

MINUTES OF ACZISC MEETING #4

Atlantic Coastal Zone Information Steering Committee

Date: September 15, 1992 - 0900 hrs.

Location: Department of Environment and Lands
1st Floor Boardroom, Howley Building
St. John's, Newfoundland

PRESENT:

<i>Name</i>	<i>Affiliation</i>	<i>Tel. No.</i>
Don Amos	Public Works Canada	902-496-5009
Paul Bellemare	Fisheries and Oceans Canada	902-426-3497
Paul Boudreau (alternate for Paul Bellemare)	Fisheries and Oceans Canada (DFO Geomatics Secretariat)	902-426-7564
Michael Butler, Chairperson	LRIS/CMP	902-424-5835
Barry Gillis (substitute for Mary Ogilvie)	New Brunswick	506-457-7308
Larry Hildebrand	Environment Canada	902-426-9632
Terry Johnstone (guest speaker)	Nfld Dept. of Industry, Trade and Technology	709-729-4435
Hank Jones (guest speaker)	ICOIN Program Office	613-990-0252
Claudette LeBlanc, Secretariat	LRIS/CMP	902-667-7231
Mark MacFarlane (guest speaker)	Nfld Treasury Board	709-729-2678
Lincoln MacLeod	Nova Scotia	902-485-8031
Neil MacNaughton	Newfoundland and Labrador	709-729-3239
John Major	Transport Canada	902-426-6163
Doug Mason (observer)	NB Natural Resources and Energy	506-453-2437
Jim Ramsay	Prince Edward Island	902-368-4075
Peter Ricketts (guest speaker)	Saint Mary's University	902-420-5272

1. **WELCOME AND INTRODUCTION OF PARTICIPANTS**

Michael Butler, Chairperson, called ACZISC Meeting #4 to order at 09:00 hrs. He welcomed members and guests and thanked the Province of Newfoundland for providing the meeting facilities. A round-table introduction of participants followed. An up-to-date list of Committee members with addresses, telephone nos., etc. is attached.

2. **ADOPTION OF AGENDA, AND REVIEW AND APPROVAL OF MINUTES FOR MEETING #3**

The Provisional Agenda for Meeting #4 was reviewed. Mike Butler noted that Hank Jones of the ICOIN Program Office would be making a presentation on ICOIN. It was suggested that "Standards" be added to the Agenda under ACZISC Workplan and it was noted that the Newfoundland department of Development has been renamed Department of Industry, Trade and Technology. The Agenda (copy attached) was subsequently approved.

The minutes of ACZISC Meeting #3 were reviewed. It was noted that Jim Ramsay's name should be added to the ACZISC Working Group established to discuss the requirements for an Atlantic Coastal Zone Information Architecture; other members of the Working Group are Paul Bellemare, Larry Hildebrand, Lincoln MacLeod and the Secretariat. The minutes were approved as revised.

3. **STATUS OF ACTION ITEMS**

INFRASTRUCTURE RE COASTAL ZONE ACTIVITIES WITHIN JURISDICTIONS:

Members provided a brief description of the mechanism for information dissemination and feedback in their respective jurisdictions re ACZISC activities and coastal zone information management in general.

ACTION: Members to provide this information, including a graphic (e.g., organizational chart, key contacts, telephone and fax numbers) to the Secretariat by October 16, 1992 for distribution to members.

DOCUMENTATION ON PEI COASTAL ZONE MANAGEMENT: The Secretariat has distributed copies of documentation obtained from Kingsley Lewis following his presentation to the ACZISC in Charlottetown in Charlottetown on May 27. Members are reminded that the copies of the overheads are not for general distribution; the other documents can be distributed freely.

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

PUBLIC WORKS CANADA: Don Amos reported that Public Works Canada is compiling a number of databases for the Canadian Coast Guard as an ongoing exercise. These databases are being incorporated into an information management system.

COAST GUARD/TRANSPORT CANADA: John Major stated that the Coast Guard is reviewing its long range plans for maintaining harbours. Because of the Canada/US Free Trade Agreement and the potential increase in marine transportation, several harbours are showing interest in the Coast Guard Dredging Program (overseen by John). The Coast Guard also is reviewing twenty-four hydro-electric power project proposals.

