

# MINUTES OF ACZISC MEETING #25

## *Atlantic Coastal Zone Information Steering Committee*

*Date:* Friday, 9 October 1998 - 0830 hrs.

*Location:* Madawaska Room, Agriculture Research Station  
Lincoln Road, Fredericton, NB

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<b>NAME</b>	<b>AFFILIATION</b>	<b>TEL. NO.</b>
<b>Present:</b> * indicates ACZISC member		
Rima Ammouri	University of New Brunswick	(506) 455-1474
Tim Anderson*	Fisheries and Oceans Canada, Newfoundland Region	(709) 772-2852
Tillmann Benfey	Atlantic Provinces Council on the Sciences (APICS)*	(506) 452-6293
William Blight*	Public Works and Government Services Canada	(902) 496-5160
Michael Butler*, Chair	Council of Maritime Premiers and Oceans Institute of Canada	(902) 494-1977
Andy Cameron*	Province of Nova Scotia	(902) 424-0406
Réjean Castonguay*	Province of New Brunswick	(506) 453-3917
Brad Fay*	Province of Nova Scotia	(902) 424-4966
Randy Gillespie*	Canadian Centre for Marine Communications and NATI	(709) 579-4872
Larry Hildebrand*	Environment Canada	(902) 426-9632
Kevin Hynes	Intergovernmental Affairs Secretariat, Government of Newfoundland and Labrador	(709) 729-2980
Barry Jones*	Province of New Brunswick	(506) 444-5749
Claudette LeBlanc	ACZISC Secretariat	(902) 494-3879
John Legault	Fisheries and Oceans Canada (for Faith Scattolon*)	(506) 851-6221
Neil Munro*	Canadian Heritage	(902) 426-2797
Kenneth Paul*	First Nations, Atlantic Canada	(902) 426-3497
Andy Sherin*	Natural Resources Canada	(902) 426-7582
Eric Theriault*	Environment Canada	(902) 426-9558
Jane Tims	NB Department of the Environment	(506) 457-4846
Jeff Walker	ADI Ltd	(506) 452-9000

### 1. **WELCOME AND INTRODUCTION OF PARTICIPANTS**

Mike Butler, ACZISC Chair, called Meeting #25 to order at 08:30 hrs. He welcomed members and guests and thanked Réjean Castonguay for making arrangements for the meeting room and the Province of New Brunswick for providing lunch. A roundtable introduction of all participants followed.

## 2. **ADOPTION OF AGENDA, AND REVIEW AND APPROVAL OF MINUTES FOR MEETING #24**

The provisional Agenda for Meeting #25 was reviewed and approved (copy attached).

The minutes of ACZISC Meeting #24 were reviewed and the following revisions were made:

**Page 11 CANADIAN HERITAGE:** *Neil Munro provided corrections to his roundtable report. The revised report follows:*

- Bill C-29 was approved by the House of Commons on 2 June; it awaits Senate approval. It will establish Parks Canada as a separate service agency by the end of the year.
- Bill C-47, an Act to create National Marine Conservation Areas, was tabled in the House of Commons on 11 June. It has been sent to Parliamentary Committee for review. Twenty-nine natural regions have been identified which will provide representative samples across Canada. The sites also will appear on the DFO list of Marine Protected Areas. Further information is available from the Parks Canada website at <http://parkscanada.pch.gc.ca>
- The public consultation program has been completed for the proposed Greenwich adjunct to PEI National Park. Lands are to be transferred from the Province to the federal government. The Island Nature Trust has been actively involved.
- A meeting was held on 15 June re Rustico Island, now called Robinson Island. There is debate as to whether it should become an island again by removing the causeway which connects it to the PEI mainland. Community people and mussel growers have concerns about the effects of the causeway. More dialogue and research will be pursued.
- In NS, proposed conservation areas are located on the Scotian Shelf. Cape Sable-Roseway Basin and the Canso Islands are areas that would likely qualify for further consideration. Public consultations have not been initiated.
- In Newfoundland, public consultation has been active re the proposed Bonavista-Funk Island site off the northeast coast of Newfoundland.

**Page 13 FISHERIES AND OCEANS CANADA:** *Tim Anderson provided a correction to the 3<sup>rd</sup> bullet of his roundtable report: "The CZRI information is being incorporated into AquaGIS (Aquaculture Geographic Information System), a \$20 million initiative funded under a Canada/Newfoundland Agreement on Economic Renewal." **should read** "The CZRI information is being incorporated into AquaGIS (Aquaculture Geographic Information System), a \$500K initiative funded under a Canada/Newfoundland Agreement on Economic Renewal."*

**Page 15 PRINCE EDWARD ISLAND:** *Brad Fay provided a correction to the 4<sup>th</sup> bullet of the PEI roundtable report: "PEI will be developing internet access to land information, based on GeoLinc and the NB and NS systems." **should read** "PEI will be developing internet access to land information, **similar to** GeoLinc and the NB and NS systems."*

The minutes were approved with the above revisions. The revised minutes will be posted in the ACZISC website at <http://is.dal.ca/aczisc/info.htm>.

## 3. **STATUS OF ACTION ITEMS**

Action Items from Meeting #24 and those outstanding from previous meetings were reviewed. All Action Items were carried out or are in progress other than the following:

**ACTION 23.8 ACZISC Communications Working Group to review the requirement for an ACZISC Mailing List ASAP.**

**STATUS:** This has not been done but will be addressed by the Working Group prior to the next meeting.

***ACTION 23.12 ACZISC Secretariat to contact the chair of the federal Working Group on ICZM (4 NR Committee) to discuss the preparation of Guiding Principles for Data Distribution Policies.***

**STATUS:** This has not been done but will be addressed by the Secretariat prior to the next meeting.

#### 4. **ACZISC WORKPLAN**

**MEMBERSHIP:** Mike Butler reported on the status of ACZISC membership:

Fisheries and Oceans Canada, Newfoundland Region: Tim Anderson was welcomed as the representative of DFO Newfoundland Region on the ACZISC. Tim has attended several ACZISC meetings as an observer.

Province of Newfoundland: The Province will be reviewing its participation on the ACZISC. Mike welcomed Kevin Hynes, Nfld and Labrador Intergovernmental Affairs Secretariat, who is attending the meeting as an observer. Kevin will be reporting on the meeting deliberations to Andrew Noseworthy, Deputy Minister, Intergovernmental Affairs Secretariat.

First Nations: Ken Paul who represents First Nations on the ACZISC has transferred from DFO/Canadian Hydrographic Service to DFO/Aboriginal Fisheries.

Industry Canada: Mike commented that Industry Canada's participation on the ACZISC will be pursued.

***ACTION 24.3: ACZISC Secretariat to contact Industry Canada prior to next meeting to review the potential benefits of the Department retaining its ACZISC membership.***

Agriculture and Agri-Food Canada: Efforts are being made to identify a representative from the Department.

***ACTION 25.1: ACZISC Secretariat to continue discussions with Agriculture and Agri-Food Canada re ACZISC membership.***

*Discussion:*

Ken Paul enquired if Forestry should be represented on the ACZISC.

