

# MINUTES OF ACZISC MEETING #13

## Atlantic Coastal Zone Information Steering Committee

*Date:* Thursday, 2 February 1995 - 0830 hrs.

*Location:* Boardroom, NB Nurses Association  
165 Regent Street, Fredericton

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<b>NAME</b>	<b>AFFILIATION</b>	<b>TEL. NO.</b>
<b>Present:</b> * indicates ACZISC member		
John Allen	APICS*/Huntsman Marine Science Centre	(506) 529-1200
Don Amos*	Public Works and Government Services Canada	(902) 496-5009
Joe Arbour*	Environment Canada	(902) 426-1701
Paul Bellemare*	Fisheries and Oceans Canada	(902) 426-3497
Andrew Breau	NB Dept. of Natural Resources and Energy	(506) 453-2437
Michael Butler*, Chair	Oceans Institute of Canada	(902) 494-1977
Tom Clark	Eastern Charlotte Waterways Inc.	(506) 755-6001
Garry Gaudett	West Isles Clean Environment Ass. Inc.	(506) 747-2363
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Garry Gaudett	West Isles Clean Environment Ass. Inc.	(506) 747-2363
Barry Jones	NB Dept. of Fisheries and Aquaculture	(506) 453-2047
Claudette LeBlanc	Oceans Institute of Canada	(902) 494-1977
Art Longard*	Nova Scotia	(902) 424-0347
Ken Kinney	NB Dept. of Municipalities, Culture and Housing	(506) 453-2171
Dave McBurney (representing Francine Mercier*)	Canadian Heritage - National Parks	(819) 994-5531
Andy Montgomery	NS Land Use Committee	(902) 424-4963
Dale Nicholson	Canadian Hydrographic Service	(902) 426-4581
Mary Ogilvie*	New Brunswick	(506) 453-3908
Jeffrey Parks*	GIAC Atlantic	(506) 457-9627
Andy Power*	GANS	(902) 468-7777
Jim Ramsay*	Prince Edward Island	(902) 368-4075
Jim Ross	Fisheries and Oceans Canada	(902) 426-1828
Dave Scarratt	David Scarratt & Associates	(902) 423-6955
Andy Sherin*	Natural Resources Canada	(902) 426-7582
Bob West	Natural Resources Canada - Canadian Forest Service	(506) 452-3583
Irfan Yüksel	NB Dept. of Fisheries and Aquaculture	(506) 453-2048

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

Mike Butler, ACZISC Chair, called Meeting #13 to order at 08:30 hrs. He welcomed guests; a roundtable introduction of all participants followed. He thanked Mary Ogilvie, representing the host province, for providing the meeting room and lunch.

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

2. **ADOPTION OF AGENDA, AND REVIEW AND APPROVAL OF MINUTES FOR MEETING #12**

The Provisional Agenda for Meeting #13 was reviewed. It was noted that the presentation on the developing Oceans Act would be made by Paul Bellemare and that Barry Jones would be making a presentation on the NB Sustainable Development Network as a substitute to Louis Lapierre and his scheduled presentation on Model Oceans. It was also requested that the apparent lack of cooperation in coastal zone mapping be discussed. The agenda was subsequently approved (copy attached).

The minutes of ACZISC Meeting #12 were reviewed and approved as distributed.

3. **STATUS OF ACTION ITEMS**

The Action Items from Meeting #12 were completed other than the following:

**DISTRIBUTION OF MOUs:** The MOUs have been prepared and will be distributed at this meeting.

**CITAP:** Development of CITAP Development Session II is in progress.

**STANDARDS:** Development of Standards Workshop #3 is in progress.

The outstanding Action Items will be discussed in further detail within the context of the Workplan and Working Group reports (Agenda Item # 4).

4. **ACZISC WORKPLAN**

**MEMBERSHIP:** Mike Butler reported that the Geomatics Industry Association of New Brunswick (GIANB) had merged with GIAC (Geomatics Industry Association of Canada). GIAC Atlantic, through Jeffrey Parks, will be representing the private sectors of New Brunswick and Prince Edward Island on the ACZISC.

Mike announced that APICS (Atlantic Provinces Council on the Sciences) is now a member of the ACZISC. APICS is represented by John Allen at today's meeting. APICS coordination is provided through Joan Atkinson and the APICS Secretariat located at Memorial University.

Mike also reported that NATI (Newfoundland Alliance of Technical Industries) is now a member of the ACZISC. NATI will be represented by Mike Cole, the current president of NATI.

Following a period of internal review and reorganization, Industry Canada has renewed its commitment to participate on the ACZISC.

Mike stated that John Major, ACZISC member representing the Coast Guard, has returned to Halifax after spending one year in Ottawa working on the reorganization of the Coast Guard.

Joe Arbour suggested that Agriculture Canada could be a valuable member of the ACZISC. Information produced by Agriculture Canada is of great importance to coastal zone management (CZM).