NOVA SCOTIA: Lincoln MacLeod briefly reviewed the activities of the NS Coastal Zone Issue Group which he chairs. The Group will be identifying provincial issues relating to coastal zone management, determining priorities and seeking solutions to issue-oriented applications. Members representing the NS Museum and the Department of Economic Development have been added to the Issue Group; participation of the private sector is being considered by the Group.

An unpublished handbook prepared by Cynthia Lamson of Dalhousie University is being used by the Issue Group; the handbook may be updated by the Issue Group and published. Nova Scotia has produced a handbook on Watershed Management – including planning for litigation; the handbook is available from the NS Government Book Store at \$30 per copy.

Lincoln reviewed the background relating to the Mahone Bay Coastal Zone Management Plan which was featured on a CBC news program. A Workshop was initially held for officials of the NS Department of Fisheries; this was followed by a public Workshop and discussions at the Mahone Bay Municipal Council. Maps of the area were distributed to special interest groups and used to identify their zones of use, e.g., aquaculture, recreation, traditional fisheries, etc. Negotiations followed to deal with conflicting uses and finally a consensus map was produced.

FISHERIES AND OCEANS CANADA: Paul Bellemare reported that DFO is working towards implementing a *Geomatics Strategy for Coastal Management in the Atlantic*; the Strategy is currently being evaluated by the three Regional Director Generals. It will be circulated to the ACZISC members again after revisions. DFO projects relevant to the coastal zone include:

1. The Habitat Sensitivity Project; a list of relevant database files in DFO's Scotia-Fundy Region is attached.
2. \$9.5 million Electronic Chart Program in Canada to reduce vessel accidents and this protect the environment. Hot spots have been identified and feedback will be obtained by testing the product on a variety of ships.
3. A joint project with ORACLE on handling extremely large spatial/temporal databases
4. A Data Exchange Working Group dealing with protocols for exchanging hydrographic data with Public Works. CHS has also been approached by NB and NS for the exchange of data; test areas will be identified.

PRINCE EDWARD ISLAND: Jim Ramsay stated that PEI is continuing with its coastal zone planning and taking a corporate approach to land and water information. Current efforts are mainly in data capture for properties and boundaries. This is currently 75% complete with an anticipated completion date of June 93. PEI is interested in carrying out joint projects with federal departments and is initiating discussions with Public Works re a Fixed Link Project.

PEI now has a complete set of shoreline annotated videos; these were obtained from the Atlantic Geoscience Centre.

NEWFOUNDLAND AND LABRADOR: Neil MacNaughton updated the Committee on the status of digital conversion of NTS map sheets at 1:125,000 and 1:50,000 for Newfoundland and Labrador; all of the Island of Newfoundland is completed at 1:250,000 and the status of the 1:50,000 sheets is shown on the attached index. The companies submitting bids to carry out this work must be on an approved list.

Maps for 17 communities in the coastal region of Labrador will be digitised at 1:2500; specifications are currently being developed. Several maps at 1:2500 of communities in Newfoundland may be converted to digital format; Newfoundland Telephone may be cooperating in this venture in providing 60% of the funding.

The Wall Map project has been completed; a hard-copy map of Newfoundland was produced at 1:500,000 and one of Labrador at 1:1,000,000. A combined map will be generated.

The Province has recently published a new Atlas of Water Management in Newfoundland; a copy was made available for review.

NEW BRUNSWICK: Barry Gillis reported that NB is discussing a joint project with CHS and continuing discussions re the Passamaquoddy ICOIN Project.

NB is finalizing the production of a book of maps in digital and hard-copy formats. It will be updated every 3 years. The possibility of bathymetry is being considered; agreements re copyrights, ownership, liabilities, right to sell, etc. must be negotiated.

ENVIRONMENT CANADA: Larry Hildebrand briefed the ACZISC on the ACAP (Atlantic Coastal Action Program) Workshop held at Acadia University in July. The Workshop brought people from 13 ACAP sites together; this "network" of contacts will encourage consistency in approach to the common need of an Information Infrastructure.

DOE has taken the lead in the national Sensitivity Mapping Program. The Department is currently evaluating desktop mapping packages for user-friendliness; the report should be available in March.

A Canadian Marine Policy Strategy Session is scheduled to take place at Dalhousie University in October; the goal of the session is to develop a strategy "outside" government. Larry will be the DOE representative. DFO and the Department of National Defence will be participating.

