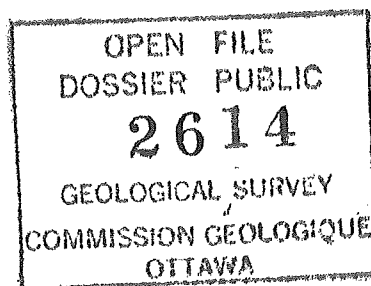


ATLANTIC COASTAL ZONE DATABASE DIRECTORY

Published by

ACZISC

*Atlantic Coastal Zone
Information Steering Committee*



1st Edition

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by scanning the original publication.

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de la publication originale.

INTRODUCTION

The Atlantic Coastal Zone Database Directory is presented to you with the compliments of the Atlantic Coastal Zone Information Steering Committee (ACZISC). The Directory has been prepared by the Secretariat of the ACZISC with the support and cooperation of the Committee members who represent respectively the Provinces of New Brunswick; Newfoundland; Nova Scotia; and Prince Edward Island; the federal Departments of Communication; Environment; Energy, Mines and Resources; Fisheries and Oceans; Public Works; and Transport; and the Land Registration and Information Service of the Council of Maritime Premiers.

The Atlantic Coastal Zone Database Directory builds on other similar initiatives which have been undertaken recently in the Atlantic Region. These initiatives are the *Directory of Marine Data Sets* published by the Champlain Institute in 1991; the *Catalogue of Environmental Data in Atlantic Canada* published by Conservation and Protection of Environment Canada in 1991; and the *Dataset Directory* currently being developed by the Data and Information Management Committee of the Gulf of Maine Marine Environment Program.

This is the first edition of the Atlantic Coastal Zone Database Directory; it will be updated annually by the ACZISC and will be available on a subscription basis. The Directory is currently also distributed in digital format (WordPerfect 5.1) and at a later date will be available in a flat file format. This is intended to promote the widest possible application and interoperability in conjunction with the search, view and update software packages which are becoming increasingly available.

In addition to identifying data and information, the Directory is intended to promote the development of a network(s) of distributed databases, the foundation for a regional information infrastructure and the raison d'être of the ACZISC.

The ACZISC would gratefully receive any comments, suggestions, omissions, additions and corrections regarding the first edition of the Directory. Only its wide usage and utility will justify the considerable investment required for its production. Please forward comments to: ACZISC Secretariat, c/o LRIS, P.O. Box 310, Amherst, Nova Scotia, Canada B4H 3Z5 (Tel 902-667-7231; Fax 902-667-6008).

HOW TO USE

The Atlantic Coastal Zone Database Directory is divided into nine components according to the source of the databases. The components are identified by the following designations on the tabs:

NB	<i>Province of New Brunswick</i>
Nfld	<i>Province of Newfoundland</i>
NS	<i>Province of Nova Scotia</i>
PEI	<i>Province of Prince Edward Island</i>
DFO	<i>Federal Department of Fisheries and Oceans</i>
DOE	<i>Federal Department of Environment</i>
DOT	<i>Federal Department of Transport (Coast Guard)</i>
EMR	<i>Federal Department of Energy, Mines and Resources</i>
Misc	<i>A variety of sources including the private sector, universities, federal departments not represented on the ACZISC, and other</i>

Each component represents an initial "lift" of information describing various databases relative to the coastal zone. The reliability of the database descriptions recorded in this Directory has been assessed according to three criteria: Verified, Not Signed, and Unverified; these designations are recorded as no. 17 at the bottom of the "map page" of each database description. The three designations and their explanation are:

Verified	<i>The contact person or another appropriate individual has verified the information and has signed a form indicating this verification.</i>
Not Signed	<i>The contact person or another appropriate individual has verified the information but has not signed a form indicating this verification.</i>
Unverified	<i>The contact person or another appropriate individual has not verified the information. The information, however, was obtained from reliable sources but may be "dated".</i>

Included with each of the nine components of the Directory is a specific Table of Contents. These are combined as a sequential Table of Contents, which follows. It is included to assist users in identifying databases of relevance to a particular topic; the user can then locate the required database descriptions in the clearly tabbed Directory components.

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**ATLANTIC
COASTAL ZONE
DATABASE DIRECTORY**

*Province of
New Brunswick*

**Version 1.0
October 1992**

The Atlantic Coastal Zone Database Directory is published by the Atlantic Coastal Zone Information Steering Committee (ACZISC). This portion of the Directory comprises the Province of New Brunswick's component of the Directory and represents the most up-to-date inventory of the Province's databases relevant to the Atlantic coastal zone. It is the result of a survey to update previously published information on databases and to identify and document additional databases. The information will updated and expanded on a regular basis and provided through the ACZISC to those expressing an interest in our databases.

For more detailed information on specific databases of the Province of New Brunswick, please feel free to communicate with the contact persons identified on the inventory sheets. For general information on New Brunswick's database inventory and the Province's role on the ACZISC, please contact:

Mary Ogilvie
Director of Planning
New Brunswick Geographic Information Corporation
PO Box 6000
985 College Hill Road
Fredericton, New Brunswick
Canada E3B 5H1

Tel (506) 453-3908
Fax (506) 453-3898

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PROVINCE OF NEW BRUNSWICK

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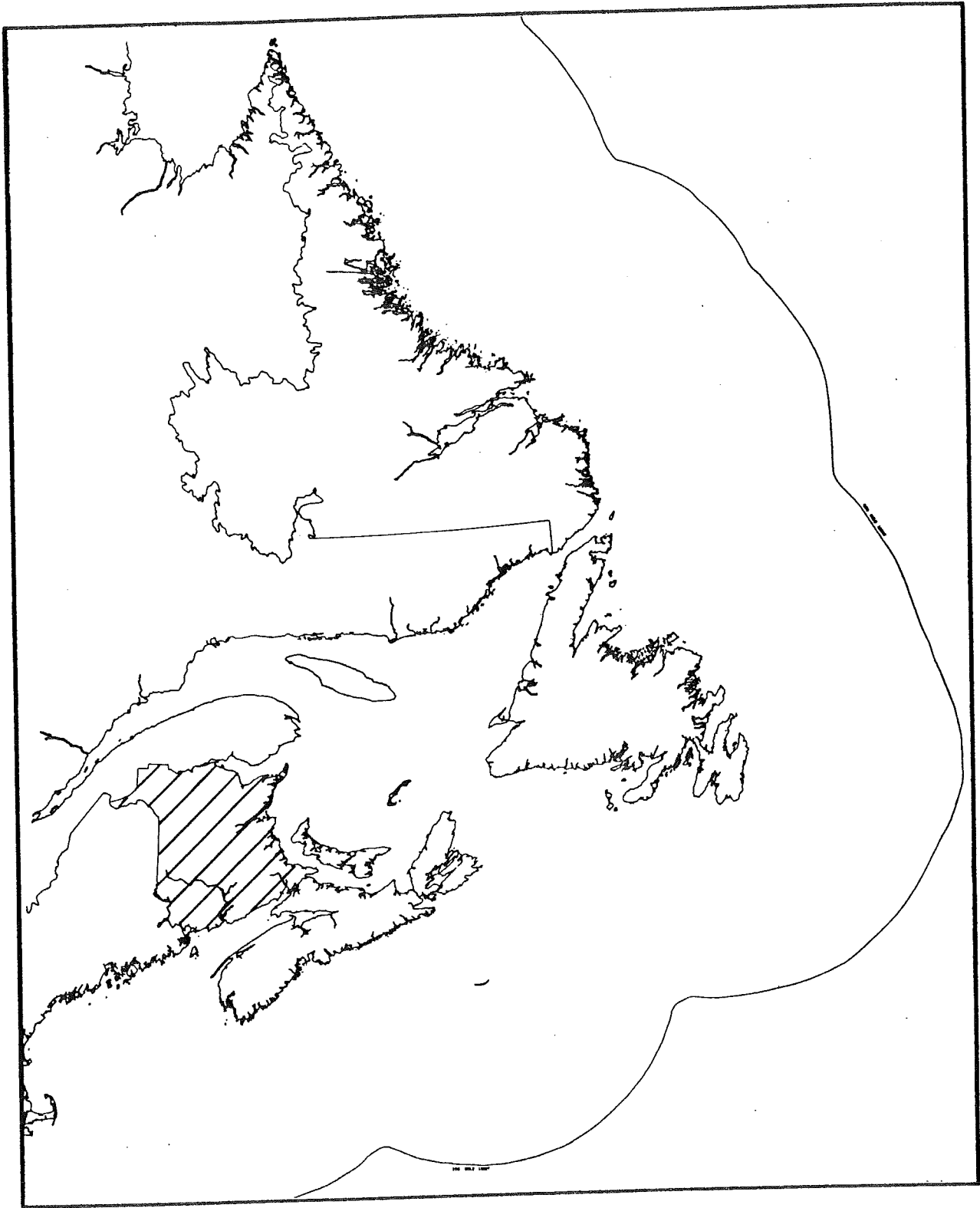
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1. **Database Title: Air Quality Information**
2. **Contact Person:**
Jim Knight
New Brunswick Department of the Environment
PO Box 6000
Argyle Place
Fredericton, New Brunswick E3B 5H1
Tel (506) 453-2669
3. **Purpose:**
Baseline data to facilitate environmental impact assessments, trend analysis and assimilative capacity
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Variable, depending of size of the request
Restrictions: Some information is proprietary
5. **Geographical Coverage/Scale:**
New Brunswick
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1986 to present; updated continuously
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical: Precipitation amount and type
Chemical: All major wet precipitation parameters including nitrates, sulphates, calcium, potassium, magnesium, pH, alkalinity
10. **Sampling Procedures:**
Automatic collectors, standard rain gauges
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM
Operating system:
Software: dBASE III
15. **Comments:**
Part of CAPMoN network

16. Map indicating areas of data holdings:

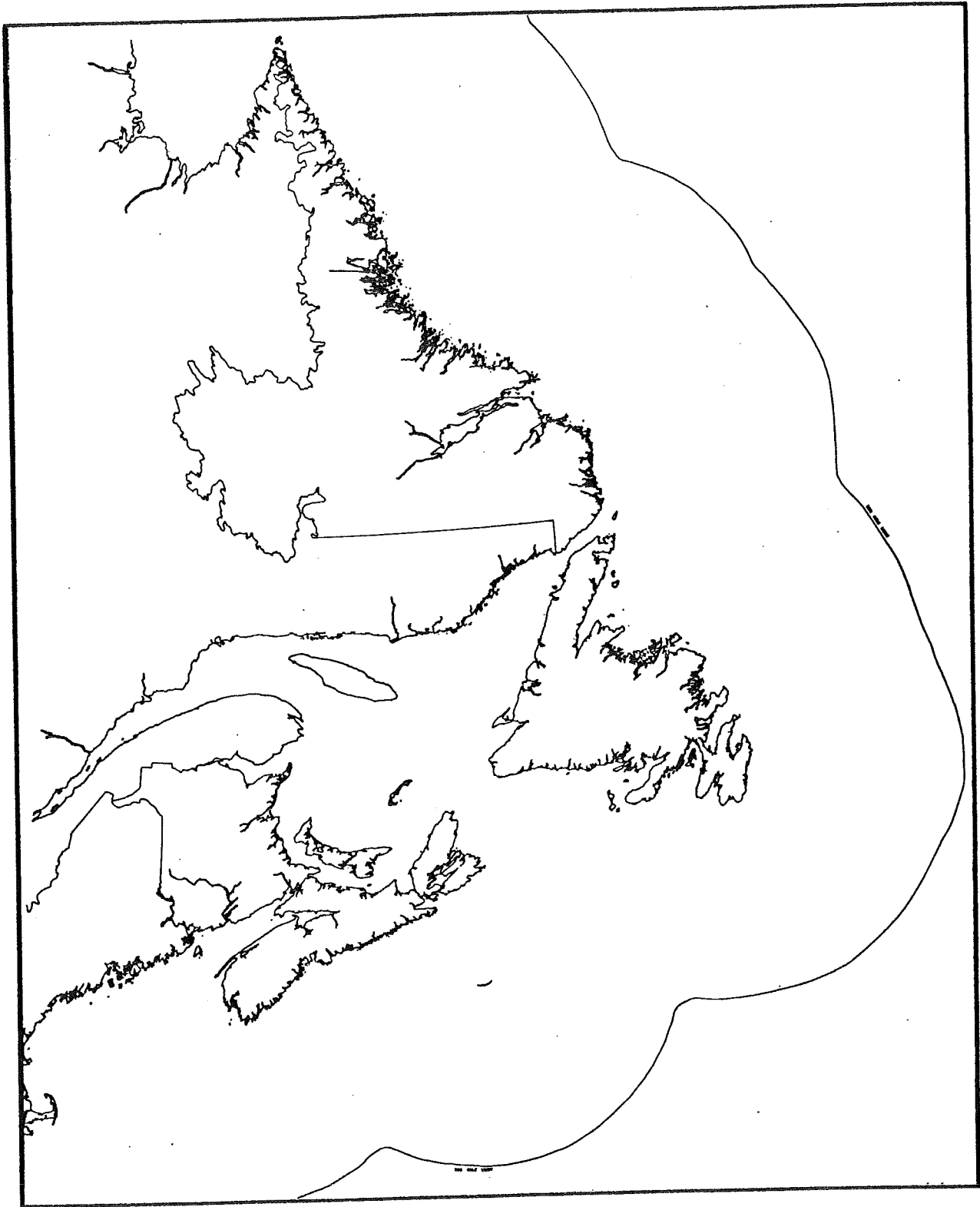


17. Signature: Not signed

Date:

