

MINUTES OF ACZISC MEETING #39

Atlantic Coastal Zone Information Steering Committee

Date: Thursday, 22 May 2003

Location: Interpretative Room, Old Government House
51 Woodstock Road, Fredericton, NB

PARTICIPANTS (¹ indicates ACZISC member; ² indicates Executive Committee member)

Name	Affiliation	Tel. No.
Cdr George Borgal ¹	National Defence, TRINITY, JOSIC	902-427-0550
Paul Boudreau	Fisheries and Oceans Canada, Maritimes Region, Habitat Management Division	902-426-7464
Michael Butler ^{1,2} , Chair	International Oceans Institute of Canada	902-494-1977
LCdr Janice Chisholm	National Defence, TRINITY	902-427-0550
Norval Collins ¹	Private sector - Champlain Inc	902-425-4802
Gerard Costello	Fisheries and Oceans Canada, Canadian Hydrographic Service (for Dick MacDougall ¹)	902-426-3463
Réal Daigle	Environment Canada, Meteorological Service of Canada	506-451-6007
Dolores Durant	Natural Resources Canada, GeoConnections	613-992-4333
David Finley ¹	Government of New Brunswick, Service New Brunswick	506-444-4644
Michel Goguen	Public Works and Government Services Canada, Spatial Technology Resources (for Bill Blight ¹)	506-851-6784
Leslie Grattan ¹	Government of Newfoundland and Labrador, Department of Environment	709-729-3782
Stephen Hartley	Association of NB Land Surveyors	506-458-8266
Larry Hildebrand ¹	Environment Canada, Sustainable Communities and Ecosystems Division	902-426-2131
Bill Horne ¹	Environment Canada, Environmental Emergencies Section	902-426-6196
Justin Huston ^{1,2}	Government of Nova Scotia, Department of Agriculture and Fisheries	902-424-2996
Marianne Janowicz ¹	Government of New Brunswick, Department of the Environment and Local Government	506-457-4846
Barry Jones	Gryffyn Coastal Management Inc	506-454-6108
Steve Kempton ¹	Fisheries and Oceans Canada, Canadian Coast Guard	902-426-6987
Claudette LeBlanc	ACZISC Secretariat	902-494-1977
John Legault ¹	Fisheries and Oceans Canada, Gulf Region, Oceans	506-851-6221
Geoff Lewis ¹	Industry Canada, Energy and Marine Branch	902-426-9475
Ed Light ¹	Government of Nova Scotia, Service Nova Scotia and Municipal Affairs	902-424-0173

PARTICIPANTS (cont'd)

Capt Paul Light	National Defence, Land Force Atlantic Area Headquarters	902-427-0550 (ext. 7264)
Rick Nyarady	Universal Systems Ltd / CARIS	506-458-8533
Jim Ramsay ¹	Government of Prince Edward Island, Provincial Treasury, Taxation and Property Records	902-368-4075
Carol Ann Rose ¹	Fisheries and Oceans Canada, Maritimes Region, Oceans and Environment Branch	902-426-2065
Andy Sherin ¹	Natural Resources Canada, Geological Survey of Canada	613-995-0525
Michael Sutherland	University of New Brunswick, Geodesy and Geomatics Engineering	506-451-6812
Cameron Wilson ¹	Natural Resources Canada, GeoConnections	613-996-6377
Paul Wilson	NB Department of the Environment and Local Government, Water and Marine Planning	506-457-4846

1. *WELCOME and INTRODUCTION OF PARTICIPANTS*

Mike Butler, ACZISC Chair, called ACZISC Meeting #39 to order at 0830 hrs. He welcomed members and observers and thanked Marianne Janowicz and David Finley for making the meeting arrangements and for providing the meeting room and the lunch. A roundtable introduction of all participants followed.

2. *ADOPTION OF AGENDA, and REVIEW AND APPROVAL OF MINUTES FOR MEETING #38*

The provisional Agenda for ACZISC Meeting #39 was reviewed. Mike Butler announced that, in order to accommodate recent changes in Réal Daigle's schedule, his presentation would be the next item on the agenda. The provisional agenda was approved (attached).

The draft minutes of ACZISC Meeting #38 were reviewed and approved as distributed. The minutes will be posted on the ACZISC website at <http://www.dal.ca/aczisc/docs>

3. *PRESENTATION*

IMPACTS OF SEA-LEVEL RISE AND CLIMATE CHANGE ON THE COASTAL ZONE OF SOUTHEASTERN NEW BRUNSWICK:

Mike Butler introduced Réal Daigle, Manager of the NB Weather Centre, who briefed participants on issues related to storm surges, sea-level rise and climate change in NB and provided an overview of the Sea-Level Rise Project. Copies of his overheads are attached. Réal reported the following:

- Climate change issues of concern in the coastal zone include: sea-level rise; storms and storm surge flooding; wave climate and shoreline erosion; the extent of sea ice and open water; geophysical, ecosystem and community impacts; and socio-economic responses to impacts.
- The project objective is to quantify the impacts of climate change and more specifically sea-level rise, storm surges and coastal erosion on the Gulf of St. Lawrence coastal zone of southeastern NB, in support of sustainable management, community resilience and the development of adaptation strategies.
- Project deliverables to policy makers and the local communities include: the identification of anticipated sea-level rise and storm surge effects in the coastal zone; assessment of associated impacts; better understanding of vulnerability in coastal communities and the impacts on residents' lives and livelihood; and the delineation of hazard zones and

- suggested adaptation strategies – protection, accommodation, and retreat or avoidance (applicable to the NB Coastal Areas Protection Policy).
- The operational phase of the project will officially start today (22 May) with the initial LIDAR data gathering helicopter flight. LIDAR data will be acquired for an area of approximately 263 sq. km along the coastal area from Shemogue Bay to Kouchibouguac National Park. -Additional data collection flights will take place this fall.
 - The project partners include: Environment Canada, Fisheries and Oceans Canada, Natural Resources Canada, Parks Canada, the New Brunswick government, Université de Moncton, University of New Brunswick, Mount Allison University, Centre of Geographic Sciences and Dalhousie University, in consultation with municipalities and planning commissions, and with additional financial support from the Government of Canada's Climate Change Impacts and Adaptation Program.
 - The final project report will be submitted on 31 March 2006.

Mike stated that the ACZISC had provided a letter of support for the project in October 2002, as per the request of John Parker, Meteorological Service of Canada.

4. STATUS OF ACTION ITEMS

The Action Items from Meeting #38 were reviewed. The Action Items carried out or in progress will be reported under the relevant agenda item. The following were not acted on and will be carried over:

Paul Boudreau to provide a list of historic and current studies to the Secretariat which identify users and user needs with regard to coastal data / information.

Paul stated that this action item was dependent on the completion of the U.S. Academy of Sciences study on the needs for spatial information in the U.S. coastal zone. The Academy study team has identified high priority needs, evaluated the potential for meeting these needs based on the current level of effort, and suggested steps to increase collaboration and ensure that the need for spatial information in the coastal zone is met. A draft report was circulated in March. The final report will be provided to the ACZISC after it is published.

ACTION 39.1: When available, Paul Boudreau to provide to the Secretariat for distribution to members the report on National Needs for Coastal Mapping and Charting in the US by the US Academy of Sciences

Brent Rowley, Bob Maher and Secretariat to complete the overview paper on the High Resolution Coastal Mapping Program by the next meeting

Mike Butler reported that his attempts to activate this action item had been unsuccessful to date. He expressed concern that the 'corporate memory' re the collaborative NS/PEI High Resolution Coastal Mapping Program would be lost. Ed Light and Justin Huston reiterated the importance of writing the overview paper. They suggested that they write a letter in this regard to Brent Rowley and Bob Maher, in discussion with the Secretariat.