**ACTION:** Secretariat to contact Agriculture Canada by 28 Feb re membership on the ACZISC.

**WORKPLAN AND BUDGET/FUNDING SUPPORT:** Mike Butler distributed and reviewed a copy of the proposed ACZISC 1995/96 Workplan (copy attached). He stated that the Workplans of previous years were included to provide a comparison and a history of activities.

He asked that members review the Workplan and provide comments.

Andy Power inquired re the number of days in the 1994/95 Workplan assigned to the Oceans Institute of Canada (OIC) for Mike Butler. Mike responded that the number was inaccurate because of the considerable overlap between ACZISC and OIC activities. It was suggested that the "linkage" between the ACZISC and the OIC be clarified.

Mike distributed copies of the Summary of Budgets and Expenditures for the Years 1993/94 and 1994/95 and the Revenue Summary 1993/94 and 1994/95 (copies attached). The documents were reviewed. He stressed that the money situation for Secretariat activities was tight and that unpaid membership dues should be paid ASAP. Members made suggestions re improving budget and financial reporting.

The ACZISC finances were reviewed by the ACZISC executive committee at a recent meeting. In particular, the executive committee discussed the contributions by the Maritime Provinces in 1994/95. At the Maritime Provinces' request, the formula for the \$9000 Maritime Provinces contributions for fiscal year 1994/95 was to be as follows: \$4500 total based on a per capita formula from the Provinces and \$4500 from the Maritime Geomatics Board (MGB). The demise of the MGB has left a shortfall of \$4500 in funding. The executive committee recommended that the Maritime Provinces contribute the \$4500 - \$1500 per Province - to make up the Maritime Provinces total contribution of \$9000 for fiscal year 1994/95. The executive committee also recommended that the 1995/96 contributions be increased to \$3500 for each of the federal departments and reduced to \$1500 for each of the provinces.

Mike stated that \$50K had been received from CESED (NS Centre for Environmentally Sustainable Economic Development) for staff support in support of ACZISC projects, in particular the Database Directory and CITAP. It was recommended that this \$50K be identified in the budget under project funding and separate from the core program.

**ACTION:** ACZISC members to review the draft 1995/96 ACZISC Workplan and budget and provide comments to the Secretariat by 28 Feb.

**ACZISC executive committee and the OIC to clarify the "linkage" between the ACZISC and the Oceans Institute of Canada (OIC) by 4 May.**

**DATABASE DIRECTORY:** Claudette LeBlanc, chair of the Database Directory Working Group, reported that an agreement had been reached with the NS Geomatics Centre in Amherst re the update of the Atlantic Coastal Zone Database Directory and the NS Directory of Geographic Data and Information. The agreement consists of collaboration and the exchange of expertise and resources.

As previously discussed and approved by the ACZISC, Version 3 of the Database Directory is based on the recently adopted federal standards for database directories, developed by the Committee on Geomatics of the Canadian General Standards Board (CGSB). The information from the "old" standard (Version 2) will be "plugged" into the new standard and output questionnaires will be produced. Claudette distributed a draft copy of the output questionnaire for Version 3. She will forward packages of these questionnaires to ACZISC members early to mid-March for distribution to the individual contact persons within their jurisdictions.

She announced that Iris Hardy of the Atlantic Geoscience Centre would be replacing Andy Sherin on the Database Directory Working Group. Paul Bellemare stated that Dale Nicholson would be temporarily replacing Paul Boudreau on the Working Group. It was also suggested that Hank Jones, ICOIN Project Officer, become a member of the Working Group.

**COASTAL INFORMATION TECHNOLOGY ARCHITECTURE PROJECT (CITAP):** Mike reported that the CITAP Working Group, formerly chaired by Paul Boudreau, is currently being

chaired jointly by Andy Montgomery, NS Land Use Committee, and Andy Sherin, Natural Resources Canada. Andy M. distributed a draft 2-page CITAP Vision Statement aimed at providing a strategic direction and a "kick start" for CITAP. Comments were requested.

Andy M. stated that it is important to provide a common sense of direction to build a constituency of support for CITAP. Emphasis must be placed on the opportunities and issues in CZM which are driving a wide variety of activities. CITAP may not encompass everything but a plan of as many initiatives as possible is needed which will show relationships. This will make it easier to identify duplication and reduce conflicts. This is absolutely necessary in these times of financial constraint. A "marketing job" is needed to implement CITAP.

Andy S. reviewed the Phase 1 CITAP report, stating that it did not identify a consensus for need nor a sponsor; a few copies of the report are available from the Secretariat. A Development Session was organized to address these problems; Andy S. circulated copies of the Session report. A 2<sup>nd</sup> Development Session, assisted by a facilitator, will be organized after the CITAP vision is finalized.

