

MINUTES OF ACZISC MEETING #60

Atlantic Coastal Zone Information Steering Committee

Date: Wednesday and Thursday, 12-13 May 2010
Location: DFO Class of 47 Boardroom, Queen Square
45 Alderney Drive, Dartmouth, Nova Scotia

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

Name	Affiliation	Tel. No.
Wayne Barchard	Environment Canada, Environmental Protection Operations (for Larry Hildebrand ¹)	902-426-4695
Jennifer Barr	ACZISC Secretariat	902-494-1980
Bill Blight ¹	Public Works and Government Services Canada, Real Property Geomatics Services	902-496-5160
Paul Boudreau	ACZISC Secretariat, COINAtlantic	902-494-7452
Ross Boutilier	Natural Resources Canada, Geological Survey of Canada Atlantic	902-426-9999
Gary Bugden	Fisheries and Oceans Canada, Coastal Ocean Science Section	902-426-5745
Michael Butler ²	ACZISC Secretariat and International Ocean Institute - Canada	902-494-1977
Jiyeon Choi	Korea Maritime Institute and International Ocean Institute - Canada	902-494-6148
Brad Fay ^{1, 3}	Ocean Science and Technology Partnership and Interpretation Resources Inc.	902-477-0946
Grant Gardner ^{1, 2, 3}	Coastal Zone Canada Association and Memorial University	709-737-3259
Jennifer Hackett	Fisheries and Oceans Canada, Maritimes Region, Oceans and Coastal Management	902-426-1491
Tim Hall ^{1, 2}	Fisheries and Oceans Canada, Maritimes Region, Oceans and Coastal Management	902-426-4116
Bill Kelly	National Defence, Maritime Forces Atlantic, Formation Safety and Environment (for Carol Lee Giffin ¹)	902-721-8622
Claudette LeBlanc	ACZISC Secretariat	902-494-1977
Ed Light ¹	Service Nova Scotia and Municipal Affairs, GeoNOVA	902-424-0173
Gary Lines	Environment Canada, Meteorological Service of Canada, Climate Change Section	902-426-5739

PARTICIPANTS (cont'd)

<i>Name</i>	<i>Affiliation</i>	<i>Tel. No.</i>
José M'Bala	Natural Resources Canada, Surveyor General Branch (for Jacques Grondin ¹)	613-995-4572
Nick Palmer	Fisheries and Oceans Canada, Canadian Hydrographic Service Atlantic	902-426-8129
Wendy Pratt	Agriculture and Agri-Foods Canada, Agri-Environment Services Branch (alternate for Rollin Andrew ¹)	902-896-0336
Brent Rowley ^{1, 2, 3}	EIT Group	902-420-1435
Marc Sheeran	Environment Canada, Environmental Emergencies (for Roger Percy)	902-426-6196
Bobbi Smith	NL Department of Fisheries and Aquaculture (alternate for Nicole Hynes ¹)	709-729-0650
Bob Taylor ¹	Natural Resources Canada, Geological Survey of Canada Atlantic	902-426-7736
Eric Theriault ¹	Canada – NS Offshore Petroleum Board	902-496-0742
Rob Thompson ¹	Parks Canada, Atlantic Service Centre	902-426-3445
Jay Walmsley	Fisheries and Oceans Canada, Maritimes Region, Oceans and Coastal Management	902-426-6392
Peter Wells ¹	Bay of Fundy Ecosystem Partnership, International Ocean Institute - Canada and Dalhousie University	902-237-0600
Darren Williams	Fisheries and Oceans Canada, Oceans Policy and Planning	613-993-2287

1. WELCOME and INTRODUCTIONS

Mike Butler, Director, ACZISC Secretariat, called ACZISC Meeting #60 to order at 0915 hrs on Wednesday, 12 May 2010. He welcomed members and guests. A roundtable introduction of all of the participants followed.

Mike thanked Tim Hall for booking DFO's Class of 47 Boardroom for the meeting.