Andy Sherin commented that as the representative of NRCan he represented all of its sectors on the ACZISC, including Forestry.

Larry Hildebrand suggested that the Secretariat also contact Health Canada re membership.

***ACTION 25.2: ACZISC Secretariat to contact Health Canada prior to the next meeting to discuss their potential membership on the ACZISC.***

Mike commented that he would be contacting members who are not active participants to inquire re their commitments to the ACZISC.

An up-to-date list of ACZISC members with mailing and email addresses, and telephone and fax nos. is attached.

**WORKPLAN/BUDGET/FUNDING:** Mike Butler reported the following:

- The 1998/99 ACZISC Workplan was distributed to members in June. Members were asked for feedback.

***ACTION 25.3: ACZISC members to further review the ACZISC Workplan and Budget and contact the Secretariat with comments ASAP.***

- Copies of the 1998/99 budget were distributed (copy attached).
- Because of the \$21K revenue shortfall in the budget, funds will run out after December.
- The joint NRCan/ACZISC Canada Rural Partnership project being planned for the Pictou area may generate a small amount of revenue for the ACZISC.
- The federal members on the ACZISC are finding it difficult to agree upon a formula re a federal contribution to the ACZISC which matches the provincial contribution made via the CMP.
- The NS Federal Council have been approached to try and resolve this situation. The Council has senior representation of RDGs, DGs and senior directors. It is chaired by Wynne Potter, Vice-president, ACOA Nova Scotia.
- The Secretariat is based at the Oceans Institute of Canada. The Institute is being reorganized and may have a closer relationship with Dalhousie University. There is a possibility of obtaining funds through an arrangement with Dalhousie and the OIC.

Members agreed that a meeting be scheduled ASAP with the NS Federal Council to discuss federal funding for the ACZISC.

***ACTION 25.4: ACZISC Secretariat to organize a meeting with the NS Federal Council ASAP to discuss federal funding of the ACZISC Secretariat.***

*Discussion:*

John Legault enquired when the deadline was for securing additional funding. Mike responded that, according to the OIC Financial Officer, the deadline was early January.

Réjean Castonguay: A CGDI Roundtable was held in Newfoundland to coincide with Geomatics Atlantic (23-25 September). Similar meetings will be held with the other Atlantic Provinces. The purpose of the meetings is to discuss partnerships between the Atlantic Provinces and NRCan/CGDI. Perhaps financial support for the ACZISC could be put on the agenda by the Provinces as a point of discussion.

Andy Sherin: NRCan is aware of ACZISC activities. NRCan has offered to connect the ACZISC Database Directory with CEONet. Support from the Provinces re this activity could be helpful because NRCan would be responsive to provincial requests.

Brad Fay was supportive of adding the ACZISC to the agenda of provincial/NRCan discussions but cautioned that this must not leave the impression that these talks would replace federal/provincial discussions.

Mike Butler added that the ACZISC Secretariat had been invited to the Newfoundland CGDI meetings but that it was not able to attend due to lack of funds.

Réjean Castonguay stated that NB would like to put a list of partnerships and projects on the table in its discussions with the CGDI, including the ACZISC.

***ACTION 25.5: Secretariat, provincial ACZISC representatives and Andy Sherin to discuss contacting the CGDI ASAP re funding for the ACZISC.***

Mike Butler reported that draft ACZISC Secretariat Operating Guidelines had been prepared as per an action item at meeting #24. These were circulated and reviewed by members (copy attached).

*Discussion:*

Andy Sherin: The Guidelines are meant to help the Secretariat in making decisions.

Barry Jones: The purpose of the Executive Committee is to provide advice and expedite matters re the ACZISC in between quarterly meetings. If authority is needed by the Secretariat, this should be obtained from the Committee as a whole. This can be done quickly via email communication.

Larry Hildebrand suggested that an item be added which states that the Secretariat should seek and secure partners in its endeavours.

Ken Paul suggested that First Nations be represented on the Executive Committee, in addition to the federal government (Faith Scattolon), the provinces (Brad Fay), the private sector (Brent Rowley) and the Secretariat (Mike Butler). This was approved by members; Ken was asked and accepted a request for him to become the First Nations representative on the ACZISC Executive Committee.

Larry Hildebrand: The Gulf of Maine Management Committee has recently instituted a guideline that all Working Group members be notified of Management Committee meetings and can participate if they wish. The meetings are carried out via conference phone calls. This method could be considered by the ACZISC for Executive Committee meetings.

***ACTION 25.6: ACZISC members to further review the draft operating guidelines for the ACZISC Secretariat and contact the Secretariat with comments prior to the next meeting.***

The Secretariat will prepare a second draft of the Guidelines based on comments for distribution at the next meeting for review.

**COMMUNICATIONS**: The ACZISC Communications Working Group is chaired by Mike Butler who reported on the various ACZISC communication tools:

ACZISC Monthly Updates: These are prepared and emailed by the Secretariat to members and to a growing distribution list of ACZISC associates, several of whom in turn distribute the Updates to their own personal distribution lists. The Secretariat has been receiving good feedback re the Updates. Efforts are made to keep them at a "reasonable length".

Mike asked members for feedback and requested information items from the members for inclusion in the Updates. He thanked Larry Hildebrand for his regular contributions.

Members discussed the format and distribution of the Updates and concluded that it was an effective communication tool.

ACZISC Homepage: A new section has been added to the Homepage - *Documents* - from which ACZISC and other ICZM-related documents, newsletters, etc. can be downloaded or accessed. The list will be expanded as new documents are identified.

Claudette LeBlanc reviewed the user statistics for the last 3-month period (copy attached) and for the last year. Members discussed the statistics but concluded that it was difficult to determine the value of the service from stats. John Legault cautioned about over-analyzing stats and added that it was more important to monitor trends in usage.

Andy Sherin commented that the Secretariat could consider the use of PDF for formatting documents which are made available via the ACZISC Homepage.

***ACTION 25.7: ACZISC to evaluate using PDF for formatting ACZISC documents made available on the ACZISC Homepage.***

Atlantic Coastal Info News: Mike distributed copies of the 2-page newsletter which is customized for, and made available at, various events and conferences, e.g., Geomatics Atlantic, CZC 98. The newsletter features a brief description of ACZISC activities and a listing of members, including contact information (copy attached).

Business Card: The card provides the URL for the ACZISC Homepage. This is also distributed at meetings, conferences, etc. by the Secretariat and members.

Community Information: Communication with and between communities has been a challenge. To facilitate this activity, it has been actioned at previous meetings that the ACZISC offer the ACZISC Homepage as a website for posting community information. A prototype for the *Atlantic Coastal Community News* has been developed at <http://is.dal.ca/aczisc/accu>. A mailing list of approximately 200 Atlantic Canadian community and environmental groups has been compiled and a letter written requesting articles for the Community News. The letter will be posted mid-October.

Claudette LeBlanc stated that the mailing list for Nfld and Labrador was not comprehensive. Kevin Hynes and Tim Anderson volunteered to compile a comprehensive list.