Participants made the following comments re CITAP:

- The challenge is to revitalize the group and get individuals working on CITAP action items.
- CITAP is fundamental to CZM and ACZISC goals. Standards, another requirement, are a component of CITAP.
- The problems in implementing CITAP are primarily related to people issues and partnerships, not technology.
- It was recommended that data producers consider a broader perspective than their own focused application.
- Data must be user independent and value of data must be recognized.
- Concerns were expressed that a traditional architecture may not be suitable to CITAP because of the variety of programs and the multitude of participants.
- It was suggested that areas of commonality be identified and that efforts be made to bring the players to the same level of understanding re CITAP.
- It was suggested that an analogy be added to the CITAP Vision Statement to clarify the CITAP principle and goals.

**ACTION:** ACZISC members to review the draft CITAP Vision Statement and provide comments to the CITAP Working Group Co-chairs (Andy Montgomery and Andy Sherin) by 17 Feb.

**CITAP Working Group to identify the focus, agenda and date for CITAP Development Session #2 by 28 Feb.**

**STANDARDS:** The Coastal Mapping Standards Working Group is co-chaired by Paul Bellemare and Mary Ogilvie. The status of the action items from Workshop #2 was discussed. Paul reported that a Chartnet node would be operational at BIO in 2 weeks; this will facilitate action on some of the outstanding action items. Reports of Workshop #1 and #2 are attached.

Standards Workshop #3 will focus on the Data Model - i.e. internal mechanisms which can be put in place from the bottom up. It will be hosted by New Brunswick.

**ACTION:** Standards Working Group Co-chairs (Paul Bellemare and Mary Ogilvie) to follow up by 28 Feb on the status of Action Items from the Report of the Standards Workshop #2, held at BIO in September 1994.

**Standards Working Group Co-chairs to organize Standards Workshop #3 prior to the next ACZISC meeting by 4 May.**

**ICOIN:** Mike Butler provided a brief history of ICOIN, a concept developed to implement a standardized, and easily accessible network of distributed data and information. Paul Bellemare stated that an ICOIN Project Office (IPO) has been established to identify means of implementing ICOIN; it is located at the Marine Environmental Data Service (MEDS) in Ottawa. However, the IPO has been working in isolation and without direction.

At a recent meeting of the ICOIN Management Board (Pat LeBlanc/Federal Environmental Assessment Review Office, Ron Wilson/MEDS, Hank Jones/IPO/MEDS, and Paul Bellemare/ACZISC), the reconstitution of ICOIN was recommended. A new board will be established and will be made up of ICOIN. Support will be sought from high levels at DFO. The ACZISC will be involved in developing the ICOIN Workplan.

## 5. **ATLANTIC ACCORD**

Mike Butler provided a brief history of the proposed Accord on Integrated Management of the Coastal Zone. He reported that the Accord was an OIC project and that the Institute had asked the ACZISC to review the Accord and provide feedback because of the relevance of the Accord to the ACZISC mandate and goals. The timing of the Accord is considered opportune because of the developing Oceans Act. The Province of Nova Scotia has already distributed the Accord through its bureaucracy because of its relevance to CZ 2000.

The Accord was discussed and the following comments were made:

- It was recommended that the ACZISC suggest to the OIC that the Accord be distributed through the Atlantic provincial bureaucracies at a senior level by the OIC.
- It was suggested that any mention of the ACZISC be removed from the cover page so as to avoid confusion.
- It was suggested that the Accord could be put on the agenda of the Conference of Atlantic Premiers after it has been circulated through the provincial bureaucracies.
- It was recommended that the ACZISC write a letter to the OIC supporting integrated coastal zone management (ICZM) in principle and endorsing the proposed Accord. It was suggested that the ACZISC make a strong statement for ICZM to meet regional, national and international needs.

**ACTION:** Secretariat to write a letter to the OIC by 17 Feb stating its support in principle of the proposed Atlantic Accord on Integrated Management of the Coastal Zone (revision dated 6 February - copy attached).

**Secretariat to recommend that the OIC distribute the Accord within the government bureaucracy for consideration.**

## 6. **PRESENTATION: THE DEVELOPING OCEANS ACT**

Paul Bellemare briefed members on the developing Oceans Act. The Act is being championed by Brian Tobin, Minister of Fisheries and Oceans, in the federal government. It is anticipated that a vision document will be available for circulation by the end of November to approximately 500 stakeholders identified in an internal DFO list and via the National Advisory Board on Science and Technology (NABST) review.

Comments have been requested and received in a series of ten focused group meetings held across Canada last December. Groups represented all levels of government, the private sector and unions.

A draft Cabinet document has been prepared and is undergoing interdepartmental review. It will go to Cabinet mid-February. If approved, this document will allow the Government to proceed in developing the Act. It is hoped that the Act will be enacted in the fall. Emphasis will

be on sharing and partnerships. Tools to address regional issues will be addressed. DFO will act as a lead and catalyst.

The Act will address responsibility for the coastal zone. Discussions are taking place with the Provinces re this issue.