2. AGENDA and MINUTES

The provisional agenda for ACZISC Meeting #60 was reviewed and approved.

The draft minutes of ACZISC Meeting #59 (20-21 January 2010, Fredericton) were reviewed. A typo on page 20 was noted: **SABLE ISLAND PRESERVATION THRUST** should read **SABLE ISLAND PRESERVATION TRUST**.

Peter Wells added that the following Action Item had not been included in the minutes:

ACTION: *Peter Wells to discuss with the World Oceans Day organizing group his suggestion that they contact the Dalhousie School of Journalism to discuss the preparation of a video of Oceans Day celebrations by a student*

The draft minutes were approved with the above revisions. The final minutes will be posted at <http://aczisc.dal.ca/docs-ACZISC.htm>.

3. STATUS OF ACTION ITEMS

The action items from Meeting #59 were reviewed and will be discussed further under the relevant agenda item. All of the action items were either carried out or are in progress.

4. UPCOMING ACZISC MEETINGS

The upcoming ACZISC meetings are scheduled for:

- 22-23 September 2010: Meeting #61, Charlottetown, PEI (rescheduled for 7 October)
- 26-27 January 2011: Meeting #62, St. John's, NL
- 18-19 May 2011: Meeting #63, Fredericton, NB
- 14-15 September 2011: Meeting #64, Halifax, NS

5. ACZISC ADMINISTRATION AND OPERATION

ACZISC MEMBERSHIP: The following change in membership was announced:

- **New Brunswick Department of Environment:** Robert Capozzi, Coastal and Marine Planner, has joined Jane Tims in representing the Department on the ACZISC.

The list of ACZISC members was distributed. Members were asked to review their contact information and to email the Secretariat if changes are needed.

ACZISC BUDGET, FINANCIAL REPORT AND FUNDING: The ACZISC Association 2009-2010 year-end financial report (to 31 March 2010) and the proposed 2010-2012 budgets were distributed and reviewed. Mike Butler reported:

- There was a carry over of \$46,742 from last fiscal year to 2010-2011, primarily as a result of the COINAtlantic project revenue earned by the Secretariat. However, the final payment from GeoConnections is not expected until July or August.
- Members were reminded to pay their membership dues ASAP to avoid cash flow problems.

ACTION 60.1 *Members to pay their 2010-2011 dues ASAP to ensure adequate cash flow*

Mike briefed participants on the ongoing contract that the ACZISC has with the International Ocean Institute-Canada. The ACZISC is paid \$50K per year (+ expenses) for him to serve as the half-time Director of the Institute.

- IOI-Canada's major activity is organizing and delivering the annual 8-week 'Training Programme on Ocean Governance: Policy, Law and Management'. Current activities are focused primarily on delivering the 2010 Training Programme, scheduled for 19 May to 16 July. The course will be attended by 13 participants from developing countries and delivered *pro bono* by over 80 lecturers, including a number of ACZISC members - see <http://internationaloceaninstitute.dal.ca> for details.
- The Institute will be holding its 6th annual Elisabeth Mann Borgese Ocean Lecture on 8 June. Dr Susan Lieberman, Director, International Policy, the Pew Environment Group, Washington will be speaking on 'Science versus Politics: Tales from CITES'.
- IOI-Canada has partnered with the Maritime Museum of the Atlantic to organize and deliver Halifax's First Oceans Film Festival on 29-30 June.
- IOI-Canada is currently housed at 1226 LeMarchant Street, Dalhousie University. The other occupants are the ACZISC Secretariat, the Coastal Zone Canada Association Secretariat and Dalhousie's Office of Sustainability. The building will be demolished early this fall to make room for a new residence/office building. Discussions are ongoing with Dalhousie University regarding a new location; one possible option is a house on the corner of Coburg and Oxford Streets which has enough office space for everyone. A decision is expected early this summer.

