canada'; 'Linking Land and Ocean Planning and Management' and 'Planning for the Impacts of Climate Change'.
- A Coastal Policy Planning charrette has been scheduled during the Conference. A charrette provides a work forum to collaboratively tackle specific issues in planning and design.
- The main Conference will be preceded by a Youth Forum on 23-25 July.

The CZC 2010 Conference program was reviewed - <http://www.gov.pe.ca/czc2010>.

ENVIRONMENT CANADA: Wayne Barchard, Coastal Communities and Ecosystems Division, reported the following:

- In 2009 the Canadian Council of Ministers of the Environment endorsed a national strategy to control municipal wastewater effluents.
- The federal government is committed to develop regulations under the Fisheries Act as their primary implementation tool.
- The proposed Wastewater Systems Effluent Regulations were published in the Canada Gazette in March 2010 with a 60-day review period - <http://www.gazette.gc.ca/rp-pr/p1/2010/2010-03-20/html/reg1-eng.html>. Final publication is expected in late 2010.
- The objective of the proposed Regulations is to reduce the risks to ecosystem

health, fisheries resources and human health by decreasing the level of harmful substances deposited to Canadian surface water from wastewater effluent.

- The regulations will apply to all systems depositing more than 10m³/day of effluent.
- Environment Canada will administer the regulations for federal facilities.

Marc Sheeran, Environmental Emergencies, reported the following:

- The Environmental Emergencies Section - Atlantic has continued to maintain the E-Map system but has not updated it. Personnel are integrating information into the ESRI-based national portal and migrating information to that system. Once complete, a systematic update will be initiated.
- Environment Canada is participating with the Canadian Space Agency under a three- year MOU in which E-Space will begin mapping coastal Labrador using RADARSAT imagery. This is part of a larger project to map parts of the Arctic.

AGRICULTURE AND AGRI-FOOD CANADA: Wendy Pratt, Agri-Environment Services Branch (AESB), reported the following:

- The Branch focuses mainly on agri-environmental issues and in the land/water interface. Workplan priorities include water supply, water quality, climate change and adaptation, and outreach.
- Projects being developed in the region focus on dykelands, nutrients in water, watersheds, riparian areas, water management and beneficial management practices.

AAFC hosted a Workshop on Climate Change Adaptation in Agriculture on 10-11 December 2009 in Moncton, NB. This was part of series of workshops being held across Canada to develop a climate change strategy and to identify priority actions for adaptation. The workshop series concluded April. A report will be issued.

- AAFC/AESB and ACZISC personnel held a successful meeting in Halifax in February. The AAFC/AESB personnel were Jamshed Merchant (ADM), Rick Butts (DG, Agri-Environmental Knowledge, Innovation and Technology Directorate), and Rollin Andrew (AAFC rep on the ACZISC).

FISHERIES AND OCEANS CANADA: Darren Williams, DFO Ottawa, Oceans Policy and Planning Branch, reported the following:

- The Oceans Policy and Planning Branch is involved in the development of tools for Integrated Management (IM), including Pathways of Effects (PoE) models from a cumulative analysis perspective.
 - o PoEs are graphic conceptual models that describe how human activities can cause change in an ecosystem and, in turn, have impacts on societies, cultures and economies.
 - o More focus is being placed on the socio-economics aspect of IM. A workshop on this topic was held in conjunction with the Ocean Management Research Network (OMRN) Conference in Ottawa last fall.
- A Marine and Coastal Registry (Marine Cadastre) Task Team has been established to prepare a business case for securing long term commitment for investment in the development of a national Marine Cadastre.
 - o The Task Team is co-chaired by Jean Gagnon, NRCan (Surveyor General Branch) and Darren Williams, DFO (Oceans Directorate). Other members

- include Jacques Grondin, Tim Hall and Paul Boudreau.
- An exploratory workshop was held yesterday (11 May 2010) at BIO to begin scoping the level of interest for a Marine Cadastre.
- The Marine Cadastre would build on initiatives such as COINAtlantic.
- The Marine Cadastre will be suggested as a topic for discussion by the federal Deputy Ministers Interdepartmental Committee on Oceans.
- Another Marine Cadastre workshop is being planned in conjunction with CZC 2010 in Charlottetown.