The Masse review which is addressing federal government restructuring and overlaps is ongoing concurrently but separately from the Oceans Act. Points of discussion include the Coast Guard, ship management, freshwater, etc. The mechanics and bureaucracy are being reorganized. Don Amos stated that program details will be provided after the budget is presented later in February.

A consultation process may proceed before full enactment. Discussions will deal with both policy and the structure of the Act. Comments and ideas are welcome and are taken into account; these should be sent directly to Michelle Chartrand, DFO Ottawa. It was also suggested that the ACZISC Secretariat suggest to the OIC that a copy of the proposed Atlantic Accord be sent to Ms. Chartrand to feed the consultation process.

The Oceans Act was discussed and the following comments were made:

- Art Longard stated that he was unaware of any discussion between the federal government and Nova Scotia re the Oceans Act. Paul suggested that CZ 2000 be sent by Nova Scotia to Michelle Chartrand.
- Andy Power expressed concerns that feedback was not being provided by DFO on overall comments provided to date. Paul suggested that letters be written asking specifically for feedback.
- Paul Bellemare added that the NABST review was a major consultation effort and that the Oceans Act was building on that effort.

**ACTION:** ACZISC members to contact Michelle Chartrand, Director General, Program Planning and Coordination, Science, Fisheries and Oceans Canada - Tel (613) 993-0802, to provide input in and request feedback on the developing Oceans Act.

**ACZISC Secretariat to suggest to the OIC that a copy of the proposed Accord be sent to Michelle Chartrand.**

#### 7. **ACZISC WORKPLAN (cont'd)**

**ECNASAP:** Mike Butler, co-chair (with Joe Arbour and Andy Sherin) of the Canadian ECNASAP Project Management Committee, briefed participants on the Canada/U.S. East Coast of North America Strategic Assessment Project (ECNASAP). Project management committee meetings are held monthly including conference calls with the American counterparts.

Background documents are available although dated; up-to-date documents describing the Case Studies will be available in a week. The two ECNASAP case studies are: the Inshore Case Study led by Joe Arbour/EC and the Offshore Case Study led by Bob O'Boyle/DFO.

The Offshore Case is based on assemblage analysis of benthic data. The Woods Hole Research Institute located in Woods Hole, Massachusetts, is working closely on the project. A workshop will take place on Demersal Community Structure at BIO at the end of April. Robin Mahon is on contract until the end of March and is guiding the analysis. The Gulf of Maine Council on the Marine Environment (GoM) also is involved.

The Inshore Case Study is led by Joe Arbour. The project has two major components:

- a Shellfish Register for the entire Gulf of Maine. Data is being collected and input digitally. In Canada, data is being provided by the NS Department of Fisheries, the NB Department of Fisheries and Aquaculture and DFO. Land-based sources of pollution are provided by GoM. Query tools are being reviewed. The Shellfish Register will be completed by the middle of June.
- Shellfish closures re land-based sources of pollution at the estuary level. This component attempts to build on other programs, e.g., Canada Water Act, community-based projects, DFO Habitat Program, State of the Environment Reporting, GoM, and more recently the NB Premier's Clambed Action Committee.

A Strategic Planning Workshop will take place on 21-22 March in St. Andrews. Its purpose is to develop a framework for all the initiatives involved in the Inshore ECNASAP Case Study.

Joe stated that the ACAP (Atlantic Canada Action Program) groups would be meeting next week and that cooperation with ECNASAP would be on their agenda. Paul Bellemare stated that it should also have connections with the Passamaquoddy/ICOIN Project.

**NORTHUMBERLAND STRAIT:** Mike Butler provided a brief history of the Northumberland Strait Coastal Information Management System (NSCIMS). He stated that the goal was to develop a functional system focusing on the Strait for practical applications and to provide a showcase involving several projects for international marketing.

An NSCIMS Meeting was organized by the ACZISC and the Environmental Committee on 19 December. The organizers welcomed the private sector's recommendation that it "carry the ball" from this point on. The private sector also stressed the importance of governments contracting out geomatics contracts instead of building internal capabilities.

Eight companies expressing interest in NSCIMS will meet on 10 February. It is anticipated that a consortium will be formed and that a proposal will be developed and submitted for funding. Fixed Link Ltd. will be approached by the consortium. If requested by the consortium, the ACZISC will continue to advise.

**COASTAL ZONE CANADA '94 CONFERENCE:** Mike Butler, chair of the CZC '94 Program Committee on behalf of the ACZISC and the Oceans Institute of Canada, circulated a copy of the 5-volume CZC '94 proceedings. Volume 6 - the Action Plan and Recommendations - is currently being prepared. A CZC '94 Working Group is analyzing the recommendations of the workshop participants. Volume 6 will be widely distributed.

The CZC '94 Association was tasked with continuing the process started with CZC '94. Two applications have been received to put on future CZC conferences. The CZC '94 Association has approved an application by UQAR (Université du Québec à Rimouski) to hold a smaller and more focused conference in Rimouski in 1996. A larger and broadly scoped conference is tentatively scheduled to take place in Vancouver in 1998.

