

MINUTES OF ACZISC MEETING #34

Atlantic Coastal Zone Information Steering Committee

Date: Wednesday, 17 October 2001, 0830 - 1630 hrs.

Location: Riverhead Room, Battery Hotel
St. John's, Newfoundland

PARTICIPANTS: * indicates ACZISC member or Executive Committee member

Name	Affiliation	Tel. no.
Tim Anderson*	Fisheries and Oceans Canada, Oceans and Environment Branch, NF Region	709-772-2852
Rose Aucoin	NF Department of Fisheries and Aquaculture	709-729-3725
Michael Butler*, Chair	Oceans Institute of Canada	902-494-1977
Andy Cameron*	Government of Nova Scotia, Agriculture and Fisheries	902-424-0406
Scott Campbell	Fisheries and Oceans Canada	709-772-5667
Cyr Couturier	Atlantic Provinces Council on the Sciences*	709-778-0609
Dave Finley*	Government of New Brunswick, Service New Brunswick	506-444-4644
Bob Fisher	Coast of Bays Corporation	709-335-2616
Krista Fraser	GeoConnections Secretariat	902-667-6283
Randy Gillespie*	Canadian Centre for Marine Communications and the Private sector - NATI	709-579-4872
Leslie Grattan*	Government of Newfoundland and Labrador, Environmental Planning and Management Projects	709-729-3782
Bill Hickey	Fisheries and Oceans Canada	709-772-4437
Darren Hicks	NF Department of Mines and Energy	709-729-6584
Larry Hildebrand*	Environment Canada, Sustainable Communities and Ecosystems Division	902-426-2131
Marianne Janowicz*	Government of New Brunswick, Environment and Local Government	506-457-4846
Steve Kempton*	Fisheries and Oceans Canada, Canadian Coast Guard	902-426-6987
Robert Leeman	Private sector - Champlain Institute (for Brent Rowley*)	709-738-1638
Claudette LeBlanc	ACZISC Secretariat	902-494-1977
Len LeRiche	Office of Critical Infrastructure Protection and Emergency Preparedness	709-772-5522
Geoff Lewis*	Industry Canada, Energy and Marine Branch	902-426-9475
Dick MacDougall*	Fisheries and Oceans Canada, Canadian Hydrographic Service	902-426-3497
Neil MacNaughton*	Government of Newfoundland and Labrador, Government Services and Lands	709-729-3239
Keith Mercer	Fisheries and Marine Institute	709-778-0608
Kim Oxford	Canadian Association of Petroleum Producers	709-724-4203

PARTICIPANTS (cont'd)

<i>Name</i>	<i>Affiliation</i>	<i>Tel. no.</i>
Laura Park	Fisheries and Oceans Canada	709-772-8827
Faith Scattolon*	Fisheries and Oceans Canada, Oceans and Environment Branch, Maritimes Region	902-426-2065
Andy Sherin*	Natural Resources Canada, Geological Survey of Canada – Atlantic	902-426-7582
Herb Sooley	Health Canada	902-426-5575
Rob Thompson*	Parks Canada, Atlantic Service Centre	902-426-3281
Cameron Wilson*	Natural Resources Canada, GeoConnections Secretariat	613-996-6377
Students of the Coastal Zone Management Advanced Diploma Programme, Marine Institute		

1. *WELCOME AND INTRODUCTION OF PARTICIPANTS*

Mike Butler, ACZISC Chair, called Meeting #34 to order at 08:30 hrs. He thanked Leslie Grattan and Tim Anderson 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 #33*

The provisional Agenda for Meeting #34 was reviewed. The agenda was approved (attached). The draft minutes of ACZISC Meeting #33 were reviewed. The following revisions were made:

Page 7 COASTAL MAPPING: *Discussion – 1st bullet “... Remove “It might be possible to use CFI funds to pay for the report.”*

Page 15 FISHERIES AND OCEANS CANADA: *Faith Scattolon’s roundtable report ... “Aquaculture sites are being reviewed under the Canada Water Act (CWA).” **should read** ...“Aquaculture sites are being reviewed under the Canadian Environmental Assessment Act (CEAA).”*

The minutes were approved with the above revisions. The revised minutes will be posted on the ACZISC website at <http://www.dal.ca/aczisc/docs>

3. *STATUS OF ACTION ITEMS*

Action Items from Meeting #33 were reviewed. All Action Items were carried out or are in progress.

4. *UPCOMING ACZISC MEETINGS*

The schedule for upcoming meetings was discussed. Conflicting events were identified and members were polled re their availability. The following dates were provisionally selected:

- **ACZISC Strategic Planning Session: Tuesday, 29 January 2002, Fredericton**
- **ACZISC Meeting #35: Wednesday, 30 January 2002, Fredericton**
- **ACZISC Meeting #36: Thursday, 9 May 2002, Halifax**
- **ACZISC 10-Year Celebration: Date and location to be determined**

ACTION 34.1: Members to inform the Secretariat ASAP if the proposed dates for upcoming meetings are in conflict with their schedules.

5. **ACZISC WORKPLAN**

ACZISC EXECUTIVE COMMITTEE: Mike Butler reminded members that the ACZISC Executive Committee consists of Brent Rowley (Private Sector representative); Faith Scattolon (Federal representative); and Mike Butler (ACZISC Secretariat representative). The position of provincial representative on the Executive Committee has recently become vacant due to the retirement of Brad Fay from the Government of Nova Scotia. The position of First Nation representative is also vacant.

ACTION 34.2: ACZISC provincial representatives to identify a replacement for Brad Fay as the provincial member on the ACZISC Executive Committee ASAP

A meeting of the ACZISC Executive Committee was held on 4 September at BIO. Brad Fay, Brent Rowley, Faith Scattolon and Mike Butler were in attendance. Faith provided a summary of the items discussed:

ACZISC Funding: The current financial situation was reviewed by the Executive Committee and in particular the status of the federal MoU, CMP funding and proposed alternative arrangements with the Maritime Provinces.

ACZISC Membership: The identification of a First Nation representative on the ACZISC and other membership were discussed. The Executive Committee recommended that further discussion should be held with Ken Paul (First Nations), the RCMP, Agriculture Canada and Health Canada.

Format of ACZISC Meetings: It had been suggested by some members that time allocated to the Roundtable Review could be more productive if spent on detailed discussions of a particular topic. The Executive Committee did not agree and felt that the Roundtable was a very effective 'intelligence gathering' and communication vehicle and should not be changed; in-depth discussions should be carried out within working groups and workshops.

ACZISC 'Outcomes': The revised draft Outcomes document was discussed by the Executive Committee.

ACZISC Strategic Planning Session / 10 Year Celebrations: The Executive Committee was briefed on the results of discussions to date with Task Group members.

Status of the IOIC: The Executive Committee was informed by Mike Butler that the merger of the OIC and IOI Canada was now complete. The ACZISC Secretariat will continue to be based at 1226 LeMarchant Street.

ACZISC SECRETARIAT: Mike Butler reported that the merger of the 'Oceans Institute of Canada (OIC)' and the 'International Ocean Institute (IOI) - Canada' into the 'International Oceans Institute of Canada (IOIC)' has been finalized. He invited participants to attend the 1st AGM of the IOIC scheduled for Monday, 22 October in Halifax. The IOIC has invited the ACZISC Secretariat to be based at the IOIC, which is located, as were the OIC and IOI, at 1226 LeMarchant Street in Halifax. A 'letter of agreement' between the ACZISC and the IOIC will be prepared.