***ACTION 25.8: Tim Anderson and Kevin Hynes to develop a comprehensive mailing list of community groups and associations for Newfoundland and Labrador and forward to the Secretariat ASAP.***

***ACTION 24.11: ACZISC Secretariat to communicate with community groups and associations in Atlantic Canada ASAP offering the ACZISC Homepage as a WWW site for posting summaries of CZM-related community projects.***

The *Fundy Forum* (<http://is.dal.ca/aczisc/fundy/forum>) is another Internet-based system established for community information. Its focus is the Bay of Fundy.

Andy Sherin added that the *Coastal Community News* produced by the Coastal Communities Network of Nova Scotia (<http://www.gdlewis.ednet.ns.ca/~coastal/nwsltr.html>) was a good source of community information.

ACZISC History: This document is a record of the ACZISC "corporate memory". It is updated regularly and made available to new members in order to brief them on ACZISC activities since its formation in January 1992.

Mike commented that because "information overload" was becoming a problem for many people, the Secretariat was making efforts to keep information distribution at a reasonable level. He added that the Secretariat relies on feedback from members re this potential problem.

**DATABASE DIRECTORY:** The Database Directory Working Group is chaired by Claudette LeBlanc. She stated that the update of the database for the Atlantic Coastal Zone Database Directory was progressing and that it should be completed by the end of March, as scheduled in the Workplan.

The Working Group will be organizing a Strategic Workshop for the Directory. Prior to that, the Working Group will be reviewing various collaborative options for managing and maintaining the Directory database, including: an information system being developed by EC which features an online updating capability; a relationship with CEONet; further collaboration with and assistance from the Province of Nova Scotia and with NDI. The ACZISC will have to be opportunistic because of its lack of financial resources.

*Discussion:*

Réjean Castonguay: A potential source of assistance could be students, e.g., students at the College of Geographic Sciences (CoGS), University of New Brunswick Masters students, etc.

Andy Sherin: One of the NRCan objectives re CEONet is to develop customized interfaces for different users/directories. COGS students are often involved in developing prototypes. However, funding may be required for a co-op project.

Brad Fay: The Provinces may be in a position to co-fund directory-related activities if these are beneficial to them.

***ACTION 24.13 ACZISC Database Directory Working Group to organize a Strategy Workshop ASAP to review future directions for the ACZISC Database Directory.***

**COASTAL MAPPING:** The Coastal Mapping Working Group is co-chaired by Curt Speight, NSGC and Eric Theriault, EC. Eric reported that a Coastal Mapping Workshop had been organized by the Working Group and the Secretariat. The purpose of the Workshop, held on 30 September at the NS Geomatics Centre, Amherst, was to review mapping programs and data distribution policies under provincial jurisdiction in the four Atlantic Provinces. It complemented the ACZISC Federal Coastal Mapping Workshop held on 25 February 1998 in Halifax and an earlier mapping workshop held on 29 May 1996. A meeting report will be prepared by the Secretariat and made available via the ACZISC Homepage.

*Discussion:*

Andy Sherin: Recently the ACZISC has organized two coastal mapping workshops, one for federal programs and the other related to provincial mapping. Perhaps one should be organized with more focus on collaborative efforts and to include both federal and provincial participants.

Eric Theriault cautioned that this would be a duplication of efforts at this time but that it could be considered in a year or so.

Andy Cameron enquired how the participants to the provincial workshop had been identified. He expressed concern that the representative from the NS Department of Fisheries and Aquaculture was not familiar with coastal mapping.

Eric Theriault responded that a workshop notice had been sent to all ACZISC members and that provincial members had been contacted to identify participants. It was suggested that a protocol be developed for identifying ACZISC workshops participants.

***ACTION 25.9: Prior to the next meeting, ACZISC Secretariat and working group co-chairs to develop a protocol for identifying participants to attend ACZISC workshops and other events.***

Eric stated that the Coastal Mapping Working Group and the Secretariat were considering organizing a Workshop for the spring of '99 to review the need for high resolution coastal base maps. Flood mapping of coastal lowlands due to rising sea levels and increased storm surge threat requires precise digital terrain models (DTM) of coastal regions.

On 23 September a meeting was held at BIO to discuss the possibility of holding the workshop, the requirements and stakeholders for high resolution mapping, and which group or agency could undertake such an initiative. Technologies discussed included multibeam sonar and Radarsat/SAR.

On a similar note, on 15-16 September an EC representative was invited to give a presentation and help develop a research agenda at an international workshop on Hurricanes and Storm Surges sponsored by the insurance industry. Several EC staff have been invited to make presentations at an upcoming workshop on 7 October in Dartmouth to help develop a national mitigation strategy, again sponsored by the insurance industry. Immediately after this workshop, personnel from the Discovery Channel will be filming a vignette on hurricanes, storm surges and sea-level rise. This will involve EC staff and colleagues from NRCan and DFO.

*Discussion:*

Andy Sherin: The resolution of existing databases, both topographic and hydrographic, is inadequate for projecting the effects of surges, especially in regards to low lying areas.

Mike Butler: Other factors to be considered are liability and the rising cost of insurance.

Bill Blight: This workshop would be of interest to several members. Perhaps the ACZISC could be involved in identifying hazardous areas.

Andy Sherin: The GSC has published a map showing this information. Low level areas are under significant risk.

Mike Butler: The problem is compounded by the fact that the number of tide level gauges is being reduced due to budget cuts.

Ken Paul: The CHS has been making efforts to get the Provinces and local groups to maintain some of the gauges.

Réjean Castonguay stated that he would appreciate more information on the topic as it relates to NB's coastal mapping project. He added that funds may be available for pilot studies.

Mike Butler: Preliminary discussions re the workshop have been held with Charley O'Reilly, CHS and George Parkes, Meteorological Service, EC. They are involved in modelling exercises to predict the effects of surges, e.g., Annapolis Royal.

It was agreed that a High Resolution Mapping Workshop should be organized.

***ACTION 25.10: ACZISC Coastal Mapping Working Group and Secretariat to organize a Workshop to address the need for high resolution coastal base maps required for flood mapping of coastal lowlands due to rising sea levels and increased storm surge threats.***

**DATA EXCHANGE AND STANDARDS:** The Data Exchange and Standards Working Group is co-chaired by Réjean Castonguay, Service NB, and Andy Sherin, GSC Atlantic. Réjean reported the following:

- Andy and Réjean have experienced difficulty in identify the most appropriate course of action for the ACZISC to adopt on data exchange and standards. Further discussions are needed to identify key issues which could be addressed by the ACZISC.



- The development and implementation of standards is a long and complicated process. For example, it will take 5 to 10 years before the impacts of the ISO TC211 standards are felt. Nonetheless it is important to consider what is practical and achievable today.
- An ACZISC Standards Workshop held in Fredericton in May 1993 supported the adoption of the S57 standard for hydrographic mapping. This is currently under way.

