

MINUTES OF ACZISC MEETING #5

Atlantic Coastal Zone Information Steering Committee

Date: 15 December 1992 - 0900 hrs.

Location: NB Geographic Information Corporation
985 College Hill Road
Fredericton, New Brunswick

PRESENT:

<i>Name</i>	<i>Affiliation</i>	<i>Tel. No.</i>
Don Amos	Public Works	(902) 496-5009
Paul Bellemare	Fisheries and Oceans	(902) 426-3497
Paul Boudreau (alternate for Paul Bellemare)	Fisheries and Oceans (DFO Geomatics Secretariat)	(902) 426-7564
Michael Butler, Chairperson	LRIS/CMP	(902) 424-5835
Sandy Carlos (guest speaker)	DMR Group	(902) 420-1119
Jennifer Dunlap (observer)	NB Natural Resources and Energy	(506) 453-2437
Barry Jones (observer)	NB Dept. of Fisheries and Aquaculture	(506) 453-2047
Claudette LeBlanc, Secretariat	LRIS/CMP	(902) 667-7231
Kingsley Lewis (guest speaker)	PEI Executive Council	(902) 368-4511
Martin MacLellan	Communications Canada	(506) 851-6512
Lincoln MacLeod	Nova Scotia	(902) 485-8031
John Major	Transport Canada	(902) 426-6163
Doug Mason (observer)	NB Natural Resources and Energy	(506) 453-2437
Paul Morrison (guest speaker)	ADI Ltd	(506) 452-9000
Sue Nichols (observer)	University of New Brunswick	(506) 453-4698
Mary Ogilvie	New Brunswick	(506) 457-3908
Jim Ramsay	Prince Edward Island	(902) 368-4075
Chris Roberts (guest speaker)	Geodat	(506) 455-6352

1. **WELCOME AND INTRODUCTION OF PARTICIPANTS**

Michael Butler, Chairperson, called ACZISC Meeting #5 to order at 09:00 hrs. He thanked the Province of New Brunswick for providing the meeting facilities and welcomed members and guests; Martin MacLellan was introduced as the new representative of Communications Canada on the ACZISC. A roundtable 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 #4**

The Provisional Agenda for Meeting #5 was reviewed. It was noted that Paul Morrison and Chris Roberts would be making the presentation on Passamaquoddy ICOIN instead of Mark Doucette. In addition the presentation by Kingsley Lewis should be correctly entitled Northumberland Strait Information System Project. The revised Agenda (copy attached) was subsequently approved.

The minutes of ACZISC Meeting #4 were reviewed and approved as circulated.

3. **STATUS OF ACTION ITEMS**

The Action Items from Meeting #4 were reviewed. The following require further Action:

INFRASTRUCTURE RE COASTAL ZONE ACTIVITIES WITHIN JURISDICTIONS:

ACZISC members requested that a brief description of the mechanism for information dissemination and feedback in each jurisdiction be made available.

ACTION: Members to prepare an organizational chart of the mechanism for coastal information dissemination and feedback in their jurisdiction. Key contacts, including telephone and fax numbers, should be listed. Members to provide this information to the Secretariat by 31 January 1993 for distribution to members.

DISTRIBUTION OF DOCUMENTS BY ENVIRONMENT CANADA: Documents re coastal zone management will be distributed to the ACZISC members when they become available.

REVIEW OF BRAS D'OR LAKES AND ANNAPOLIS RIVER PROPOSALS: It was reported that the status of the Bras d'Or Lakes and Annapolis River proposals was uncertain.

ACTION: Secretariat to communicate by 31 January with Don Arseneau (Bras d'Or Institute) and Steve Hawboldt (CARP) re status of the Bras d'Or Lakes and the Annapolis River proposals respectively.

DISTRIBUTION OF THE MARITIME GEOMATICS STRATEGY: It was reported that the Maritime Geomatics Strategy published by the Maritime Geomatics Board had been distributed as requested. The ACZISC members requested that the follow-on report resulting from the meeting held in December be distributed when available.

ACTION: Secretariat to distribute to members the report of the December 92 Geomatics Board meeting when it is published.

4. **PRESENTATIONS AND DISCUSSIONS**

PASSAMAQUODDY ICOIN: Paul Morrison of ADI Limited and Chris Roberts of Geodat informed the participants of the status of the Passamaquoddy ICOIN project funded in part by the Atlantic Geomatics Alliance. Copies of the overheads used in their presentation are attached.

COMMUNICATIONS CANADA: Martin MacLellan, Communications Canada, briefed participants on current telecommunication research being undertaken by DOC and private sector partners and its impact on the economy. Copies of his overheads are attached.

NORTHUMBERLAND STRAIT INFORMATION SYSTEM PROJECT: A group representing the provinces of NB, NS and PEI is preparing a proposal for a Northumberland Strait Information System. It is expected that the initial proposal will be completed in March. The issue of strip development along the coast will be the major focus of the proposal.