ACZISC MEMBERSHIP: The following was reported:

New Brunswick: Marianne Janowicz, NB Department of Environment and Local Government, has been identified as the replacement for Barry Jones who has joined DFO in St. Andrews. Réjean Castonguay will be retiring from Service NB at the end of March 2002. His replacement, David Finley, is joining Marianne in representing the Government of NB.

Nova Scotia: Brad Fay has recently retired from Service NS and Municipal Relations. Nancy Vanstone has been contacted to identify a replacement for Brad. Members requested that Mike Butler contact Brad on behalf of the ACZISC to thank him for his sound advice and his active involvement in the ACZISC since he was appointed a representative of the Government of Nova Scotia in December 1995.

First Nations: Ken Paul has indicated that he would like to return as the First Nation representative on the ACZISC and the Executive Committee. If this is not possible, other potential members will be approached.

APICS: Mike welcomed Cyr Couturier as a representative of the APICS Aquaculture Committee on the ACZISC. Mike reported that the Centre of Geographic Sciences (CoGs) in Lawrencetown, NS had recently become a member of APICS and would be sending representatives to ACZISC meetings in the future when they are held at convenient locations.

OCIPEP: Don Campbell has expressed interest in the Office of Critical Infrastructure Protection and Emergency Preparedness becoming a member of the ACZISC. Don has recently been appointed as OCIPEP senior policy advisor in emergency management. The position is based in Ottawa. Len LeRiche, Regional Director, NF and Labrador, indicated that he would be the OCIPEP representative.

RCMP: Gary Frail has indicated that the RCMP would like to be represented on the ACZISC.

Health Canada: Herb Sooley reported that HC would consider membership on the ACZISC.

Larry Hildebrand enquired if there were new developments re contacts with the Canada Food Inspection Agency (CFIA) and Agriculture and Agri-Food Canada related to membership on the ACZISC. Mike reported that he was making efforts to identify contact people. Herb Sooley stated that he would identify a person within the CFIA to contact re possible membership.

ACTION 34.3: Secretariat to contact the OCIPEP via Len LeRiche and Don Campbell re possible membership on the ACZISC

ACTION 34.4: Herb Sooley to identify a contact in the CFIA to approach re possible membership on the ACZISC

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

BUDGET / FUNDING / WORKPLAN: Mike Butler distributed copies of the updated ACZISC Budget and a Summary of ACZISC Membership Dues/Revenues (2000-2001 and 2001-2002). Copies are attached. The statements were reviewed. Mike stated that 10% of his time in 2001-2002 would be spent as the Associate Director of the Secretariat for the national DFO/SSHRC funded 'Ocean Management Research Network (OMRN)'. The OMRN Secretariat is based at Saint Mary's University. The \$10k obtained for this service will be deposited into the ACZISC account and used to pay part of his salary.

A letter sent by the ACZISC Secretariat to the CMP in January 2001 was circulated; the letter requested a three-year extension of the funding agreement between the CMP and the ACZISC. Mike reported that he was informed by the CMP in June that the priorities of the CMP were being re-assessed and that this fiscal year (2001-2002) would be the last year that the CMP would be making a contribution to the ACZISC. Alternate funding arrangements to support the ACZISC will be required by the Maritime Provinces. Recently Brad Fay and Andy Cameron have led this effort in NS. Efforts will be made to organize similar arrangements in NB and PEI. Long-term funding options include the Council of Atlantic Premiers (CAP).

Andy Cameron added that Peter Underwood, DM of NS Fisheries, had contacted the CMP re its decision to end contributions to the ACZISC. Peter was informed that the decision, made by a committee of Maritime DMs of Inter-governmental Affairs plus others, was not reversible.

Leslie Grattan stated that NF's has committed to provide funds to the ACZISC in 2002-03 and possibly 2003-04.

Faith Scattolon suggested that it might be helpful if the federal departments became involved in the discussions with the Maritime Provinces. She suggested raising the issue via the Federal/Provincial Fisheries Ministers Forum. Members agreed that this would be helpful.

ACTION 34.5: *Secretariat and provincial representatives to consider ASAP a funding approach/formula for provincial funding of the ACZISC beginning in FY 2002-2003*

ACTION 34.6: *Executive Committee to consider ASAP options for a long-term funding approach/formula for the ACZISC*

ACTION 34.7: *ACZISC members to review and provide comments to the Secretariat on the updated 2001/2002 Budget and Revenue*

Mike stated that a draft ACZISC 2002-03 Workplan would be prepared next February and that it would incorporate the ACZISC Outcomes, as suggested by Larry Hildebrand.

Discussion:

Larry Hildebrand: The sequence of upcoming ACZISC meetings and events, *i.e.* Strategic Planning Session proposed for May 2002, Workplan/Outcomes, etc, should be reconsidered in light of the CMP decision re funding for the ACZISC.

Faith Scattolon: The date of the Strategic Planning Session should be moved forward. It could be held in conjunction with the upcoming ACZISC Meeting in Fredericton.

Marianne Janowicz: It would be very helpful to the deliberations of the Strategic Planning Session if a draft 10-year Strategic Plan could be prepared in advance. The Plan could also assist the Provinces in securing funding for the ACZISC for 2002-2003 and future years.

Cyr Couturier: A consultant could be hired to prepare the ACZISC Strategic Plan.

Faith Scattolon: The Plan could be based on feedback from members. If the ACZISC budget cannot accommodate this additional expense, members could be asked to share the cost.

Mike Butler asked for suggestions from the members re appropriate consultants for this task.

ACTION 34.8: *Secretariat to consider hiring a consultant ASAP to prepare a DRAFT ACZISC 2002-2012 Strategic Plan for the ACZISC Strategic Planning Session (29 January, Fredericton) and to facilitate the subsequent Strategy Session*

ACTION 34.9: *Members to provide the Secretariat ASAP with the names of consultants capable of preparing the DRAFT ACZISC Strategic Plan and facilitating the Strategy Session*

ACTION 34.10: *Secretariat to organize an ACZISC Strategic Planning Session (29 January 2002, Fredericton) to review the DRAFT ACZISC 2002-2012 Strategic Plan and associated Terms of Reference, Mandate and Goals*

Mike Butler distributed copies of the "Draft ACZISC Outcomes - 6 September" and "ACZISC: An Overview". Members were asked to provide feedback on the Outcomes document, to identify additional outcomes and to provide examples from their jurisdiction to support the Outcomes; this is important to help secure ongoing support for the ACZISC.

Discussion:

Cameron Wilson suggested that it would be helpful if the Outcomes were grouped by topic.

Geoff Lewis reported that IC used the 'hierarchy' method for organizing reports.

Larry Hildebrand commented that the next step should be to document Inputs / Outputs / Outcomes and their relationship.

ACTION 34.11: *ACZISC members to review the draft ACZISC Outcomes and to provide feedback to the Secretariat by 16 Nov 2001*

ACTION 34.12: *ACZISC Outcomes Task Group (Secretariat, George Borgal, Andy Cameron, Larry Hildebrand) to review members' comments on the draft Outcomes and to revise it accordingly by 30 Nov 2001*

ACTION 34.13: *ACZISC Secretariat to incorporate the Outcomes in the DRAFT ACZISC 2002-2003 Workplan (to be developed following the ACZISC Strategic Planning Session)*

Provisionally it is proposed that the 10-year celebration be held in conjunction with the May meeting of the ACZISC in Halifax. It is proposed that the event should include a one-hour presentation on the 10-year accomplishments of the ACZISC to the relevant RDGs and Deputy Ministers, followed by a celebratory lunch with the members (past and present).