Réjean also reported that he had attended CGDI and CCoG meetings held in Newfoundland last week. Federally, leadership in data infrastructures and standards is being assumed at the agency level by Geomatics Canada and individuals such as David McKellar of National Defence.

Andy Sherin added the following:

- Considerable activity is taking place nationally and internationally re data exchange and standards. Vendors are involved and products will reflect such developments in the long term.
- Reports on activities re high level network building were made at the International Geomatics Conference held last June in Ottawa.
- The ACZISC should adopt solutions within the context of national and international developments.

*Discussion:*

Brad Fay: The ACZISC must be aware of activities at the international, national and provincial levels. However, the ACZISC also has a role to play because of its regional focus. Examples of this role can include recommending the adoption of a coastline standard and assisting with the coordination of provincial coastal mapping.

Réjean Castonguay: Coordination of coastal mapping is more of a responsibility for the ACZISC Coastal Mapping Working Group.

John Legault emphasized the requirement for standards and the coordination of provincial base mapping from a user's perspective. A conversion tool to "blend" the different grids, datums, projections, etc. would be helpful.

Bill Blight was also supportive, stating that the lack of coordination is causing considerable problems for non survey engineers.

Réjean Castonguay: NB is moving towards the implementation of NAD83. This is taking longer than originally anticipated. The final values were available on 31 March 1998; a grid shift file is being provided by Geomatics Canada. Both the CARIS and ArclInfo GIS have utilities to convert from NAD77 to NAD83.

Bill Blight: Although conversion will not be a problem for complex GIS systems, it will be for desktop mapping systems.

Andy Sherin: Conversion can be carried out if proper documentation is available.

Brad Fay: Although conversion is not a problem for producers of data because they have qualified technicians to deal with this, conversion is often a problem for users.

Neil Munro: When a user is dealing with a regional application, compatible datasets are required, both marine and terrestrial. In addition, the sampling background/data collection techniques must be known.

Jane Tims reinforced the importance of having access to documented procedures and proper tools, from a user's perspective.

John Legault stated the importance of "educating" data collectors.

Bill Blight stressed the importance of quality control of datasets. Higher resolution is needed for point specific applications while lower resolution is appropriate for global applications. PWGSC's data requirements are project driven.

Réjean Castonguay: A new coastline is being compiled for NB - OHWL. Service NB will be issuing an RFP on 12 November to set up stereo models for the coast of the Province of NB. The RFP could have specified more density for little additional costs if a requirement for high resolution mapping had been identified. This may still be possible.

Jane Tims: The resolution is currently 70 metres in the 1:10,000 database. This is too generalized for the flatter terrain.

Andy Sherin: The requirement for high resolution mapping was only identified this past summer as a result of an exercise carried out in the Bay of Fundy. John Shaw of the GSC Atlantic was involved.

Bill Blight: A major event which identified the need of high resolution data is the crash of the MD11 jet near Peggys Cove at the end of August. A report will be prepared on the data needed to deal with the clean-up, the data available and how useful it was.

Tim Anderson: DFO Newfoundland Region has the advantage of dealing only with one province and so does not have the problem of incompatible data. However, scale is a problem as most of the data is available only at relatively small scales.

Eric Theriault: Base maps are a problem for EC Atlantic Region. The 1:50,000 and 1:250,000 land-based series are used because of their consistency. EC is also using a CD of raster charts produced by NDI. Eric stated that he liked the approach used by NS in producing its coastal series, i.e. merging the land and chart data.

There are still problems accessing DFO data for some regions. A ship broke up off the Magdalene Islands last winter and the data for NS was only made available 2-3 days after the event. There were also problems accessing DFO data re the MD11 crash site.

***ACTION 25.11: Prior to the next meeting, ACZISC Data Exchange and Standards Working Group to identify data exchange and standards issues which must be dealt with in order to facilitate data exchange, distribution and utilization.***

***ACTION 25.12: ACZISC Data Exchange and Standards Working Group to identify the role which could be played by the ACZISC in addressing these issues.***

## 5. ***CZC 98: DEBRIEFING BY PARTICIPANTS***

Mike Butler reported that CZC 98 held from 30 September - 3 September was attended by several ACZISC members and other representatives of Atlantic Canada. A special edition of Coastal Zone Info was produced and distributed at CZC 98.

The CZC 98 program included paper presentations, workshops and plenary presentations on the Conference themes:

- Integrating Social, Economic and Ecological Factors - using case studies or practical experience related to aquaculture, awareness and support for coastal management, economics and funding of community groups, habitat protection and restoration, sustainable development.
- The Need for (and use of) Science in the Coastal Zone - community based data collection, knowledge flows, defining ecologically relevant units, information needs and systems, traditional knowledge, natural constraints to development.
- Empowering Communities for Coastal Zone Management - experiences of indigenous peoples, coastal-dependent settlements, marine industries, governments, youth, elders.

A Youth Conference and a number of pre- and post-conference training sessions also took place.

Larry Hildebrand: CZC 98 was attended by over 500 people from 40 countries. Several of the participants are involved directly in ICZM. Conference proceedings will be available. CZC 2000 will be designed to build on the results of CZC 98.

Andy Sherin reported that he had presented a poster entitled "Putting the Coastal Information Puzzle Together" at CZC 98 in collaboration with Eric Theriault, EC and Curt Speight, NSGC.

Tim Anderson: One oral presentation and five poster presentations were made by representatives from Newfoundland and Labrador (refer to attachment).

John Legault: The Oceans Strategy was discussed at CZC 98. DFO Minister Anderson announced two pilot MPAs off BC: Race Rock and Gabriola Passage.

## 6. **ROUNDTABLE REVIEW OF COASTAL ZONE ACTIVITIES**

**CANADIAN HERITAGE**: Neil Munro reported the following:

- Parks Canada Agency legislation (Bill C-27) has recently been carried without amendment by the Standing Senate Committee on Energy, the Environment and Natural Resources. The Committee will report back to the full Senate shortly. The Bill should receive third reading with royal assent soon after.
- The Marine Conservation Areas Act (Bill C-48) received first reading on 11 June with second reading likely to occur by the end of October or in early November.
- Consultations re the proposed Bonavista-Funk National Marine Conservation Area are continuing with the 20 member advisory committee. A series of workshops will be held over the course of the next few months with the advisory committee and with individuals from local communities chosen by each board member. The workshops will focus on a range of topics such as the benefits of tourism and education, trust in government, aquaculture and commercial fishing.

*Discussion:*

Andy Sherin enquired if there would be a science component within the Parks Canada Agency in the region.

Neil Munro replied that he was the Science Adviser for the Atlantic Region. There is a commitment of \$1.3 million per year for research, and access will be provided to Parks staff in Ottawa. The Halifax Parks office will be known as the Atlantic Service Centre.

Neil circulated for review the proceedings of the 3<sup>rd</sup> International Conference on Science and Management of Protected Areas, held a year and a half ago. The proceedings are entitled *Linking Protected Areas with Working Landscapes: Conserving Biodiversity* (edited by Neil Munro and J.H. Martin Willison).