ACTION 39.2: Ed Light and Justin Huston, in discussion with the Secretariat, to write a letter ASAP to Brent Rowley and Bob Maher stressing the importance and relevance of preparing an overview paper on the NS/PEI High Resolution Coastal Mapping Program

5. **SCHEDULE OF UPCOMING ACZISC MEETINGS**

The schedule of upcoming ACZISC meetings was discussed. The following dates were provisionally selected:

- 10-11 September 2003: ACZISC Meeting #40, Halifax, NS**
- 28-29 January 2004: ACZISC Meeting #41, Charlottetown, PEI**
- 19-20 May 2004: ACZISC Meeting #42, St. John's, NL**
- 15-16 September 2004: ACZISC Meeting #43, Fredericton, NB**

Larry Hildebrand noted the potential conflict with a workshop on the U.S. Environmental Protection Agency's role in the Gulf of Maine, 8-10 September 2003 in Boston and the Gulf of Maine Council meeting, 8-9 September in Saint John.

6. **ACZISC ADMINISTRATION**

ACZISC EXECUTIVE COMMITTEE: Mike Butler stated that the ACZISC Executive Committee consists of a representative from each sector represented on the ACZISC: academia (Lois Whitehead); federal departments (Carol Ann Rose); private sector (Brent Rowley); provincial governments (Justin Huston); and the Secretariat (Mike Butler). The Executive Committee provides advice to the Secretariat.

Justin Huston reported that the ACZISC Executive Committee met on 8 May 2003 at BIO. Carol Ann Rose, Brent Rowley, Mike Butler, Claudette LeBlanc and Justin were in attendance. The Executive Committee reviewed ACZISC funding, projects and contracts, the incorporation of the ACZISC Association, and membership. The report of the Executive Committee meeting of 8 May is attached.

MEMBERSHIP: Mike Butler announced changes in membership:

- **Environment Canada:** John Parker, Meteorological Service of Canada has replaced Dave Wartman. John is currently on paternity leave.
- **National Defence:** Cdr George Borgal will be retiring from National Defence on 2 July. His replacement will be Cdr Paul S. Earnshaw. On behalf of Committee, Mike expressed appreciation for George's dedication and contributions to the ACZISC during his term.
- **First Nations:** Mike added that efforts had been made to identify an official First Nations representative on the ACZISC. Ken Paul, the former FN representative on the ACZISC, has assisted by arranging a meeting with the Secretariat and First Nation representatives. First Nation participation will require an MoU which clearly indicates that any First Nation representation on the ACZISC would be "without prejudice" in regard to ongoing legal negotiations with the federal and provincial governments. Financial assistance to cover travel costs, etc. for FN representatives may also be required; the ACZISC is not able to offer this. Geoff Lewis stated that he would check if such funding might be made available through the Industry Canada Aboriginal Business Canada program.

ACTION 39.3: Geoff Lewis to check if funding can be made available from the IC Aboriginal Business program to support the participation of First Nation representatives at ACZISC meetings

Carol Ann Rose and Mike reported that that they had been in contact with the Office of Critical Infrastructure Protection and Emergency Preparedness (OCIPEP), ACOA and Health Canada re possible membership on the ACZISC. Communications will continue.

Other potential members identified include: the Canadian Environmental Assessment Agency, the Canadian Food Inspection Agency, the Canada Newfoundland Offshore Petroleum Board and Transport Canada.

An up-to-date list of ACZISC members and Executive Committee members is attached.

ACZISC SECRETARIAT: Mike Butler reported that the Secretariat is proposing minor updates to the Secretariat Operating Guidelines. The document (attached) was distributed.

ACTION 39.4: Members to comment on the proposed changes to the ACZISC Secretariat guidelines by 30 June 2003

As per an Action Item from ACZISC Meeting #37, Claudette LeBlanc reported that she had contacted Canadian Heritage re possible financial assistance for French translation for the ACZISC. Grants are available from the Department for simultaneous interpretation and translation of documents. Canadian Heritage can defray up to 50% of the total eligible costs to a maximum of \$5K. A cost estimate for translating ACZISC documents, website, etc. was distributed (attached). However, the current funding situation does not make it feasible to pursue this matter further at this time. Translation will be reviewed again at ACZISC Meeting #40 (10-11 September in Halifax).

INCORPORATION OF ACZISC ASSOCIATION: Copies of the proposed "Societies Act Memorandum of Association of ACZISC Association" and "By-law No. 1 of ACZISC Association" were distributed. The documents were prepared by David Copp, Barrister, in consultation with the Secretariat. Mike Butler stated that the Association is being established to act as a fiscal agent for the ACZISC. He requested that members review the documents and provide comments by the end of May. The incorporation of the ACZISC Association will only be finalized if members are in agreement.

Geoff Lewis enquired how long it would take to complete the incorporation process following approval by ACZISC members. Ed Light replied that it would take approximately 2 weeks to complete after the directors signatures have been obtained and submitted.

ACTION 39.5: Members to review and comment on the two ACZISC Association incorporation documents prior to 31 May 2003

As per an Action Item from ACZISC Meeting #38, Mike reported that he had made initial enquiries re the cost of liability insurance for the ACZISC Association directors. However, it is likely that this will be too expensive for the ACZISC to afford. Barry Jones stated that he had recently been involved with the incorporation of BoFEP Inc; liability insurance for the BoFEP directors was not purchased because of the high cost.

ACTION 39.6: Secretariat to further look ASAP into the cost of liability insurance for the Directors of the ACZISC Association

2002-2003 YEAR-END FINANCIAL STATEMENTS: Copies of the ACZISC Budget / Financial Statements for 2002-2003, as prepared by Jennifer Barr, the ACZISC Financial Officer, were distributed. Copies are attached. The statements were briefly reviewed.

PROPOSED 2003-2004 BUDGET: Copies of the proposed ACZISC 2003-2004 Budget and revenue summaries were distributed. Copies are attached.

Mike Butler reported the following:

- An ACZISC funding proposal was submitted to the Council of Atlantic Premiers (CAP), which represents the four Atlantic Provinces, in January 2003. The proposal was for \$70K per year over the three-year period beginning in fiscal year 2003-2004. This amount would have matched the contributions of the federal departments.
- Prior to submitting the proposal, the Secretariat met with senior personnel of the IGA

- departments and resource departments in each of the four Atlantic Provinces to seek support for the funding proposal to CAP. Their responses were favourable.
- The ACZISC funding proposal was considered by the CAP Steering Committee at a meeting held on 18 March. The CAP Steering Committee is composed of the four provincial Intergovernmental Affairs (IGA) Deputy Ministers and is chaired by Ed Cramm, the Secretary to CAP.
 - Ed Cramm subsequently reported on the meeting deliberations. The CAP Steering Committee is in favour of funding support for the ACZISC in principle. However, it decided that the funding should come directly from the resource departments and not from the CAP-administered regional funds. CAP volunteered to act as 'banker' for the Provinces.

Dave Finley reported on funding-related discussions at a meeting of the ACZISC provincial representatives held yesterday (21 May). Leslie Grattan, Justin Huston, Marianne Janowicz, Ed Light and Dave Finley were in attendance. A provincial funding commitment of \$22K was identified: \$10K from NL and \$12K from NS. The provincial reps recommended that a contingency plan be developed in view of the current provincial funding shortfall for 2003-2004. Other topics of discussion at the provincial meeting included:

- Canada's Ocean Strategy and the need to identify benefits from a provincial perspective and commonalities between the Atlantic Provinces, to determine provincial positions and work toward the establishment of Atlantic position (if feasible), and
- Geomatics and the need to understand where and how it fits into the ACZISC mandate.

Discussion:

Cameron Wilson: What steps should be taken to address the provincial funding shortfall? Pursue new sources of funding? Obtain additional members?

Marianne Janowicz commented that there seems to be an overall lack of understanding re ICM in the provincial bureaucracies. She suggested that funding might be available from high-level organizations such as the Climate Change Action Fund (CCAF). Andy Sherin replied that the CCAF does not fund Secretariat-type activities.