Faith Scattolon suggested that recent former members such as Brad Fay and Réjean Castonguay be invited to participate in the ACZISC 10-year anniversary celebrations.

ACTION 34.14: *ACZISC members to provide suggestions to Andy Sherin re the celebration ASAP*

ACTION 34.15: *Andy Sherin to organize an event to celebrate the 10-year anniversary of the ACZISC (date and location to be determined)*

COMMUNICATIONS: The ACZISC Communications Working Group is chaired by Mike Butler. He stated that, in addition to the Secretariat, ACZISC 'communication' was also the responsibility of members. Members agreed on the importance of providing relevant information to their networks of contacts when appropriate. Assistance from the Secretariat is available on request. Major communication activities include:

ACZISC Website: The website continues to be updated almost on a daily basis. Members are encouraged to submit items for inclusion in the website.

ACZISC Update: The ACZISC monthly Updates continue to be distributed by email mid-month. The Updates are also available on the ACZISC website in the 'What's New' section. Members are encouraged to submit items for inclusion in the Updates.

Mike stated that the Update distributed on 15 October contained an announcement of the special eight-part radio series entitled 'Oceans Explorations: Learning from the Oceans' which will be featured on IDEAS, a CBC Radio One program hosted by Paul Kennedy. The series is a joint project of CBC, DFO and the IOIC and will be broadcast nightly at 2105 hrs from 3-7 December, followed by three weekly programs on 13, 20 and 27 December. It will feature interviews with people from the Atlantic, Arctic and Pacific coasts, and lessons that can be learned from the oceans. Paul Kennedy will be in Newfoundland late October/early November to carry out interviews. Leslie Grattan and Tim Anderson reported that they had provided Paul with a list of potential interviewees.

Mike stated that efforts have been made to ensure that Atlantic Canada is not portrayed as 'quaint' in the series. Faith Scattolon added that Paul wants to emphasize the sustainability and technological aspects of the region. She stated that efforts must be made to ensure a wide audience for the programs and suggested that the Secretariat email a reminder of the series to the members. Claudette LeBlanc added that Paul Kennedy had indicated that the series could lead to a regular program on the oceans if it generated strong positive feedback.

ACTION 34.16: *Secretariat to email a reminder to members at the end of November re the 'Oceans Explorations' CBC Radio series*

ACZISC Coastal Zone Info: The 2-page information bulletin contains a summary of information on ACZISC activities and is distributed at appropriate workshops and conferences; a sample copy was distributed. Issues were prepared for:

- each of the CBC/DFO/OIC Oceans Explorations Public Panels held in Halifax (April), Victoria (May) and Iqaluit (June)
- two conferences held in June: CoastGIS, Halifax; and Digital Earth, Fredericton
- the Canadian Oceans Stewardship Conference held last August in Vancouver.

Larry Hildebrand requested that an issue of *Coastal Zone Info* be prepared for the upcoming Sustainable Community Workshop (Sydney, 24-26 Oct). Mike Butler added that an issue would also be prepared for the GPAC meetings in St. Andrews.

ACTION 34.17: Secretariat to prepare a Coastal Zone Info newsletter for the upcoming Sustainable Community Workshop and for the GPAC Meeting

Minutes of ACZISC Meetings: The minutes are distributed to the participants of ACZISC meetings and made available in the 'Documents' section of the ACZISC website. Their availability is announced in the ACZISC Update.

DATABASE DIRECTORY: The ACZISC Database Directory Working Group is chaired by Claudette LeBlanc; she reported the following:

- The Atlantic Canada Information Portal (ACIP) is a collaborative initiative of the ACZISC and the GeoConnections Secretariat. It is the Atlantic Canadian window on the GeoConnections Discovery Portal, the prime discovery and access component of the Canadian Geospatial Data Infrastructure. Krista Fraser, on secondment to GeoConnections from the NSGC, is responsible for the development of ACIP. She demonstrated the Portal located at <http://www.dal.ca/aczisc/portal>
- Additional work will be done to ACIP to improve functionality, etc., with emphasis on its maintenance over the long term and its usability for coastal and marine applications. For example, the map currently used for searching will be replaced with one indicating marine features. The ACZISC DDWG and other ACZISC members were asked to test ACIP for functionality and ease of use and to provide comments to Claudette.
- The Working Group proposes that ACIP become the primary metadata system for the ACZISC. There would be a transition period during which the following would take place:
 - Entries in the ACZISC Database Directory (ACDD) which are duplicated in ACIP will be removed from the ACDD.
 - Database owners currently registered in the ACDD but not in ACIP will be encouraged to either register with the Discovery Portal - assistance in this regard is available from GeoConnections, e.g., training workshops for registering metadata, or to establish a pier system to the Discovery Portal.
- The ACZISC Database Directory will continue to be maintained to house entries not registered with the Discovery Portal and thus ACIP.
- The ACZISC DDWG (and ACZISC members) will consider the future evolution and growth of ACIP beyond metadata.

ACTION 34.18: Participants to review the Atlantic Canada Information Portal (ACIP) re its functionality and ease of use and provide feedback to Claudette LeBlanc (leblancc@fox.nstn.ca) by 30 Nov 2001

ACTION 34.19: Claudette LeBlanc to organize a meeting of the ACZISC Database Directory Working Group and interested members before the next ACZISC meeting to review the comments made by members and to consider the future evolution and growth of ACIP

COASTAL MAPPING: Mike Butler reported on behalf of the co-chairs of the Coastal Mapping Working Group, Eric Theriault and Curt Speight:

- Last year a number of coastal high-resolution data collection projects were undertaken in the region. The ACZISC, the Champlain Institute and the CoGS played a coordinating role, including initial negotiations and costing re the sensors, the aircraft mobilization and some of the subsequent groundtruthing. A number of papers have been prepared and presentations made on individual components of the high-resolution data collection project:
 - A paper entitled *Applied Geomatics Research Group Research Activities Related to the Coastal Zone 1999-2000*, has been prepared by Tim Webster, Applied Geomatics Research Group, CoGS. The paper was circulated; it is available online at <http://142.227.25.130:8787/agrg/reports.html>
 - Presentations will be made at the upcoming AMRS 'Workshop on Remote Sensing and Resource Management in Nearshore and Inland Waters', scheduled for 22-24 October 2001 in Wolfville, NS. The workshop abstracts are available online at <http://www.waterobserver.org/workshop-10-2001/index.html>
 - A presentation on 'Sea-Level Rise and Climate Change Impacts and Adaptation Needs on PEI' took place in Charlottetown on 6 September; an executive summary of the presentation was circulated. The study results are available online at <http://www.nrcan.gc.ca/css/imb/hqlib/200160ea.htm>
 - Two papers were presented at CoastGIS in Halifax last June.
 - Funds are needed for the preparation of an overview report of the project, including the economic benefits resulting from the collaboration and the successes and lessons learned. This will assist in the development of new collaborative efforts.

DATA EXCHANGE AND STANDARDS: The Data Exchange and Standards Working Group is co-chaired by Réjean Castonguay, Service New Brunswick and Andy Sherin, Geological Survey of Canada - Atlantic. Andy reported on items of interest:

- A new co-chair will be needed to replace Réjean who is retiring from SNB in March 2002.
- Considerable work is being done in the US re shorelines definitions and metadata for shorelines. The FGDC website contains a metadata profile for shoreline data; the URL is http://www.fgdc.gov/standards/status/sub5_6.html.
- Sue Nichols, Ocean Mapping Group, UNB, is working on a research project which focuses on identifying marine boundaries.
- Andy will be following up on a significant shoreline study in the DFO Laurentian Region funded by GeoConnections. He suggested that a participant in the project could be invited to ACZISC Meeting #35 (Fredericton) to brief members on the project.