Tim Hall, DFO Maritimes Region, Oceans, Habitat and Species at Risk Branch, reported the following:

- The Stakeholder Advisory Council (SAC) of the Eastern Scotian Shelf Integrated Management (ESSIM) initiative will be meeting on 13 May. The main focus will be the preparation/validation of the 2010-2011 workplan and the results of the MPA Area of Interest (Aoi) consultations.
- The response to the public consultations on the potential Aoi for the Eastern Scotian Shelf has been mixed so far with some common advice and direction emerging - <http://www.mar.dfo-mpo.gc.ca/e0010385>. The results of the consultations will be used to advise the ESSIM SAC (13 May), DFO Regional Management (14 May), and the Regional Committee on Coastal and Ocean Management (RRCOM) (19 May). This will be followed by recommendations to the DFO Minister.
- A new national organization structure is being established for DFO. Oceans and Science have been joined nationally. Habitat and Species at Risk are now part of Ecosystems Operations Branch.
- A DFO strategic review is taking place this year. Its impact on the DFO Regions is yet to be determined.
- Members are encouraged to participate in the Government of Nova Scotia's consultations on its six priority coastal issues for coastal management: coastal development; working waterfronts; public coastal access; sea-level rise and storm events; coastal water quality; and sensitive coastal ecosystems.
- The Gulf of Maine Times is seeking financial partners to support its ongoing web publications - <http://www.gulfofmaine.org/times>. This offers supporting organizations an excellent opportunity for exposure.

Jennifer Hackett, DFO Maritimes Region, Oceans, Habitat and Species at Risk Branch, reported the following:

- Enhancement of Websites:
 - The DFO Maritimes Region web pages are being migrated to a web content management system which will make updating easier.
 - A new Government of Canada (GoC) oceans portal (website) will be officially launched on June 8th - World Oceans Day. The website will provide users with a one-stop-shop for all GoC oceans information - <http://www.oceans.info.gc.ca>.
- World Oceans Day 2010:
 - The theme of World Oceans Day 2010 is 'Oceans of Life'. Related websites include: http://www.un.org/Depts/los/reference_files/worldoceansday.htm, <http://www.theoceanproject.org/wod/index.php> and <http://www.dfo->

mpo.gc.ca/oceans/events-evenements/oceansday-journeesdesoceans/list-liste-eng.htm#events-evenements.

- Public World Oceans Day 2010 events in the DFO Maritimes Region include:
 - o Halifax Waterfront World Oceans Day Celebration on Friday, 4 June: The annual event organized by government, industry and NGO groups on the wharves behind the Maritime Museum of the Atlantic highlights interactive educational exhibits about Nova Scotia's oceans and coastal resources. The event includes live touch tank, demonstrations, etc.
 - o Fisherman's Cove Oceans Day Festival on Sunday, 6 June:
<http://www.fishermanscove.ns.ca>.
 - o McNab's and Lawlor's Island Beach Cleanup on Sunday, 6 June:
<http://www.mcnabsisland.ca>.
- Non-public World Oceans Day 2010 activities include:
 - o Participants in IOI-Canada's 30th Annual Training Programme on Ocean Governance will take part in a day long visit to BIO that will include presentations by various subject matter experts and focused tours of BIO.
 - o Several outstanding Grade 11 students taking the Oceans 11 course will receive their Awards and enjoy a tour of BIO. These annual awards are given by the Fishermen and Scientists Research Society to students who are nominated by their teachers.
 - o DFO and NB Tourism and Parks are involving local schools in a beach seine event at the Mactaquac Provincial Park Beach.
 - o Representatives from DFO Oceans and Conservation and Protection will be participating in activities organized by the Huntsman Marine Science Centre. This event will be held in conjunction with the first St. Andrews Seafood Festival - <http://www.standrewsseafoodfestival.ca>.
 - o DFO staff and local environmental groups will engage local schools in a beach cleanup event in the Yarmouth area.

Nick Palmer, Canadian Hydrographic Service Atlantic, reported the following:

- CHS has released 7 of 10 new nautical charts for Labrador. These products significantly increase safe navigation and lessen possibilities of environmental disasters. Improved vessel corridors cover the areas from Nain past the Torngat Mountain National Park up to Cape Chidley. CHS has received favourable comments on these products from tour and ecotourism operators, including Cruise North which plan excursions as far north as the Button Islands. Some 30 operators with northern cruise interests met in St. John's in 2008 at a NL Cruise Association meeting (CANAL).
- New editions of charts in the Bras d'Or Lakes are also planned as well as new charts for Canso/Chedabucto Bay. Client driven bathymetric surveys will also continue throughout the Maritimes and NL.
- Revisory surveys to update CHS products are planned for NS' eastern shore, south shore and St. Mary's Bay.
- In NL CHS will conduct multibeam surveys in the Fogo Island area in Notre Dame Bay and in western NL. CHS will work on the approaches to Corner Brook in the Bay of Islands and has planned collaborative surveys in the St. George's Bay area with NRCan.