1. **Database Title: Aquaculture Monitoring Program**
2. **Contact Person:**
Jean-Pierre Thonney
Environmental Planning and Sciences
New Brunswick Department of the Environment
PO Box 6000
Argyle Place
Fredericton, New Brunswick E3B 5H1
3. **Purpose:**
To assess environmental impact of cage aquaculture on Bay of Fundy
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Information available upon request
5. **Geographical Coverage/Scale:**
Southwest corner of Bay of Fundy
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Summer to fall 1991; Spring to fall 1992
Updated semi-annually
8. **Format:**
Hard-copy: Maps, reports, photos
9. **Data Types/Parameters Measured:**
Biological, oceanographic, sediment chemistry, water quality, operational data
10. **Sampling Procedures:**
On-site surveys
11. **Program Type:**
Monitoring
12. **Size/Growth:**
50 sites x approximately 100 data points per site
50-100% annual growth for next 2 years
13. **Environmental Legislation relevant to this data:**
Aquaculture Act
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: Lotus and Harvard Graphics
15. **Comments:**

16. Map indicating areas of data holdings:

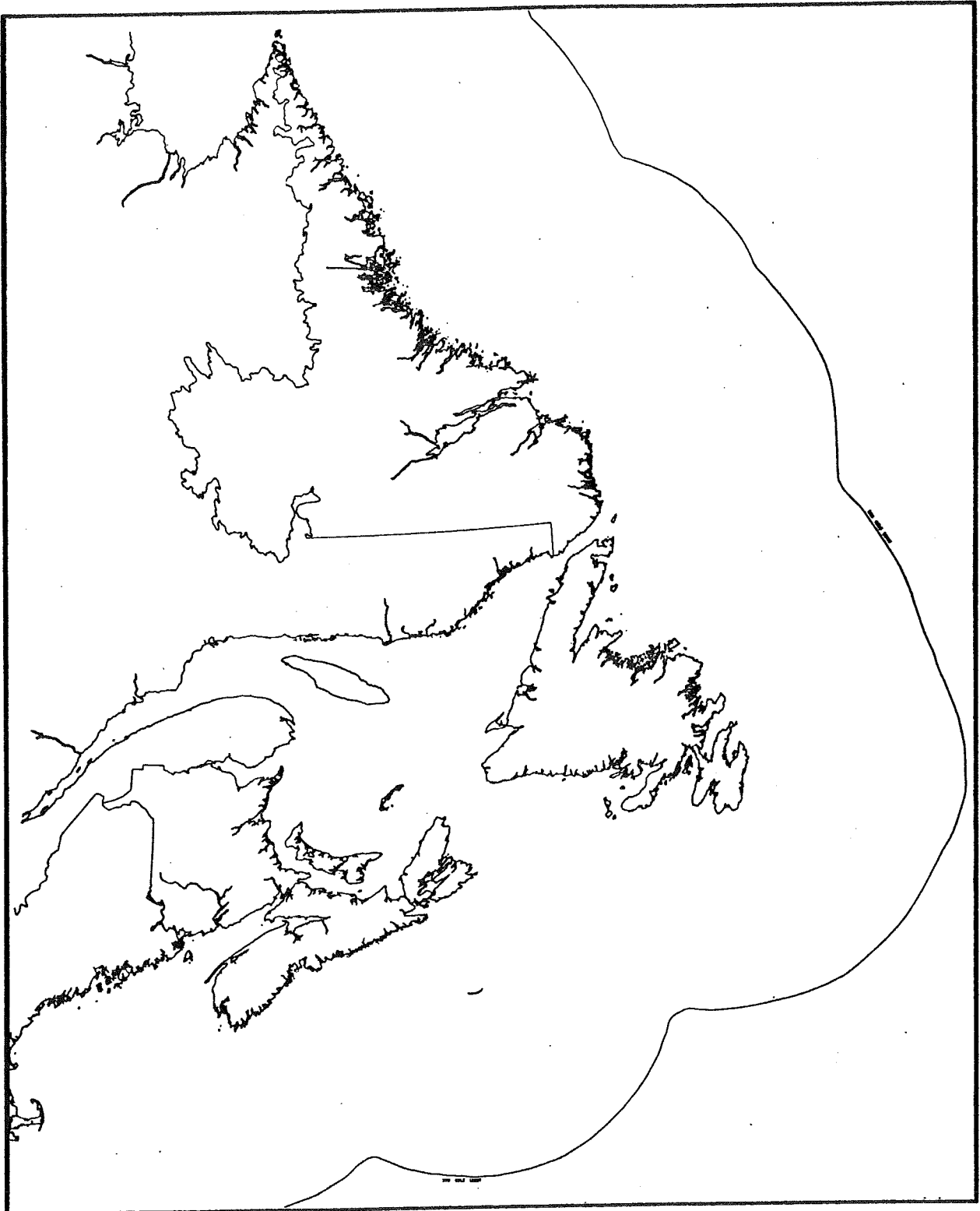


17. Signature: Not signed

Date:

1. **Database Title: Critical Flood Levels in the Saint John River Basin**
2. **Contact Person:**
Pat Tang
New Brunswick Department of the Environment
PO Box 6000
Argyle Place
Fredericton, New Brunswick E3B 5H1
Tel (506) 453-2353
3. **Purpose:**
To identify structures and other specific locations in the Saint John River Basin which could be affected by flood waters
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: No charge
Restrictions: None
5. **Geographical Coverage/Scale:**
Saint John River Basin - mostly in populated areas
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
N/A
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Ground elevations of buildings and other specific locations in flood prone areas
10. **Sampling Procedures:**
Survey of ground elevations based on geodetic datum
11. **Program Type:**
Research and used operationally in flood forecasting
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM compatible PC
Operating system: MS DOS
Software: dBASE III
15. **Comments:**
Monitoring is carried out to determine the risk of flooding by comparing forecast levels to levels in the database.

16. Map indicating areas of data holdings:

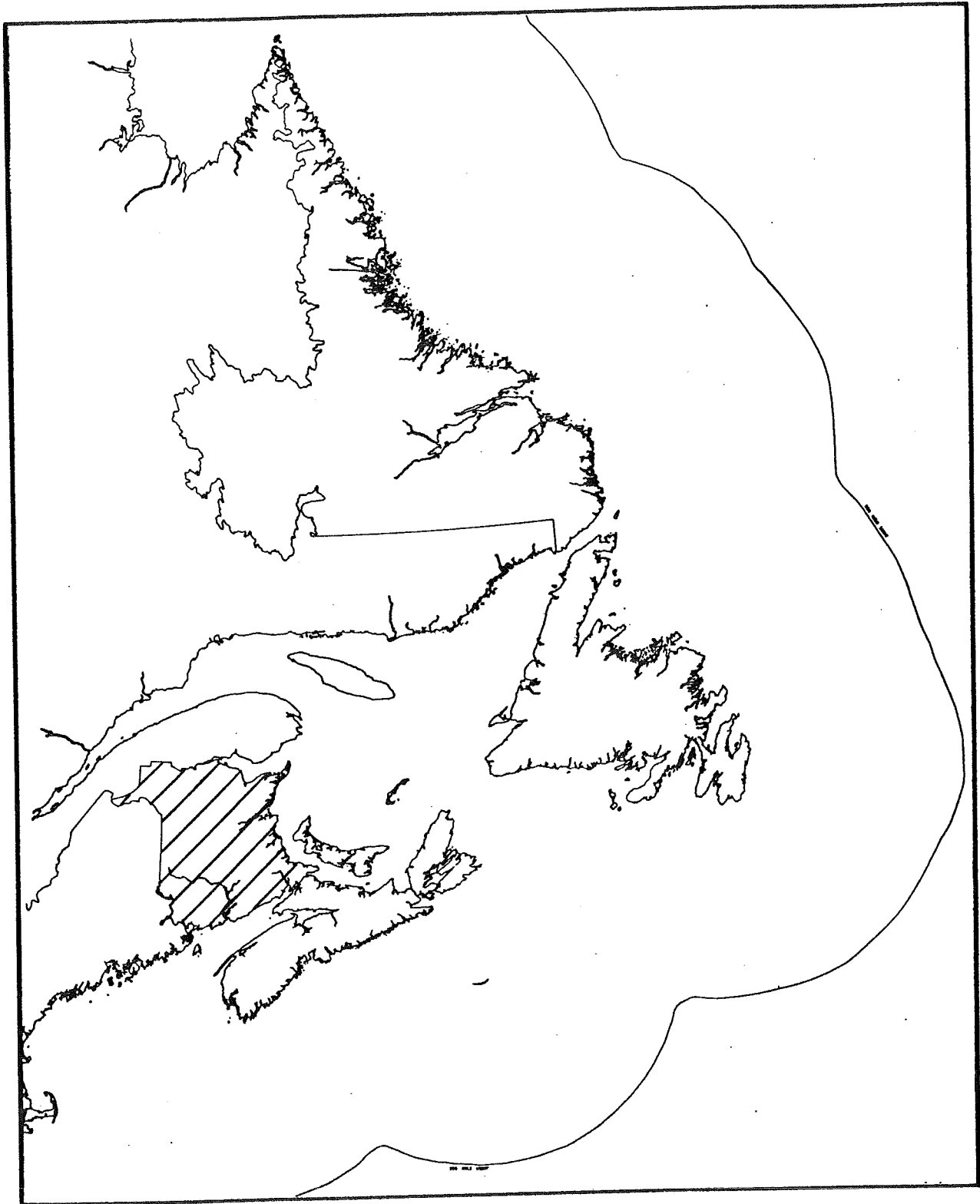


17. Signature: Not signed

Date:

1. **Database Title: Environmentally Significant Areas in New Brunswick**
2. **Contact Person:**
Jane Tims
Manager, Water Classification Program
Environmental Planning and Science Branch
New Brunswick Department of the Environment
PO Box 6000
Argyle Place
Fredericton, New Brunswick E3B 5H1
Tel (506) 457-4846; Fax (506) 457-7823
3. **Purpose:**
To identify unique, sensitive or otherwise ecologically significant areas
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
All New Brunswick: principally Charlotte, Saint John, Kings, Queens, York, Sunbury, Carleton, Victoria and Northumberland counties
6. **Geographical Referencing:**
UTM
7. **Period of Record/Update Frequency:**
Established in 1984
Ongoing update
8. **Format:**
Digital and Hard-copy: Reports
9. **Data Types/Parameters Measured:**
Location, UTM, references, area type, notes
10. **Sampling Procedures:**
Interviews
11. **Program Type:**
Surveys
12. **Size/Growth:**
277 records
Sporadic addition of records
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: dBASE IV
15. **Comments:**