Leslie Grattan stated that a deputy minister should be identified in each Province to take the lead and collect funds for the ACZISC from the other departments. Leslie and Justin Huston volunteered to prepare a draft letter re a proposed provincial funding solution for the ACZISC and circulate it to the other provincial ACZISC members for review. Justin asked that the provincial members contact him with the names of key deputy ministers in their Province to approach re ACZISC funding. He stated that he would arrange for the distribution of the revised letter from NL and NS deputy ministers to the deputy ministers in NB and PEI.

George Borgal questioned why funding was not forthcoming from the Provinces. Jim Ramsay reported that there is a competitive process for dollars in the Provinces. He suggested that there be greater emphasis placed on the benefits of the ACZISC to the Provinces and more specifically on direct payback items. In the past CMP funding for the ACZISC was coordinated through the inter-provincial Maritime Geomatics Committee (MGC). The MGC has been replaced by Service Delivery. Currently ICM and geomatics are not on CAP's agenda.

Mike Butler stated that the provincial reps were the best 'proselytizers' within their province.

Barry Jones commented that 'champions' were needed for the ACZISC. The Gulf of Maine Council on the Environment has champions; this helps to ensure 'buy-in'.

George Borgal recommended that the relevance of the ACZISC to the Atlantic Provinces be emphasized. He suggested means do this, e.g., developing a reporting mechanism to CAP, including a formal annual report, and reporting to the individual Provinces when meeting in the capitals.

Marianne Janowicz added that the ACZISC profile could be raised by focusing on the ACZISC Workplan at meetings with the Provinces. Articles on the ACZISC could be written for newspapers and magazines.

Mike Butler indicated that support in principle for the ACZISC has been offered by the Minister's Advisory Council on the Oceans (MACO), chaired by Jon Lien, and the Oceans Task Group of the Canadian Council of Fisheries and Aquaculture Ministers (CCFAM). Mike Warren is a member of the Task Group.

Larry Hildebrand enquired if in-kind support from members would help to reduce the financial deficit. Claudette LeBlanc responded that, although helpful, the items in this category represented only a small portion of the ACZISC budget.

Cameron Wilson reminded members that the ACZISC had just completed an 18-month strategic planning exercise to address the concerns being expressed today. He suggested that members go through the Workplan and consider the value of the Workplan items to their jurisdictions.

John Legault suggested that the ACZISC should go 'back to basics', *i.e.* geospatial information management and address issues such as information disparity. Cameron Wilson stressed that geospatial information management was still a major thrust in the ACZISC Strategic Plan and Workplan, hence the ongoing participation by GeoConnections. GeoConnections has benefited significantly from the forum provided by the ACZISC to develop partnerships. It is very supportive of the ACZISC.

John Legault added that an issue in which the ACZISC could become involved and which would result in significant benefits to members is to assist in 'dislodging' data from CHS and make it freely available. Gerard Costello commented that this could be useful. The CHS distribution agreement with NDI is in effect and restricts the free distribution of data by CHS. However, CHS can distribute data for research purposes to governments and academia.

Steve Kempton emphasized the importance of writing ACZISC documents from the perspective of benefits and the beneficiary groups. Geoff Lewis added that benefits to the private sector should be included.

Andy Sherin commented that the discussions emphasized the need for the Communications Working Group to develop a strategic communications plan.

ACTION 39.7: Members to review the draft 2003-04 Budget and financial documents and provide comments to the Secretariat by 31 May 2003

ACTION 39.8: Provincial members in NB and PEI to provide ASAP to Justin Huston the names of key deputy ministers / contacts in their respective Province to approach re possible provincial funding for the ACZISC

ACTION 39.9: Justin Huston and Leslie Grattan to prepare ASAP a draft letter re a proposed provincial funding solution for the ACZISC and circulate it to the provincial members for review

ACTION 39.10: Justin Huston to arrange ASAP for the distribution of the revised letter from NL and NS deputy ministers to the deputy ministers in NB and PEI identified by the provincial members

ACTION 39.11: Secretariat and members to prepare ASAP a contingency plan for the ACZISC if the provincial funding commitment for 2003-2004 cannot be met

ACZISC 2002-2012 STRATEGIC PLAN AND OUTCOMES: Copies of the Strategic Plan and Outcomes were distributed. Mike Butler asked that members review the documents and provide comments.

ACTION 39.12: Members to review and comment by 15 June 2003 on the ACZISC Strategic Plan and Outcomes

ACTION 39.13: Secretariat to revise the ACZISC Strategic Plan and Outcomes based on members' comments and to distribute the document to members prior to next meeting

ACZISC WORKPLAN: The 2003-2004 ACZISC Workplan was distributed and reviewed. Mike Butler explained that the thrusts in the Workplan were numbered to facilitate review at the ACZISC meetings and that the numbering was not an indication of priority. Jim Ramsay commented that the Workplan should be revised to make it more relevant to the Provinces. He stated that current issues in PEI include mandatory crop rotation, buffer zones, sustainable farming practices and aquaculture. He asked that a brief paper be prepared which indicates the focus of the ACZISC and its relevance to the Provinces. Jim suggested that the provincial members hold a conference call to identify key provincial issues to be addressed in the ACZISC Workplan.

Mike asked that members further review the document and provide comments. In addition it was suggested that a Task Group be formed to work with the Secretariat to revise the Workplan to make it more relevant to members. Dolores Durant, Larry Hildebrand, Marianne Janowicz, Steve Kempton, John Legault, Ed Light, Jim Ramsay, Andy Sherin and Cameron Wilson volunteered to be part of the Task Group.

ACTION 39.14: Members to further review and comment on the ACZISC Workplan by 31 May 2003

ACTION 39.15: Provincial representatives to hold a conference call ASAP to identify the key provincial issues to be addressed in the Workplan

ACTION 39.16: Secretariat and provincial members to prepare ASAP a 'commitment' paper for the Provinces which indicates the relevance of the ACZISC and its activities to the Provinces

ACTION 39.17: Task Group to assist the Secretariat to revise the 2003-04 Workplan by 30 June 2003 to make it more relevant to members

ACTION 39.18: Secretariat to distribute the revised Workplan to members prior to the next ACZISC meeting

7. PRESENTATION

IMPLEMENTATION PROCESS FOR THE NB COASTAL AREAS PROTECTION POLICY AND THE WETLANDS POLICY: Marianne Janowicz briefed participants on NB's Coastal Areas Protection Policy and the Wetlands Conservation Policy. She summarized events to date for the Coastal Areas Protection Policy, the operating principles and objectives, and the activities that are prohibited under the policy. She reported the following:

- The Province of NB is going forward with implementing both the Coastal Areas Protection Policy and the Wetland Conservation Policy through the Department of the Environment and Local Government and the Department of Natural Resources and Energy.
- The objectives of the policy are: to reduce the threats to public safety and minimize danger to emergency and rescue personnel during storm and flooding events; minimize contamination of water and wetlands from hazardous materials or salt; maintain the buffering capacity of the coastal areas and protect inland areas from storm surges; maintain flora and fauna both for the role they play in traditional fisheries and eco-tourism and their inherent value in the coastal ecosystem; and minimize public expenditure for

repairing storm damage to public property. In fulfilling these objectives, standards for erosion control structures are identified. Acceptable activities are also identified as well as those activities that require a formal review.

- The current focus is on developing the regulations and designing a training program for local authorities and government staff including development officers in municipalities and planning commissions who will be involved in policy implementation.
- The regulations are expected to come into force this fall. There is considerable discussion with the Planning Commissions as the regulatory package is being developed so that the policy is workable at the local level.

8. **WORKING GROUP REPORTS**

Mike Butler reported that the Secretariat had prepared draft Operating Guidelines and Terms of Reference for the Working Groups. The document (attached) was distributed.

ACTION 39.19: Members to comment on the draft ACZISC Working Group guidelines by 30 June 2003

COMMUNICATIONS WORKING GROUP: The ACZISC Communications Working Group is co-chaired by Mike Butler and Marianne Janowicz. Mike stated that ACZISC communications tools currently include the monthly Update e-newsletter, the website, presentations on the ACZISC at conferences and meetings, the Coastal Zone information sheet distributed at workshops and conferences, and minutes/roundtable reports of ACZISC meetings distributed to participants and made available on the website. It was reported that the minutes of the three ACZISC meetings held during 2002-2003 were accessed by 1,817 individuals.