Mike Butler circulated an email from Cdr George Borgal in which George suggests that ACZISC members consider a meeting to discuss the exchange of data with DND on a quid pro quo basis. In addition to considering this offer, Mike stated that the Secretariat and the co-chairs of both the Coastal Mapping Working Group and the Data Exchange and Standards Working Group would review the requirement for:

- Organizing a workshop on Shoreline Definitions / Administrative Boundaries / Marine Cadastre
- Organizing a focused meeting on Data Exchange between federal and provincial members
- Preparing an overview document for the High-Resolution Coastal Mapping Project.

ACTION 34.20: Secretariat and the chairs of the Data Exchange and Standards and the Coastal Mapping Working Groups to organize a meeting before the next ACZISC meeting to consider the need for upcoming ACZISC activities and workshops

INTEGRATED COASTAL MANAGEMENT: The ACZISC ICM Working Group is co-chaired by Leslie Grattan, Government of NF and Labrador, and Faith Scattolon, DFO.

Tim Anderson reported that twenty participants had attended the ICM Working Group meeting held yesterday (16 October) afternoon at the Fisheries and Marine Institute. He provided a summary of discussions:

- Marianne Janowicz indicated that the NB Wetland Policy and the Coastal Lands Policy were in the final stage of completion. A Marine Policy is under development and various governance structures that incorporate local empowerment are being examined.
- Andy Cameron indicated that recent staff reductions in NS have affected the Province's ability to engage in new coastal initiatives. With respect to the Sustainable Communities Initiative, specific issues have been selected and consultations are underway.
- Leslie Grattan briefed participants on AquaGIS and noted that a Regional Economic Development Board in Placentia Bay has been involved in establishing a monitoring project in the Swift Current estuary.
- Tim Anderson gave a brief description of the DFO Oceans projects, including work on Large Oceans Management Area, IM projects in Conception Bay South, Bay of Islands and Placentia Bay, and the status of Marine Protected Areas.
- Steve Kempton gave an update on the status of the Interdepartmental Program Coordination and Review Committee and the proposed Maritimes Region Operations Centre, to be built near BIO.
- Geoff Lewis discussed the reorganization within IC in relation to shipbuilding and marine industrial issues, and the Technology Road Map. He also noted that one of the 5 pillars of IC is now sustainable development.
- Andy Sherin updated the participants on the status of the federal/provincial ocean mining initiative. He also provided information on the recent meeting in Charlottetown to review measures to prepare for sea level rise.
- Grant Gardner, Associate Dean of Science, Memorial University (MUN), reported on a new oceanographic facility being completed at Woody Point, Gros Morne National Park. He also noted the biological expertise in the Science Department.
- Shirley Solberg, MUN, described the Coasts Under Stress (CUS) research project. The CUS goal is to identify the important ways in which changes in society and the environment in coastal NF and BC have affected, or will affect, the health of the people, their communities and the environment.
- Barb Neis, MUN, reported on Arm2 of CUS which deals with past, present and future changes in the environment, communities and individual health. She gave an overview of Safety Net, a group formed to look at occupational health and safety in marine industries.
- Larry Felt, MUN, talked of his involvement in the GEOIDE Centre of Excellence project "Good Governance of Canada's Oceans". He described work related to examining information and boundary requirements for Oceans Governance and to the consideration of the Musquash saltwater marsh as a potential MPA under the Oceans Act.
- Peter Sinclair, MUN, provided information on the Ocean Management Research Network (OMRN) of predominantly social scientists with a Secretariat based at Saint Mary's University. Nodes include Science/Local Knowledge (Simon Fraser University), Integrated Management (University of Manitoba), and Sustainability (MUN). Peter is involved in the Sustainability Node which is planning workshops on 1) the meaning of sustainability, 2) the underlying values of sustainability, and 3) how to measure performance and achievements. The OMRN is currently funded by SSHRC and DFO.
- Bill Hickey, DFO, gave a brief overview of the development of Canada's Oceans Strategy (COS). There are hopes to include the Provinces in discussions in the near future as federal approval is anticipated for the COS document in the next month or two. This will be followed by public consultations. COS will be a dynamic and evolving document. It was also noted that the Integrated Management Framework is moving concurrently with COS.

6. **PRESENTATION: MARINE INSTITUTE'S COASTAL PROGRAMS**

Leslie Grattan introduced Keith Mercer, Chair of the Coastal Zone Management Advanced Diploma Programme at the Marine Institute. Keith briefed participants on the Program:

- The CZM Programme allows graduates of degree and diploma of technology programmes to specialize in the multi-disciplinary elements associated with integrated coastal zone management.
- The Programme is designed to equip graduates with in-depth knowledge and the practical skill necessary to be effectively involved in CZM. The graduates develop:

- An understanding of the nature of the multi-disciplinary elements involved in CZM.
- An integrated view of the problems and alternative solutions to the conflicts of multiple users of the Coastal Zone.
- The ability to manage the methodological tools required for working with stakeholders in a multi-sectoral environment.
- The ability to coordinate, direct and promote the work of multi-disciplinary groups.
- The ability to analyze, evaluate and propose actions on complex situations for decision makers and planning agencies.
- The CZM Programme has been structured into three terms:
 - The first term provides a general overview of the elements and disciplines required for CZM. It aims to standardize the background of the participants from different disciplines entering the Programme.
 - This second term provides a review and critical analysis of multiple user conflicts and interdisciplinary subjects that interact in the coastal zone. Emphasis is placed on legal and human aspects of CZM and methods and technologies.
 - The third term is a work programme. Students are placed in pertinent industries or agencies for practical work experience.
- A web-based CZM Programme is being developed for delivery by September 2002.

7. **PRESENTATION: ECONOMIC VALUATION OF NEWFOUNDLAND'S COAST**

Leslie Grattan introduced Rose Aucoin, formerly with the NF Department of Finance and currently with Fisheries and Aquaculture. Rose briefed participants on the study entitled "Economic Valuation of Newfoundland's Coast".

- The study was carried out internally within the Province using the same methodology as that used for both the NB and NS coastal/marine economic studies. Collaborators in the study include the NF Department of Finance, the NF Department of Fisheries and Aquaculture and DFO.
- To date, the study indicates that coastal resources in NF contribute 26% to the Province's GDP: 14% direct and 12% indirect.
- The report is now available in draft form. The final report will be available in 2-3 months.

Discussion:

Mike Butler reported that a similar economic study was underway for PEI. However, the PEI report will include a section on 'environmental economics' in addition to a 'traditional' GDP section. He added that the common methodology used for four Atlantic Provinces would make it possible to more easily produce a regional study.

Faith Scattolon stated that economic studies of management areas, e.g., Bay of Fundy, should also be considered.

Larry Hildebrand reinforced the need to include 'environmental economics' in future studies.

Geoff Lewis enquired if shipyard information would be available in the NF study. He added that a report entitled *Economic Study of Canada's Marine and Ocean Industries* would be soon available. The report will be available on the web after the translation is completed.

Bill Hickey, DFO, stated that the information on shipyards could be included in the NF study but that it would have to be aggregated to protect confidentiality.