16. Map indicating areas of data holdings:

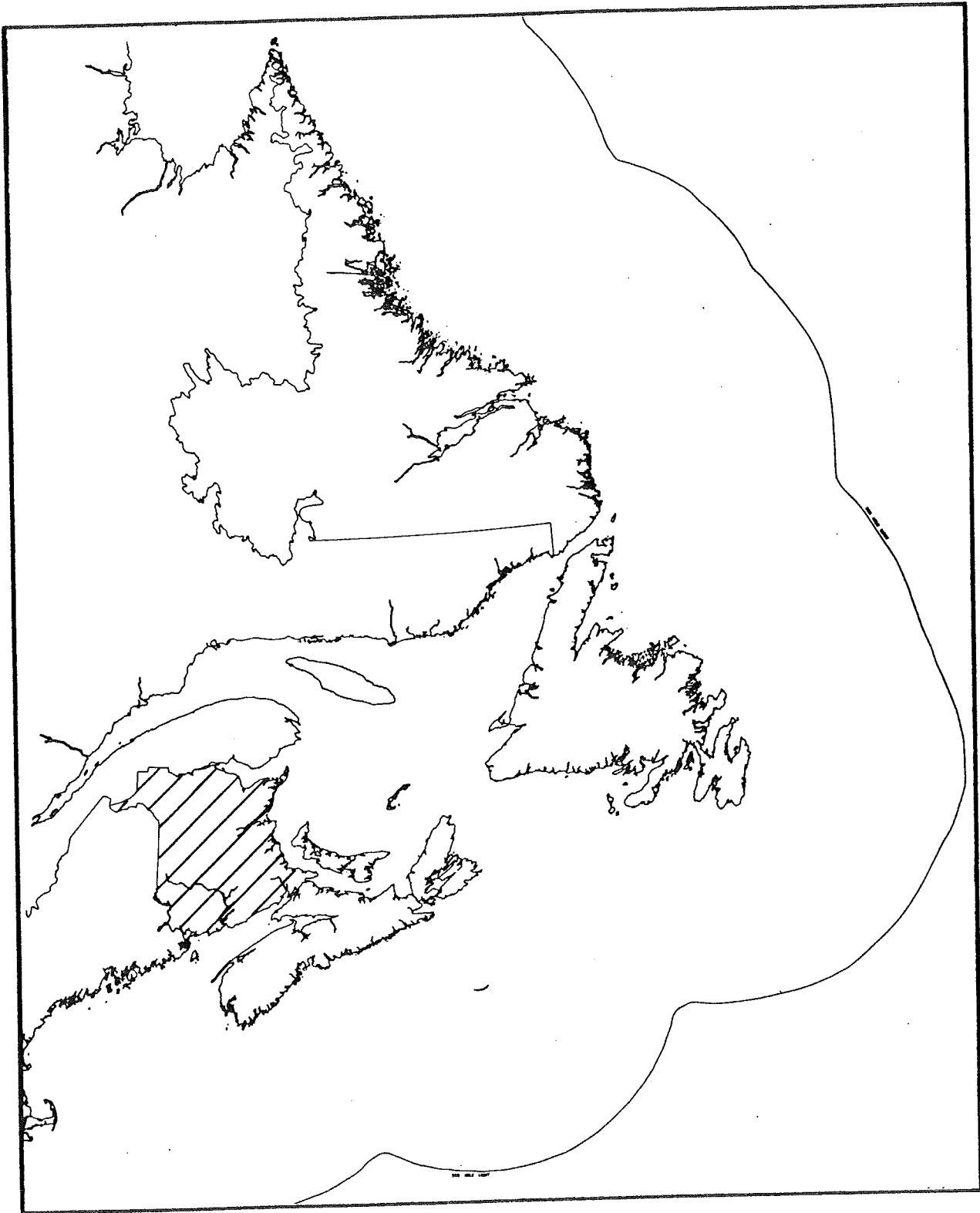


17. Signature: Not signed

Date:

1. **Database Title: Groundwater Levels**
2. **Contact Person:**
Mike Sprague
Water Resource Planning and Sciences Branch
New Brunswick Department of the Environment
PO Box 6000, Argyle Place
Fredericton, New Brunswick E3B 5H1
Tel (506) 457-4844; Fax (506) 453-2390
3. **Purpose:**
To measure fluctuations in groundwater levels at selected sites in New Brunswick
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: None; Restrictions: None
5. **Geographical Coverage/Scale:**
New Brunswick at 37 monitoring stations (map available showing the location of the stations)
6. **Geographical Referencing:**
Latitude/Longitude and UTM
7. **Period of Record/Update Frequency:**
12 year period of record
Updated monthly until April 1, 1992 when program was cut as a budget reduction measure.
8. **Format:**
Hard-copy: Data spreadsheets and hydrographs by year; "Summary of 1991 Groundwater Levels" Report
9. **Data Types/Parameters Measured:**
Physical: Water level information - depth below ground level and elevation of water level referenced to geodetic datum
10. **Sampling Procedures:**
Water levels measured using chart recorders and dataloggers (data was directly downloaded to office using modems)
11. **Program Type:**
Monitoring: Baseline stations (reflect natural fluctuations w.r.t. climate, topography and geology);
Water management stations (reflect pumping activity in municipal wellfields)
12. **Size/Growth:**
12 year period of record for 37 stations; 0% annual growth as result of termination of program
13. **Environmental Legislation relevant to this data:**
Clean Environment Act and Clean Water Act
14. **Computer System:**
Host computer: PC
Operating system: MS DOS 5.0
Software: Symphony 2.0, Lotus 3.1, Harvard Graphics
15. **Comments:**
Although this program was terminated in April 1992, groundwater level data remains stored on computer hard drive and 3.5" diskettes (2 sets).

16. Map indicating areas of data holdings:

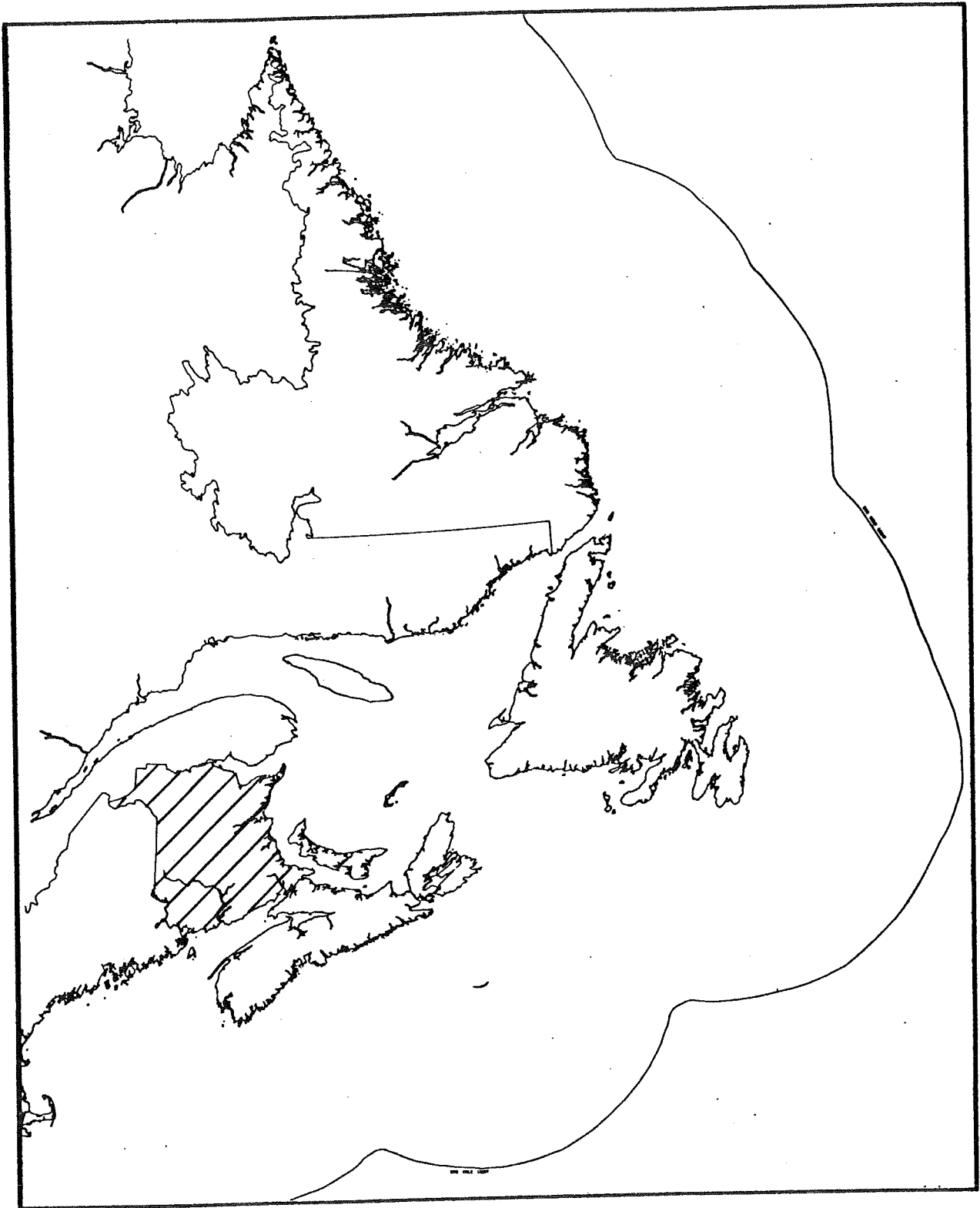


17. Signature: Not signed

Date:

1. **Database Title: Petroleum Management System**
2. **Contact Person:**
Doug Neilson
Environmental Protection Branch
New Brunswick Department of the Environment
Argyle Place, PO Box 6000
Fredericton, New Brunswick E3B 5H1
Tel (506) 457-4848; Fax (506) 453-2265
3. **Purpose:**
To compile data on above, underground and portable petroleum storage tanks in New Brunswick
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Site specific information available upon request
5. **Geographical Coverage/Scale:**
New Brunswick
6. **Geographical Referencing:**
PID, PAN, DSSNO, county, municipality, facility name, owner's name, postal code and telephone number
7. **Period of Record/Update Frequency:**
1988
Updated daily
8. **Format:**
Hard-copy: Engineering drawings
9. **Data Types/Parameters Measured:**
Physical: Petroleum storage tanks - upgrades, new construction, abandonments, transfers of ownership, leaks, spills, licensing data
10. **Sampling Procedures:**
Information obtained from permits, major oil companies and environmental approvals
11. **Program Type:**
Monitoring
12. **Size/Growth:**
15% annual growth
13. **Environmental Legislation relevant to this data:**
Environmental Act, Regulation 87/97
14. **Computer System:**
Host computer: PC
Operating system: NOVELL
Software: Clipper, dBASE IV, FOXPRO, Lotus
15. **Comments:**
Database contains comprehensive information on 6,500 petroleum storage tank sites and 9,000 individual tanks. Only amalgamation of data can be released to protect individual oil companies.