**COMMUNICATIONS:** The recently formed ACZISC Communications Working Group held its first meeting recently. Mike Butler will be acting as interim chair. The Communications Working Group has developed a workplan, including preparing a display to be used at conferences, etc.; providing a closed list service and a home page for the ACZISC on Charnet; and preparing a calling card for the Database Directory.

## 8. ***PRESENTATION: NB SUSTAINABLE DEVELOPMENT NETWORK***

Barry Jones, NB Department of Fisheries and Aquaculture, briefed participants on the NB Sustainable Development Network. He stated that it was official policy in NB to work towards sustainable development. The Bruntland Commission report was used as a guideline but needed further clarification on harmonization of resource use. The Network was developed

based on a series of events, including the Premiers Round Table from 1988-1992; the formulation of a policy in 1992; the Bouctouche Project 1992-95; and the Cocagne Project 1994-97.

The Network implementation model was developed primarily through the Bouctouche project and will be used in the Cocagne Project. It will be implemented in all the watersheds in NB. There are over 200 small watersheds in NB; for practical purposes, these have been temporarily grouped into 7 major areas. The Network deals with factors relating to ecology, economics, sociology and politics.

Barry reviewed the structure for the Bouctouche Project.

An application has been made to the NB Environmental Trust Fund for linkage of all interested groups and projects. Participation would be voluntary and participants would have access to data.

A conference on "Sustainable Development in New Brunswick: Putting Theory into Practice" will take place in October 1995 in Fredericton; for further information contact Barry.

Future goals for the Network include seeking recognition for the Network at the highest level, dedicating resources through revised priorities, and developing indicators.

In responding to questions, Barry added:

- The charge to revise priorities will be have a political angle and will be lead at the ministerial level. Bureaucrats are persuaded to participate by working all levels at the same time.
- Barry emphasized that the Network would not carry out work for which departments are responsible. Work is done in cooperation with other departments and under their legislation.

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

**CANADIAN FOREST SERVICE/NATURAL RESOURCES CANADA:** Bob West stated that the Canadian Forest Service (CFS) was now part of Natural Resources Canada. He commented that efforts were being made to convince CFS senior personnel of the important role that terrestrial managers can play in CZM and of the national and international implications of CZM. Joe Arbour commented that the Model Forest program provided excellent opportunities for CFS to become more involved in CZM.

Bob has had preliminary discussions with Andy Sherin regarding involvement by CFS in the Natural Resources Canada representation on the ACZISC.

**CANADIAN HERITAGE:** Dave McBurney (representing Francine Mercier) reported that National Parks had approached the Province of Newfoundland officially re the National Marine Conservation Area proposed for the west coast of Newfoundland. It is anticipated that National Parks will begin public consultation this summer.

A proposal to develop a National Marine Conservation Area in the West Isles region will be submitted to the NB Cabinet at the end of February. A public consultation process will probably follow.

It is expected that four new marine conservation areas will be in place by the year 2000. National Parks has begun to draft legislation specifically to administer the marine areas.

**NB DEPT. OF FISHERIES AND AQUACULTURE:** Barry Jones reported that the Department was involved in activities re aquaculture environmental interaction. A consultant is reviewing information which will be used for monitoring in the Bay of Fundy. The information will also be

made available to the aquaculture industry. DFO is doing a class assessment via a consultant for streamlining the process.

**GIAC ATLANTIC:** Jeffrey Parks reported that GIANB (Geomatics Industry Association of New Brunswick) had been reorganized into GIAC Atlantic - a component of the Geomatics Industry Association of Canada.

Jeffrey briefed participants on the CZM projects currently under way in the Province, including Passamaquoddy/ICOIN. Phase 1 of the project produced a report and phase 2 is currently under negotiation. The project will develop applications for emergency measures, environmental monitoring and sustainable development; three beta test sites will be evaluating the system. Paul Bellemare added that Phase 2 of the project would be going ahead and that Jim Ross/DFO would chair the steering/scientific authority committee for Passamaquoddy/ICOIN Phase 2; the first meeting of the committee will take place tomorrow. He also emphasized that the project must not be "dead end" and that it must have commercial applications.

Joe Arbour requested a copy of the Phase 1 report.

***ACTION:*** Dale Nicholson, CHS/DFO, to provide a copy of the Phase 1 ICOIN/Passamaquoddy Report to Joe Arbour and to the Secretariat by 17 Feb.

**GEMATICS ASSOCIATION OF NOVA SCOTIA:** Andy Power reported that GANS members were very active in the Province and in the region. The goal of GANS is to promote markets for NS geomatics industry nationally and internationally. The Association is composed of a mix of people - 50% from government and 50% from the private sector. The number of corporate and institutional sponsors are also equal.

GANS participates in diverse activities. It spent considerable time in 1994 sponsoring the implementation of the Champlain Institute Development Corporation. To date 19 companies have paid membership dues and others will follow. The initiative is supported by the Maritime Provinces. GANS was also involved in formulating a contracting out policy for NS.