Larry also briefed the members on the National Coastal Area Policy for Canada and our obligations through OECD (Organization for Economic Cooperation and Development) and UNCED (United Nations Conference on Economic Development). The status of these commitments will be evaluated in 1994.

A national framework approach to coastal zone management is being discussed by a Committee of 13 deputy ministers. Discussions are also planned with the provinces and territories.

ACTION: Secretariat to obtain the following documents re coastal zone management by October 31, 1992 from Larry Hildebrand for distribution to members:

1. ACAP Workshop Proceedings
2. Desktop Mapping System Evaluation
3. Aquaculture Decision Support Tool Evaluation
4. Paper (Beyond Year 2000) re Canadian Marine Policy and Strategy Session at Dalhousie University, Sept. 92
5. Organization for Economic Cooperation and Development (OECD) recommendations re coastal zone management
6. Framework for the management of marine environmental quality within the jurisdiction of the federal government
7. UNCED 92 – Agenda 21, Canadian commitments

ATLANTIC GEOSCIENCE CENTRE/ENERGY, MINES AND RESOURCES CANADA:

Mike Butler made a brief report on behalf of Andrew Sherin who was absent. John Shaw of the AGC attended the Euro Coast Conference in Germany and reported that European countries are cooperating to a large extent on coastal zone management. Andy

recommended that the Coastal Zone 94 Conference currently being organized promote communication between researchers and managers.

ACTION: Andy Sherin to provide index of videos produced for oil companies to Secretariat for distribution

5. PRESENTATIONS AND DISCUSSIONS

ICOIN: Hank Jones, manager of the ICOIN Program Office, reported on the status of ICOIN implementation. The ICOIN Program Office has a 3 year mandate plus in-kind support to catalyse the development of the national network. The goal of ICOIN is the support of decision-making capabilities with information systems. Three documents are currently being produced on ICION and will be made available to the ACZISC.

ACTION: Secretariat to obtain the following documents from the ICOIN Program Office by October 31, 1992 for distribution and review by members: ICOIN in Year 2002, ICOIN Methodology Report and ICOIN Technical Report

A model of ICOIN is evolving which will encompass a network of networks, be driven by user needs; encourage revenue generation; and serve a large user group. The multi-media Directory of Services Centre is the focal point of the Office:

1. The ICOIN Directory of Databases will eventually incorporate Artificial Intelligence and record usage to improve its effectiveness
2. The ICOIN Registry will contain information on the ICOIN community, *i.e.* users and providers

The ICOIN Office is also promoting the use of networking with 2 Electronic Bulletin Board Systems (EBBS). These will also be used as a feedback mechanism. It will be carrying out 2 workshops on EBBS: one on DFOnet and one on WEB.

The ICOIN name is copyright and the ICOIN Office will be licensing the use of the name.

While applauding the lead taken by DFO in the implementation of ICOIN, ACZISC members strongly recommended that ICOIN be implemented as an interdepartmental initiative. It was also recommended that ICOIN be implemented as an interdepartmental initiative. It was also recommended that a national interdepartmental steering committee be struck to direct the implementation of ICOIN.

Hank agreed to brief the ACZISC re ICOIN activities on a regular basis.

NOAA STRATEGIC ENVIRONMENTAL ASSESSMENT PROJECT: Peter Ricketts, Saint Mary's University, informed the ACZISC on the status of the proposed NOAA Strategic Environmental Assessment (SEA) Project; several documents were distributed by Peter. A SEA Workshop was held at Saint Mary's University on July 30-31. This was attended by several ACZISC members, and representatives of several Canadian federal departments and NOAA. It was suggested at that time that the SEA Project become a joint Canadian/US project and that Canada's participation be through the ACZISC.

It is proposed that the ACZISC coordinate Canadian participation in the pilot project and that a workshop be organized to assess technologies and protocols and to initiate the

project. The workshop would provide a forum for the demonstration of the NOAA/SEA technologies and procedures and the planning of a proposed 12-18 month pilot project. A Working Group of the ACZISC should be formed to plan the Workshop in cooperation with a NOAA team.

ACTION: Members to inform the Secretariat by October 9, 1992 if they wish to participate in an ACZISC Working Group responsible for planning, in conjunction with NOAA personnel, the Canada/US SEA Workshop scheduled for November at BIO.