16. Map indicating areas of data holdings:

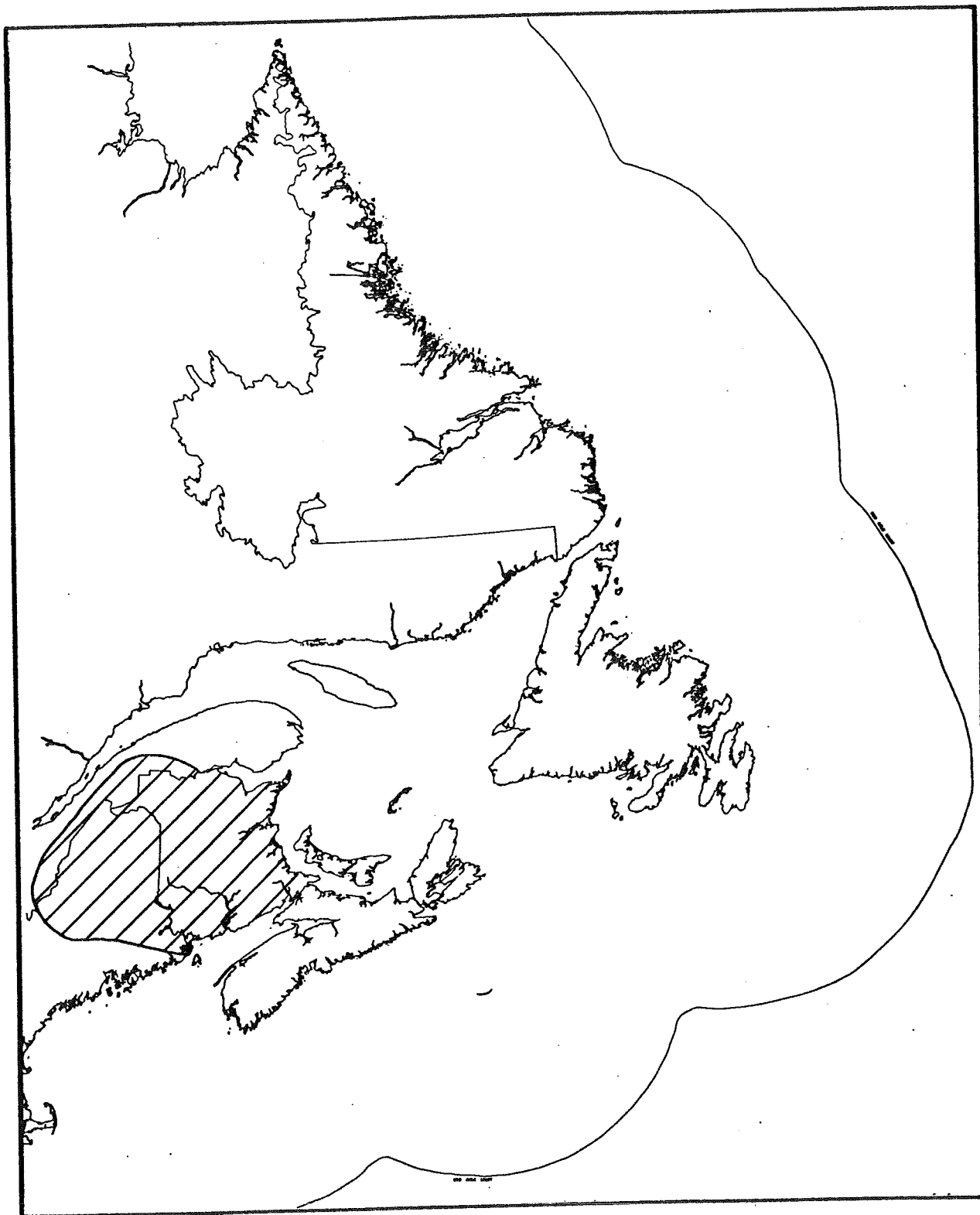


17. Signature: Verified

Date: July 10, 1992

1. **Database Title: Snow Survey Database**
2. **Contact Person:**
Jim DeVenney
New Brunswick Department of the Environment
PO Box 6000
Argyle Place
Fredericton, New Brunswick E3B 5H1
Tel (506) 453-2353
3. **Purpose:**
To aid in flood forecasting and water management
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
New Brunswick and the Saint John River Basin
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1954 to present
Updated 6 times a year
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Depth and water equivalent of snow cover
10. **Sampling Procedures:**
Core samples from snow
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 70 sites
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer: IBM compatible PC
Operating system: MS DOS
Software: Fortran
15. **Comments:**
End analysis of raw data available on hard-copy.
Long-term average data available.

16. Map Indicating areas of data holdings:

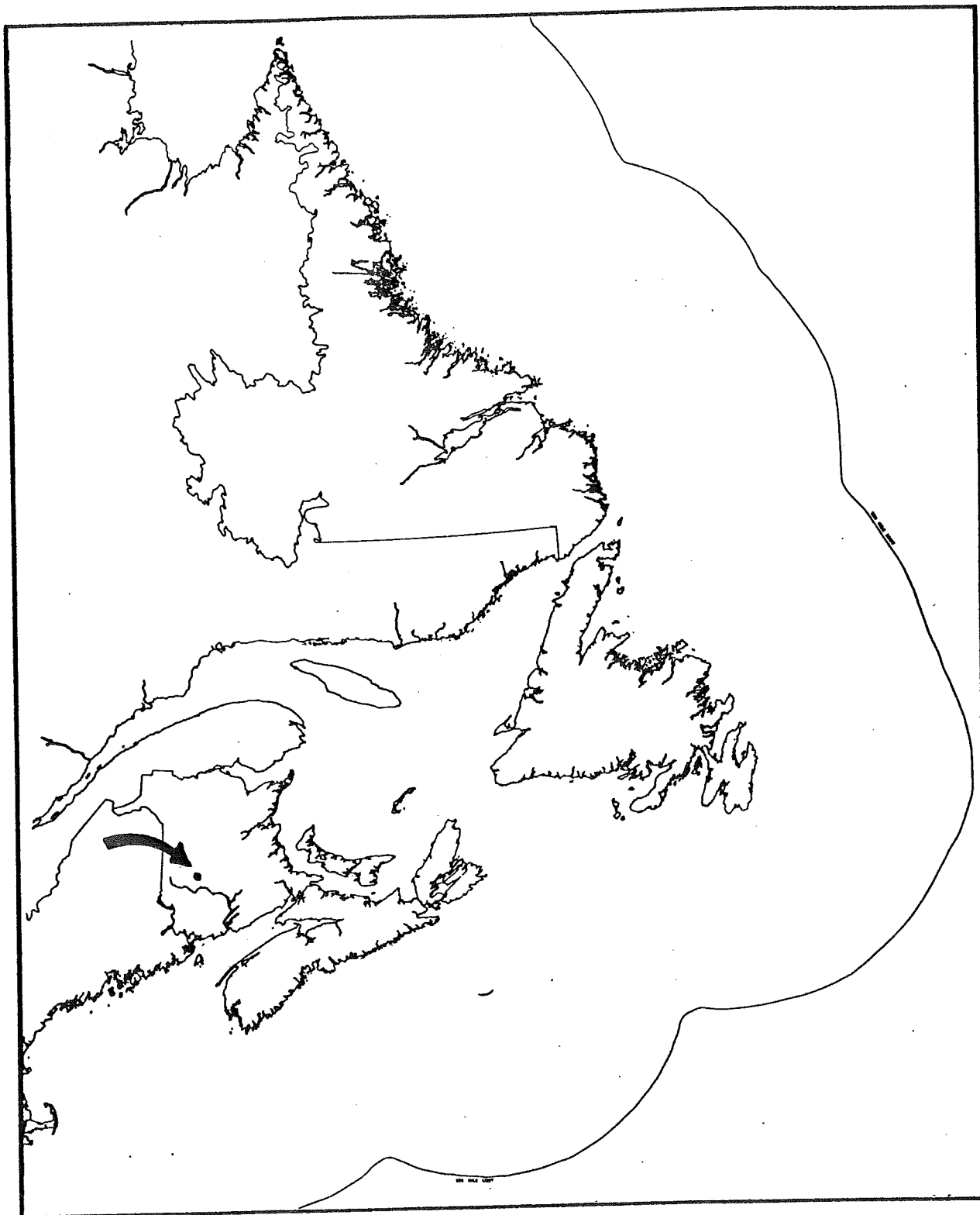


17. Signature: Verified

Date: June 29, 1992

1. **Database Title: Water Quality**
2. **Contact Person:**
Jane Tims
Manager, Water Classification Program
Environmental Planning and Sciences Branch
New Brunswick Department of the Environment
PO Box 6000, 364 Argyle Street
Fredericton, New Brunswick E3B 5H1
Tel (506) 457-4846; Fax (506) 457-7823
3. **Purpose:**
To document chemical and environmental water quality
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None for quality assured data
5. **Geographical Coverage/Scale:**
Keswick River Basin
6. **Geographical Referencing:**
UTM
7. **Period of Record/Update Frequency:**
June 1991 to present; updated monthly
8. **Format:**
Digital: Floppy disk
Hard-copy
Report
9. **Data Types/Parameters Measured:**
Fecal indicators, chemical, nutrients, temperature, dissolved oxygen, major ions
Specific data elements available upon request.
10. **Sampling Procedures:**
On-site: Dissolved oxygen and temperature
Laboratory: Other
11. **Program Type:**
Baseline water quality and watershed characterization
12. **Size/Growth:**
Significant size; data added monthly
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: dBASE III
15. **Comments:**

16. Map Indicating areas of data holdings:

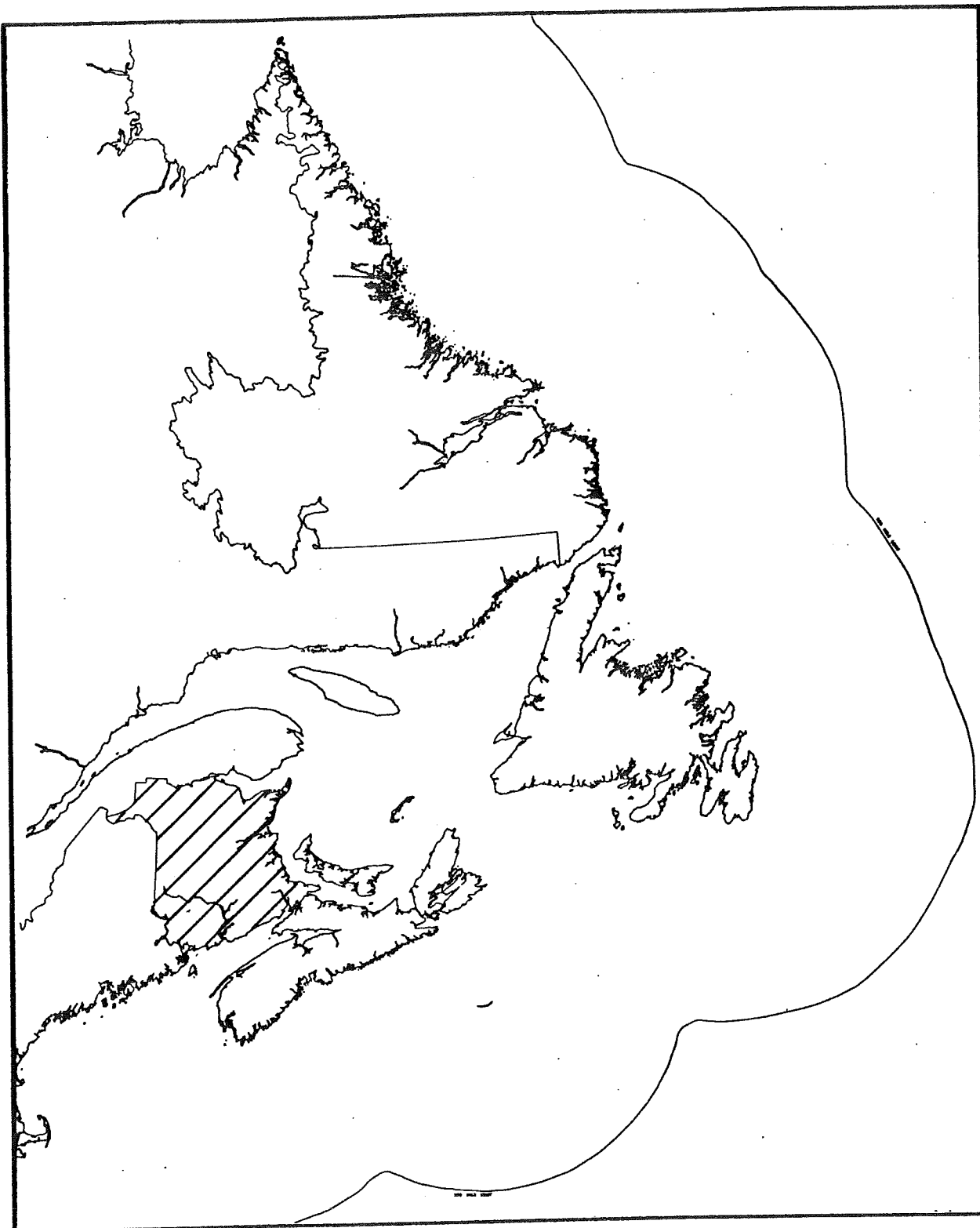


17. Signature: Verified

Date: June 29, 1992

1. **Database Title: Water Quality Database**
2. **Contact Person:**
Jane Tims
Manager, Water Classification Program
Environmental Planning and Sciences Branch
New Brunswick Department of the Environment
PO Box 6000
Argyle Place
Fredericton, New Brunswick E3B 5H1
Tel (506) 457-4846; Fax (506) 457-7823
3. **Purpose:**
To monitor baseline trends and determine assimilative capacity
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fee: Variable, depending on size of the request
Restrictions: None
5. **Geographical Coverage/Scale:**
New Brunswick - freshwater areas
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1973 to present
Updated continuously
8. **Format:**
Digital: NAQUADAT format on the University of New Brunswick mainframe computer; recent data being stored on dBASE III
9. **Data Types/Parameters Measured:**
Physical
Chemical: Standard water quality parameters including metals, major ions, organic contaminants, nutrients
10. **Sampling Procedures:**
Standard field procedures - those used by the Inland Waters Directorate of Environment Canada
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software: dBASE III
15. **Comments:**