**FISHERIES AND OCEANS CANADA**: John Legault reported on activities at the Oceans Act Coordination Office on behalf of Faith Scattolon:

- The NS Federal Council may consider federal funding for the ACZISC in the near future.
- Four Marine Protected Area (MPA) extension staff will be hired. These personnel will be working closely with community groups.

- Minister Anderson will be attending Pacem in Maribus, a conference organized by the International Oceans Institute, scheduled for 29 November - 3 December in Halifax.
- Oceans Act liaison officers have been designated for the Atlantic region: Dave Duggan, based in Halifax; the Northumberland Strait-Western Cape Breton (Paul Boyd, based in Antigonish); the Bay of Fundy (Maria Buzeta, based in St. Andrews); and Baie des Chaleurs (Ernie Ferguson, based in Tracadie).
- A staff person (Angela Silvia) has been hired to develop a planning system for MPAs. Data re MPAs is being digitized, including scientific and fisheries data.
- Maxine Westhead has been hired as an intern. Her responsibilities include being webmistress for the Fundy Forum. The Forum is an internet based communication network established to connect community groups, individuals, First Nations, industry, scientists, land use planners, government and anyone else with an interest in the Bay of Fundy. Maxine will also be a key member of the organizing committee for the Youth Conference associated with CZC 2000.
- John circulated a hard-copy of the TEK Atlas for the Gulf of St. Lawrence for review by participants; he also presented a copy to the ACZISC Secretariat for reference by ACZISC members. The TEK project, with a focus on fishermen's perspectives, was carried out under the Habitat Management Plan; Lee MacNeill was the lead cartographer and field manager for the project. The current focus of the Atlas is the inshore fisheries; the nearshore fisheries component will be completed this year. Copies of the Atlas have been made available to provincial agencies and fisheries groups. Fishermen have been very receptive to the Atlas. An example of usage by fishermen is the identification of potential scallop enhancement sites.

The Atlas format, i.e. a three binder, will make updating and additions easy. Individual sheets will be produced or revised as new data becomes available and made available to all holders of the Atlas.

The digital data for the Atlas is also available. However, the base map layer is only made available by DFO if the user purchases the rights to the base data from the relevant base mapping agencies.

Bill Blight enquired if the Atlas would be made available on the WWW. John replied that this was being considered; software costing \$25K may be purchased by DFO for the purpose of posting it on the web.

Future developments re the TEK project include:

- Developing specific applications of the data, e.g., working in collaboration with the Canadian Coast Guard (CCG) to develop applications specific to the CCG.
- Developing "remote site" accessibility to the data. This would allow users such as the CCG and area managers to access the data on a remote server, e.g., Moncton.
- Building a continuous dataset for the Maritimes Region. The Bay of Fundy and Gulf of St. Lawrence TEK projects have been carried out with different philosophies and approaches. DFO is considering giving a contract to an independent reviewer to advise re the building of a continuous dataset.
- Negotiating license agreements and annual fees with the provincial mapping agencies for use of their base maps by DFO Maritimes Region. Ken Paul stated that CHS and NDI would also have to be contacted if the provincial base maps being negotiated included a "hydrographic" component derived from CHS charts or data, e.g., the NS Coastal Mapping Series.

Brad Fay remarked that the TEK Atlas project team should be congratulated on the project, its deliverables and the thoughtful approach to distribution. A round of applause followed.

Tim Anderson reported on activities in the DFO Newfoundland Region:

- CHART is a Newfoundland company formed in 1995. It is working on developing a coastal classification system based on satellite imagery. They have been awarded a contract for Placentia Bay to develop a tool for ICZM.
- The Marine Institute at Memorial University has initiated a course in CZM. The goal is to develop practical CZM skills for the workplace.
- A coastal atlas will be produced for the Nfld Region similar to the one produced for the southern Gulf of St. Lawrence by John Legault and Lee MacNeill. Maps from the atlas have been submitted to form part of the Canadian exhibit at the International Cartographic Association Conference scheduled for 14-21 August 1999 in Ottawa.
- A manual is being developed to assist groups participating in coastal inventory and mapping projects. It deals with procedures, standards and methodology. A draft has been circulated for peer review. The final version will be available by the next ACZISC meeting.
- The policy framework for MPAs is being finalized and the development of a planning process is under way. Pilot MPA sites will be identified.
- The Government of Newfoundland and Labrador and the DFO Newfoundland Region have provided comments to the National Plan of Action.
- The DFO Newfoundland Region is participating in the assessment of Bonavista as a potential National Marine Conservation Area (NMCA) site. The assessment will be completed in 1999.
- Joe Price has been appointed RDG for the Region; he is originally from Newfoundland.

**NEW BRUNSWICK:** Barry Jones stated the following:

- The Department of Fisheries and Aquaculture has decentralized its senior management. ADMs will be located in the regions.
- A workshop on sustainable development in NB was held on 17 June. Participants included representatives of ACAP sites, NB Sustainable Development sites and others. It resulted in a number of recommendations for the NB Sustainable Development Network; these are based on a watershed approach. The sponsors of the workshop - NB Environment, NB Fisheries and Aquaculture, EC and DFO - will be meeting again at the end of October for further discussions.
- The Marine Policy document should be in the public realm by the end of the year. The objective of the Policy is to identify NB's relationship with the marine area and with the federal government re this zone, and mechanisms for its management. Larry Hildebrand enquired what was being done to ensure integration between NB's land and marine policies. Barry responded that although the policies would be administered by different departments efforts will be made to ensure integration.

Réjean Castonguay reported on NB's continuing efforts to build an information infrastructure for the Province:

- Two major projects are currently under way: the creation and maintenance of the Digital Topographic Data Base (DTDB98) and the Coastal Data Bases. The budget is \$1.6 million (\$3. per capita).
- Studies in progress include background research in support of removing ridging effects from DTM files, and of file compression in the soft-copy orthophotomap database.
- Proposed future infrastructure projects include structuring administrative boundaries; producing colour soft-copy for the entire Province, an orthophotomap database, a coastal marine database, geo-referenced civic addressing and DTM2000 (wave removal). Project

priorities will be determined in part by partnerships and provincial guidelines. December is the deadline for determining project priorities for next year.

- A meeting of NB GIMAC (Geographic Information and Mapping Advisory Committee) will be held next week.

A copy of Réjean's overheads are attached.

Jane Tims, NB Department of the Environment, reported the following:

- The Department of the Environment is developing a geo-referenced information system, Envl, which will include water quality monitoring information, rules, historical data, approvals, point source data, etc.
- Faith Cowie, formerly with the Department of Natural Resources and Energy, is working on a watershed-based management system. She is interested in linking her system with the Envl system.
- A water strategy has been under development for at least the last 4 years. Concerns include the cost of implementing a sewage strategy, intrusion into silos, etc.
- The Water Classification System is under the Clean Water Act. The Province has been getting good cooperation from groups, e.g., Eastern Charlotte Waterways, in developing the System.
- An environmentally significant areas database is being developed. The Province is cooperating in the formation of the AC CDC (Atlantic Canada Conservation Data Centre).
- A background document on the Marine Policy, prepared by Ann Glover, will be available in the near future. It will be available electronically from Jane or Bill Ayer.
- An ad-hoc provincial working group (chaired by Jane) has been monitoring developments re the Marine Policy and MPAs. Ann Glover has also prepared a report on provincial activities re MPAs. The group will be meeting more frequently; a meeting is scheduled for the fall.
- A stakeholder group has been established in Tabusintac re the possible establishment of an Marine Conservation Area in the region.