NFLD TECHNICAL SUB-COMMITTEE ON STANDARDS: The Technical Sub-committee on Standards is chaired by Mark MacFarlane from the NFLD Treasury Board. It is responsible for developing policies and procedures for GIS, which are then submitted for approval by the Government. A Directory of Databases and Systems has been developed. The Sub-committee is developing standards based on models from New Brunswick and the federal government; it will also be developing policies re pricing, copyrights, access, etc. The Sub-committee is answerable to the Steering Committee established to set policy, plan and to review budget submissions. The Steering Committee is composed of ADMs and Directors; it is chaired by the ADM of Environment.

COASTAL ZONE MANAGEMENT IN NFLD: Terry Johnstone, Department of Industry, Trade and Technology, reviewed Newfoundland's activities in coastal zone management. The coastal and ocean environment is of extreme importance re socio-economic aspects of the Province; conflict use and industrial use are problems which must be addressed. The Department of Industry, Trade and Technology is stressing infomatics as a tool for coastal zone management.

Oil and gas activities in the 70s led to a number of coastal zone activities. Currently the Hibernia Construction Site Environmental Monitoring Protection Committee is looking at impacts of oil and gas developments. Advances in electronic communication have been made as a result of marine and ocean activity; several high-tech companies have been formed.

6. **ACZISC WORKPLAN**

SECRETARIAT FUNDING: The ACZISC members agreed that the Committee jurisdictions should pay \$2000 each to help defray the costs of Secretariat activities in 1992-93. It was also suggested that the ACZISC begin the process of leveraging funds from appropriate sources. The members recommended that MOUs be developed to address funding requirements for fiscal year 1993-94.

It was recommended that other potential ACZISC members be considered, including the Department of National Defence, Industry, Science and Technology, and ACOA; a phased approach should be taken to bring in other sectors, *i.e.* private sector and academic. In addition a Working Group should consider appropriate affiliation for the ACZISC.

ACTION: Secretariat to invoice the Committee jurisdictions via the members by October 9, 1992 for \$2000 each for funding to support Secretariat activities in fiscal year 1992/93.

ACTION: ACZISC Secretariat to contact CMP Secretariat by October 9, 1992 re proposed request for matching funds in support of Secretariat activities for fiscal year 1992/93.

Working Group (Paul Bellemare, Larry Hildebrand, Lincoln MacLeod and Jim Ramsay) to consider the protocol required for proposed affiliation of the ACZISC with the Conference of Atlantic Premiers

Jim Ramsay, with the support of the Secretariat, to prepare a Draft Memorandum of Understanding by November 30, 1992 between the member jurisdictions for future funding of Secretariat and ACZISC programs.

DIRECTORY OF DATABASES: Production of the Directory of Databases is ongoing. The Secretariat will look at options for distributing the Directory.

ACTION: Committee members to return questionnaires re the Atlantic coastal Zone Database Directory to Claudette LeBlanc, ACZISC Secretariat by September 30, 1992

ACZISC Secretariat to distribute a copy of the Atlantic Coastal Zone Database Directory to each Committee member by October 31, 1992 in hard-copy format and digital format (WordPerfect) for duplication and distribution within their respective jurisdiction.

ACZISC Secretariat to make available by October 31, 1992 to the Data and Information Management Committee of the Gulf of Maine Marine Environment Program those database entries of relevance to the Program.

ACZISC Secretariat to research the possibility of publishing and widely distributing the Directory.

INFORMATION TECHNOLOGY ARCHITECTURE: A draft unsolicited proposal for a Technology Architecture Plan submitted to the ACZISC by the CIN 2 Consortium was distributed to the ACZISC members for comments. The members were reminded that it was not for general distribution.

ACTION: Members to provide comments re the proposed CIN II Information Technology Architecture Plan to Mike Butler by September 30, 1992.

ACZISC Working Group (Paul Bellemare, Larry Hildebrand, Lincoln MacLeod, Jim Ramsay and Secretariat) to continue discussions with the CIN II Consortium regarding the completion of the Proposal by the Consortium. The final proposal will be circulated to the members for their consideration by October 31, 1992.