- Further north CHS will improve on the navigational routes leading into Cartwright and continue an ongoing collaborative project on Makkovik Bank.
- Bathymetric surveys should proceed for LOMA (Large Ocean Mgmt Area) and Areas of Interest (Aols) surveys in St Anns Bank, Misaine Bank and the Avalon Basin.
- CHS' Quality Management System (QMS) was successfully re-registered nationally in its 10th year to the new ISO 9001:2008 quality standard.
- The 2010 Canadian Hydrographic Conference is scheduled for 21-23 June in Québec City - <http://www.chc2010.ca>.

PARKS CANADA: Rob Thompson, Atlantic Service Centre, reported the following:

- Bay of Fundy Regional Analysis Study:
 - o As mentioned at previous ACZISC meetings, Parks Canada is conducting a regional analysis study of the Bay of Fundy marine region. The study was contracted to the firm AECOM of Halifax.
 - o The study is the first of a five-step process to establish a national marine conservation area within the Bay of Fundy.
 - o To assist with communication on the nature of the study, Parks Canada recently sent letters to the RCCOM co-chairs - Serge Theriault, RDG, DFO Gulf Region, and Paul Lafleche, DM, NS Dept of Fisheries and Aquaculture. In addition, similar letters were sent to Harold Carroll, Director Parks and Recreation, NS Dept of Natural Resources, and Jean Stewart, Executive Director, Tourism Development and Operations, NB Tourism and Parks.
- Sable Island:
 - o On 25 January 2010, in Halifax, the Minister responsible for Parks Canada, and the Provincial Minister of Natural Resources signed a Memorandum of Understanding on the Establishment of a Federal Protected Area on Sable Island in the Province of Nova Scotia. The MoU outlined a process to designate the Island either as a national wildlife area under the Canada Wildlife Act, or as a national park under the Canada National Parks Act.
 - o A Task Group was formed and given three months to make recommendations as to the future designation, and twelve months to have a federal-provincial agreement ready for review and approval.
 - o Rob indicated that an announcement would occur soon on the designation. *(Update: On 18 May, the two Ministers accepted recommendations from the Task Group that Sable Island should become a national park and publicly announced their decision. Public and stakeholder consultations will now begin.)*

NATURAL RESOURCES CANADA: Bob Taylor, Geological Survey of Canada - Atlantic, reported the following:

- Offshore Geoscience Program (OGP): There are a number of thrusts to identify marine hydro-carbon resources and areas suitable for renewable energy; to facilitate their development; and to contribute to policy, regulation and the environmental assessment of these activities.
 - o Bay of Fundy: Multi-beam seabed mapping for the Bay of Fundy has been completed and the University of New Brunswick has produced a backscatter map of seabed sediment texture. Additional ground truthing of the seabed is

planned for 2011 if CSS Hudson is available. Modelling net sediment transport flux (using DFO current and tidal inputs and sediment texture information) has shown a strong correlation with seabed geomorphology. This helps to explain bedform genesis and mobility such as Banner Banks which form in the lee of headlands off Scots Bay and Advocate Harbour. The maps of tidal current and net sediment transport indicate the strongest currents (>5m/s) and sediment flux occur in Minas Passage; this has critical implications for planned tidal power installations. Contact: Brian Todd.

- Newfoundland-Labrador: A new multi-beam seabed survey is planned for St Georges Bay in the summer of 2010. Analysis of the mega-scale submarine landslide discovered in ~300 m of water northeast of Fogo Island continues. Some implications of tsunamis during the Holocene from submarine slides are being investigated. Contact: John Shaw.
- Climate Change Geoscience Program (CCGP) - Halifax Regional Municipality (HRM):
 - Estimates of extreme water levels in Halifax Harbour for climate change adaptation planning were presented to HRM council and released as GSC open file 6347. Rates of sea level rise (0.16, 0.59, and 1.3 m over ~100 years) were combined with regional subsidence and extreme water levels for 2-, 10-, and 50-year events in Halifax Harbour. The resulting water levels were applied to the LiDAR digital elevation model to visualise the extent and depth of flooding for each event. Contact: Don Forbes.
 - A bathymetric survey was conducted and three temporary water level gauges were deployed in Cole Harbour estuary in 2009 in support of a hydrodynamic modelling study initiated by HRM to evaluate the feasibility of various maintenance options for the Saltmarsh Trail and the management of other activities in the estuary. Contact: Gavin Manson.
 - The implications of repairing the breach of a high gravel barrier beach during the 2 January 2010 storm in HRM was the focus of recent shore surveys. COASTWEB is currently being updated as a result. The impacts of Hurricane Bill (Aug 2009) on the coast of Nova Scotia is available at http://gsc.nrcan.gc.ca/coast/storms/index_e.php#bil. Contact: Bob Taylor.