Mike stated that, as per earlier discussions and Andy Sherin's suggestion, the Communications Working Group would be developing an ACZISC communications plan.

ACTION 39.20: Communications Working Group and Secretariat to develop an ACZISC Communications Plan ASAP

GEOSPATIAL DATA AND INFORMATION WORKING GROUP: The ACZISC Geospatial Data and Information Working Group is co-chaired by Andy Sherin and Claudette LeBlanc. Claudette reported the following:

- The ACZISC/GeoConnections metadata contract agreement was finalized in February and work is under way. The objective of this project is to update and transfer the metadata contained in the Atlantic Coastal Database Directory (ACDD) into the GeoConnections Discovery Portal (GDP). This approach was recommended by the Geospatial Data and Information Working Group to:
 - eliminate duplication of effort between the ACZISC and GeoConnections
 - capitalize on resources, both expertise and funding, available from/through GeoConnections
 - reduce the workload of the database managers responsible for producing and maintaining metadata.
- A GDP 'sub-portal' will be created for Atlantic Canada with a coastal/marine focus, *i.e.* the Atlantic Coastal Information Portal, to replace the ACDD. The Working Group will review the requirements for ACIP and will contact GeoConnections re possible support for its development and implementation.
- To date the update and transfer of two major ACDD components has been initiated: EC and NB. The next component for update/transfer will be PEI. In addition preliminary discussions have taken place with staff at BIO re the DFO Maritimes Science component.
- As per Ed Light's request, the NS component of the ACDD will be addressed via the NS/GeoConnections GeoNOVA agreement.

ACTION 39.21: Geospatial Data and Information Working Group to develop specifications for the proposed Atlantic Coastal Information Portal (ACIP) prior to next meeting

ACTION 39.22: Geospatial Data and Information Working Group to approach GeoConnections re possible support for the development and implementation of ACIP prior to next meeting

Andy Sherin announced two upcoming events of interest to the ACZISC:

- A University of New Brunswick/International Federation of Surveyors (FIG) Meeting on Marine Cadastre Issues is scheduled for 15-16 September 2003 at UNB in Fredericton.
- The Association of Canadian Land Surveyors will be holding a one-day consultation on offshore issues, including the need for a marine cadastre, at the Canadian Institute for Geomatics (CIG) Conference scheduled for 16-18 October in Calgary.

Michael Sutherland, a PhD student at UNB and one of the organizers of the UNB/FIG Meeting on Marine Cadastre Issues, further briefed participants on the Meeting:

- The Meeting on Marine Cadastre Issues is organized by UNB's Land and Coastal Studies Group, Department of Geodesy and Geomatics Engineering in conjunction with FIG's Commission 4 Working Group 4.3. Michael is a vice-chair of the Commission.
- The results of the Meeting will be brought to the CIG consultation in Calgary.
- ACZISC members are invited to participate in the UNB/FIG Meeting.

Discussion:

George Borgal asked for the definition of a 'marine cadastre'.

Michael Sutherland replied that, although the concept varies depending of where one is in the world, in general a marine cadastre is a record of interest in real estate – land or marine, supported by textual information. A marine cadastre provides information about the ownership, stewardship, and use of resources. It includes information on property rights, what jurisdictional powers affect resources and the rights of owners.

Steve Kempton added that for any single point a marine cadastre should identify jurisdictional rights, competing rights and potential conflicts.

George Borgal enquired as to the geographic limits of the marine cadastre. Michael replied that the limits could extend to the end of the continental shelf.

ACTION 39.23: Members to email Michael Sutherland by 9 June 2003 re their interest in participating in the UNB - FIG Meeting on Marine Cadastre Issues scheduled for 15-16 September 2003 at UNB in Fredericton (michael.d.sutherland@unb.ca)

Mike Butler reported that an Ecozone Boundary Workshop for federal and provincial government personnel has been provisionally scheduled for 3 July at BIO; however, it is anticipated that the date will be moved to coincide with the September meeting of the ACZISC. The objectives of this Workshop are to review the criteria and rationale taken by various governments and other agencies to define large ecoregion boundaries, to assess commonalities and to define, if possible, common spatial planning frameworks. The Workshop Steering Committee has contracted the Secretariat to organize the workshop and prepare a background document and workshop proceedings. Federal and provincial members are asked to contact the Secretariat if they wish to participate in the Workshop.

ACTION 39.24: Provincial and federal members to contact the Secretariat ASAP re their interest in participating in an Ecosystem Boundary Workshop

George Borgal indicated that two DND personnel would be participating in the Workshop.

INTEGRATED COASTAL MANAGEMENT WORKING GROUP: The ACZISC ICM Working Group is co-chaired by Leslie Grattan and Carol Ann Rose. Leslie reported that a meeting of the Working Group had taken place from 1515-1730 hrs yesterday afternoon (21 May). She suggested that the ICM Working Group report be presented following the Roundtable Review in order to eliminate duplication in reporting. Members agreed with this suggestion.

9. *ROUNDTABLE REVIEW OF COASTAL ZONE ACTIVITIES and UPDATES ON ACZISC RELATED PROGRAMS*

ENVIRONMENT CANADA: Bill Horne, Environmental Emergencies Section, reported the following:

- REET, the Regional Environmental Emergencies Team, will be celebrating 30 years of existence during its annual meetings on 26-27 November 2003 at the Westin hotel in Halifax. On 24-25 November, guest speakers will participate in workshops, covering topics such as dispersant use, and the Shoreline Cleanup Assessment Team (SCAT). REET was formed as a result of an environmental emergency. Chaired by EC, it is comprised of federal and provincial government departments having legislated responsibilities for emergencies. REET gives scientific advice to the polluter. Ed Owens and Merv Fingas have been invited to make presentations.
- EC is planning a workshop to update the present "Fish Kill Response Procedures", probably to be held in the Moncton area in the next few months. For information, contact Sinc Dewis at tel 902-426-6318.
- EC's Environmental Emergencies Section is sponsoring a Contingency Planning Workshop in the fall for federal facilities personnel, *i.e.* Parks Canada and First Nations.
- Information brochures were made available:
 - The Environmental Damages Fund (EDF) was established in 1995. The EDF serves as a special holding or trust account to manage funds received as compensation for environmental damage. These funds may come in the form of court orders, awards, out-of-court settlements, voluntary payments, and other awards provided by various international funds.
 - Environment Canada Mapping for Environmental Emergencies is a geographic information system (GIS) that incorporates the most comprehensive and up-to-date environmental data currently available.
- New Environmental Emergency (E2) Planning Regulations under the 1999 Canadian Environmental Protection Act will come into effect probably in June. The regulation will require industries in Canada to ensure that good risk management practices are in place by preparing contingency plans for chemicals that reside on their property in sufficient concentration and quantity. Presently there are 174 chemicals and mixtures listed.
- The Operation Clean Feather Program was implemented in Newfoundland 10 years ago and recently in Nova Scotia. It is a coordinated effort of at least three federal government agencies: EC, TC, and DFO Canadian Coast Guard. Technicians interview and provide information to ships' officers and crew on the negative impact that oily wastes releases from ships have on seabirds and marine life by providing brochures translated in four languages and showing a video. EC is presently auditing the program to determine its effectiveness and to determine if a better approach is needed.