ACZISC WORKPLAN: Members reviewed the ACZISC 2009-2010 year-end Workplan and the proposed 2010-2011 Workplan and, in particular, the status of activities and deliverables. Mike Butler stated that the Workplan activities and deliverables are based on the thrusts and enabling objectives identified in the ACZISC Strategic Plan. He also noted that the 2010-2011 Workplan would be developed further by the Secretariat with input from members.

ACZISC COMMUNICATIONS: Mike Butler reviewed the main ACZISC 'communication tools'.

- A process has been initiated to 'revitalize' and merge the ACZISC and COINAtlantic websites as a one-stop shop that would better support the information needs of ICOM practitioners in Atlantic Canada.
- ACZISC Meetings continue to be an excellent forum for information exchange and 'intelligence' gathering. The minutes are a valuable source of information, both current and historical, on coastal activities in Atlantic Canada. The documents associated with the meetings - the minutes, the roundtable report of coastal activities and the presentations - are posted at <http://aczisc.dal.ca/docs-ACZISC.htm>.
- The ACZISC Coastal Update e-newsletter highlights research, documents, resources, events, and opportunities related to ICOM. It continues to be distributed worldwide each month via email (currently 5,417 recipients are on the distribution list). The Coastal Update is also posted at <http://aczisc.dal.ca/update.htm>.

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.

ACTION 60.2 *Participants to advise Paul Boudreau ASAP of RFPs and potential collaborative and funding opportunities to further develop COINAtlantic - COINAtlantic@dal.ca*

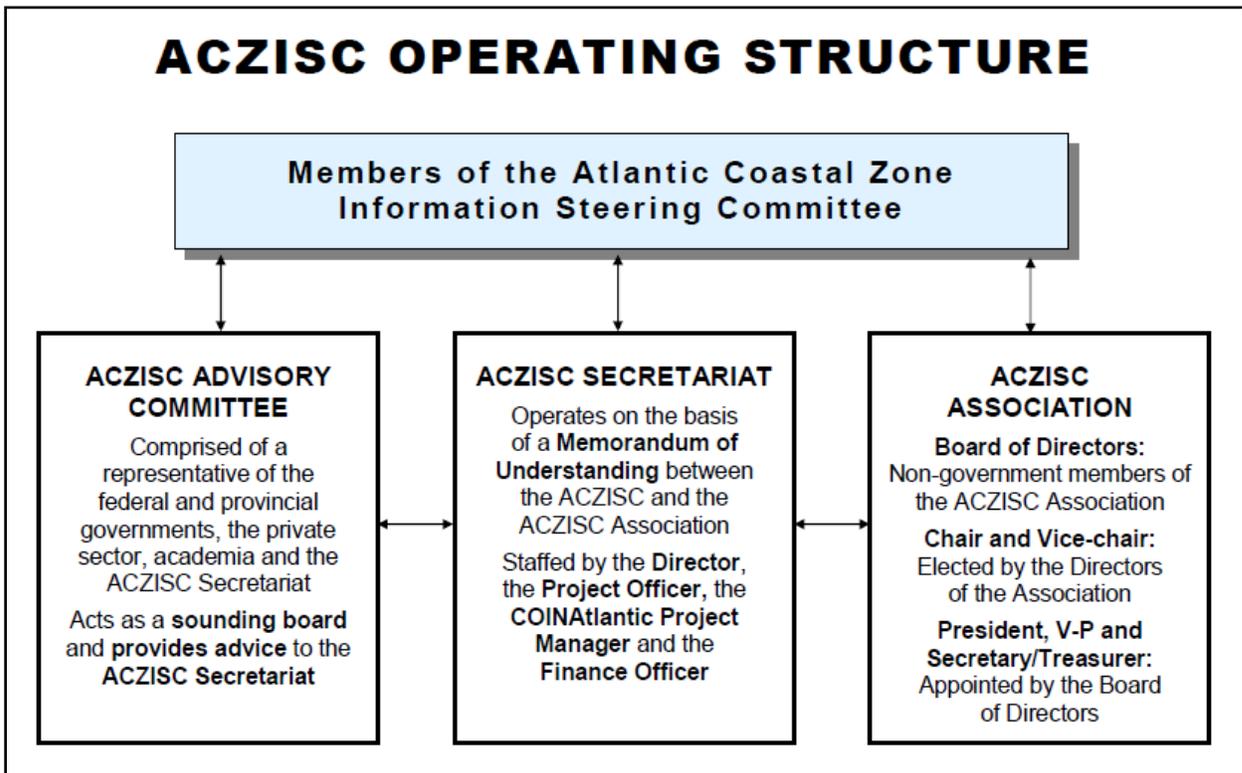
ACTION 60.3 *Participants to contact Paul Boudreau to discuss publishing WMS/WFS layers for access by COINAtlantic*