The following notes were provided (post-meeting) by Trevor Rankin, GeoConnections:

- The recently-announced 2010 federal budget renewed funding for the GeoConnections program. The budget provides \$11 million in funding over the next two years to continue development of the Canadian Geospatial Data Infrastructure (CGDI) and to provide geographic information to Canadians via the Internet.
- GeoConnections will provide leadership and coordination and will continue to work with stakeholders to develop and promote policies and standards to support the use of geospatial information.

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR: Bobbi Smith, Department of Fisheries and Aquaculture (DFA), reported the following:

- The discussion paper on the development of a strategy for coastal and oceans management in the Province is in the final review process and is expected to be released in June for public input. The paper will be available on the DFA website.
- Coastal Management Areas Activities:
 - o Coast of Bays: An oceans conference held in April included presentations on marine debris, waste management, aquatic invasive species and bay management.
 - o Placentia Bay Integrated Management Planning Committee: A meeting scheduled for 26 May in Arnolds Cove will feature an update on the Fluorspar Project in St. Lawrence.
 - o Great Northern Peninsula ICZM: DFA and DFO NL have collaborated with the committee for Data Collection on Significant Marine Areas of High Biodiversity along the Northern Peninsula. Features mapped include artefacts, eelgrass, ecological reserves, lobster, seabird nesting, etc.
 - o Bay of Islands: Ongoing projects include mapping ocean currents with the NL Dept of Environment and Conservation, and a wolfish and shark project with the Federation of Newfoundland Indians.
 - o Bay St. George/Port au Port Peninsula: There are plans to develop a digital map of the area, to include areas of ecological importance.
- Large Ocean Management Areas (LOMAs):
 - o Placentia Bay/Grand Banks: Current efforts are focused on an IM plan. The Conservation Objectives and Socio-Cultural-Economic working groups have merged. A Seabed Mapping Workshop is scheduled for 10 June. The purpose of the Workshop is to increase awareness of the benefits of seabed mapping. Workshop recommendations regarding a systematic seabed mapping program for the LOMA will be made to the chair of the PBGB LOMA committee.
 - o Gulf of St Lawrence Integrated Management (GOSLIM): The conservation objectives for the ecologically and biologically significant areas (EBSA) of the estuary and Gulf of St. Lawrence have been published - http://www.dfo-mpo.gc.ca/csas/Csas/Publications/SAR-AS/2009/2009_049_E.pdf.
- Marine Protected Areas:
 - o A review of the Gilbert Bay Marine Protected Area monitoring indicators, protocols and strategies, and an assessment of the Gilbert Bay cod population are available online. A review for the Eastport MPA is expected IN mid 2010.
 - o The Technical Experts Committee (TEC) is currently working on an MPA Spotlight report to highlight the importance of MPAs and to identify all federal, provincial and territorial MPAs across Canada.
- The Canada-Newfoundland and Labrador Committee on Oceans Management (CNLCOM) held its latest meeting on 23 February. There is no scheduled meeting for the Regional Oversight Committee on Oceans Management (ROCOM) at this time.
- DFA, DFO NL, CPAWS-NL, WWF, PCA, EC and FFAW have organized a province-wide art contest for kindergarten to grade 12 students to celebrate World Ocean Day 2010. A family event has also been planned for 5 June at DFO White Hills. The Facebook website for World Oceans Day in St. John's includes a

schedule of events -

<http://www.facebook.com/home.php?#!/group.php?gid=124288307584080>.