*Discussion:*

- Barry Jones enquired on the status of the "swim watch monitoring" database. Jane responded that the Department of the Environment is carrying out the analysis but that the data is released by the Department of Health. Barry added that it would be very useful to bring all water related data together in one information system.
- Mike Butler enquired if there was cooperation between the federal government and the Province in identifying MCAs or MPAs in NB. Jane responded that Province was considered as a partner along with EC, DFO and Parks Canada in these activities.

**NOVA SCOTIA:** Andy Cameron reported the following:

- A meeting re significant habitat evaluation in the Minas Bight was held on 30 June in Wolfville. A proposal will be developed encompassing the entire Minas Basin.
- The NS Coastal Zone Policy document has been distributed to outside agencies for review and comment.
- The draft Water Strategy document has been sent to the Deputy Ministers Committee for review and comment.
- The NS State of the Environment Report has been released. (It is available on the WWW at <http://www.gov.ns.ca/envi/soer/index.htm>)
- The Province has been developing the EMAS system, which is similar to Envl being developed by NB.

Larry Hildebrand enquired re the status of the NS Round Table. Andy responded that there was some controversy re appointing members to boards.

Brad Fay reported the following:

- Production of the NS Coastal Mapping at 1:50,000 is continuing. The mapping is scheduled for completion in fiscal year 1999/2000.
- The need to coordinate provincial mapping activities in NS was again identified at the ACZISC Provincial Mapping Workshop held last September. The need for cooperation between provincial and federal initiatives was also reiterated.
- The NS Civic Addressing project is continuing. A pilot project is under way for an area in Cumberland County to develop standards and procedures for naming communities, roads and streets, policies re database maintenance, etc. Réjean Castonguay enquired if the boundaries for a community would be based on administrative boundaries. Brad responded that communities would be assigned boundaries for emergency response services. These may be based on the 911 boundaries.
- The current GeoNova emphasis is on developing data exchange agreements. These would involve provincial departments, municipalities, federal departments and agencies, the private sector and others. The goal of the agreements would be to set up a mechanism for obtaining information used for updating databases.
- Howard Windsor has recently been appointed Deputy Minister of the Department of Housing and Municipal Affairs. Mr. Windsor was formerly with the NS Department of the Environment; he replaces Dr. Patricia Ripley who has been appointed Deputy Minister of Priorities and Planning, and Deputy Minister responsible for the Premiers Office, Communications NS and the Offshore Development Office.

**FIRST NATIONS:** Ken Paul reported the following:

- Ken has transferred from the CHS to the Native Fisheries division of DFO. His responsibilities will include the implementation of sustainable practices in First Nations communities.
- The Union of Nova Scotia Indians will be hosting the First Nations Environmental Conference on 27-29 October 1998 at Sydney and at Eskasoni. The goals of the Conference are to increase awareness of environmental issues impacting First Nations communities and to gain further information for future programs. First Nation representatives have been invited to participate from across the Maritimes, as well as scientists, government personnel, the private sector, etc. The Union represents five MicMac bands in Cape Breton.
- Ken is representing First Nation interests on the Program Committee for the CZC 2000 conference to be held in Saint John in September 2000.

*Discussion:*

Larry Hildebrand suggested that Ken be in contact with Patrick Nagge from EC who is responsible for First Nation issues.

Jane Tims suggested that Steve Ginnish would also be a good contact. He is involved in the Fundy Model Forest.

Barry Jones reported that the Community Ecosystems Initiatives Workshop would be taking place in Clementsport, NS on 15-18 October 1998. The Workshop is being hosted by the Clean Annapolis River Project (CARP) in collaboration with several private and public sector partners. He suggested that Ken and others interested in community-based ICZM might want to participate.

## **NATURAL RESOURCES CANADA/GEOLOGICAL SURVEY OF CANADA - ATLANTIC:**

Andy Sherin reported the following:

- NRCan Knowledge Initiative: The GSCA has received funding for the Canadian Marine Geoscience Knowledge Network. The Network will include metadata database development using the American FGDC standard, Z39.5 protocols for searching, web pages which will allow for data mining of GSCA databases, and smart search engines, customized for client categories.
- Swissair Incident: The CHS, National Defence and the GSCA assembled a survey team within a few hours of the crash to identify potential debris targets using EM3000 and high resolution sidescan sonar. Ken Paul commented that the Matthew was able to respond quickly because it was already geared up to leave on another unrelated mission. Brad Fay added that the time of impact had been determined from a seismograph reading at Dalhousie University.
- Canadian Rural Partnership: The GSCA has received formal approval from Agriculture Canada re its project proposal submitted to the CRP in collaboration with the ACZISC. The goal of the project is to develop enhanced access to and use of the GSCA's coastal video series by coastal communities. Pictou County has been identified as the project site. Initial discussions have taken place with personnel of the ACAP Pictou Harbour Environmental Protection Project and the Pictou Landing Band. A meeting of potential data providers and partners is scheduled for 22 October in Stellarton.
- The Bras d'Or aerial video survey is now available as an open file.
- The third expedition to the north shore of PEI has been completed; this is in support of the GSCA project to look at predicting coastal response to sea level rise. The CCGS Matthew is conducting sampling and geophysical surveys to groundtruth the multibeam data collected over the last two summers and to collect 3D information on drowned river valleys and lakes and thickness of modern sand.

**PUBLIC WORKS AND GOVERNMENT SERVICES CANADA:** Bill Blight reported the following:

- Don Amos retired from PWGSC at the end of August after 33 years of service. He may be working for PWGSC as a consultant in the future on major marine projects.
- The Summerside Harbour is being dredged.
- PWGSC is continuing its charting activities in collaboration with the GSCA.
- An object-oriented data acquisition system (SWEEP) has been developed in-house for accurate survey positioning.

**ENVIRONMENT CANADA:** Eric Theriault reported the following:

- Swissair Incident: EC Atlantic continues to chair the Regional Environmental Emergencies Team (REET) to facilitate provision of environmental information and advice to the CCG and Transportation Safety Board (TSB) for the Swissair accident. Advice includes: weather and sea state forecasts; debris movement predictions; information on the properties, fate and behaviour of hazardous materials released at the site; remote sensing for offshore debris; ocean disposal of debris and environmental monitoring. Uses of the Atlantic Region Sensitivity Mapping program during the incident included the identification of resources in the area that are vulnerable to oil, and mapping the exclusion zones.

EC's two remote sensing aircraft, a Corsair 580 and a DC-3, were used under contract to the TSB. Their role included searching for pollutants, mapping debris, and attempting to accurately plot the flight path of fuel dumped by the Swissair aircraft.