16. Map Indicating areas of data holdings:

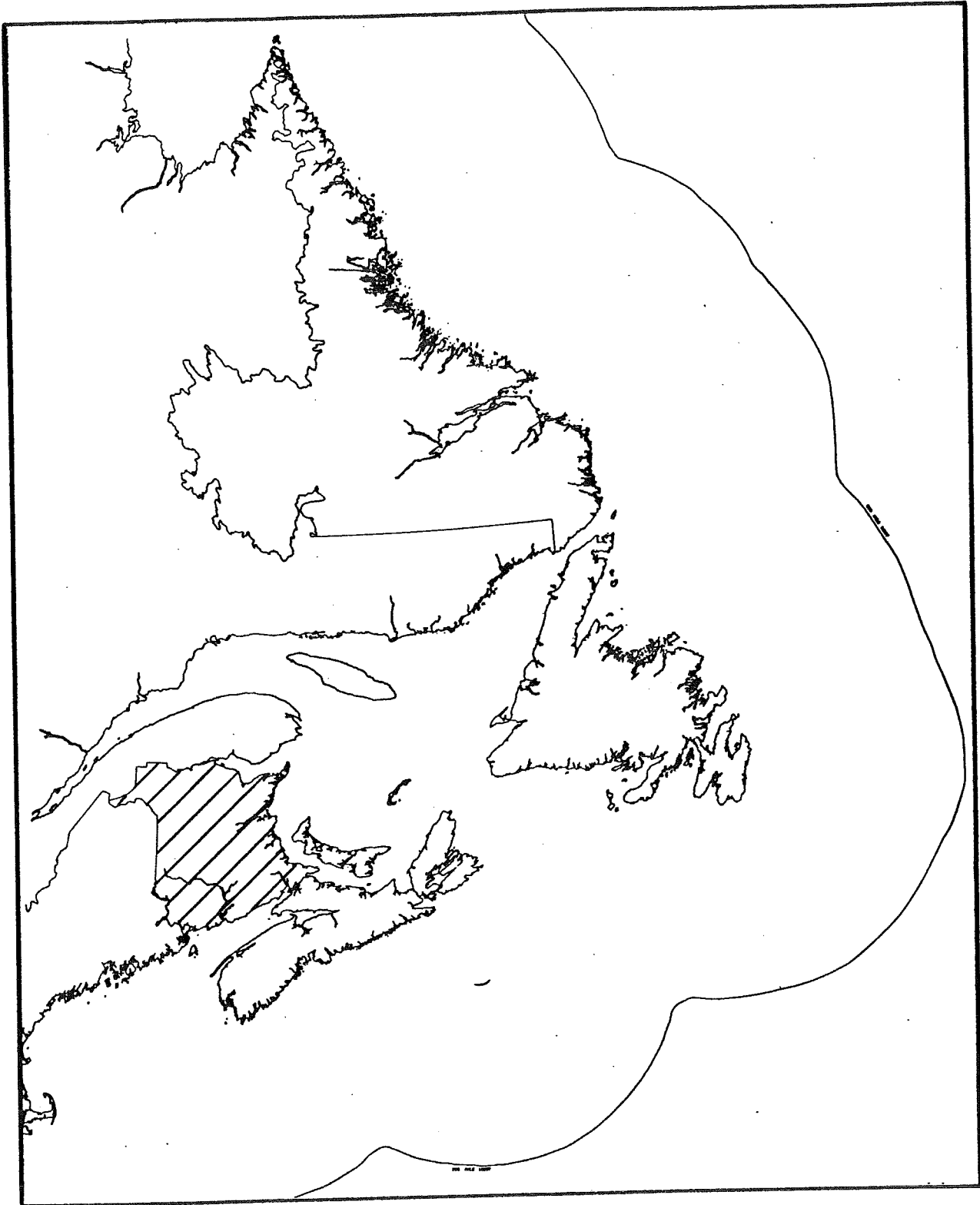


17. Signature: Not signed

Date:

1. **Database Title: Well Driller Reports**
2. **Contact Person:**
Mark Miller
Operations Branch
Water and Wastewater Section
New Brunswick Department of the Environment
PO Box 6000, Argyle Place
Fredericton, New Brunswick E3B 5H1
Tel (506) 457-4848; Fax (506) 457-7805
3. **Purpose:**
To maintain a register of drilled wells (domestic and municipal) in New Brunswick
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
New Brunswick
6. **Geographical Referencing:**
Latitude/Longitude and UTM
7. **Period of Record/Update Frequency:**
1976 to present; updated continuously
8. **Format:**
Digital; Hard-copy; Microfiche; Maps
9. **Data Types/Parameters Measured:**
Physical: Well location, yield, depth, well log
10. **Sampling Procedures:**
Data obtained from well drillers reports and internal files.
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 2000 new wells per year
13. **Environmental Legislation relevant to this data:**
Regulation 90-79 - Water Well Regulation - Clean Water Act
Chapter C-6.1, Clean Water Act
Regulation 82-126 - Water Quality Regulation - Clean Environment Act
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: dBASE IV, FOXPRO, Infocus, Quickmap
15. **Comments:**

16. Map Indicating areas of data holdings:

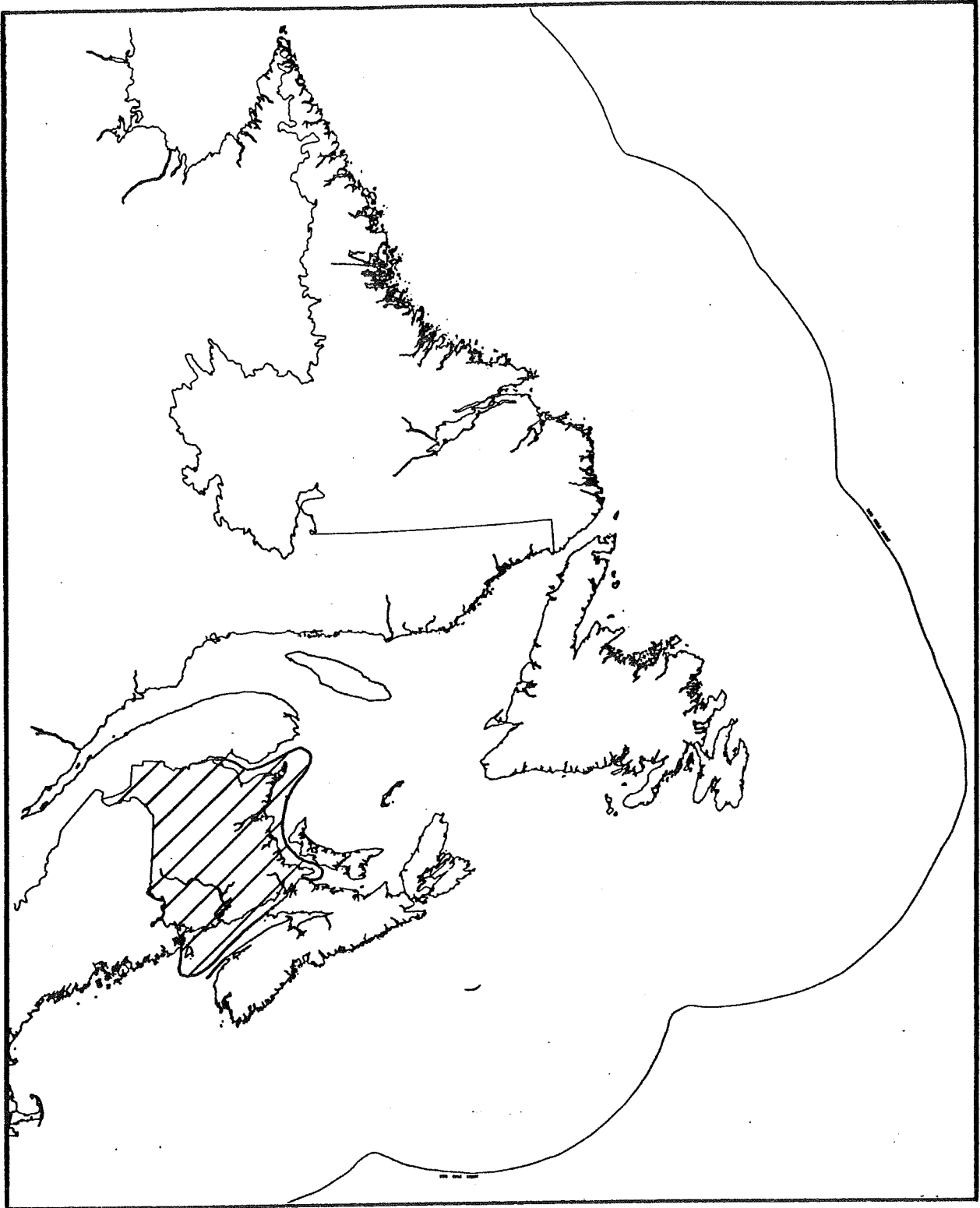


17. Signature: Verified

Date: July 13, 1992

1. **Database Title: NB Maps**
2. **Contact Person:**
Barry Jones
New Brunswick Department of Fisheries and Aquaculture
PO Box 6000
Fredericton, New Brunswick E3B 5H1
Tel (506) 453-2047; Fax (506) 453-5210
3. **Purpose:**
To locate sites of hatcheries, Bay of Fundy weirs, and Bay of Fundy marine aquaculture cages in New Brunswick; also coastal planning relative to sustainable fisheries and aquaculture.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: No charge
Restrictions: Some data may be restricted
5. **Geographical Coverage/Scale:**
New Brunswick
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1989 to present
Updated annually
8. **Format:**
9. **Data Types/Parameters Measured:**
Physical: Site locations
10. **Sampling Procedures:**
Information gathered from permit applications, and Fisheries and Oceans Canada information
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

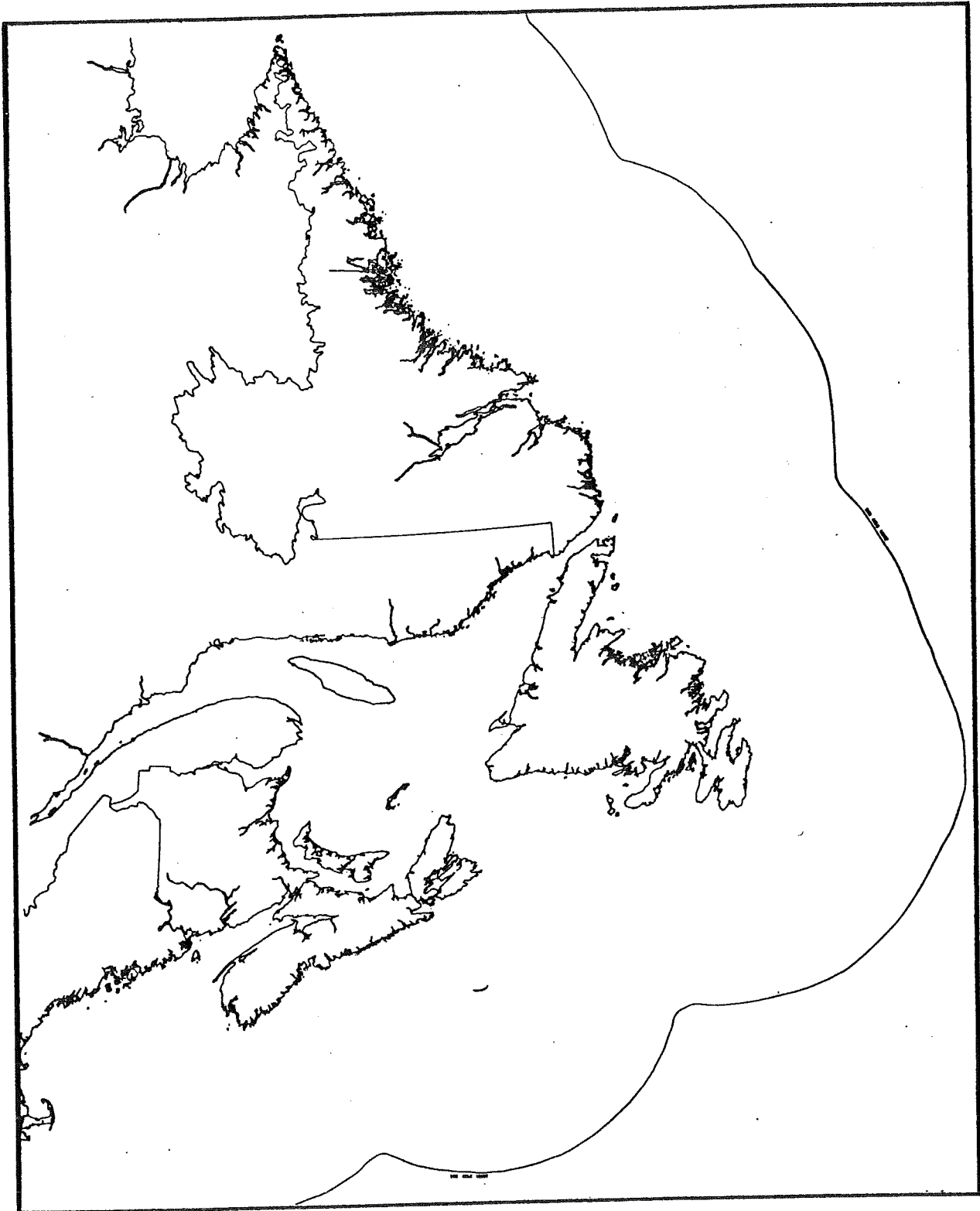


17. Signature: Verified

Date: July 28, 1992

1. **Database Title: Natural History - New Brunswick**
2. **Contact Person:**
Donald McAlpine
New Brunswick Museum
New Brunswick Department of
Municipalities, Culture and Housing
277 Douglas Avenue
Saint John, New Brunswick E2K 1E5
Tel (506) 658-1842
3. **Purpose:**
To maintain an inventory of the natural history of New Brunswick and other areas for scientific research and education
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
New Brunswick, with some information from the remainder of eastern Canada and the northeastern United States
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1860 to present
Updated continuously
8. **Format:**
Digital
Hard-copy
Other: e.g., specimens
9. **Data Types/Parameters Measured:**
Physical: Geomorphological and geological data
Chemical: Concentrations of mercury and other contaminants in birds
Biological: Geographical variation in the distribution of plants, animals, birds and invertebrates, reproductive data, feeding patterns
10. **Sampling Procedures:**
Variable over time
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: CHIN (Ottawa)
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