GOVERNMENT OF NOVA SCOTIA: Ed Light, Service Nova Scotia and Municipal Affairs, reported the following:

- The Spring Into Geomatics 2010 Conference, sponsored by GeoNOVA and GANS, was held on 11 May in Truro. The Conference was attended by 150 people and was well received by the participants.
- The GeoNOVA website is being redesigned to be more citizen user-centric – <http://geonova.ca>.
- GeoNOVA has met with the NS Provincial Ocean Network (PON) to discuss the addition of a coastal component for Nova Scotia in GeoNOVA.
- A new data sharing model has been approved for GeoNOVA. The model is currently undergoing a final legal review.
- The user requirements for a province-wide information infrastructure are almost complete. Consultations are taking place and the requirements for hardware, software, etc. will be formulated.
- GeoNOVA will be implementing a social networking function to provide a discussion / collaboration space for the geomatics community in an effort to increase input and reduce meeting requirements.

COASTAL ZONE CANADA ASSOCIATION and MEMORIAL UNIVERSITY: Grant Gardner reported the following:

- The '5th Global Conference on Oceans, Coasts and Islands' convened from 3-7 May in Paris, France - <http://www.globaloceans.org>. The Conference, which attracted over 800 experts from approximately 80 countries, focused on three key theme areas: Ensuring Survival; Preserving Life; and Improving Governance. Canadian representation was unfortunately limited; however, Canada was a sponsor and Jake Rice from DFO was a keynote speaker.
- Conference participants provided evidence of excellent coastal management initiatives, but it was also made evident that we are falling behind in our efforts to understand and adapt to the significant global changes that are impacting coastal zones. Small Island Developing States (SIDS) were cited as a good example, as they are living with the consequences of climate change now. Some SIDS are barely 2m above sea level, and predictions for sea level rise by the end of this century suggest that increases of that magnitude may be seen. Those states are in a situation in which their only alternative may be to relocate the entire country. They are further impacted by changes in sea temperature and ocean acidification that are threatening their livelihoods.
- The Conference Co-Chairs issued a statement recommending that a comprehensive ocean and climate initiative be launched as soon as possible to investigate mechanisms to mitigate and adapt to climate change, including public education and awareness. That initiative should take place both within and outside of the UN Convention on Climate Change negotiation process. They further recommended that the proposed Intergovernmental Platform for Biodiversity and Ecosystem Services (IPBES – a structure analogous to the Intergovernmental Panel on Climate Change)

be promoted. The IPBES would serve to promote exchange between policy makers and scientists.

- A further focus of discussions was the management of areas that lie beyond national jurisdiction, where there is also a strong need for ecosystem-based management policies and cooperation among coastal states.

BAY OF FUNDY ECOSYSTEM PARTNERSHIP, INTERNATIONAL OCEAN INSTITUTE - CANADA AND DALHOUSIE UNIVERSITY:

Peter Wells reported the following:

- BoFEP is a virtual institute that focuses on the Bay of Fundy and its watersheds. It is dedicated to promoting the conservation, protection and restoration of the ecosystem, in support of the social well-being and economic sustainability of its coastal communities.
- The 8th Bay of Fundy Science Workshop was held in May 2009 in Wolfville, NS - see Workshop proceedings at <http://www.bofep.org/PDFfiles/BoFEP8thproceedings.pdf>. The 9th BoFEP Workshop will be held in 2011, possibly in conjunction with the annual meeting of the Atlantic Canada Coastal and Estuarine Science Society (ACCESS).
- A Workshop on the 'Threats to the Health of the Bay of Fundy' was organized by BoFEP on 30 April 2010 in St. Andrews, NB. The Workshop focused on potential problems posed by pollutants. A second workshop will be organized this fall.
- The BoFEP Fundy Issues fact sheets describe environmental issues in the Bay. Issues currently in preparation include 'The Fabulous Fossils of Fundy' and an update of 'Climate Change and the Bay of Fundy'. The fact sheets are available at http://www.bofep.org/fundy_issues.htm.
- BoFEP and the ACZISC are participating with Dalhousie University in a SSHRC-funded research study on the use of environmental information and its influence. Project activities will include the analysis of a number of user needs studies.
- The paper entitled 'Maximizing the Benefit of Research Information for Researchers, Research Managers, Entrepreneurs and the Public', co-authored by Bertrum MacDonald and Peter Wells, was presented this week at a workshop in Rome.
- Peter will be serving as the Ocean Sciences Module Leader for the 2010 IOI-Canada Training Programme on Ocean Governance.