BLUE PLAN: A national framework for coastal zone management is being developed by the federal government; provincial and regional initiatives are also being implemented. These developments must guide the goals and activities of the ACZISC.

COASTAL ZONE CANADA '94 CONFERENCE: A Committee of 12 is organizing the Conference; it meets on a monthly basis. The Committee is co-chaired by Brian Nichols, DFO, and Larry Hildebrand. 500-1000 participants are expected to attend the Conference scheduled for September 20-23, 1994 at the World Trade and Convention Centre. The major emphasis of the Conference will be coastal zone management. The ACZISC is assisting in developing the program.

ACZISC NEWSLETTER: It was recommended that the proposed ACZISC Newsletter be put on hold because of lack of funds and other priorities.

PROJECT FUNDING: It was recommended that a funding formula be developed for the funding of ACZISC-sponsored projects. The Brokerage Service offered by the Department of Supply and Services should also be utilized.

STANDARDS: The issue of Standards will be addressed at the next meeting of the ACZISC by Tim Evangelatos of CHS, Ottawa.

7. **ANNOUNCEMENTS AND PUBLICATIONS**

Mike Butler announced that he would be making a presentation re the ACZISC to the LRIS Board of Directors in Halifax on September 21. He responded to enquiries re the mandate of the Geomatics Board, its relationship to LRIS and the Maritime Geomatics Strategy currently being developed.

ACTION: Secretariat to distribute to members by October 16, 1992 the Maritime Geomatics Strategy published by the Maritime Geomatics Board.

Upcoming workshops/conferences include: Priority Fish and Wildlife Habitats Workshop in St. Andrews on October 7-8; Shellfish Habitat Restoration Workshop in St. Andrews on October 14-15; Geomatics Atlantic in Halifax on October 20-21; GI 2000 Conference in St. John's on November 5-6 (Mike has been invited to make a presentation on the ACZISC).

Documents circulated for review include a Bay of Fundy Project Bulletin; a brochure on the Ocean Research and Development day to be held at Dalhousie University on September 29; a document on ACEOS (Atlantic Canada Earth Observation System); and a brochure on the Fragile Coastal Trail.

8. **OTHER BUSINESS**

PROPOSAL REVIEW BY ACZISC: Lincoln MacLeod circulated a draft copy of the Clean Annapolis Rover Project (CARP) proposal to members. Paul Boudreau reminded members of the Bras d'Or Lake proposal previously distributed to members for comments. This led to discussions re the need for a policy to deal with proposals submitted to the ACZISC for review and comments.

Following discussions, ACZISC members agreed to the following policy:

1. The Secretariat will distribute a copy of the proposal to each ACZISC member.
2. Members to submit comments to the Secretariat by a deadline (approximately 30 days from the date of distribution).

3. With the comments received from the members, Secretariat to prepare a coordinated response.
4. In the coordinated response, Secretariat to inform the proponents of the ACZISC's plans to implement a Coastal Zone Information Infrastructure.

ACTION: Members to review and provide comments to the Secretariat by October 16, 1992 on the Bras d'Or Lake Proposal (distributed).

Secretariat to prepare a coordinated response on behalf of the ACZISC by October 31, 1992 and forward the response to the project proponents.

Members to review and provide comments to the Secretariat on the final draft of the Clean Annapolis River project proposal; the proposal will be distributed by the Secretariat when it becomes available.

GULF OF MAINE MARINE ENVIRONMENT PROGRAM: Paul Boudreau reported on activities of the Data and Information Management Committee (DIMC) of the Gulf of Maine Marine Environment Program. A beta version of EDIMS (Environmental Data and Information Management System) is currently available on-line through Internet; the hub is located at the University of New Hampshire. Databases currently available are the GOM Database Directory, NB Water Levels, Mussel Watch and NOAA Satellite Imagery.

ACTION: Secretariat to distribute to members a list of representatives on the various committees of the Gulf of Maine Marine Environment Program by October 16, 1992.

9. ***NEXT MEETING AND ADJOURNMENT***

ACZISC Meeting #5 was scheduled for Tuesday, December 15, 1992 in Fredericton, New Brunswick. The members accepted Barry Gillis' invitation, on behalf of Mary Ogilvie, to hold it in the NBGIC Boardroom.

ACZISC Meeting #4 was adjourned at 17:00 hrs.