- Mapping Exhibit: A sensitivity map was prepared from the Atlantic Region Sensitivity Mapping Program and submitted to the Canadian National Exhibit to the 19<sup>th</sup> International Cartographic Conference of the International Cartographic Association, scheduled for August in Ottawa.



- National Programme of Action: A federal/provincial advisory committee has completed a draft National Programme of Action for the protection of the Marine Environment. This document will be going out to public review over the next month. The initiative is co-lead by EC and DFO.

Larry Hildebrand reported the following:

- EC-DFO "Agenda for Action": In recognition of the common legislative mandates, international obligations, and program interests between EC and DFO, a joint meeting of the senior management committees of DFO Maritimes and EC Atlantic will be held in November. This meeting will serve to re-acquaint senior managers with the respective and shared responsibilities that the two departments hold for the freshwater and marine environments of the Maritimes region. EC held a similar joint meeting with Health Canada in June 1998 which resulted in a strengthened working relationship and the identification of several initiatives on which they will now work more closely together.
- Marine Protected Areas - Canadian Wildlife Service: EC's CWS is one of three federal departments with a legislative mandate for MPAs. Under the authority of the Canada Wildlife Act and Migratory Birds Convention Act, CWS can designate Migratory Bird Sanctuaries (MBSs), National Wildlife Areas (NWAs) and, most recently, "Protected Marine Areas". While there are a number of MBSs and NWAs in Atlantic Canada (14 MBSs; 13 of which are coastal/marine; 10 NWAs; 7 are coastal/marine) there are at present none in the offshore. CWS is currently developing a strategy for the establishment of a network of MPAs. It is CWS' fullest intent to develop this MPA strategy in full cooperation and coordination with DFO and Heritage-Parks to ensure a coherent, national MPA strategy.

**CANADIAN CENTRE FOR MARINE COMMUNICATIONS:** Randy Gillespie reported on the following:

- Randy attended 5<sup>th</sup> International Conference on Remote Sensing for Marine and Coastal Environments, held on 5-7 October in San Diego, California. The Conference focused on applying remote sensing and related techniques to solve real-world problems in marine and coastal environments. Approximately 250 papers were presented. Proceedings are available.
- Randy is the co-chair of a committee which is developing a provincial geomatics strategy which will address data distribution, pricing, etc. John Fleming, former Deputy Minister of Environment, will be hired to develop an implementation plan. This is being done within the context of the CGDI and CEONet.
- Compusult/MIDC (Marine Information Distribution Centre) have been given a \$1 million contract to develop a marine community within CEONet. A focus will be to facilitate 3<sup>rd</sup> party access to data.
- NDI is continuing to develop S57 chart data and large scale charts.
- A company from Québec is developing a process to produce stereo pairs from individual aerial photographs. Members expressed interest in obtaining information on this procedure.

***ACTION 25.13: Randy Gillespie to provide the ACZISC Secretariat with information on the process being developed to produce stereo pairs from individual aerial photographs, when available.***

**NEWFOUNDLAND AND LABRADOR ASSOCIATION OF TECHNICAL INDUSTRIES:**

Randy Gillespie reported the following:

- The name of the Association has been changed to Newfoundland and Labrador Association of Technical Industries.
- Geomatics Atlantic '98 was a successful event. The Conference, held in St. John's on 23-25 September, included a session on marine/coastal geomatics. Brad Fay congratulated

the organizers and stated that the conference was well organized and offered an excellent program.

- Dr. David Green, Centre for Remote Sensing and Mapping Science, University of Aberdeen, presented a one-day workshop on coastal zone management prior to Geomatics Atlantic.

**NEWFOUNDLAND AND LABRADOR:** Kevin Hynes thanked the ACZISC for the opportunity to attend the meeting as an observer. He added that he found the meeting and yesterday's meeting on Coastal policy to be very informative. He will be discussing Newfoundland's future participation on the Committee with his colleagues upon his return to St. John's. Mike Warren, Department of Fisheries and David Liverman, Department of Mines and Energy, are both interested in representing the Province on the ACZISC.

**ATLANTIC PROVINCES COUNCIL ON THE SCIENCES:** Tillmann Benfey, University of New Brunswick, reported the following:

- APICS represents universities in the four Atlantic Provinces. Its purpose is primarily to organize conferences, science fairs and guest speakers. It has approximately 12 committees.
- The Aquaculture Committee is one of the more active APICS committees. It is responsible for organizing and sponsoring a conference each March for undergraduate and graduate students to make presentations on their research. The 1999 conference will be held at Acadia University in Wolfville on 5-7 March.
- The Aquaculture Committee has participation from DFO personnel based at BIO, St. Andrews, Moncton, the National Research Council and colleges.

*Discussion:*

Barry Jones stated that an aquaculture committee was being established under the auspices of the Gulf of Maine Council on the Marine Environment and enquired if Tillmann would be interested in being a member. Tillmann replied that he would be.

Larry Hildebrand enquired if APICS was the best body to represent academia on the ACZISC. Tillmann responded that it was an appropriate body from a science perspective.

**UNIVERSITY OF NEW BRUNSWICK:** Rima Ammouri reported that she was doing her PhD at the Department of Geodesy and Geomatics Engineering, UNB. She is working to develop a "mechanism" to facilitate public participation in ICZM. Her supervisors are David Coleman and John MacLaughlin.

## 7. **UPDATES**

**ECONOMIC STUDY:** Mike Butler briefed participants on the study entitled *Estimating the Economic Value of Coastal and Ocean Resources: The Case of Nova Scotia*, published in 1998. (available on the ACZISC website at <http://is.dal.ca/aczisc/docs>). He encouraged the other Atlantic Provinces to undertake similar studies.

*Discussion:*

Barry Jones: The Province of New Brunswick is attempting to identify funding and partners to carry out an economic study of coastal resources in NB. The study would be similar to the one carried out for NS but, in addition, would include a site specific study of Caraquet Bay. The study results would be organized on a watershed basis as much as possible and be organized to make it easy to pull out information pertaining to specific geographic areas, e.g., the Gulf of Maine. It is also planned to include ecological economics in the study. A steering committee would be formed for the NB study; PEI, NS and PEI would be invited to participate,

as well as Mike Butler, ACZISC Secretariat, to provide some continuity.

John Legault: The Oceans Act Coordination Office is supportive of the proposed NB Coastal Economic Study.

Larry Hildebrand: EC is also interested in participating in the study and particularly in the ecological economics component.

**CANADA'S OCEANS ACT**: Tim Anderson reported the following:

- Since the Act was passed in January 1997, there has been a move to reorganize DFO. An Oceans Sector, responsible for the Oceans Act and Habitat, was established in June. Scott Parsons is the ADM of the new Oceans Sector.
- The DFO Regions are also undergoing considerable reorganization.
- Oceans Sector priorities are the Oceans Strategy and MPAs. A "blue ribbon" arms length panel will be formed to provide feedback on the Strategy discussion paper.
- Two discussion papers have been prepared re MPAs. Pilot sites are being identified.