8. **PRESENTATION: MARINE ENVIRONMENTAL QUALITY INFORMATION SYSTEM**

Tim Anderson introduced Laura Park, Marine Environmental Quality Coordinator with the Oceans Management Section of DFO, NF Region. She briefed participants on the Marine Environmental Quality Information System developed for Newfoundland and Labrador. Copies of her overheads are attached. Laura stated the following:

- The overall objective of the MEQ program is to provide sound advice to decision-makers for ecosystem-based planning to ensure the sustainability of marine ecosystems that support ocean-related activities.

- Indicators of MEQ include: potential sources of stress, condition of the marine environment, trends, effects/significance and linkages (cause and effect).
- To create an interactive GIS tool, the MEQ Information System combines data on marine sediment contamination, marine sewage outfalls and other potential point sources with other relevant map layers, e.g., shellfish closures, aquaculture sites, sensitive areas.
- The next steps include adding more point sources, dividing the information into separate layers for sources, sediment data and sewage data.

Discussion:

Larry Hildebrand enquired if Laura had consulted the ACZISC Database Directory prior to undertaking the project.

Laura replied that she had identified the data primarily by word of mouth.

Dave Finley added that this was the procedure followed by NB personnel in general, i.e. people contact their personal networks when looking for data.

Larry commented that more effort should be made to promote the Directory and also to gauge its utility.

Faith Scattolon added that the 'promotion/usefulness' of the ACZISC Database Directory should be considered at the ACZISC Strategic Planning Session being organized.

9. **ROUNDTABLE REVIEW OF COASTAL ZONE ACTIVITIES**

GOVERNMENT OF NOVA SCOTIA: Andy Cameron, NS Agriculture and Fisheries, reported that most CZM initiatives in NS are progressing. These include:

- Coastal Zone 2000 has evolved into the Sustainable Communities Initiative (SCI). SCI field teams in Annapolis/Fundy and Bras d'Or have chosen to adopt a 'project approach' to move ahead with community engagement. The main issues to be addressed are wharves in Annapolis/Fundy and sewage in Bras d'Or.
- Kate Moir, a key player in the MOU process involving the federal and provincial environment and fisheries agencies, has left the NS Department of the Environment to take a position with Environment Canada in Ottawa.
- The Province is continuing to monitor developments re the Southern Gulf of St. Lawrence Coalition on Sustainability.
- The Province is reviewing ESSIM (Eastern Scotian Shelf Integrated Management) and a proposal for integrated management in the Gulf of Maine/Bay of Fundy.

FISHERIES AND OCEANS CANADA: Tim Anderson, DFO NF, reported the following:

- On Oceans Day, 8 June, DFO Minister Herb Dhaliwal announced Leading Tickles on the northeast coast of NF as an Area of Interest (AOI) in the Marine Protected Area Program. The proposed area is ~50 km². Efforts are now aimed at:
 - Establishing a local Steering Committee
 - Undertaking consultations with interested/affected parties
 - Compiling existing information, identifying data gaps and acquiring the data and information required for making an informed decision on MPA designation.
- Work continues on oceans-related projects. Highlights include:
 - A project is being undertaken to define large oceans management area boundaries and development of supporting rationale and ecosystem objectives for these areas.
 - Baseline data is being collected for Leading Tickles, including multi-beam acoustic data that will be processed into a 3D visual graphic of the seafloor. Substrate type data collected using a QTC Viewer will be incorporated into the 3D graphic.
 - Sensitive areas in Placentia Bay are being documented. Through a review of existing scientific information and extensive consultations with local interests in the coastal communities of Placentia Bay, sensitive areas will be identified, e.g., capelin spawning beaches, critical habitats, migration routes, etc.
 - Zooplankton samples collected in Gilbert Bay by MUN in the last 4 years are being analysed. Analysis will indicate species represented, stage of development, distribution throughout the Bay, etc. and will be used in evaluating requirements for MPA status.

Faith Scattolon, DFO Maritimes Region, reported the following:

- The Regional Development Authority (RDA) in Guysborough County, NS prepared a proposal last year to develop a framework for aquaculture siting. Federal and provincial agencies were approached and DFO and the NS Department of Agriculture and Fisheries are now partners in the project.
- A well-attended two-day Workshop of the Eastern Scotian Shelf Integrated Management (ESSIM) federal/provincial working group was held in September. Discussions focussed on the regulatory roadmap of the ESSIM area, an 'issues' paper for the management area, as well as the need for an outcomes document. DFO is continuing to build a GIS database in support of ESSIM; the work is being done in collaboration with various government departments and universities. Data layers include:
 - sector activities and associated management zones: fisheries; oil/gas; shipping; submarine cables; potential mining; naval operations; etc.
 - ecological layers: bathymetry; surficial geology; ecosystem types/classification; etc.
- A Science Workshop on Benthic Habitat Characterization was held at BIO in June. The proceedings will be posted on DFO's Regional Advisory Process (RAP) website.
- Recent discussions, both bilateral and in a broader forum, with the Scotia Fundy fishing industry have resulted in positive outcomes in terms of the industry looking at needed changes in fisheries management governance so that the industry can meaningfully participate in integrated oceans management. The Scotia Fundy fishing industry will be forming a 'Fisheries Ecosystem Working Group'; it will have its inaugural meeting in January.
- DFO Maritimes has five data rescue projects underway related to: biological tagging databases; physical and biological oceanography, seaweed research data; preservation and data inventory of diadromous scale sample collection; recovery of phytoplankton monitoring data, contaminant data and research cruise sample data.
- DFO is nearing completion of a GIS project to map marine commercial vessel traffic in the Atlantic Region. The maps will be made available when completed.
- A meeting is provisionally scheduled for May in Halifax to discuss a virtual data centre. Bob Branton is leading this initiative.

Steve Kempton, Canadian Coast Guard, reported the following:

- In September, the Interdepartmental Programme Coordination and Review Committee (IPCRC) decided to cease functioning. This committee was set up to better coordinate interdepartmental marine programmes, as recommended in the 1990 Osbaldeston Report. The Atlantic Operations Sub-Committee, a sub-group of IPCRC, is presently chaired by the Regional Director, CCG Maritimes; it will be holding a meeting in December to determine the way ahead regarding the issues that the AOSC has been addressing.
- CCG Maritimes is taking the lead in a Maritimes Regional Operations Centre Working Group (MROC WG). The WG is tasked with drafting the concept of operations for a new interdepartmental MROC planned for the Government of Canada Building, possibly to be built near the BIO site by 2005-06. The WG is presently comprised of representatives of DFO sectors; EC will be included in the WG, as will representation from other government departments and agencies which control or use civilian government fleet assets.
- The Navy is requesting CCG cooperation in upcoming operational evaluations of the High Frequency Surface Wave Radar (HFSWR) being tested near Bonavista, NF.
- CCG Maritimes continues to provide representation to both the Annapolis Fundy and Bras d'Or Field Teams of the Sustainable Communities Initiative.

Dick MacDougall, Canadian Hydrographic Service, reported the following:

- CHS has had a busy survey season with both the CREED and MATTHEW in NF. Surveys have been carried out in St. Georges Bay, Notre Dame Bay, St. Anthony and Red Bay. Multibeam surveys will be carried out in Bras d'Or in November in support of Science.
- Next year CHS plans to focus its survey work in Labrador; consultation meetings will be held this fall to establish priorities.