Larry Hildebrand, Sustainable Communities and Ecosystems Division, reported the following:

- EC's national Ecosystem Initiatives program, of which ACAP (Atlantic Coastal Action Program) is the east coast component, has been renewed for another five years (2003-2008). This 3rd phase of ACAP will build on success to date by: (1) continuing EC's working relationships with the 14 ACAP community organizations throughout Atlantic Canada; (2) growing the program through the establishment of new sites (Labrador as a

- priority) and/or expansion of existing watershed and coastal boundaries; (3) continuing to work with and support larger ecosystem-scale initiatives including BoFEP, Southern Gulf of St. Lawrence Coalition, Gulf of Maine Council, ESSIM; (4) maintaining and strengthening the 'community of practice' within the ACAP family through the continuation of the annual ACAP conference, bi-annual meetings of the ACAP Executive Directors, regular meetings among EC Executives and the Presidents of the ACAP Boards of Directors through the ACAP Advisory Council, exchanges of personnel among ACAP sites, and establishment of an electronic community bulletin board; and (5) strengthening collaboration and coordination within government on community-oriented programs through Sustainable Communities Initiatives such as that currently underway in NS.
- ACAP-DFO relations continue to strengthen. Three agreements have recently been signed between Humber Arm ACAP and DFO NL, Pictou Harbour ACAP and DFO Gulf, and Clean Annapolis ACAP and DFO Maritimes.
 - The "Watershed Approaches to Environmental Education Conference" is scheduled for 25-28 September 2003 in Summerside, PEI. The Conference is sponsored by the Atlantic Coastal Action Program (ACAP) and the Canadian Network of Environmental Educators and Communicators (EECOM). With the focus on watershed approaches to learning, the Conference will explore diverse methods of educational programming, environmental research, resource management, and environmental thought and culture. For information, access <http://www.bbema.ca/eecomacap/index.html>
 - EC has recently organized internally to respond to its obligations in Canada's Oceans Strategy, through the establishment of an EC Oceans Working Group. This national WG is comprised of representatives of all of the Department's major Services and Regions.
 - An inventory of ICM efforts across Canada has been compiled, reviewed and updated by the Coastal Zone Canada Association (CZCA). Almost 80 efforts have been identified and entered into a database and new or missed efforts are regularly sought. The CZCA intends to establish a national 'community of practice' among these Canadian efforts, with the objective of exchanging ideas and learning from experience. The ACZISC may be well placed to facilitate a more focused 'Atlantic CoP', through its existing communication avenues.
 - The Marine Affairs Program at Dalhousie University has developed and will be delivering a one-week professional development course (a.k.a. 'Boot Camp') for DFO personnel on Operationalizing Canada's Oceans Act, on 15-20 June at the Coast Guard College in Cape Breton.

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR: Leslie Grattan, Department of the Environment, reported the following:

- Memorial University will be starting a distance learning program for a Masters in ICM this fall. Keith Mercer (keith.mercer@mi.mun.ca) is the contact person.
- A Seminar Series has been organized as a precursor to the Coastal Zone Canada Conference taking place in St. John's in June 2004. The next event entitled "Coastal Communities Under Stress" is taking place this evening in St. John's. The previous Seminar, held in April, was entitled "Towards Protection of our Oceans from Ship Source Oil Discharges".
- There has been a commitment by the Province to develop an Integrated Coastal Management Plan for Placentia Bay since 1997. Data and information have been collected by DFO. The Province and DFO are now ready to work with community groups in the region to develop the plan.
- Mike Warren, Director of Planning Services, Fisheries and Aquaculture, co-chairs the Ocean Task Group of the Canadian Council of Fisheries and Aquaculture Ministers with John Karau, DFO Ottawa. The Task Group recently held a two-day meeting in Ottawa. Leslie was in attendance.

INDUSTRY CANADA: Geoff Lewis, Energy and Marine Branch, reported that the Ocean Sector was gaining profile in Industry Canada:

- Executive changes at Industry Canada: ADM John Banigan has been replaced by David

- Fransen and DM Peter Harder will be replaced by Jean-Claude Villard in June.
- Canada's Innovation Strategy is evolving with implementation plans now prepared both for specific sectors, e.g., Ocean Technology, and regions, e.g., Atlantic Canada. Geoff will inform the ACZISC when initiatives are approved.
- IC's Aboriginal Business Canada has suggested the Atlantic Policy Congress of First Nations Chiefs as a potential member/observer organization for ACZISC.

PUBLIC WORKS AND GOVERNMENT SERVICES: Michel Goguen reported the following:

- PWGSC has completed the implementation of its Information Management system, which includes data on most government owned infrastructure and marine channels. The IM system is based on the Enterprise Document and Records Management (EDRM) software. EDRM will allow document and file management across the Department, ensuring available materials, studies and reports are accessible and researchable.
- The retooling of the hydrographic sector (sounders, software, etc) is complete.
- There is an internal review under way in the Department to better focus resources.

Cameron Wilson enquired re the feasibility of registering the PWGSC databases with the GDP and making them searchable online. Michel explained that the PWGSC databases had been produced for clients such as the CCG and Small Craft Harbours of DFO and Harbours and Ports of TC. They would have to approve and be involved in the process. Michel and Cameron agreed to pursue discussions.

ACTION 39.25: Michel Goguen and Cameron Wilson to discuss the cataloguing of PWGSC databases and a possible link with GeoConnections

FISHERIES AND OCEANS CANADA: Gerard Costello, Canadian Hydrographic Service - Atlantic, reported the following:

- CHS is participating in a DFO departmental assessment and service delivery study. The CHS annual national budget that is required to meet its mandate at current service levels is short by about \$8 million. A national retreat was held in April to review "Change Options".
- Changes are likely to be made in the 4 CHS Regions and the Ottawa Headquarters. There will be some re-alignment of resources to match priorities. Major components of CHS activities, i.e. data acquisition, ENC production, etc. may be led by individual regions, rather than each region doing their own work independently.
- Data acquisition is extremely expensive. More effort will go into data management and access to external data sources.
- Priority areas for charting will be selected using risk assessment. 207 charts have been identified from a total of 950 as high risk shipping areas and requiring A-level attention. About 25% of Canadian waters remain uncharted.
- An ISO 9001:2000 quality management system is in place for all CHS activities.
- CHS Atlantic is continuing with upgrading charts focusing on bilingualism and conversion to GPS/NAD83 datum. About 155 have been completed over the past 2 years.
- CHS Atlantic is involved with DFO Fisheries Management and Science, GSC Atlantic and Inshore Scallop Associations in a mapping project of new inshore scallop grounds off southwest NS. One of the issues to be investigated is differentiating scallop and lobster habitat as the area is common to both.
- CHS has an agreement with SIMRAD to update the multibeam system on the Matthew---to the EM1002 and later the new EM1004. It will be installed and operational this summer.
- The CHS survey program for charting this summer is focused on NE Newfoundland --- White Bay area and Labrador coastal routes.
- CHS is working with Dalhousie University to include charting/surveying criteria in a GIS-based Risk Analysis System -- MARIS -- being built for the Coast Guard's Search and Rescue program.

John Legault, Oceans, DFO Gulf Region, reported the following:

- The Gulf Region has been participating in a multi-regional exercise to initiate an integrated management process in the Gulf of St. Lawrence (GoSLIM). This project is in collaboration with the Québec and Newfoundland/Labrador Regions. As part of this exercise, it is necessary to establish a "use" baseline for the entire Gulf of St. Lawrence. Three of these baselines have been completed – Fisheries; Oil and Gas Exploration and Exploitation; and Identification of Sensitive Habitats and a fourth, Aquaculture, is currently being completed. The reports can be made available. Reports will be produced on Transportation, Local Economy, and Governance.
- The Gulf Region is collaborating with Dr. John Hughes-Clarke of the Dept. of Geodesy and Geomatics Engineering at UNB. The purpose of this partnership is to achieve a better understanding of the currents and water flushing in the Shippagan Harbour using detailed maps of the bathymetry and bottom habitat produced with the tools aboard the CSS Heron. The ship uses combinations of multi-beam QTC side-scanning sonars and Acoustic Doppler Current Profiler that will provide new levels of detail for the area. The data collected by UNB is provided to CHS to complement existing harbour charts.

Members indicated interest in obtaining digital copies of the GoSLIM documents and Fish Plant Effluent Workshop report when available.