OCEAN SCIENCE AND TECHNOLOGY PARTNERSHIP: Brad Fay, the ACZISC representative on the OSTP, reported the following:

- The OSTP is an independent, federally incorporated, non-profit corporation developed with the support of Canada's Oceans Action Plan.
- The mission of the OSTP is: to capture the links between ocean science researchers and technology innovators; to encourage linkages between regional and national networks, information sharing and awareness building; to encourage and support collaboration to build and commercialize technology; and to present a national voice for the ocean technology community - <http://www.ostp-psto.ca>.
- The OSTP and DFO, through the Canadian Space Agency Government Related Initiatives Program (GRIP), are developing a Canadian oceans observing systems (OOS) inventory. The project is cataloguing each of the subsystems of existing

OOS, including information on what is observed; what is being used to observe; how data are modeled or analyzed; what data is being made available to whom; and how the information is being maintained, updated, archived and managed. The project will be completed in September 2010. The project report will be made available.

KOREA MARITIME INSTITUTE: Jiyeon Choi, Senior Researcher, Marine and Coastal Policy Division, Korea Maritime Institute, reported the following:

- Jiyeon is currently a Visiting Scholar at IOI-Canada (January to December 2010). She is a Senior Researcher with the Marine and Coastal Policy Division of the Korea Maritime Institute in Seoul, Republic of Korea.
- Research carried out by the Coastal Policy Division includes marine policy development, ecosystem protection, and integrated coastal management (ICM). In the Republic of Korea, ICM is a shared responsibility of the national and local governments.
- Jiyeon's research has focussed on: 'Survey of the Coastal Condition of Korea', 'An Integrated Approach to Management of Land and the Coastal Zone', 'Development of Coastal Indicators and Survey Guidelines' and 'Studies on Inventories and a Sustainable Use of Tidal Flats in Korea'. In addition to these topics, her research interests include human-environment relations and conflict management.
- Jiyeon will be a participant in the 2010 IOI-Canada the Training Programme on Ocean Governance: Policy, Law and Management.
- Jiyeon will be presenting a paper entitled 'The Indicators Framework for Evaluating Integrated Coastal Management in Korea' at the Coastal Zone Canada 2010 Conference.

SOUTHERN GULF OF ST LAWRENCE COALITION ON SUSTAINABILITY: The following notes were provided (post-meeting) by Chantal Gagnon, Coalition-SGSL:

- The AGM of the Coalition-SGSL will take place on 11-12 June 2010 in Chéticamp, NS. The event will include presentations on the Community Aquatic Monitoring Program (CAMP) and Coastal Erosion Monitoring in NB, NS, PEI and QC.
- Thirty portable bilingual signs have been produced to provide information on the CAMP project at each of the monitoring sites. These are intended to inform the local residents of the project, attract more volunteers and increase the visibility of CAMP. The signs can also be displayed at various events by the community groups. The CAMP participants have been surveyed to develop a Volunteer Recruitment Strategy for the Coalition; the Strategy will be made public in June.
- The Coastal Erosion Monitoring and Awareness Pilot project has come to an end with a final online training session for the Sustainability Regional Atlas as a tool for overlaying geographic and data layers for the region - <http://coalition-sgsl.ca/atlas.php>. A coastal erosion information brochure has been designed and will be distributed to the communities. A bilingual presentation for municipal planners may also be developed.
- The videos from the Coalition's second project with Status of Women Canada 'Women in Coastal Communities – Using easy tools to better understand finances' were finished and posted at <http://coalition-sgsl.ca/Women.php>.

- A new poll on Fossil Fuel Exploration in the St. Lawrence waterways (River, Estuary and Gulf) was added to the website at <http://www.coalition-sgsl.ca/polls.php>.
- The Coalition-SGSL has received approval from the Coastal Communities Challenges - Community University Research Alliance for a five year community-research project. The project will focus on participatory action research with coastal communities in the estuary and Southern Gulf of St. Lawrence with the ultimate objective of assisting in the development of resilient coastal communities - <http://www.coastalcommunitieschallenges.org>.
- Chantal will be making a presentation at the Coastal Zone Canada Conference entitled 'Ten years of bridging land and sea: snapshots of a collective and regional approach to sustainability in a coastal zone'.
- The Coalition office has been moved to the Shippagan campus of the Université de Moncton in the Acadian Peninsula. The new address is:
 - Coalition-SGSL
 - 047b Pavillion Irène Léger
 - Université de Moncton
 - Campus de Shippagan
 - 218 boul. J.D. Gauthier
 - Shippagan, NB E8S 1P6.
- The Université de Moncton, Campus de Shippagan offers a Bachelors degree (French) in Integrated Coastal Zone Management - <http://www.umoncton.ca/umcs>.