- The major thrust of the Program Integrity funding (\$9.7M in 2001-02 and \$4.8M in 2002-03) will be on historical problems with old charts. 120 of the 173 off-datum charts will be referenced to a system that will allow them to be used directly with GPS. At present only 117 of 290 charts in Atlantic Canada can be used directly with GPS. Also, there are plans to make 135 unilingual charts bilingual.
- Another aspect of Program Integrity is the preparation of CHS for the future. Paul Bellemare has been tasked with conducting a feasibility study to determine if a business case can be made for a government/academia/industry owned and industry operated SHOALS airborne marine laser system for Canada. Gary Rockwell leads a similar study of options for mounting multibeam sounding systems on vessels of opportunity. The goal is to find options that do not include dry docking the vessel and cutting large holes in the hull to mount transducers.
- The CCAF project on the impacts of climate change and sea-level rise on the coast of PEI highlighted the need for better coordination of operational oceanography. Expertise, which exists in several places (CHS, DFO Ocean Science, Dalhousie University, EC), can be brought together for specific projects such as the CCAF PEI project. This results in models for specific cases; however, these cannot run continuously or be accessible for other purposes. Dick MacDougall and Mike Sinclair are going to bring relevant players together to discuss the concept of a centre for operational oceanography.
- Funding is still being sought for SeaMap. The University of New Brunswick has been contracted to create “fly-throughs” of the continental shelf for inclusion in the new multibeam imagery of the Gully. Consideration will be given to packaging the imagery to further illustrate the potential of the SeaMap concept. A video that focuses on the applications of SeaMap-type data was shown to the meeting attendees.

NATURAL RESOURCES CANADA: Cameron Wilson, GeoConnections, reported the following:

- Geomatics Canada is fostering a more integrated organisation as championed by the Earth Sciences Sector ADM. Geomatics Canada includes the Canada Centre for Remote Sensing, Legal Surveys Division, Geodetic Division, GeoConnections and Mapping Services Branch (Airphoto, Aeronautical and Topographic).
- GeoConnections Access: Activities include customer support, training, funding agreements, liaisons and systems development or integration. Items of note for ACZISC members include:
 - The ACZISC Portal (<http://www.dal.ca/aczisc/portal>) is the Atlantic Canadian window on the GeoConnections Discovery Portal.
 - The Public Agency Content and Connectivity Program is focussing on federal departments and the provinces. Funding has been provided to the Ocean Portal (DFO), the Canadian GeoScience Knowledge Network, and the National Forestry Information System. Agreements are near finalisation with the Province of Newfoundland and Conservation Data Centres. Several more are under negotiation.
 - Coordination continues with the Open GIS Consortium, NASA’s International Directory Network, the Federal Geographic Data Committee, ISO/CGSB/ANSI (ISO-TC211-19115 metadata profile), ESRI, and Autodesk.
 - Systems development and integration activities are currently focussing on the development and migration to version 3 of CEONet technology and associated data models. During the migration phase suppliers may be contacted to update a specific field or issued a new password. Future activities include a focus on integration with other infrastructures.
 - Over a one year period (October 2000 to September 2001) the access node increased the number of registered Canadian organizations by 13.1% to 535, products by 42.5% to 919 and searchable databases by 11% to 118.
 - The Canadian Earth Observation Network (CEONet) of the Access Program, now called GeoConnections Discovery Portal, was awarded a “Technology in Government” Gold Medal on 15 October 2001.
- GeoConnections Framework: Two projects have been approved:
 - The delivery of offshore bathymetric information by CHS. However, the project has been postponed until next fiscal year.

- A project from the Institut Maurice-Lamontagne to try to define the coastal zone or limit in the St-Lawrence (that could then be applied throughout the country).
- Data Policy: An implementation plan is being developed to move forward on the KPMG data costing study.

Krista Fraser, GeoConnections Atlantic, reported that her recent efforts have been focused on the following:

- Developing the ACZISC Atlantic Coastal Information Portal available at <http://www.dal.ca/aczisc/portal>. Feedback would be appreciated.
- Organizing a workshop in St. John's to train provincial government personnel to register products with the GeoConnections Discovery Portal.
- Working with PEI government personnel to register products with GeoConnections.
- Producing a listing of the data products, organizations and services currently registered with GeoConnections. A copy is attached.

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

- As part of GSC Atlantic's continuing work on ice scour hazards on the Grand Banks, GSCA conducted ROV inspections of fresh ice scours from icebergs and of several older scours that the GSCA had been monitoring. The ESRF-funded work will continue next year with a multibeam survey of the scours. Any one interested in contributing to expanding the scope of the survey should contact Gary Sonnichsen at tel 902-426-4850 / email sonic@agc.bio.ns.ca
- Historical sea level studies are continuing in the fjords of NF using GSCA and CHS multibeam data. Information about Bonne Bay, in poster form, will soon be available as a GSC Open File.
- GSCA conducted a sampling and multibeam acquisition cruise in two locations in Notre Dame Bay this summer to study metals concentration in sediments near locations where mine tailings were disposed at sea. Data reports will be available shortly.
- GSCA has conducted a climate change impacts and adaptations study in Conception Bay South in collaboration with Norm Catto (MUN) and David Liverman (Government of NF and Labrador). The work will be used in a Masters thesis. More information can be obtained from Norm Catto. Follow-up work is planned with the new round of CCAF funding.
- A successful public meeting was held on 6 September in Charlottetown to present the results of the CCAF funded studies for Charlottetown and the north shore of PEI. The study included recommendations for the City and the Province on appropriate adaptation measures to take in order to mitigate flooding and erosion hazards identified by the study. A summary of the findings is available at <http://www.nrcan.gc.ca/css/imb/hqlib/200160ea.htm>.
- GSC Open File 4020: Aerial Video Surveys: The Coastline of Nova Scotia: Part 3 Atlantic Coast (Halifax to Cape North) is now available. Soon to be available is a new coastal video for Pictou County, NS, including a report that compares anthropogenic change in the coast identified by comparing a video flown in 1988 and the video flown in 2000. This work is an extension of the project funded under the Canadian Rural Partnership Program and partnered with the Pictou Harbour Environmental Protection Program (ACAP) and the ACZISC.
- GSCA is conducting a scoping project to determine its clients' needs for physical coastal process research, information and advice. A draft questionnaire has been circulated to provincial and federal members of the ACZISC. Members are asked to provide comments to Andy Sherin ASAP.
- NRCan has released its 2nd Sustainable Development Strategy, which is available at http://www.nrcan.gc.ca/dmo/susdev/index_e.html. The 2001 report of the Commissioner on Environment and Sustainable Development has also been released and has an interesting section on the Great Lakes and the St. Lawrence River Basin (available at http://www.oag-bvg.gc.ca/domino/cesd_cedd.nsf/html/menu3_e.html).
- Participants at a recent meeting held at Gros Morne in NF discussed the development of geo-indicators, *i.e.* geoscience-based indicators of environmental health. Don Forbes and John Shaw from GSCA and David Liverman from the Government of NF and Labrador attended. More information will be available at the next ACZISC meeting.