The Geomatics Atlantic conference held last October in Fredericton proved to be very useful to the private sector for marketing and networking. Prior to that event, the CZC '94 conference held last September in Halifax also provided a valuable forum.

GANS has great expectations for 1995. The Association will be involved in putting together demonstrations for the G7 Conference scheduled for Halifax in June. GANS will be involved in organizing Geomatics Atlantic '95 scheduled for Halifax; attendance and interest in this conference is increasing each year. In addition GANS will be participating with government to review educational requirements and to foster awareness re geomatics.

**NB DEPT. OF MUNICIPALITIES, CULTURE AND HOUSING:** Ken Kenney briefed participants on the Commission on Land Use and Rural Environments (CLURE) which examined land use problems in NB. The government response to the problems identified by CLURE was to implement a new structure and process for land use planning.

Rural planning bodies have been put in place. Planning will take place locally based on provincial requirements and guidelines.

Several CZM issues were identified during several meetings held by CLURE across the Province. A 12 member interdepartmental CZM Committee has been meeting since the fall of '94; it is tasked with developing policies to address these issues. The policies will be adopted under the provincial Land Use Act and will emphasize shared responsibility.

**APICS/HUNTSMAN MARINE SCIENCE CENTRE:** John Allen commented that university interest is wide ranging in CZM, including science, engineering and law.

He reported that the Huntsman Marine Science Centre was focusing research on two major areas: biodiversity and impact of heavy metals. Long term monitoring is planned.

Huntsman has been asked by Environment Canada to join RARGOM (Regional Association for Research on the Gulf of Maine). RARGOM may hold a conference in St. Andrews in 1996.

Huntsman is very active in the ACAP site which extends 1 km from high water and includes Point Lepreau, the Wolves and Grand Manan. It is also active in studying water quality in the St. Croix River in terms of E. coli contamination due to the presence of pulp and paper mills in the area.

**EASTERN CHARLOTTE WATERWAYS INC:** Tom Clark reported that the Eastern Charlotte Waterways (ECW) was started in March of last year and is governed by a Board of 23 Directors. The group has received ACAP funding. It operates on a consensus building basis. The goal of the group is to have community participation in developing environmental monitoring process. The ECW is carrying out a study re shellfish values, including water quality, standards, etc. It will develop a framework which can be used by others. The study will be finalized this summer. Interested groups are participating in the study.

**WEST ISLES CLEAN ENVIRONMENT ASSOCIATION INC:** Garry Gaudett reported that he was a recent member of the Association which is involved in CZM planning, beach surveys, including rock weed, etc.

**FISHERIES AND OCEANS CANADA:** Paul Bellemare reported that the electronic chart program was ongoing. Currently approximately 100 charts are available in the Atlantic Region; these have been produced in response to the Brander Smith report on shipping safety. The use of electronic charts permits more accurate navigation.

CHS is acquiring two multi-beam shallow systems for hydrographic purposes.

A GPS and DGPS forum will be organized to deal with issues relating to the use of this technology.

CHS is reviewing the cost of managing water gauges. A zonal forum will take place in approximately a month's time; the number of gauges to be maintained and sources of funding will be discussed.

Paul briefed participants on the IACG (Inter-Agency Committee on Geomatics), a federal committee established for coordination. The Standards Sub-committee of the IACG is chaired by Tim Evangelatos/CHS Ottawa. As directed at the last ACZISC meeting, he represented the ACZISC at the IACG meeting in Ottawa on 9 November. The IACG recognizes the strength of the ACZISC and encourages communication between the two committees. Paul suggested that the ACZISC make a request to the IACG to be added to the agenda of the IACG meetings on a regular basis in the future. Andy Sherin added that Gordon Plunkett of NRCan had been involved in developing the IACG Directory and that Gordon has directory access software which could be made available to the ACZISC.

***ACTION:*** Secretariat to write a letter to Dave Carney, Chair of the IACG, suggesting that the ACZISC be added to the agenda of the IACG meetings.

**Claudette LeBlanc to contact Gordon Plunkett re the directory access software which could be made available to the ACZISC.**

Dale Nicholson reported that CHS was involved in a 3-month pilot project on shoreline definition. It is evaluating all the sources of shoreline data to determine their suitability for shoreline definition. A "guestimate" of the cost of resolving shoreline to a depth of 10 metres is \$200/km. The project is ongoing based on CHS priorities for charting. The high water is mathematically defined with the tides. Chartnet will be a window on the world to obtain information to produce CHS products and vice versa. A prototype has been installed at NDI (Nautical Data International) in St. John's. A node will be installed at BIO in two weeks.

Dale stated that he will be a member of the steering/scientific authority committee for Phase 2 of the Passamaquoddy/ICOIN Project. He also mentioned that he has been in contact with the NS Geomatics Centre re a CZM base map series for NS.