Kingsley Lewis, PEI Executive Council, stated that the System would build an information base to assist in conflict resolution, e.g., recreational use of nearshore waters, viability of coastal communities, aquaculture, beach and dune erosion and protection, etc. The System would provide the user with the information required to analyze issues, identify options, arrive at conclusions and make recommendations. An important first step in developing a System would be the identification of existing databases.

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

COAST GUARD/TRANSPORT CANADA: John Major reported that a meeting of federal department representatives was held at BIO on 17 November to review federal jurisdictions in relation to aquaculture activities. The participants will be reconvening in the near future.

ACTION: John Major to provide the Secretariat with a copy of the minutes of the federal Aquaculture Meeting for distribution to ACZISC members, when published.

The Coast Guard is participating with CHS in the Electronic Chart Project. It is installing receiving stations for DGPS (Differential Global Positioning System) signals; 1 metre accuracy is being sought.

Approximately 500 individuals took part in CANUSLANT. The response to the emergency exercise was excellent; however, communications were identified as a weak link which must be improved.

FISHERIES AND OCEANS CANADA: Paul Bellemare reported that DFO is currently focusing on fisheries related issues because of the crisis in that sector. CHS and NBGIC are discussing the use of each other's data for coastal zone mapping; they are currently trying to read data which has been exchanged for a test area. This effort is also linked to the Atlantic Geomatics Alliance/ACOA-sponsored Passamaquoddy/ICOIN project.

The Electronic Chart project is being carried out in 3 phases:

1. Demo Project: Vessels (commercial and non-commercial) equipped with electronic charts to identify problems
2. Database Management
3. International Data Exchange and Standards

CHS is attempting to convert charts to the DIGEST format. The Coast Guard, the Department of Public Works and CHS are finalizing protocols for the exchange of data. CHS also plans to establish a partnership with Environment Canada.

Paul Boudreau reported that the Digital Chart of the World is available in the DIGEST format at a scale of 1: 1,000,000. Exchange formats are now available between DIGEST and DXF (Autocad's format). The nautical charts of the world may be available at a scale of 1:250,000 within two years.

A Workshop on the National Sensitivity Mapping Program is being held in Ottawa 14-17 December 1992. The objective of the Workshop is to reach a consensus on a number of issues related to the development and use of the National Sensitivity Mapping System. Participants include representatives from a wide range of agencies, and include developers, end-users and data providers. The Workshop is chaired by Roger Percy, Manager of the National Sensitivity Mapping Program, Environment Canada.

Federal/provincial recreational fisheries agreements have been signed with New Brunswick and Nova Scotia; these will include a large data and information component.

NOVA SCOTIA: Lincoln MacLeod stated that the Province is continuing with its activities re coastal zone management. A draft report by the Coastal Zone Issue Group will be distributed mid-January; the report will identify issues and an action plan. A document will be prepared for the deputy ministers by the end of March.

The Land Information System Advisory Committee is currently looking at standards for coastal zone mapping.

Lincoln informed ACZISC members that he is retiring as of the end of the month and that a new NS representative would be appointed to serve on the ACZISC.

COMMUNICATIONS CANADA: Martin MacLellan informed participants of a cross-sector Nova-Knowledge Meeting recently held at the Old Orchard Inn which dealt with issues of relevance to the ACZISC.

ACTION: Martin MacLellan to provide the Secretariat with a copy of the minutes of the Nova-Knowledge Meeting when published.

NEW BRUNSWICK: Mary Ogilvie reported that the ad-hoc NB Coastal Group has met 3 times to date. A consensus was achieved at the last meeting re the contents and standards for a coastal zone mapping program.

The Bouctouche Sustainable Development Project is a major scientific project under the direction of the NB Department of Fisheries and Aquaculture; the focus of the project is to reduce the impact of effluent entering the Bouctouche watershed upon oyster culture in the bay. A report on the first year of the project will be available by the end of March; to obtain a copy and for further information on the project, contact Barry Jones, NB Department of Fisheries and Aquaculture, tel (506) 453-2251.

Mary noted several upcoming conferences and workshops of relevance to the ACZISC (list attached).

PUBLIC WORKS CANADA: Don Amos reported that Public Works Canada is working with the Canadian Coast Guard to develop protocols for data exchange. Public Works is involved in the federal Aquaculture meetings mentioned by John Major.

ATLANTIC GEOSCIENCE CENTRE/ENERGY, MINES AND RESOURCES CANADA:

Andrew Sherin was unable to attend the meeting. However, he provided a report of AGC activities which was distributed by the Secretariat; a copy is attached. Participants reviewed posters and documents which were provided by Andy.