*Discussion:*

Barry Jones and Andy Cameron both stated that the identification of pilot sites should be a cooperative venture between the provincial and federal governments. Andy added that he expected that the federal government would be making a unilateral announcement re the Gully soon.

Tim Anderson responded that DFO Newfoundland was consulting with the Province of Newfoundland. He added that consultations similar to those undertaken for the proposed Bonavista NMCA would take place for the MPAs.

Barry Blight suggested that the provincial ministers of Fisheries should contact the federal Minister of Fisheries and Oceans re this issue.

**SOUTHERN GULF OF ST. LAWRENCE COALITION**: Barry Jones reported that a questionnaire for a "needs survey" was distributed last summer to community groups and individuals in the Southern Gulf of St. Lawrence, which includes the south shore of the Gaspé Peninsula. The rate of return has been low. A meeting has been scheduled for 4-5 November in Moncton to review the findings and to approve a model for the Coalition, i.e. the function, structure and operation of an umbrella organization linking communities, NGOs, governments and the business groups in the Southern Gulf. The mission and vision will be also be defined.

**GLOBAL PROGRAMME OF ACTION COALITION/COMMISSION ON ENVIRONMENTAL COOPERATION**: Mike Butler reported the following:

- A Workshop will be held in Portland, Maine on 15-17 November. The workshop will identify an implementation mechanism for the GPAC action plan.
- Five scoping papers responding to the issues identified in the Issues Workshop held in Saint John in April 98 will form the basis of discussion for the November workshop. The topic of the papers are Toxics; Nitrogen Loading and Marine Culture; Coastal Development; Resource Use; and Hydraulic Changes.

**GULF OF MAINE COUNCIL ON THE MARINE ENVIRONMENT**:

Andy Cameron: The Gulf of Maine Secretariat will be located at the NS Department of Fisheries and Aquaculture for the 1998/99 year. Megan Tolson-Trites has been hired as the coordinator. She has previous experience as coordinator having acted in that capacity when the Secretariat was located at the NB Department of Fisheries and Aquaculture in 1996/97. Sources of revenue and partnerships are being sought to support the second GoM 5-year Action Plan (1996-2001). A committee has been formed to identify long term funding. The three core projects are the *Gulf of Maine Times* quarterly newspaper, the Homepage and the

Gulfwatch monitoring program.

Larry Hildebrand: For the past six months, EC has been re-designing and enhancing the look, content and accessibility of the Gulf of Maine Homepage (<http://www.gulfofmaine.org>). A metadata management framework is also being developed. The GoM Council considers outreach and public access to information about the Gulf of Maine to be among its highest priorities. Therefore, the GoM Homepage, along with the *Gulf of Maine Times*, will continue to serve as central communication and outreach tools for this bi-national ecosystem.

Brad Fay reported that he and other ACZISC members had attended the "Out of the Fog" workshop held on 4-6 November at the New England Aquarium in Boston. The purpose of the Workshop was to consider the requirement for, and design of, an effective electronic environmental information exchange system for the Gulf of Maine.

**COASTAL ZONE CANADA CONFERENCE SERIES:** Barry Jones, chair of the CZC 2000 Steering Committee, stated that planning for the Conference was well under way. He reported:

- CZC 2000 will take place in Saint John, NB in September 2000. The theme for CZC 2000 is *Coastal Stewardship: Lessons Learned and the Path Ahead*. The sub-themes are Aboriginal Practices, Community-based Actions, and Coastal Health.
- Steering Committee meetings are held on a regular basis, as are meetings of the Program Committee. Anyone wishing to become involved in planning the Conference should contact Barry ([barryj@gov.nb.ca](mailto:barryj@gov.nb.ca)).

A Youth Conference is being organized in conjunction with CZC 2000. Maxine Westhead will be one of the Conference organizers.

Barry distributed brochures for the CZC 2000 Conference.

Larry Hildebrand added that the venues for future events were being determined. It is proposed that CZC 2002 be held in the Great Lakes region, 2004 in the Arctic, 2006 on the west coast, and 2008 in Newfoundland.

**BAY OF FUNDY ECOSYSTEM PARTNERSHIP:** Barry Jones reported that BOFEP is dedicated, in part, to promoting the conservation, protection and restoration of the Bay of Fundy ecosystem. A BOFEP meeting was held yesterday, 8 October.

Larry Hildebrand added that BOFEP Working Groups are planning several projects relating to communications, data synthesis and research. A special session on the Bay of Fundy will be planned for CZC 2000 by the BOFEP group.

For additional information on BOFEP, contact the Chair, Graham Daborn, Acadia University ([fundy@acadiu.ca](mailto:fundy@acadiu.ca)). For information on the associated Fundy Marine Ecosystem Science Project (FMESP), contact Peter Wells, Environment Canada ([peter.wells@ec.gc.ca](mailto:peter.wells@ec.gc.ca)).

**PROVINCIAL ICZM POLICY AND RESPONSE TO OCEANS ACT:** Mike Butler reported on previous provincial ICZM policy meetings, including the meeting held yesterday, 8 October, at the Hugh John Flemming Forestry Centre. The meeting was attended by Andrew Breau, Réjean Castonguay and Jane Tims (NB), Kevin Hynes (Nfld), Andy Cameron (NS), David Gillis (PEI), and Mike Butler and Claudette LeBlanc (ACZISC Secretariat).

The purpose of the meetings is to identify commonality of approach between the provinces and the sharing of information and documentation. Meetings will only take place if they are

requested by the provincial participants.

John Legault enquired if minutes for the provincial meetings were available. Mike replied that minutes are not prepared. Participants prefer to keep the discussions "off the record" for the time being.

#### 8. **ANNOUNCEMENTS AND PUBLICATIONS**

Mike Butler briefly discussed documents and other publications located on a side table available for review or for distribution. He pointed out the FAO Guidelines for ICAM (Integrated Coastal Area Management). Anyone wanting a copy should email Nadia Scialabba (Nadia.Scialabba@fao.org).

Andy Sherin: CoastGIS 99 will take place in Brest, France on 9-11 September 1999. The deadline for submission of abstracts is 31 December. Andy is a member of the Scientific Committee for the Conference. BIO has been asked to host the 2001 conference.

CCC 99, the 1999 Canadian Coastal Conference, will be held at Royal Roads University in Victoria, British Columbia on 19-22 May 1999. The theme of CCC 99 is Coastal Science and Engineering Into the Next Millennium.

Bill Blight: The BIO Open House will be held from 22-25 October. The 22<sup>nd</sup> will be Student Day, the 23<sup>rd</sup> Client Day, and the 24<sup>th</sup> and 25<sup>th</sup> will be open to the general public.

#### 9. **OTHER BUSINESS**

No new business was discussed.

#### 10. **NEXT MEETING AND ADJOURNMENT**

**ACZISC Meeting #26 is provisionally scheduled for Thursday, 4 February 1999 in Dartmouth, Nova Scotia.**

ACZISC Meeting #25 adjourned at 16:30 hrs.