ACTION 39.26: John Legault to provide, when available, digital documents on the Gulf of St. Lawrence Integrated Management (GoSLIM) initiative and the report of the recent Fish Plant Effluent Workshop to the Secretariat for distribution to members

Paul Boudreau, DFO Maritimes Region, reported the following:

- DFO Maritimes Region Fish Habitat Management (HM) and Navigable Waters Protection Program (NWPP) are working to streamline and consolidate DFO review of proposals for 'works' in or near water in NS, NB and PEI. This is being attempted by a number of initiatives including:
 - additional staff being placed in some area offices;
 - increased communication and interaction between HM and NWPP; and,
 - the identification of low risk projects and the development of conditions for 'works' to reduce potential risk to fish habitat and navigation. This effort includes working with Provincial partners to streamline the review while still ensuring that all agencies maintain responsibility for their legal mandates. Benefits to proponents will be a more timely and consistent response from DFO. Overall this ongoing work on improving Federal - Provincial cooperation will enhance protection for fish habitat and will reduce risks to human health and safety in marine and freshwater environments.
- DFO Maritimes Region will be holding the 2nd phase in a series of Regional Advisory Process (RAP) workshops on benthic classification. The draft title of the Workshop is "Maintenance of the Diversity of Ecosystem Types: Benthic Classification and Usage Guidelines for the Scotian-Fundy Area of the Maritime Region". The purpose will be to look at available information on marine benthic information, to agree on a practical approach of mapping ecosystem types and to initiate a review of categories of the impacts of human activities in the marine environment. Invitees will be selected based on expertise and knowledge. The Workshop will be held at the Bedford Institute of Oceanography on 21-23 October 2003.

Steve Kempton, Canadian Coast Guard, reported the following:

- INNAV: The INNAV system is up and running in all three centres in the Maritimes (Halifax, Sydney, and Saint John) as of fiscal year end. Modifications and improvements are ongoing, and a new release complete with radar recording is due out in the near future. Automatic Identification System (AIS) compatibility studies are ongoing. For details,

- access <http://www.innav.gc.ca>.
- MARIS: This GIS-based software has been developed at Dalhousie University (MARIN Risk Management Project / Dr. Ron Pelot) to analyse marine temporal and spatial risks. Both the process and the software have been tentatively adopted by CCG HQ/Marine Programs Ottawa as a primary planning tool. They may next expand its role into environmental response planning.
- CANSARP: This Canadian Search and Rescue software is used to calculate oceanic drift rates for various targets during SAR operations, e.g., life-raft, person in water. It can incorporate on-scene weather data from Self Locating Data Marking Buoys (SLDMBs) or from forecast weather/sea state information.
- SISAR: This database is the digital record of search and rescue statistical data; it has recently been upgraded. In addition Joint Rescue Coordination Centres are soon expected to implement operationally SMMS, search and rescue case management software, that will replace much of the paper case management tools. This will bring various other databases and computer tools into one platform for the Air and Maritime Coordinators, and will relieve some redundant data entry.

GOVERNMENT OF NEW BRUNSWICK: Dave Finley, Service New Brunswick, reported the following:

- Improvements to the Topographic Database: Preparations will be made for a provincial road update, including identifying priorities, exploring the impact of the National Road Network (NRN) specification on NB users and data suppliers, and determining partnership details. A review of topographic mapping in NB will be carried out, including 'understanding' where we've come from, where we are, and where we need to go to meet future needs.
- Continuation of Orthophoto Production (SODB): The aerial photography is complete for the Province. The focus will now be on aerial triangulation and orthophoto production.
- Production of the Administrative Areas DataBase (AADB): The requirements analysis is complete, the boundaries of interest are identified and prioritised, and the technical specifications are complete. RFPs will be issued before the summer for the Production and Quality Control of the AADB.
- Continuation of the Initiative to Georeference the NB Civic Address DataBase: The RFP has closed to do a business case comparison with the objective to determine who the owner of the GCADB should be. The next steps include the identification of maintenance partners and securing buy-in.
- Exploring Federal/Provincial Partnering Opportunities: SNB is actively exploring cost-sharing partnering opportunities.
- SNB Administration: Bob Gamble, President of SNB, has announced he will be retiring by the fall. His replacement has not yet been announced.

Discussion:

George Borgal asked if it was possible for DND to have access to NB's 911 database. Dave replied that such requests were decided on a case-by-case basis by a Steering Committee. George enquired if the data between PEI and NB was seamless. Dave reported that both were using XY positions but that they had different access points.

ACTION 39.27: David Finley and George Borgal to discuss the possibility of DND accessing NB's 911 database for emergency response and other purposes

Marianne Janowicz, Environment and Local Government, reported the following:

- The Province of NB is going forward with implementing both the Coastal Areas Protection Policy and the Wetland Conservation Policy through the departments of the Environment and Local Government (ELG) and Natural Resources and Energy (NRE).
- Amendments to the Clean Environment Act have been passed to enable the development

of regulations to enact the Coastal Policy. The regulations will be in the form of a Coastal Designation Order and an Exemption Regulation. It is anticipated that these will be ready for use in the early fall. Regulations under the Community Planning Act will also be drafted to provide links to existing development and approval processes.

- Amendments have been made to the Clean Environment Act to accommodate the Wetlands Designation Order. Amendments have also been made to the Clean Water Act so that amendments can be made to regulations under that Act. Those amendments include a change in name of the Watercourse Alteration Regulation to the Watercourse and Wetlands Alteration Regulation.
- ELG and NRE are developing a training program for local authorities and government staff who will be involved in review and enforcement activities related to the policies. It is anticipated that this training will be given in late summer. As well, there will be a series of information sheets produced that will help authorities implement the Policies and inform the public of their roles and responsibilities under the Regulations.

PRIVATE SECTOR / CHAMPLAIN INC: Norval Collins reported the following:

- CMP funding for Champlain Inc ceased at the end of March. Other funding options are being pursued. ACOA is a possible source; however, its mandate is pan-Atlantic. CI is in discussions with NATI to form an Atlantic-wide partnership. Further discussion will take place at Geomatics Atlantic scheduled for 24-25 June in Wolfville, NS.
- CI will be holding a reception on 23 June in conjunction with Geomatics Atlantic in Wolfville. ACZISC members will be invited.
- The oil and gas industry is not adequately considering the impacts on ICM of its oil and gas exploration.
- Climadapt is a private sector driven partnership launched in NS in 2001 to develop adaptation measures to climate change. The partnership involves private sector environmental firms, non-governmental associations, and three levels of government. A practitioners guide has been completed. For information on Climadapt, access <http://www.climadapt.com>

Geoff Lewis suggested that Ric Cameron, ADM Energy Sector, NRCan would be a good contact for input re oil and gas exploration.

NATURAL RESOURCES CANADA: Dolores Durant, GeoConnections, reported the following:

- Dolores will be making a presentation on GeoConnections, the GeoConnections Discovery Portal and Disaster Management at Geomatics Atlantic 2003, 23-25 June in Wolfville.
- The partnership between the ACZISC and GeoConnections to transfer metadata from the Atlantic Coastal Data Directory to the GeoConnections Discovery Portal is ongoing.
- GeoConnections and GeoNOVA are working in partnership to develop the framework for GeoNOVA and to make data available via GeoNOVA.
- GeoConnections is working in partnership with DFO at BIO to eventually make their data, e.g., climate, and sea surface temperature, available to the public via web mapping service layers.
- The CGKN (Canadian Geoscience Knowledge Network) has just formed a water group. It is not yet clear if this group will be dealing with freshwater and/or marine waters. It is likely to be hydro-geologically oriented since the CGKN involves all of the provincial as well as the federal geological surveys.

Cameron Wilson, GeoConnections, reported the following:

- GeoConnections was created to build the CGDI (Canadian Geospatial Data Infrastructure). It has three tiers: data, services (e.g., wms, e-commerce), and applications (for visualizing data).
- In Atlantic Canada, GeoConnections currently has partnerships with the Governments of NS and NL and would like to develop partnerships with NB and PEI.
- GeoConnections has a partnership with EC to contribute to CISE (Canadian Information

- System for the Environment).
- GeoConnections has a new Announcement of Opportunity for Communities of Practice (CoP). Examples of CoPs are ICM and the Emergency Response Critical Infrastructure Protection Initiative (CIPI). The CIPI project served to validate some aspects of the GDP structure, reveal the gaps and identified criteria for encrypting to ensure a secure environment.