Jim Ross reported that he was with the Aquaculture Coordinating Office. He commented that aquaculture siting was a problem and that the office was trying to avoid conflicts such as those recently associated with the Annapolis River. Five community groups set up to examine aquaculture siting questions are getting good results. The groups are looking at alternative species; however, these operations tend to be expensive.

No site licences will be issued late this summer unless sources of spat are available. Experimental licences will be issued to collect spat in the wild; lease holders will not require a licence. Growers are being encouraged to grow more spat to accommodate demand.

**NACOM:** Paul Bellemare reported that NACOM (National Action Committee on Ocean Mapping) had held a workshop last week to discuss the future role of NACOM. It was agreed that its role should be primarily to create international markets. However, industry must cooperate and act collectively to benefit from market opportunities.

NACOM is carrying out a pilot ISO 9000 project for the creation of electronic charts; this is in response to liability requirements.

NACOM will be showcasing its products and services at the G7 Conference. This will be private sector led. The government will provide two ships for the showcase: the Matthew will be used for exhibits and the Creed for demonstrating technology. The main theme of the showcase will be ocean mapping. Hopefully the two multi-beam shallow systems being acquired by CHS will be available.

\$2 million have been provided by NACOM to the Chair in Ocean Mapping at UNB; half of these funds are from foreign sources.

A teleconference meeting will take place on 15 February with sites in Halifax, UNB Fredericton, St. John's and Québec. The meeting will deal with hydrography and the electronic chart.

**NATURAL RESOURCES CANADA/ATLANTIC GEOSCIENCE CENTRE:** Andy Sherin provided a report on the activities of the Atlantic Geoscience Centre (AGC). He circulated imagery processed by the AGC and collected by Public Works Canada off Brackley Beach, PEI and a coastal morphology map derived from aerial surveys carried out through a cooperative agreement with the Province of Newfoundland. This work will extend into Cape Breton through a cooperative agreement with the National Habitat Sensitivity Program/Roger Percy. The AGC is continuing its work with DEVCO re the sustenance of coal mines in Point Aconi, NS.

Andy reminded participants of the 15 March deadline for submitting abstracts for the 7<sup>th</sup> Canadian Coastal Conference, sponsored by the Canadian Coastal Science and Engineering Association (CCSEA). He distributed an announcement for the Conference which will take

place from 18-21 October 1995 at BIO (copy attached).

Andy also distributed information the Geomatics Canada ISO 9000 Investigation Program (copy attached).

**PUBLIC WORKS AND GOVERNMENT SERVICES CANADA:** Don Amos reported that Public Works was continuing to participate on the interdepartmental Northumberland Strait Crossing Project Environment Committee and developing a GIS to monitor the effects of building the bridge. He also stated that the Department was working on projects in partnership with the AGC, including surveys for laying fibre optic cable.

**PRINCE EDWARD ISLAND:** Jim Ramsay reported that the PEI Geomatics Information Centre had concentrated its efforts on land related data over the past four years. Agreements have been negotiated, including one with DFO Gulf Region which stipulates that PEI will provide information on shellfish leases to DFO and DFO will provide digital information to PEI. The Centre will be experimenting with Radarsat digital imagery. It was suggested that the Atlantic Centre for Remote Sensing of the Oceans (ACRSO) be invited to make a presentation on the Centre's activities at an upcoming ACZISC meeting.

PEI is cooperating with Environment Canada via Eric Theriault on a project looking at the environmental implications of raising the sunken Irving Whale.

The NAD83 datum is being considered for GPS in PEI.

***ACTION:*** Secretariat to contact Andy Thomas, Director of the ACRSO, inviting him to make a presentation at an upcoming ACZISC meeting.

**NEW BRUNSWICK:** Mary Ogilvie reported that she recently attended a meeting of the Canadian General Standards Board Geomatics Committee, of which she is a member. She also represented the interests of the ACZISC at the meeting. A lot of interest was shown in the activities of the ACZISC, especially by West Coast members.

Mary stated the digital terrain model is completed for NB. Next the NBGIC will be structuring the planimetry for NB at 1:10,000. Following that activity, resources may be directed to coastal zone mapping, combining hydrographic charts and nearshore data.

NB is currently wrestling with identifying the datum to be used for its high precision control survey network; it is considering the international datum.

**NOVA SCOTIA:** Art Longard commented that he was interested in the CZM policy activities reported earlier by Ken Kenney.

He reported that NS would be concentrating its aquaculture efforts on commercially viable species. GPS will be used for establishing sites.

Coastal Zone 2000 has been in the public domain for review since last summer. To date twenty public meetings have been held and 80 responses have been received to a questionnaire on Coastal Zone 2000. The review period has been extended to the end of March 1995.

Paul Bellemare commented that GPS had been or is being established by several users, including Transport Canada, Department of National Defence, the private sector, etc. He emphasized the need to identify the interest, liabilities, markets and areas of commonality re GPS utilization. The GPS/DGPS forum scheduled to take place this spring will address these issues; it may be held back to back with the Tidal Gauge workshop being organized.