6. **ACZISC WORKPLAN**

DATABASE DIRECTORY: Claudette LeBlanc reported on the status of the Atlantic Coastal Zone Database Directory. A hard-copy of the Directory was distributed to the ACZISC members in November. Errors have been noticed in the DFO component; these have been corrected and revised components will be distributed.

ACTION: Secretariat to distribute revised hard-copy version of the DFO component of the Directory to members by 31 December 1992.

An up-to-date WordPerfect 5.1 version of the Directory was distributed. Claudette explained that it consisted of five diskettes: one containing the textual files and four containing the compacted map graphics and the software (PKUNZIP) necessary to explode the graphics. She asked that members contact her if they had problems loading the Directory on their computers.

A draft *Recommendations for Distribution* of the Directory was reviewed (copy attached). It was felt that the hard-copy version is important in terms of market penetration. The \$25K required to print 1000 copies of the Directory has not been identified to date. Claudette informed the members of a company identified by Andy Sherin which would distribute the Directory in a binder format (similar to that distributed by the Secretariat) for \$94.80 each.

ACTION: Secretariat to approach ACOA and other funding agencies by 31 December 1992 re funds for litho reproduction and distribution of Directory.

In order to determine the demand for lithographed hard-copies of the Directory at an approximate cost of \$50 per copy, members to canvas their respective jurisdictions re numbers required and to inform the Secretariat by 15 January 1993.

It was recommended that the Secretariat approach LRIS for the purpose of developing an MOU for the updating of the Directory and for its distribution, initially in WordPerfect and eventually as a digital package with the query software currently being developed by LRIS for Nova Scotia.

ACTION: Secretariat to draft a MOU with LRIS by 31 January 1993 re updating and distribution of the digital version of the Directory.

Secretariat to invite LRIS to demonstrate its database directory query software at the next meeting of the ACZISC.

The members recommended that the relevant subset of the Atlantic Coastal Zone Database Directory be provided to the Data and Information Committee (DIMC) of the Gulf of Maine Program. This subset will represent the Canadian contribution to the DIMC Directory of Databases.

ACTION: Secretariat to provide to the DIMC by 15 January 1993 those database entries of relevance to the Gulf of Maine Program.

It was recommended that a 1 page promotional flyer on the Directory be prepared and widely distributed. It was also recommended that the Directory be advertised on networks, in newsletters and via associations.

ACTION: Secretariat to prepare and distribute a 1 page flyer on the Directory.

SECRETARIAT FUNDING: The majority of ACZISC members have approved and acted on the \$2K invoices sent by the Secretariat; this revenue will defray in part the costs of operating the Secretariat in 1992-93. The Secretariat is also trying to obtain funds from other appropriate sources, e.g., ACOA, National Research Council, Council of Maritime Premiers, etc.

A draft *MOU on Funding Support for the Secretariat* in 1993-94 was distributed and discussed (copy attached). The provincial members recommended that future provincial contributions to the ACZISC be funded by the Maritime Geomatics Board.

ACTION: Secretariat to distribute copies of the MOU on funding support for the Secretariat for fiscal year 1993-94 to federal and Newfoundland ACZISC members for their action.

Maritime provincial ACZISC members to approach their representatives on the Maritime Geomatics Board re provincial funds for the ACZISC Secretariat for fiscal year 1993-94.

Secretariat to continue pursuing alternate funding sources for the Secretariat.

STANDARDS: Tim Evangelatos of CHS, Ottawa held a Workshop on Standards at BIO on 4 November 1992; a copy of the Workshop proceedings was circulated for review. To avoid duplication, it was recommended that members identify aspects of Standards of particular interest to the ACZISC and that Tim be invited to address these issues at an upcoming meeting. It was also suggested that the feasibility of forming an ACZISC Sub-group to address Standards be considered.

ACTION: Mary Ogilvie and Paul Bellemare to review options by 31 January 1993 re forming an ACZISC Working Group on Standards.

COASTAL ZONE CANADA '94 CONFERENCE: The Technical Program Sub-committee of the Coastal Zone Canada '94 Conference is chaired by Mike Butler representing the ACZISC and LRIS/CMP; it meets on a regular basis to develop a Conference theme and program format which will attract a wide range of participants, including representatives of coastal communities and organizations, scientists, academics, government and industry. Input into the Program format is welcomed from all interested individuals. A preliminary program for the CZC '94 will be presented at the upcoming 21 January meeting of the CZC '94 Organizing Committee, co-chaired by Larry Hildebrand, DOE and Brian Nicholls, DFO.

PROJECT FUNDING/EVALUATION: It was recommended that Working Groups of the ACZISC be formed to deal with individual project proposals as they are identified. A Working Group could also act as a Scientific Authority when a project is implemented.