Andy Sherin, Geological Survey of Canada, reported the following:

- Impacts of Sea-Level Rise and Climate Change on the Coastal Zone of Southeastern NB:
 - NRCan's Earth Science Sector is a partner in the project (presented earlier by Réal Daigle, Project Leader).
 - Public meetings on the project have been held in Cocagne and Shédiac. Meetings are planned with the Kent County Planning Commission and Bouctouche Town Council.
 - The study of the impact on piping plover habitat has been added to the coastal stability sub-project.
 - Multibeam and single beam bathymetry will be collected. Tentative dates for a Creed cruise to the area are 19 June to 1 July 2003. The area between Cap-Lumière and Shédiac will be surveyed, with a concentration on offshore Bouctouche.
- Impacts of Sea-Level Rise and Climate Change on the Coastal Zone of Prince Edward Island: The Charlottetown climate change impacts and adaptation project was written up in the special supplement 'Elevation' of the May 2003 edition GPS World. In conjunction with the flying of LIDAR in NB, there will be some re-surveying of the north coast of PEI and Charlottetown. This will enable an analysis of differences in coastal shape and volumes between the two expeditions.
- GeoConnections' Sustainable Communities Initiative: GeoConnections' Sustainable Communities Initiative will partner with the Oromocto First Nation (OFN). Rural development, agriculture and forestry practices continue to adversely impact many riparian areas of the Oromocto river basins. The OFN's fisheries and watershed study focuses on developing a strategic plan for watershed preservation and restoration. Preservation goals and activities are as important as restoration activities involving the re-connection of fragmented riparian habitats and reconstruction of historic ecological conditions. The Rusagonis Watershed (69,190 acres), a sub-watershed of the Oromocto river basin, has been chosen for the pilot project due to the large number of human impacts the area has endured. These varied impacts will challenge the trainee and aid in the learning process. GIS trainees will create and update working maps for the sub-watershed enabling fisheries personnel to develop long-term management/action plans for the future stability of this area.
- NRCan initiatives on Metals in the Environment:
 - GSC's work on metals in marine sediments at Belledune Point in NB is being written up as part of an upcoming GSC Bulletin: Parsons, M.B. and Cranston, R.E. (in press). Distribution, transport, and sources of metals in marine sediments near a coastal lead smelter in northern New Brunswick. In: Metals in the Environment Around Smelters: Results of the GSC-MITE Point Sources Project at Rouyn-Noranda (Québec) and Belledune (New Brunswick); (ed.) G.F. Bonham-Carter, GSC Bulletin & GIS database on CD-ROM.
 - GSC is hopeful that the work can be incorporated into an ecological risk assessment for the Dalhousie, NB area in collaboration with researchers from EC.
 - GSC is investigating abandoned mine sites in NS in collaboration with the NS Department of Natural Resources.
 - NRCan is an active partner with the provinces and territories in addressing issues related to orphaned and abandoned mine-sites. For more information, access http://www.nrcan-rncan.gc.ca/mms/pdf/orp_e.pdf
- GSC Sediment Texture Data On-Line: GSC Atlantic has made its sediment texture data available on the web. To access: go to http://margin.gsca.nrcan.gc.ca/metamap/search_e.cfm, choose a geographic area defined by latitude and longitude (or use the defaults), select 'Expedition Data Base Grain Size

Data', then click on Interactive Map (will need the free MapGuide plug-in for your browser). A map will display with red markers indicating all the samples with grain size data. Selecting a sample or samples and clicking on the report icon will produce a data table for these samples. A project is being developed to extend this function to include USGS data for the Gulf of Maine and provide an OGC compliant sediment texture service.

NATIONAL DEFENCE: Cdr George Borgal, TRINITY JOSIC, reported the following:

- Surveillance:
 - *Recognized Maritime Picture (RMP) Improvements:* The Near-Real-Time picture being returned to federal department partners in CANMARNET continues to be improved. The addition of DFO NL fishing vessel information is an example. Another is the recent addition of European vessel management system shipping data being received from NATO authorities. The benefit to all partners in the region is that Government's ability to understand ocean use, predict trends and enforce conservation regulations is improving.
 - *DFO/DND Information Exchange:* DFO NL is developing an intra DFO web-based information exchange medium called VUE, which will associate fishing vessels databases to allow better data search and impact analysis. This will soon be made available to DND and be incorporated as an available link in CANMARNET.
 - *RMP Currency:* Progress continues in improving the near real-time Recognized Maritime Picture (RMP), being shared with other federal departments through CANMARNET.
- Information Exchange:
 - *CANMARNET Status:* A briefing on CANMARNET's resurgence as a medium for information exchange amongst federal partners, and of its new look, was provided, emphasizing its expanding utility and potential amongst federal partners. Although currently hosted on a national net, distribution to provincial partners could be possible given sufficient interest and mutual value. Briefing highlights included:
 - Notice of inauguration of the Atlantic CANMARNET Users' Group (ACUG), and of its relationship to the Eastern Canadian Interdepartmental Operations Committee (ECIMOC). ACUG's primary role would be as Information Manager for ECIMOC, with data maintained on CANMARNET.
 - A proposal that ACZISC consider the value of linking ACZISC sites to CANMARNET, and that provincial members also consider whether there could be similar mutual value in information sharing. Within the CANMARNET community, there needs to be a discussion on the degree to which data can be shared among the Provinces.
 - The federal project to establish a national CANMARNET system (MIMDEX) continues, and now would be the time to consider if connectivity issues affecting information distribution and content growth should include latitude for provincial involvement.
 - *Operations of Interest:* The Side Scan Survey of St John's Harbour has been completed and data will be made available to CHS.
 - *DND Membership on the ACZISC:* Cdr Paul Earnshaw will be taking command of TRINITY JOSIC in June and will replace George on the ACZISC. George introduced LCdr Janice Chisholm, Head of TRINITY's Fleet Support Office, who will normally attend with or on behalf of Paul Earnshaw and act as one of DND's points of contact. He also introduced Capt Paul Light, representing Land Force Atlantic Area Headquarters as an observer.

Cameron Wilson suggested that the St. John's Harbour sidescan data could be made more accessible via GeoConnections. George suggested that Cameron and he discuss this.

ACTION 39.28: Cameron Wilson and George Borgal to discuss the possibility of making the sidescan data collected by DND in St. John's Harbour more accessible via GeoConnections

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

- GeoNOVA Portal: Phase 1 of the Portal development is jointly funded by NS and

GeoConnections. This includes identifying the business requirements, defining the architecture and preparing an implementation plan. A town hall session on the Portal will be held in early July. The architecture and implementation plan is scheduled for delivery mid-July. Development work will begin in September.

Justin Huston, Agriculture and Fisheries, reported that a Gulf of Maine Forum on Coastal Governance is scheduled for the 1st week of December.

GOVERNMENT OF PRINCE EDWARD ISLAND: Jim Ramsay reported the following:

- There is strong public outcry on the Island re environmental concerns, including the use of insecticides, fish kills, etc.
- Policy and legislation has been put in place to encourage better farming practices to avoid soil erosion, etc. Mandatory crop rotation has been legislated.
- A new GeoLinc Plus has been released. GeoLinc Plus is a web-based system that provides access to comprehensive land information, including road networks, civic addressing, assessment, tax, registry, and property mapping information for any parcel of land in PEI. It is a full account balance system; the contractual agreements are integrated with the Oracle provincial transactions service. Geolinc is available at <http://eservices.gov.pe.ca/pei-icis/index.jsp>
- PEI Land Online uses some of the data layers as Geolinc and is designed for access by the farming community. Assistance is available re identifying slopes and creating environmental farm plans. The system can also be used by the Department of Agriculture to notify farmers of particular problems.
- The 3-year PEI corporate land use project, based on photography flown in 2000, has been completed. A seamless database has been created which allows complete analysis of land use. The results will be compared to a survey which has been completed.