ACTION 60.4 *ACZISC Secretariat to continue its efforts to make COINAtlantic presentations to ICOM and geomatics-related organizations and groups in Atlantic Canada*

ACZISC ASSOCIATION: The ACZISC Association was established in 2003 to act as the **legal entity and fiscal agent for the ACZISC Committee**, established in 1992. The Directors of the ACZISC Association are: Norval Collins, Brad Fay, Grant Gardner, Randy Gillespie, and Brent Rowley (chair). The **5th Annual General Meeting of the Association** is taking place this afternoon from 1640-1740 hrs in the Class of 47 Boardroom. Everyone is welcome.

ACTION 60.5 Secretariat to organize a meeting of the ACZISC Association Board of Directors prior to next ACZISC meeting

Mike reviewed the ACZISC structure diagram (below) which portrays the relationship between the ACZISC Committee, the ACZISC Association, the Advisory Committee and the Secretariat. He explained that the ACZISC Committee and the Association were two separate 'bodies' and that membership in the Committee does not automatically result in membership in the Association. Membership in the Association is free - a membership form is available at http://aczisc.dal.ca/Association_form.doc.



6. PRESENTATIONS AND DISCUSSION

- **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>.

7. 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 - see <http://www.gov.pe.ca/czc2010> for details. Members were encouraged to participate in the Conference and to publicize the event.

ACTION 60.6 *Members to consider participating in CZC 2010 and to 'publicize' the Conference via their networks*

8. ROUNDTABLE REVIEW OF COASTAL ACTIVITIES and UPDATES ON ACZISC RELATED PROGRAMS

Mike Butler invited participants to provide an overview of programs and activities within their jurisdiction related to ICOM, geomatics and coastal mapping. He requested that notes be provided to the Secretariat to assist with the preparation of accurate minutes and the report of coastal activities. These documents will be posted in the **ACZISC documents section of the website** – <http://aczisc.dal.ca>.

ACTION 60.7 *Participants to email notes re their roundtable presentation to Claudette LeBlanc prior to 28 May 2010 - leblancc@ca.inter.net*

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.

- 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.
- 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.
 - 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:
 - o The DFO Maritimes Region web pages are being migrated to a web content management system which will make updating easier.
 - o 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:
 - o 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.
 - o 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):
 - o 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.
 - o 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.
 - o 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>.

9. **MERGED ACZISC AND COINATLANTIC WEBSITES**

Claudette LeBlanc and Paul Boudreau reported on plans to merge and enhance the current ACZISC (<http://aczisc.dal.ca>) and COINAtlantic (<http://coinatlantic.ca>) websites. The goal is to provide a 'one-stop shop' website to better support the information needs of ICOM practitioners in Atlantic Canada. The 'new' revitalized ACZISC website will also meet the 'administrative' requirements of the ACZISC and the Secretariat.

A web content management system (WCMS) will be used to facilitate maintenance, updating, etc. Discussions have been initiated with a web designer/WCMS instructor. However, it was noted that further action would depend on the availability of resources.