CANADA/US STRATEGIC ENVIRONMENTAL ASSESSMENT PROGRAM: Mike Butler circulated a document on the proposed Strategic Environmental Assessment (SEA) Project for review. He informed members that an ACZISC SEA Working Group was formed as a result of an Action Item from the last meeting; it consists of Paul Bellemare, Paul Boudreau, Larry Hildebrand, Andy Sherin and the Secretariat. Peter Ricketts (Saint Mary's University) has been invited to participate as a Working Group member; he has a contractual arrangement with NOAA/SEA re the Strategic Environmental Assessment Program. Mike also briefed the Committee on his and Peter Rickett's visit to NOAA in Washington earlier this month to participate in organizing the Workshop scheduled for 13-14 January at BIO.

Members requested that two aspects of the proposed project be clarified: the process through which the project would be implemented and the gains that Canada would make by participating in the project. It was also recommended that provincial and municipal input in the Workshop be encouraged.

ACTION: ACZISC members to review documents re the ACZISC/NOAA Strategic Environmental Assessment Workshop scheduled for 13-14 January at BIO. Members to provide comments to the Secretariat by mid-day Monday, 21 December.

ACZISC members to inform the Secretariat by mid-day Monday, 21 December re potential Workshop participants from their jurisdictions.

7. ***PRESENTATIONS AND DISCUSSIONS (cont'd)***

INFORMATION TECHNOLOGY ARCHITECTURE UNSOLICITED PROPOSAL: Sandy Carlos, on behalf of the CIN 2 Consortium, made a presentation on the Information Technology Architecture Unsolicited Proposal. A copy of his overheads is attached. Members agreed that the proposed project deliverables are fundamental to achieving the long term goals of the ACZISC. They recommended that the CIN 2 Consortium register their proposal with DSS and the Environment Canada Environmental UP Program.

ACTION: Members to distribute copies of the CIN 2 Proposal within their jurisdiction for review. Comments to be sent to the Secretariat by 31 January 1993.

ACZISC members to identify funding sources for the CIN 2 Proposal and inform Secretariat by 31 January 1993.

Secretariat to prepare a report by 28 February 1993 re funding options for the CIN 2 Proposal.

8. ***ANNOUNCEMENTS AND PUBLICATIONS***

Mike Butler distributed information on ICOIN. The ICOIN Program Office is currently developing a prototype IPOnet; an electronic workshop on the use of networking is being planned cooperatively with Environment Canada.

ACTION: Secretariat to invite Hank Jones to demonstrate the IPOnet at the next meeting of the ACZISC.

Mike Butler informed the participants of presentations which he made on the ACZISC to the LRIS Board of Directors in Halifax in September, the Atlantic Canada Remote Sensing Committee in Halifax in October, the GI2000 Conference in St. John's, the Municipality of Shelburne and the College of Art and Design in Halifax in November, and the NS Coastal Zone Issue Group in Halifax in December.

9. **OTHER BUSINESS**

GULF OF MAINE DATA AND INFORMATION MANAGEMENT COMMITTEE: Paul Boudreau reported on activities of the Data and Information Management Committee (DIMC) of the Gulf of Maine Marine Environment Program. A number of deliverables have been produced: a database directory, a prototype of EDIMS (Environmental Data and Information Management System), and a user needs survey. DIMC has set aside \$23K of its current operating budget to fund the unsolicited proposal submitted by the CIN 2 Consortium. Funds are being sought to continue the work of the Committee after July 93.

ACTION: Secretariat to send a copy of the CIN 2 Proposal by 31 December 1992 to the Gulf of Maine Data and Information Management Committee Chairman for distribution to that Committee.

GULF OF MAINE WORKING GROUP: Barry Jones reported on activities of the Working Group of the Gulf of Maine Marine Environment Program. A draft MOU for the sharing of information by the Gulf of Maine Program and the Maine Research Board has been developed. The Working Group has approved the production of public information materials; a tape of folk songs is expected to generate profits to support the work of the Public Education Committee. Several workshops are being planned (refer to the list provided by Mary Ogilvie). It is anticipated that the work of the Gulf of Maine Working Group and Committees will continue in spite of lack of funds.

LI '93: It was noted that the program of the Land Information '93 Conference scheduled for 6-7 April 1993 in Fredericton will have a Coastal Zone component as in 1992.

LINCOLN MACLEOD'S RETIREMENT: Mike Butler congratulated Lincoln MacLeod on his retirement. Mike and the other ACZISC members expressed their warm wishes for a happy and productive retirement to Lincoln and thanked him for his active participation on the ACZISC, his many years of service to the Province of Nova Scotia and, in particular, for his unrelenting pursuit of coastal zone management over the last twenty years.

10. **NEXT MEETING AND ADJOURNMENT**

ACZISC Meeting #6 was scheduled for 09:00 hrs Thursday, 1 April 1993 at the Bedford Institute of Oceanography in Dartmouth.

ACZISC Meeting #5 was adjourned at 17:00 hrs.