OBSERVER REPORTS: Barry Jones, Gryffyn Coastal Management Inc, reported that he was involved in two projects of interest to the ACZISC:

- A contract with John Karau, Ocean Task Group Using, looking at existing data to identify coastal characteristics and governance issues.
- A contract to act as Canadian coordinator for the Canadian portion of a Gulf of Maine Summit scheduled for 26-28 October 2004 in St. Andrews. The Summit deliberations and the proceedings of a series of local workshops leading to the Summit will be used to prepare a State of the Oceans report for the Gulf of Maine.

Rick Nyarady, Universal Systems Ltd / CARIS, reported on activities at the company, including the development of web-enabled products, featuring embedded OGC and metadata compliance and user roles. He briefly described two projects: Open City; and Emergency Services Online with Hydro Québec: This will be used for planning, response and recovery in regards to storm surges.

UPDATES ON ACZISC RELATED PROGRAMS

COASTAL ZONE CANADA 2004 CONFERENCE: Leslie Grattan reported that CZC 2004 would be held from 27-30 June 2004 in St. John's, NL. The theme of the Conference is "All Within One Ocean: Co-operation in Sustainable Coastal and Ocean Management". A Conference brochure has been produced and will be distributed widely. The organizers are calling for expressions of interest from people or agencies interested in organizing workshops or sessions at the Conference. For information, email Grant Gardner, Chair of the Organizing Committee. A call for papers and posters will be issued in September.

ACTION 39.29: Secretariat and members interested in organizing focused sessions and workshops in association CZC 2004 to email Grant Gardner at CZC2004@mun.ca by 30 August 2003

COASTAL/MARINE ECONOMIC STUDIES: Geoff Lewis reported that on 5 May, Carla Dale of DFO had organized a meeting to discuss Ocean Sector Economic Studies. Eight federal departments and agencies participated (ACOA, DFO, DND, EC, ECBC, HRDC, IC and StatsCan). The group will meet again on 27 May. It appears that there is support within the group for updating the NS study report "Estimating the Economic Value of Coastal and Ocean Resources" published in 1998 and for producing a sub-element report on environmental economics and some regional statistics. Provincial organizations will be invited to participate. (The coastal/marine economic studies for the Atlantic Provinces are available at <http://www.dal.ca/aczisc/docs>.)

EASTERN SCOTIAN SHELF INTEGRATED MANAGEMENT: Paul Boudreau and Larry Hildebrand reported on the 2nd ESSIM Forum Workshop held on 18-19 February 2003 in Halifax. Participants at the Workshop stressed the need to work through a "real life" case study to demonstrate the integrated planning process and, essentially, to develop an integrated management plan for a selected geographic area. A Working Group has been established for this purpose. (For information on ESSIM, access <http://www.mar.dfo-mpo.gc.ca/oceans/e/essim/essim-intro-e.html>.)

OCEAN MANAGEMENT RESEARCH NETWORK: Mike Butler stated that the OMRN had been established by DFO and SSHRC to engage social scientists together with other disciplines in ocean management. The 1st national OMRN conference was held in October 2002 in Ottawa. The Conference was well attended with approximately 200 participants from across Canada. The 2nd OMRN National Conference is scheduled for 13-15 November 2003, also in Ottawa. The theme is "Canada's Oceans: Research, Management and the Human Dimension". (For information, access <http://www.omrn.ca>.)

SOUTHERN GULF OF ST. LAWRENCE COALITION ON SUSTAINABILITY: Larry Hildebrand reported that the 2003 AGM of the Southern Gulf of St. Lawrence Coalition on Sustainability had been held on 11-12 April 2003 at St. Francis-Xavier University in Antigonish, NS. (For information on the Coalition, access <http://www.coalition-sgsl.ca>.)

10. WORKING GROUP REPORT

INTEGRATED COASTAL MANAGEMENT WORKING GROUP: Leslie Grattan reported on issues discussed at the ICM WG meeting, in addition to those reported by members during the Roundtable:

- Canada's Oceans Strategy: There is uncertainty regarding federal and provincial roles and responsibilities for the implementation of COS.
- 'Boot Camp' course for DFO personnel on Operationalizing Canada's Oceans Act: Other agencies may want to consider how the course might be applicable to them.
- ICM Community of Practice: The ICM WG members will be considering the implementation of an ICM Community of Practice in Atlantic Canada. The first activity will be to document the requirements for the ICM CoP.

ACTION 39.30: Larry Hildebrand, John Legault and other members of the ICM Working Group to document the requirements for an ICM Community of Practice in Atlantic Canada prior to next meeting

11. **ANNOUNCEMENTS**

Geoff Lewis announced two upcoming conferences of note:

- **IS-2003**, the annual Intelligent Systems Conference of Precarn, on 8-10 June in Halifax. The event will include a one-day session on Intelligent System Solutions for Marine and Ocean Industries. For information, access <http://www.precarn.ca/>
- **Ocean Innovations 2003** conference and trade show, organized by the CCMC, 21-22 October 2003 in St. John's. For information, access <http://www.oceaninnovation.ca.>

Andy Sherin announced that **CoastGIS 2003** would be held in Genoa, Italy from 16-18 October 2003. Six abstracts have been submitted from Canada. Information on the conference is available at <http://www.gisig.it/coastgis/>. In preparation for the event, the organizers have asked Aldaberto Vallega, 1st Vice-President, International Geographical Union, to write a discussion paper entitled "From Rio to Johannesburg: The Role of Coastal GIS". The paper is available at http://www.gisig.it/coastgis/background_paper/VA_paper.pdf.

12. **OTHER BUSINESS**

No new business was discussed.

13. **ADJOURNMENT**

ACZISC Meeting #39 adjourned at 1635 hrs on Thursday, 22 May 2003.

ACZISC EXECUTIVE COMMITTEE MEETING REPORT

Date / Location: 8 May 2003 – 11:00-12:00, Bedford Institute of Oceanography, Dartmouth

Present: Justin Huston (Provincial rep.), Carol Ann Rose (Federal rep.), Brent Rowley (Private Sector rep.), Mike Butler and Claudette LeBlanc (ACZISC Secretariat)

Regrets: Lois Whitehead (Academic rep.)

AGENDA ITEMS AND RECOMMENDATIONS

1. Funding Arrangements:

Mike Butler reviewed the funding submission to CAP and the response from CAP. It was agreed by the Executive Committee that identified Deputy Ministers in each province should be requested to collectively approach CAP, on behalf of the ACZISC, to reconsider the funding decision. The optimum arrangement would be for provincial funds to be provided by CAP rather than by the individual departments.

The draft budget for 2003-2004 was reviewed.

2. Secretariat Contracts:

Mike updated the Executive Committee re current and proposed contracts to supplement ACZISC funds:

- A \$15,000 contract was finalized with GeoConnections in January to, among other activities, accelerate the transfer of databases in the ACDD into the GeoConnections Discovery Portal. \$13.5K of the contract fee was paid in March and the balance will be paid upon completion.
- A proposal is being prepared by the ACZISC Secretariat to facilitate and chair a workshop on the delineation of large ecosystems in Atlantic Canada. This proposed contract would also involve the preparation of a background document and workshop proceedings. This workshop will be for federal and provincial personnel.
- The ACZISC Secretariat has submitted a proposal to DFO and ACOA to carry out a regional coastal/marine economic study as a logical follow-up to the four Atlantic provincial reports.

3. Incorporation Process:

Mike distributed the proposed incorporation documents, prepared by the OIC lawyer, which include the Memorandum of Association of the ACZISC Association and the by-laws. The Executive Committee recommended that the documents be circulated to the Committee as a whole for endorsement at the May meeting of the ACZISC in Fredericton.

4. ACZISC Membership:

Carol Ann agreed to follow up with three potential federal members: ACOA, OCIEP and Health Canada. Mike reported that the Secretariat had been requested to brief Health Canada personnel that afternoon. Background communications with these departments have been passed on to Carol Ann.