**DAVID SCARRATT & ASSOCIATES:** Dave Scarratt reported that he was an active participant in three contracts involving CZ inventories. He commented on problems in obtaining suitable CZ base maps for these projects.

**ENVIRONMENT CANADA:** Joe Arbour reported that Environment Canada was involved in Habitat Sensitivity Mapping with the Geological Survey of Canada and DFO. He briefly described the Irving Whale project.

Environment Canada is developing an application of shellfish closure information which has been scanned and loaded into using Mosaic. The Department is continuing to digitize shellfish information.

#### 10. **REVIEW ACZISC TERMS OF REFERENCE**

As actioned at the last meeting (Meeting #12, 21 October, St. John's), the ACZISC executive committee produced another version of the ACZISC Terms of Reference (dated 28 October 1994); these were circulated to members prior to today's meeting.

A motion was made by Paul Bellemare and seconded by Jeffrey Parks to accept the Terms of Reference as tabled (dated 28 October 1994). The vote was unanimous in favour of acceptance.

#### 11. **ANNOUNCEMENTS AND PUBLICATIONS**

Mike mentioned several documents available for review by the participants, located on a nearby table, including the Proceedings of Coastal Zone Canada '94 and additional copies of the federal Science and Technology Review.

Documents available for distribution to participants included copies of CZ 2000 in WordPerfect format, the Executive Summary of the Workshop on Marine Coastal Information Standards (September 1994, BIO) and Environment Canada's Master Agreement.

Mike reported that CAST (Committee of Advisors on Science and Technology) is now involved in the ad hoc Committee on Oceans. It is carrying out a review into the proposed Oceans Network sponsored by the IDRC (International Development Research Centre). The Network is primarily academic and is based at Dalhousie University.

#### 12. **OTHER BUSINESS**

**COASTAL ZONE MAPPING:** Mike Butler reported that he had received a number of comments re the apparent lack of cooperation in coastal zone mapping projects in the region. He added that conflicts and overlaps also existed. He suggested that this situation could reflect badly on the concept of CZM and that it could also negatively impact on the reputation of the ACZISC. He asked participants if the ACZISC could assist in resolving the situation. The following comments were made:

- Paul Bellemare stated that CHS data was provided consistently in the same format. He suggested that one step towards resolving the problem would be to identify the 10 most sought after core data sets, standardize them, and identify responsible agencies.
- It was pointed out that the problem is more relevant to thematic data. Collection and accuracy vary considerably.
- Joe Arbour commented that the data sets and the application of the data were two separate issues. He added that standards more easily applied to some themes, e.g., coastal geomorphology. He added that communities were complaining about not being able to access data.

- John Allen stated that excessive standardization was not desirable. He added that exchange protocols and audit trails were needed more.
- Art Longard commented that he had been advised of "competition" by government departments and levels in signing community groups for coastal zone mapping projects.
- Jim Ramsay emphasized the geomatics centres in each province should be approached first to obtain information.
- Andy Montgomery stated that there were cooperation problems. NS has been asked to participate by providing base map information; in return the Province would receive the thematic data collected by the community groups. However, problems with the thematic data are surfacing, including collection and digitization inaccuracies. Andy suggested that a meeting be organized to bring interested parties together to discuss the problem.
- Andy Sherin commented that training and standards manuals might be one solution to the problem. He gave examples of these being produced on the West Coast. Perhaps funding could be sought for these under the TAGS program.

**ACTION:** Secretariat to organize a meeting by 28 Feb to review the status of the multitude of coastal zone mapping programs currently under way in Atlantic Canada.

**Secretariat to follow up on the possibility of accessing TAGS funds to develop training and standards manuals for coastal mapping.**

**ACZISC EVALUATION:** As agreed to at the formation of the ACZISC in January 1992, Mike Butler reminded members that the Committee must undergo an evaluation of its usefulness and effectiveness to each jurisdiction represented. Comments included:

- It was suggested that the evaluation be based in part on the Workplan.
- It was recommended that if a decision should be made to discontinue the Committee the Workplan must be revised accordingly.
- It was recommended that the value of the Committee also be evaluated in terms of its clients and its products.
- It was suggested that the return on dollars also be considered.
- It was proposed that the ACZISC executive committee draft guidelines for ACZISC members to use in assessing the effectiveness of the ACZISC.
- It was suggested that the review be on the agenda of the next ACZISC meeting.

**ACTION:** ACZISC executive committee to develop guidelines for ACZISC members to use in evaluating the effectiveness of the ACZISC by 28 Feb.

**ACZISC members to assess the value of the ACZISC to their respective jurisdictions and report at the next meeting.**

13. **NEXT MEETING AND ADJOURNMENT**  
**ACZISC Meeting #14 is provisionally scheduled for Thursday, 4 May 1995 in Halifax, Nova Scotia.**

ACZISC Meeting #13 adjourned at 16:30 hrs.