GOVERNMENT OF NEW BRUNSWICK: Marianne Janowicz, Environment and Local Government, reported the following:

- The reorganization of the NB Department of the Environment and Local Government (DELG) has provided an opportunity for some interesting integration through the newly created Sustainable Planning Branch. The Branch includes a sustainable planning section responsible for environmental planning; a community planning section with land use planners who review and assist in the creation of municipal and rural plans; and a water section which addresses issues related to drinking water and the marine environment. The staff is still learning how to integrate the various tasks but the final outcome should be an ecological approach to water and land planning.
- The water section is working on marine planning which will become part of an integrated coastal plan. Marine planning has its legislative authority under the water quality regulations of the Clean Environment Act. The Sustainable Planning Branch is considering the development of a planning approach that relies on coastal communities to identify acceptable and non-acceptable activities in specific areas. Overriding the local vision will be guiding principles that reflect the legislative requirements and direction of government. This will be a joint effort between the federal, provincial and local government at the coastal community level.
- The Wetlands Policy, spearheaded by the NB Department of Natural Resources and Energy (DNRE), and the Coastal Policy, spearheaded by DELG, are being operationally implemented and are in the final stages of adoption by government. Both policies will be incorporated into the provincial Environmental Assessment process. The Coastal Policy, to be released to the public later this fall, is resulting in interesting discussion regarding siting of projects that might be located on coastal features. An example is dykelands, which are traditionally used in NB as the location for municipal sewage treatment facilities.
- DELG is still involved in assisting local groups to move toward water classification on the rivers and lakes in their area. The Environmental Trust Fund provides funding to groups for this classification work.
- DNRE and DELG are working together in support of a data warehouse that will house historical fisheries and resource data from the two departments.

Dave Finley, Service New Brunswick, reported the following:

- The Canadian Council on Geomatics (CCOG) will be meeting in Fredericton on 22-24 October. Topics for discussion include: geodetic update, PLANET (a comprehensive, integrated, online source of land registration, assessment, mapping and information services), GeoConnections, and marine issues. Roger Gaudet is the coordinator.
- Approximately 700 people from 30 countries attended Digital Earth 2001 held on 24-28 June 2001 in Fredericton. The conference integrated five events: the 2nd International Symposium on Digital Earth, the Canadian Conference on Geomatics, the Canadian Institute of Geomatics Annual General Meeting, TExpo, Geomatics Atlantic, and the CEOS EO/GEO Workshop. The abstracts and some papers are available at <http://www.digitalearth.ca>
- The Province is addressing administrative boundaries and may propose the location of the Province's marine boundary to initiate debate on this issue. The Province is also collaborating with UNB (Sue Nichols) on the "Good Governance of Canada's Oceans: The Use, Value and Potential of Marine Boundary Data", a Research Project with the GEOIDE National Centre of Excellence Network.

APICS: Cyr Couturier reported on the Atlantic Provinces Council on the Sciences:

- AquaNet, the Network of Centres of Excellence in Aquaculture, is seeking new proposals on socio-economic issues in aquaculture. Deadlines are: 5 November 2001 for the submission of a Letter of Intent, and 5 January 2002 for the submission of Proposals. Details are available at <http://www.aquanet.ca>.
- The proceedings of the 17th Annual Meeting of the Aquaculture Association of Canada held in May 2000 in Moncton are available in the April 2001 issue of the Association's Bulletin. Copies will be provided to the Secretariat for distribution to ACZISC members.
- Andrew Boghen, Université de Moncton, has submitted a proposal to the Atlantic Innovation Fund for shellfish research.

OCIPEP: Len LeRiche reported on the Office of Critical Infrastructure Protection and Emergency Preparedness (formerly EPC – Emergency Preparedness Canada):

- The agency's mandate has been expanded to include infrastructure protection as a result of the protection measures associated with Y2K.
- A Biological Emergencies Workshop is scheduled for 25 October at the new Joint Emergency Operations Centre in Dartmouth.

ENVIRONMENT CANADA: Larry Hildebrand reported the following:

- The annual ACAP conference will be held in Sydney, NS on 25-26 October; it will focus on the theme of sustainable communities. Entitled 'The Path Toward Sustainability', the event will feature presentations and facilitated workshops on linking the environment / economy / society with an ecosystem approach; First Nations' perspectives; how to grow a green community; and connecting environment and health. There will also be sessions on measuring progress toward sustainability, sustainable economic development, planning for sustainable communities, and the development and use of indicators.
- Larry participated as part of a Canada-US-UK Countryside Exchange Team in the Highlands of Scotland in early October. The Team worked with a small coastal community (Lochaline) that is facing many challenges. The Team worked intensively with the community for one week and helped them to develop a plan for their future sustainability. Several Atlantic organizations are currently discussing the possibility of bringing three Exchange Teams to the Maritimes in 2002.
- EC-Atlantic is undertaking an internal review re its involvement in the 5 major ecosystems in the Atlantic Region: Bay of Fundy/Gulf of Maine; Eastern NS/Scotian Shelf; Southern Gulf of St. Lawrence; Newfoundland/Grand Banks; Labrador/Shelf. The goal of the review is to clearly articulate EC's desired outcomes in each of these ecosystems, the current level of human and financial resource investments being made, and a clear strategic plan for future investment and involvement.

Discussion:

Andy Cameron enquired re details of a recent WWF proposal re capacity development in communities.

Faith Scattolon explained that a National Voluntary Sector Initiative proposal had been submitted to Treasury Board by the WWF in conjunction with ENGOS. The aim of the proposal is to develop capacity for policy development to enable ENGOS to better deal with governments. Mike Berthiaume, National Voluntary Sector Coordinator (tel 613-990-1297), is the contact person within DFO.

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR: Leslie Grattan reported the following:

- The Province has made a major contribution to the study "Economic Valuation of Newfoundland's Coast".
- AquaGIS is a comprehensive system to collect, manage and distribute aquaculture information. It was designed as a tool for selecting aquaculture sites. AquaGIS was taken over by the Department of Fisheries and Aquaculture in 2000. For information, access the website at <http://www.aquagis.com/> and the attached 1-page document.
- A Task Force on Oceans was established at a recent meeting of the federal/provincial Canadian Council of Ministers of Fisheries and Aquaculture. It will be co-chaired by NF/Labrador and BC.
- During this month, public meetings are being held throughout NF and Labrador to seek people's views on two new proposed provincial acts: the Environmental Protection Act and the Water Resources Act. The Acts are available on the Department of Environment website at <http://www.gov.nf.ca/env>

Neil MacNaughton reported on three 2001-02 Projects of interests to AZCISC members:

- Connecting and Sharing Geospatial Data in NF and Labrador (GeoConnections Access Node project with multi-departmental participation). Outcomes include:
 - Provincial Discovery Portal for geospatial data;

- Web mapping service to provide base map viewing by the public (all currently available scales; CGDI and OGC compliant data and service; images generated on-the-fly from vector data files;
- Web mapping service to facilitate automatic ordering and delivery of vector map files;
- Web mapping service to portray existing Crown Titles and to facilitate online, real-time application process for new Crown titles;
- Connection to the web posting of the administrative boundaries from the other current GeoConnections project (described below);
- Connection to other web mapping services in Forestry, Geology and Aquaculture (others to be determined)
- Support to NF Hydro towards a new web mapping service.
- Administrative Boundaries in NF and Labrador (GeoConnections Framework Node project with multi-departmental participation). Outcomes include:
 - Web ready, base map compliant, boundaries for all Municipalities and Planning Districts; web ready Provincial and Federal electoral districts, parks and ecological reserves; web ready provincial economic zones; and data posting and maintenance by the source agencies.
- 1:10,000 Digital Orthophoto Resource Mapping pilot project (dual-partner participation - more needed). The project supports the NF Forest Service forest inventory project covering 17,000 km². Outcomes include:
 - Digital elevation model, digital orthophotos, drainage vectors including shoreline (expected accuracy < 5m.); web posted data (eventual); 6,000 km² completed in 2001-02; and cost sharing commitments to continue the program.