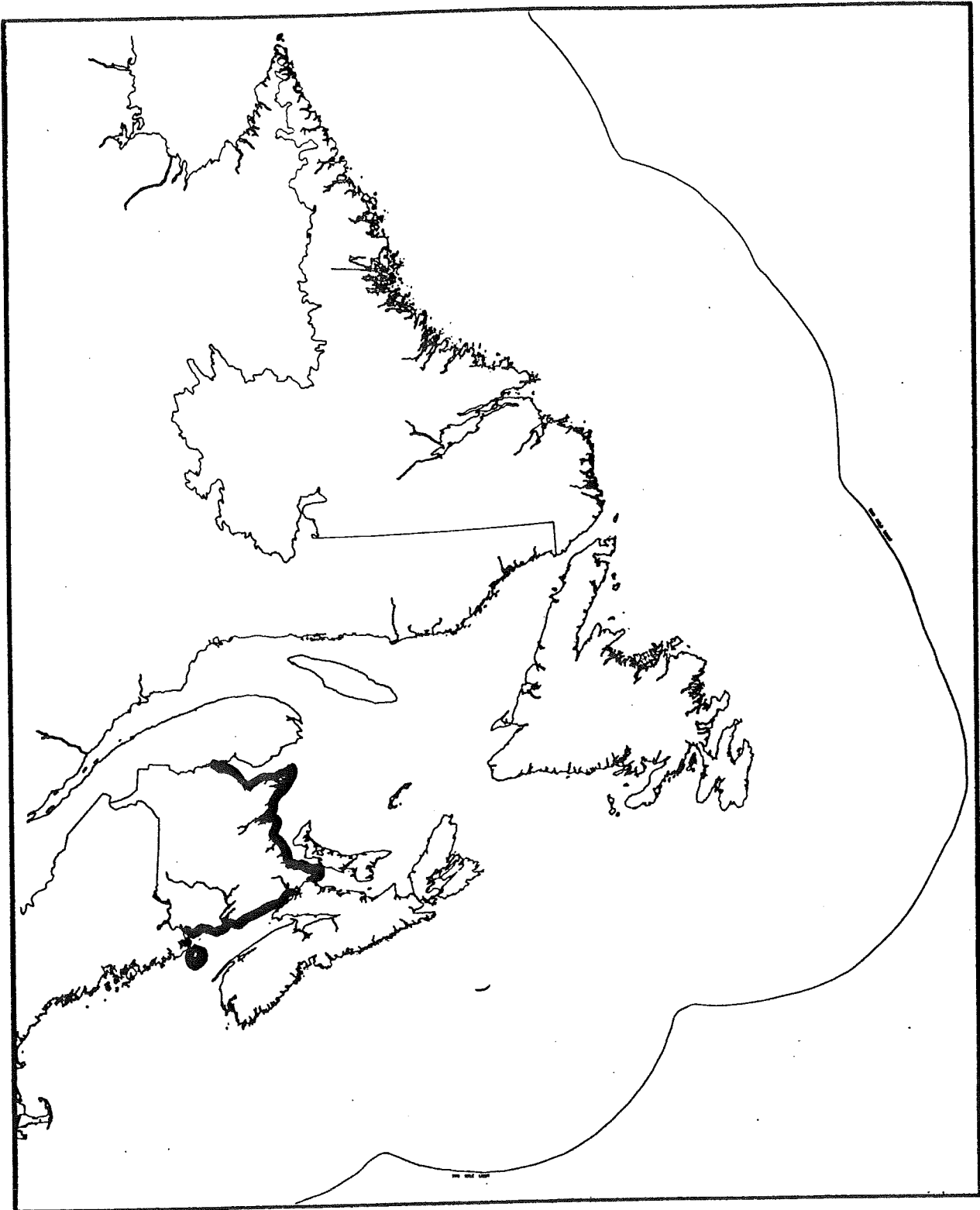


17. Signature: Unverified

Date:

1. **Database Title: Coastal Geomorphology and Geology**
2. **Contact Person:**
Jacques Thibault
Coastal Geologist
Mineral Resources Division
New Brunswick Department of Natural Resources and Energy
PO Box 6000
Fredericton, New Brunswick E3B 5H1
3. **Purpose:**
To provide terrain information for coastal zone management
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Nominal fee for reproduction
Restrictions:
5. **Geographical Coverage/Scale:**
Complete Province of New Brunswick shoreline
6. **Geographical Referencing:**
Latitude/Longitude
UTM
7. **Period of Record/Update Frequency:**
Updated every 5-10 years
8. **Format:**
Hard-copy, slides and photographs (ground and aerial)
Scales - 1:1000, 1:10 000, 1:20 000, and 1:100 000
9. **Data Types/Parameters Measured:**
Bedrock geology, physical, sediment, slope, soils, shore protection works
10. **Sampling Procedures:**
Field work
11. **Program Type:**
Mapping
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software: CARIS, INGRES
15. **Comments:**
Eventually will be digital (CARIS) 1:10 000

16. Map indicating areas of data holdings:

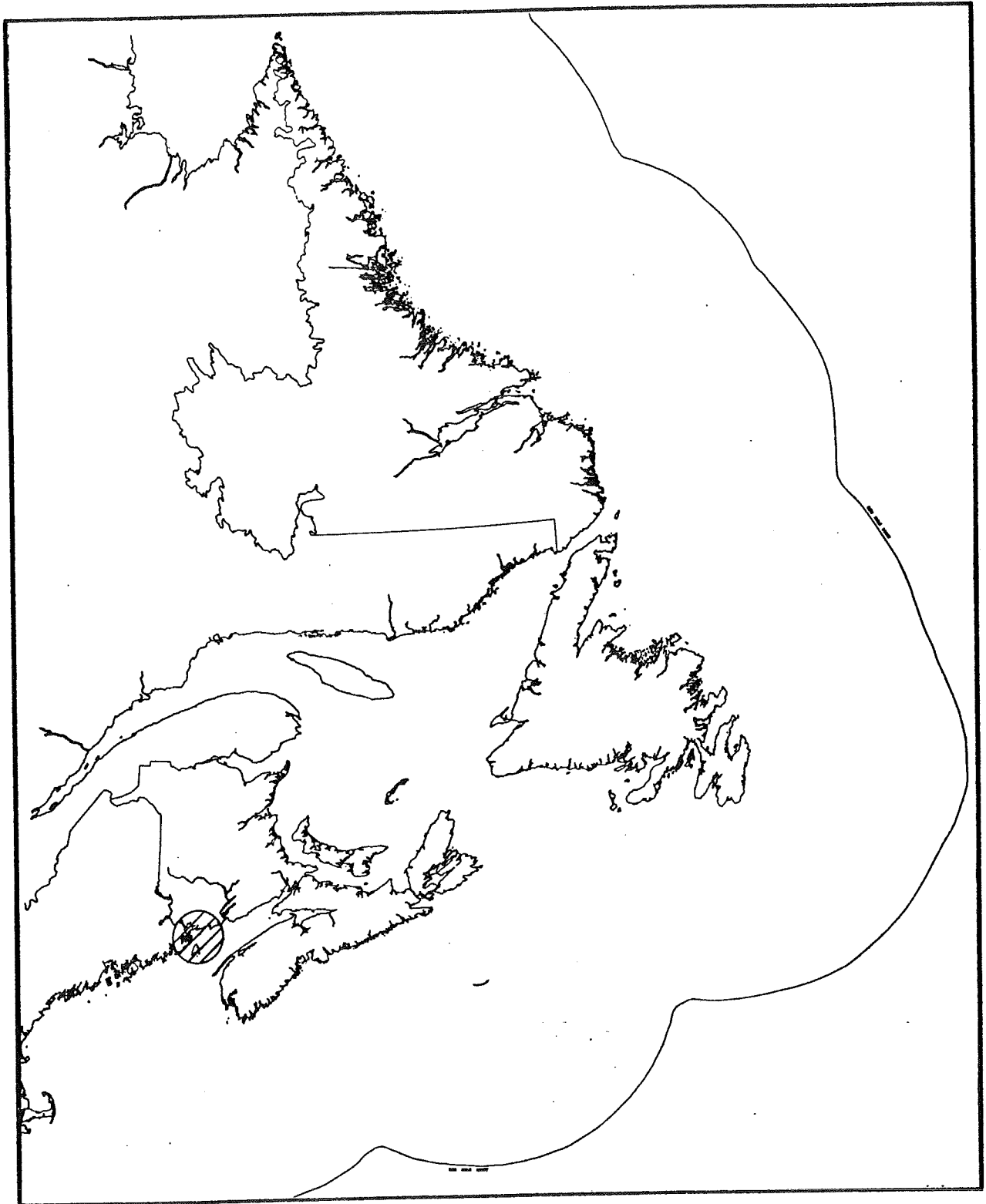


17. Signature: Verified

Date: June 29, 1992

1. **Database Title: Coastal Resources Mapping (Passamaquoddy Bay Area)**
2. **Contact Person:**
Neville Nandiall
Crown Lands
New Brunswick Department of Natural Resources and Energy
Forestry Complex
PO Box 6000
Fredericton, New Brunswick E3B 5H1
Tel (506) 453-2306; Fax (506) 457-4802
3. **Purpose:**
To facilitate the leasing of public marine lands
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: May be a small fee; Restrictions: None
5. **Geographical Coverage/Scale:**
New Brunswick - coastal and nearshore zones
6. **Geographical Referencing:**
ATS77 and NAD27
7. **Period of Record/Update Frequency:**
Project ongoing; updated sporadically
8. **Format:**
Digital and Hard-copy: Maps and plans
9. **Data Types/Parameters Measured:**
Physical: Coastline; Biological: Aquaculture sites
10. **Sampling Procedures:**
Compilation of existing data and site surveys
11. **Program Type:**
Research and survey
12. **Size/Growth:**
Approximately 100 records; annual growth varies
13. **Environmental Legislation relevant to this data:**
Crown Lands and Forests Act and Aquaculture Act
14. **Computer System:**
Host computer:
Operating system:
Software: GEOBASE; INGRES
15. **Comments:**
The project is divided into 3 phases covering public lands from the coast to the following outer limits: 1) nearshore; 2) 3 mile territorial limit; 3) 12 mile territorial limit. Phase 1 will include a total of 75 computerized maps at a scale of 1:20,000. The other 2 phases will only be completed several years down the road. The database will be used in the review of proposals for aquaculture leases, coastal industries, wharves, power corridors and infilling projects. Traditional fisheries, geology, geomorphology and coastal land use will be added to the database.