Participants were briefed on the discussions leading to the decision to create the new website, including:

- a proposal presented by the ICOM Working Group at ACZISC Meeting #57 (13-14 May 2009, Charlottetown)
- a workshop on 26 August 2009 at BIO to Determine the Online Needs of ICOM Practitioners (<http://aczisc.dal.ca/WebsiteWkspRpt.pdf>)
- a workshop on 21 April 2010, also at BIO, to finalize the information content of the new ACZISC/ COINAtlantic integrated website.

ACTION 60.8 *Subject to the availability of resources, Secretariat to initiate the design and the implementation of the 'new' merged ACZISC / COINAtlantic website*

10. **ACZISC TRANSITION**

In January, Michael Butler, Director and Claudette LeBlanc, Project Officer, announced their retirement from the ACZISC Secretariat effective 31 August 2010. (Their last working day will be July 31st as they will be taking their accumulated vacation time during the month of August.)

Tim Hall reported that an ACZISC Transition Planning Team was established to formulate a plan for the transition. The Team consisted of: Brad Fay, Jacques Grondin, Tim Hall, Matthew Hardy, Larry Hildebrand, Justin Huston, Brent Rowley, Rob Thompson and the Secretariat staff: Jennifer Barr, Paul Boudreau, Michael Butler and Claudette LeBlanc.

The Team met on a number of occasions since January 2010 to consider:

- ACZISC Products and Services: The Team recommends that the ACZISC continue its 'core functions' at a minimum, *i.e.* those required to maintain a stable and useful organization. They include regular meetings, records of meetings (*i.e.* minutes, agendas, archive of "corporate memory" etc.), communication tools (*i.e.* Coastal Update e-newsletter, website, etc.), and financial management / business and strategic planning. Non-core functions which support the mandate of the ACZISC should be actively pursued if additional resources can be secured.
- Future Location of the Secretariat: The Team recommends that the ACZISC Secretariat continues to be based at Dalhousie University. Benefits include the co-location with like-minded organizations such as IOI-Canada and the Coastal Zone Canada Association; in-kind contributions from Dalhousie University; and independence from government.
- Business Case and Funding Model: The Team's recommendations are reflected in the proposed 2010-2012 budget, circulated earlier during the meeting and approved.
- Requests for Expressions of Interest (REIs) for the Director and Project Officer positions and pay ranges

The recommendations of the Transition Planning Team were discussed and endorsed by ACZISC members. The Secretariat was directed:

- to post the REIs on the ACZISC website and to email them to members for distribution to their networks
- to form a staff selection committee to include, at a minimum, a representative of the Steering Committee, the Board of Directors, the Advisory Committee and the Secretariat, and to hold interviews
- to organize a meeting of the staff selection committee to finalize the staffing and financial plans, subject to the approval of the Board of Directors.

It was noted that the ACZISC Association has the fiduciary responsibility for the ACZISC and is responsible for staffing and employment contracts. Brent Rowley, Chair of the Association Board of Directors, reported that he would be in communication with the Directors to brief them on discussions and to review the final staffing and financial plans.

ACTION 60.9 ACZISC Secretariat to post the REIs on the ACZISC website ASAP

ACTION 60.10 Secretariat to distribute the Request for Expressions of Interest (REIs) for the Director and the Project Officer positions to ACZISC members; members to distribute the REIs to their contacts and networks

- ACTION 60.11*** Michael Butler to organize a Staff Selection Committee to include, at a minimum, a representative of the Steering Committee, the Board of Directors, the Advisory Committee and the Secretariat, and to hold interviews
- ACTION 60.12*** ACZISC members wanting to be on the Staff Selection Committee to email Michael Butler by 20 June 2010 - michael.butler@dal.ca
- ACTION 60.13*** ACZISC Transition Planning Team to meet prior to mid-August to finalize the staffing and financial plans, subject to the approval of the Board of Directors
- ACTION 60.14*** Board of Directors to meet prior to the end of August to review the final staffing and financial plans of the ACZISC Transition Planning Team

11. ADJOURNMENT

ACZISC Meeting #60 adjourned at 1130 hrs on Thursday, 13 May 2010.