CCMC and NATI: Randy Gillespie reported on the Canadian Centre for Marine Communications and NATI:

- The CCMC operates three core programs and several initiatives related to: information application requirements of the marine community; the development of shipboard IT products and services; and marine radio and satellite communication technology and applications. Project proposals are welcome. Guidelines for submission and information are available at <http://www.ccmc.nf.ca/corporate/program/index.htm>
- The name of the Newfoundland and Labrador Association of Technology Industries has been officially changed to NATI.

INDUSTRY CANADA: Geoff Lewis reported the following:

- On 9 October, Minister Tobin announced \$20 million to develop an ocean technology cluster in St. John's.
- IC formed a new Energy and Marine Sector Branch on 5 September. The Director General is Bruce Bowie. The Directors are Richard Domokos (Marine) and Glen MacDonell (Energy).
- The Steering Committee of the Marine and Ocean Industry Technology Road Map (TRM) will hold its 1st meeting on 2 November. The TRM will be chaired by Barbara Stanley of NB. Meetings are planned in St. John's, Halifax, Saint John, etc. An Economic Study of Canada's Marine and Ocean Industries will be presented as background information for the TRM. Anyone interested in being involved should contact Geoff.
- The competition for Regional Executive Director Atlantic for IC is ongoing.
- An Atlantic Canada Pavilion and an AMRS Operational Oceanography and Remote Sensing Symposium are being organized for Oceanology International in London, UK from 5-8 March 2002. The deadline for submitting papers to Oceanology and the Remote Sensing Symposium is approaching. Refer to <http://www.oceanologyinternational.com> for details. Anyone interested in participating should contact Geoff.
- The Federal Government response to the Shipbuilding Task Force was announced in June; details are available at <http://www.strategic.ic.gc.ca/shipbuilding>. Plans for new government vessels were specifically excluded as this topic is still under review. A report on shipbuilding procurement is anticipated later this year.

PARKS CANADA: Rob Thompson reported that Bill C-10, "An Act respecting the national marine conservation areas of Canada", received 1st reading in February; the Act was referred

to a Standing Committee in May. Several groups appeared before the Standing Committee, making a wide range of comments. The Committee may be resuming consultations. The Act is available at http://www.parcscanada.gc.ca/nmca/nmca/act/index_e.html

The National Conference on Protected Heritage Areas is scheduled for 29-31 October in Halifax. Approximately 160 people are registered.

UPDATES ON ACZISC RELATED PROGRAMS

BAY OF FUNDY ECOSYSTEM PARTNERSHIP: Larry Hildebrand reported that BoFEP would be holding its AGM in Sackville, NB on 2 November; the meeting is open to all interested individuals. The 5th Bay of Fundy Science workshop will be held in May 2002 in Wolfville, NS. Further Information on BoFEP is available at <http://www.auracom.com/~bofep/>

COASTGIS: Andy Sherin reported that the CoastGIS 2001 proceedings would be published in the spring of 2002 as a Geological Survey of Canada Bulletin. CoastGIS 2003 will be held in Genoa, Italy.

COASTAL ECONOMIC STUDIES: Discussed following the presentation on the NF study – refer to item #7 on page 10.

COASTAL ZONE CANADA ASSOCIATION AND CONFERENCES: Larry Hildebrand reported that the next CZC conference would be held in Hamilton, Ontario on 24-28 June 2002. The theme is 'Managing Shared Waters: Capacity Building for Sustainable Transboundary Coastal Ecosystems'. A call for papers will be issued shortly.

Tim Anderson and Leslie Grattan reported that an invitation to consider holding CZC 2004 in St. John's is under consideration. A response is expected in November. The establishment of a NF/Labrador chapter of the CZCA is also being considered.

FUNDY FORUM: Claudette LeBlanc reported that the Fundy Forum 10th Timed Discussion is planned for 29 October to 9 November on the topic of Marine Biological Invasions. This is a follow-up to the Workshop held in Halifax this past spring. To register, access the Fundy Forum website at <http://www.fundyforum.com/tdlistserver.html>. Past discussions are archived at <http://www.fundyforum.com/tdarchives.html>.

GULF OF MAINE COUNCIL ON THE MARINE ENVIRONMENT / GOMINFOEX / GLOBAL PROGRAMME OF ACTION COALITION FOR THE GULF OF MAINE: Andy Cameron reported that the next GoM 5-Year Action Plan is nearing completion. Three workshops are being planned for the winter re the Minas Basin project.

Faith Scattolon reported the following on behalf of Paul Boudreau:

- The GoM will be reviewing and updating its website located at <http://www.gulfofmaine.org>. Comments are sought – contact Paul at boudreaupr@mar.dfo-mpo.gc.ca.
- The Gulf of Maine Environmental Information Exchange (GOMINFOEX) has begun to develop a digital library for the Gulf of Maine.
- Work on the GOMINFOEX e-Atlas, People Finder and participants mapping continues – details are available at <http://www.gominfoex.org>.
- The next GOMINFOEX meeting is scheduled for 6-7 December in Eastport, Maine.

MARINE GEOSPATIAL DATA INFRASTRUCTURE: Randy Gillespie reported on MGDI, the marine component of the Canadian Geospatial Data Infrastructure (CGDI):

- Efforts are being made by the Marine Advisory Committee (MAC) to promote and raise awareness for the MGDI. Three ACZISC members are on the MAC: Mike Butler, Andy Sherin and Randy.
- Within the MGDI context, the CHS has initiated an R&D project called "Ocean Portal" to

use its geomatics expertise and base charts to access and extract knowledge from DFO's various data holdings using a geospatial platform. The Ocean Portal also links to the Government on Line initiative.

- An MGDJ Project Implementation Office (PIO) has been established at 200 Kent Street in Ottawa. David Pugh is the Coordinator. MGDJ project proposals will be developed by the PIO for submission to GeoConnections.

OCEAN MANAGEMENT RESEARCH NETWORK: Mike Butler reported on the OMRN. He distributed a 1-page description of the Network (attached):

- The OMRN aims to link all those across Canada with an interest in research relating to the management of ocean uses.
- Funded initially by DFO and SSHRC, the Network includes researchers in the humanities and social sciences, as well as interested natural scientists, ocean-oriented organizations, industry members, community and regional organizations, and governmental staff.
- The network supports participants in improving communications, facilitating the discussion of research initiatives, disseminating research results, and funding graduate students and training activities.
- The OMRN Secretariat is based at Saint Mary's University. Alison Evans is the Program Director (omrn@stmarys.ca).

10. **ANNOUNCEMENTS AND PUBLICATIONS**

Larry Hildebrand announced the following:

- Oceans and Coasts - Rio +10 is scheduled for 3-7 December 2001 at the UNESCO Headquarters in Paris, France. The theme of the global Conference is *Assessing Progress, Addressing Continuing and New Challenges*.
- 19 October is the deadline to apply for the position of Executive Director for the Atlantic Canada Conservation Data Centre (AC CDC). The AC CDC is mandated "to assemble and provide information and expertise on species at risk and natural communities, and to undertake field biological inventories, in support of decision-making, research and education in Atlantic Canada". For information, access <http://www.accdc.com/>.

Mike Butler reported that the Maritime Awards Society of Canada and the Marine Affairs Program of Dalhousie University are presenting a discussion of "Moratoria on Oil and Gas Development in the Canadian Offshore". The event will take place on 22 October in Halifax.

11. **OTHER BUSINESS**

No new business was discussed.

12. **ADJOURNMENT**

ACZISC Meeting #34 adjourned at 16:30 hrs.