16. Map Indicating areas of data holdings:

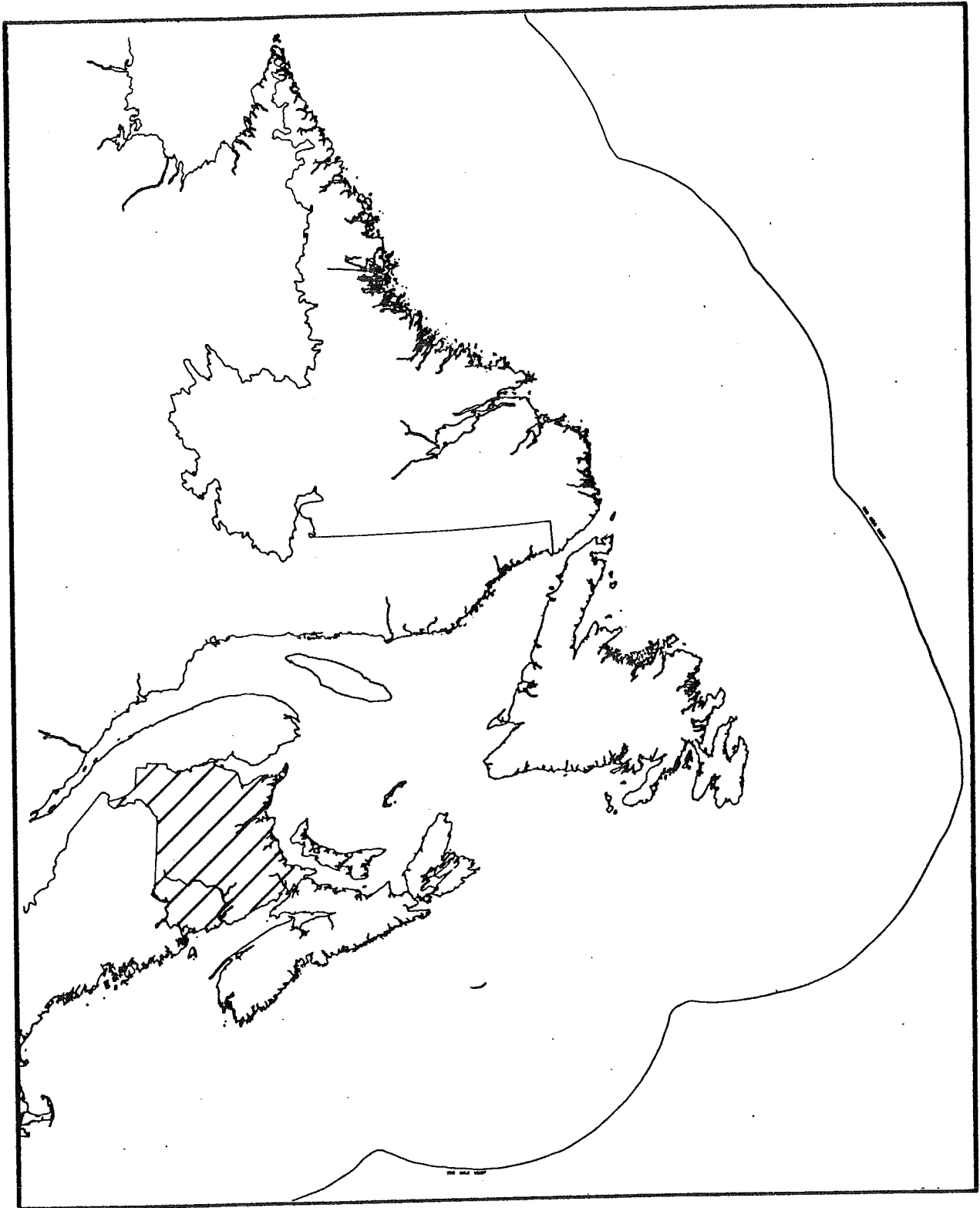


17. Signature: Verified

Date: July 29, 1992

1. **Database Title: New Brunswick Forest Inventory**
2. **Contact Person:**
Peter Andrews or Bob Dick
New Brunswick Department of Natural Resources and Energy
PO Box 6000
Fredericton, New Brunswick E3B 5H1
Tel (506) 453-2516
3. **Purpose:**
To assist in developing forest management plans
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: May be cost recovery
Restrictions: Some data may be restricted
5. **Geographical Coverage/Scale:**
New Brunswick
6. **Geographical Referencing:**
ATS77
NB Double Stereographic Grid
7. **Period of Record/Update Frequency:**
1981 to present
Updated annually as required
8. **Format:**
Digital
Hard-copy
Maps
Photos
9. **Data Types/Parameters Measured:**
Biological: Species, age class
10. **Sampling Procedures:**
Air photo interpretation and ground surveys
11. **Program Type:**
Monitoring
12. **Size/Growth:**
1800 maps, average of 500 polygons per map
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Sunsparc
Operating system: SUNOS-UNIX
Software: ARC/INFO
15. **Comments:**

16. Map Indicating areas of data holdings:

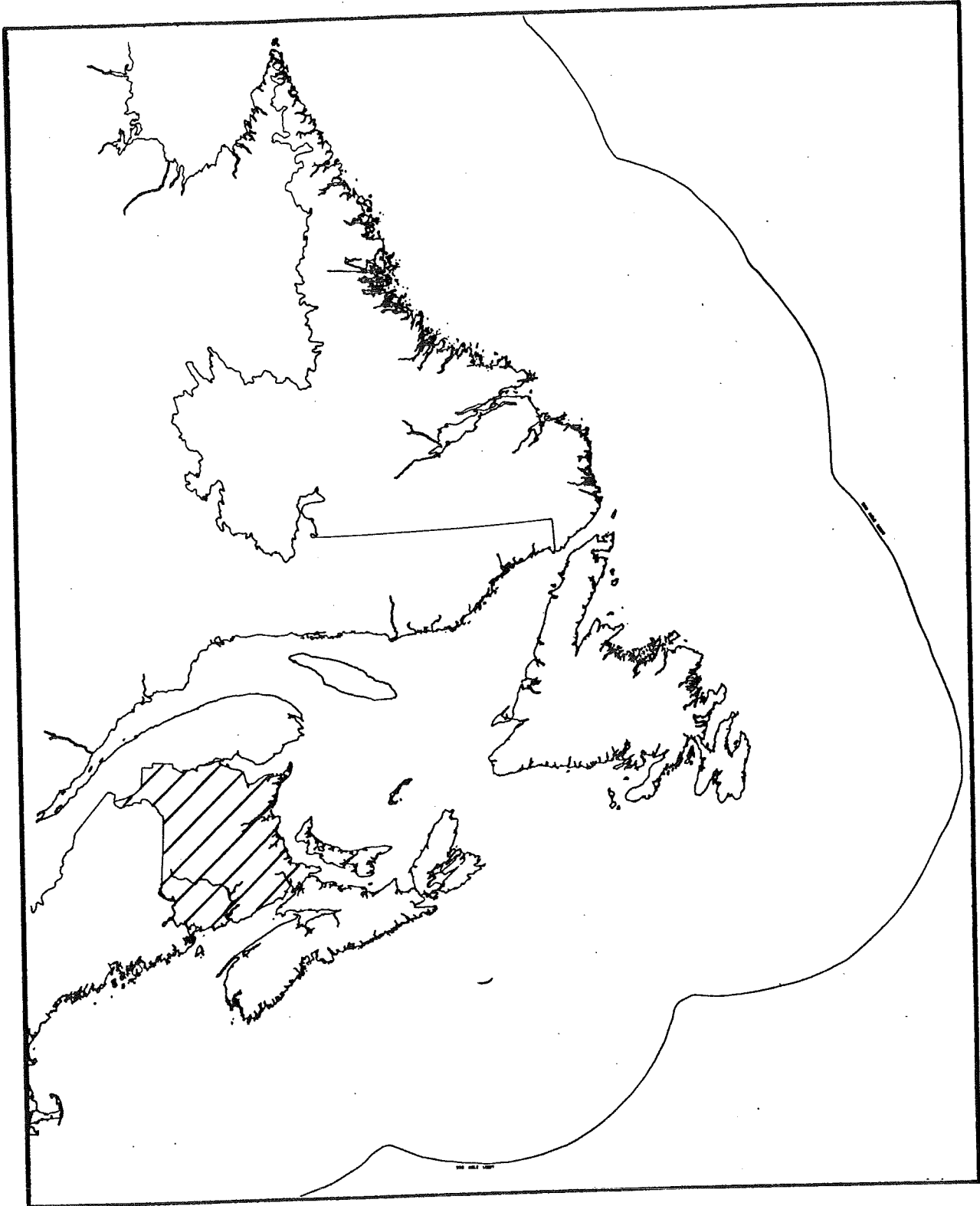


17. Signature: Verified

Date: August 3, 1992

1. **Database Title: Land Ownership**
2. **Contact Person:**
New Brunswick Geographic Information Corporation Property and Mapping Managers:
Bathurst: Joe Cormier Tel (506) 547-2734
Edmundston: Leo-Guy LeBlanc Tel (506) 735-2548
Fredericton: Ron Richard Tel (506) 453-3390
Moncton: Plen Dickson Tel (506) 856-2322
Saint John: George Schurman Tel (506) 658-2479
3. **Purpose:**
To provide a cadastral layer of New Brunswick, with attribute files and indices to registered instruments and assessment fee
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Price list available
Restrictions:
5. **Geographical Coverage/Scale:**
Complete coverage of New Brunswick
Scales 1:1000 to 1:10 000
6. **Geographical Referencing:**
By Property code; Datum: ATS77; NB Double Stereographic Projection
7. **Period of Record/Update Frequency:**
Updated daily
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Land parcels, land ownership, administration boundaries
10. **Sampling Procedures:**
Legal surveys, registered documents
11. **Program Type:**
Monitoring land ownership transactions, mapping
12. **Size/Growth:**
Approximately 6200 transactions recorded per year
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: DELL 486 (GIS), IBM 3090, 386
Operating system:
Software: CARIS, LORIS (Land Ownership Registry Index System)
15. **Comments:**

16. Map indicating areas of data holdings:

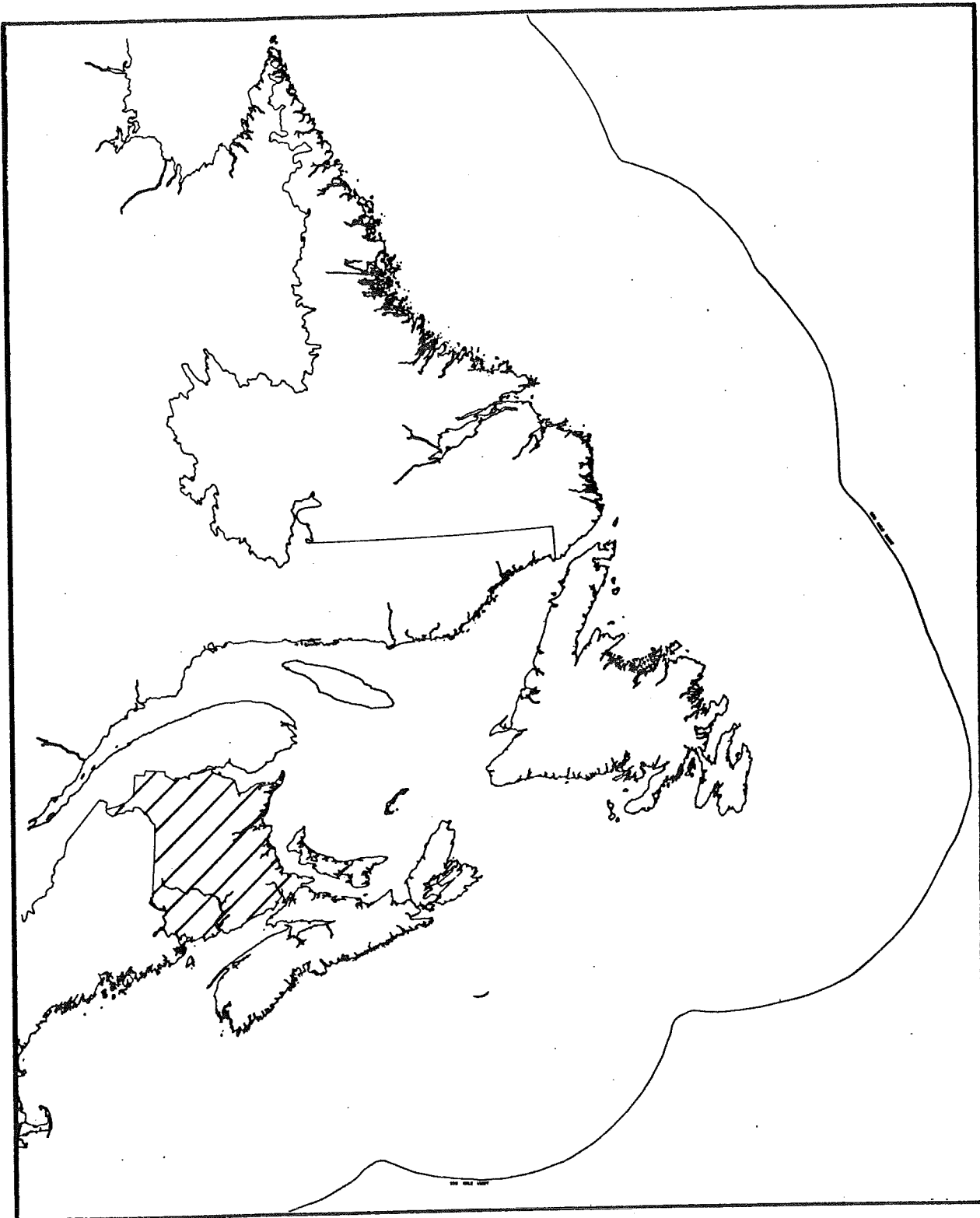


17. Signature: Not signed

Date:

1. **Database Title: NB Digital Topographic Database**
2. **Contact Person:**
Bernard Arseneau
New Brunswick Geographic Information Corporation
PO Box 6000
985 College Hill Road
Fredericton, New Brunswick E3B 5H1
Tel (506) 453-3998
3. **Purpose:**
To provide a multi purpose base of the province of New Brunswick
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: \$100 per 1:10 000 window
Restrictions:
5. **Geographical Coverage/Scale:**
Province of New Brunswick (partial coverage - index available upon request)
Scale 1:10 000
6. **Geographical Referencing:**
NB Provincial Coordinate System, Double Stereographic Projection
7. **Period of Record/Update Frequency:**
Annual updating anticipated
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Topography, cultural, DTMs
10. **Sampling Procedures:**
Blanket coverage with aerial photos
11. **Program Type:**
Mapping
12. **Size/Growth:**
2,000 Files for province - complete coverage available May 31, 1994
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer:
Operating system:
Software: NTX CARIS
15. **Comments:**

16. Map indicating areas of data holdings:

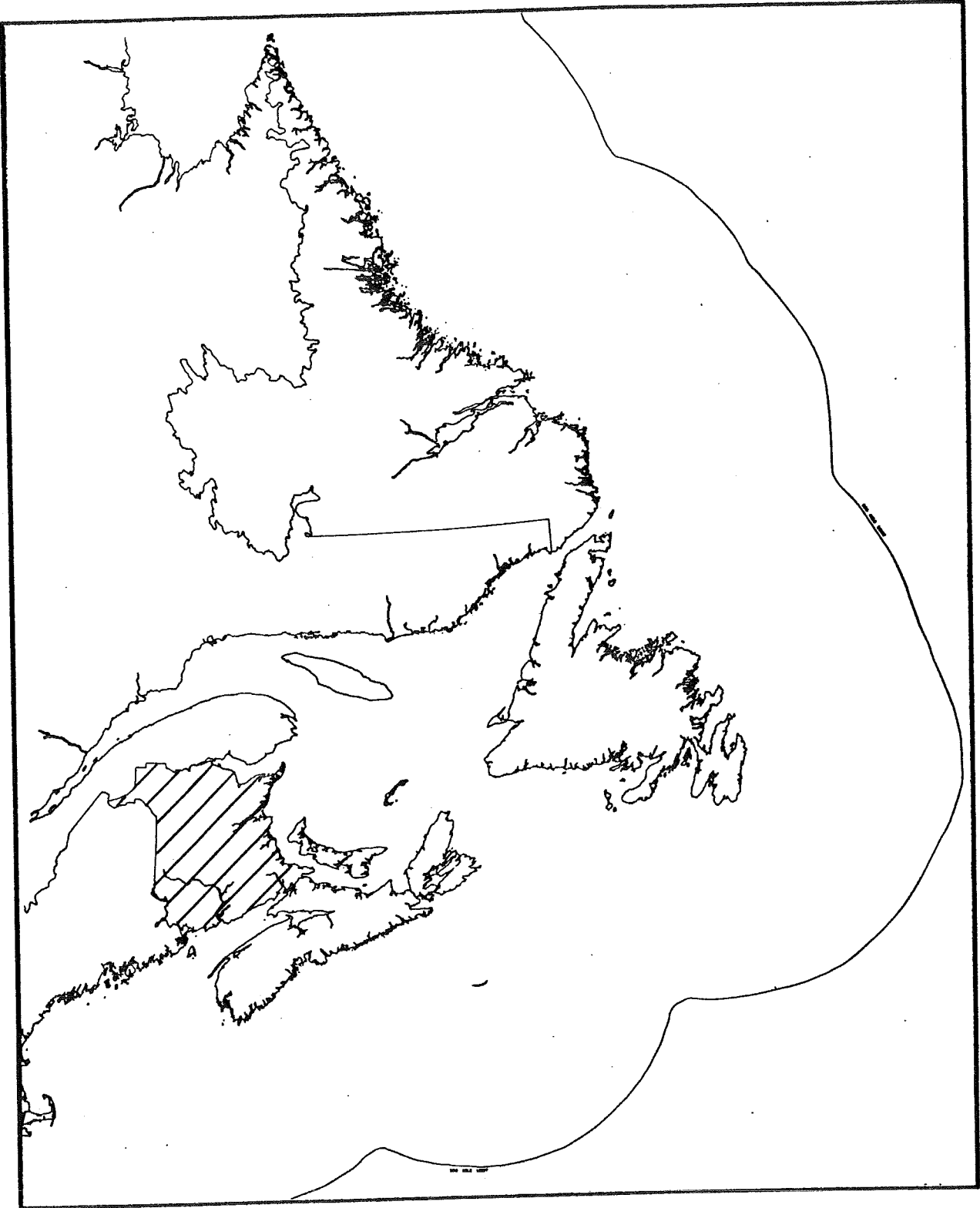


17. Signature: Not signed

Date:

1. **Database Title: New Brunswick Geodesy System**
2. **Contact Person:**
Cyril Carlin
New Brunswick Geographic Information Corporation
985 College Hill Road
PO Box 6000
Fredericton, New Brunswick E3B 5H1
Tel (506) 457-7809; Fax (506) 453-3898
3. **Purpose:**
To provide X and Y coordinates for specially marked points on the earth's surface
4. **Access/Fees/Restrictions:**
Access: Under review
Fees:
Restrictions:
5. **Geographical Coverage/Scale:**
Land area of New Brunswick
6. **Geographical Referencing:**
Average Terrestrial System Geocentric Datum 1977
7. **Period of Record/Update Frequency:**
1979 to present
Updated every year
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Geographic predictions, descriptions, connections
10. **Sampling Procedures:**
On-site surveys
11. **Program Type:**
Maintenance and extension surveys
12. **Size/Growth:**
25,000 records
0.4% growth per year
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: DEC VAX
Operating system: VMS
Software: In-house
15. **Comments:**
This Database will be reviewed over the next six months to develop a strategy for the next five to ten years.

16. Map Indicating areas of data holdings:



17. Signature: Verified

Date: August 14, 1992

1. **Database Title: Property Taxation and Assessment System**

2. **Contact Person:**
 New Brunswick Geographic Information Corporation Property and Mapping Managers:

Bathurst:	Joe Cormier	Tel (506) 547-2734
Edmundston:	Leo-Guy LeBlanc	Tel (506) 735-2548
Fredericton:	Ron Richard	Tel (506) 453-3390
Moncton:	Plen Dickson	Tel (506) 856-2322
Saint John:	George Schurman	Tel (506) 658-2479

3. **Purpose:**
 To collect information on land use and value for purpose of taxation, and to levy and account for provincial and municipal taxes.

4. **Access/Fees/Restrictions:**
 Access: Through contact person
 Fees: Non-confidential data available for a fee
 Restrictions: On-line access restricted

5. **Geographical Coverage/Scale:**
 Province of New Brunswick

6. **Geographical Referencing:**
 Assessment number, civic address, property identifier, municipality

7. **Period of Record/Update Frequency:**
 Updated on-line daily

8. **Format:**
 Digital
 Hard-copy

9. **Data Types/Parameters Measured:**
 Land use, value, ownership, building descriptions, registry transactions, Taxation information, Account balances (500 plus data elements)

10. **Sampling Procedures:**
 Field surveys, Registry of Deeds

11. **Program Type:**
 Monitoring-assessment

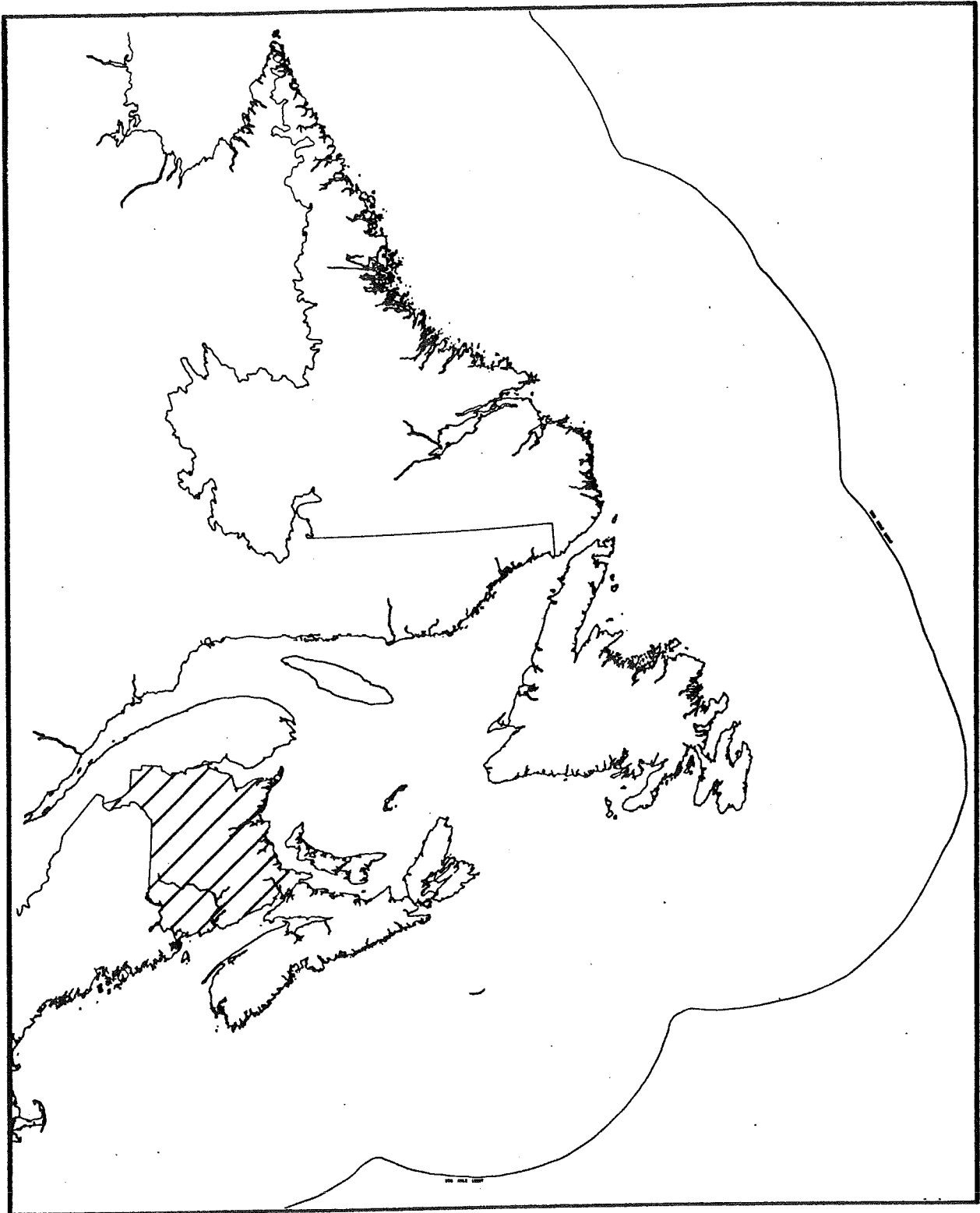
12. **Size/Growth:**
 1.6 Gigabyte of information
 380,000 Property accounts

13. **Environmental Legislation relevant to this data:**

14. **Computer System:**
 Host computer:
 Operating system:
 Software: UNISYS 2200/9111, DMS1100

15. **Comments:**

16. Map Indicating areas of data holdings:



17. Signature: Not signed

Date:

**ATLANTIC
COASTAL ZONE
DATABASE DIRECTORY**

***Province of
Newfoundland***

**Version 1.0
October 1992**



The Atlantic Coastal Zone Database Directory is published by the Atlantic Coastal Zone Information Steering Committee (ACZISC). This portion of the Directory comprises the Province of Newfoundland's component of the Directory and represents the most up-to-date inventory of the Province's databases relevant to the Atlantic coastal zone. It is derived from a directory of geographic systems and datasets which the Province has recently produced. The information will be updated and expanded on a regular basis and provided through the ACZISC to those expressing an interest in our databases.

For more detailed information on specific databases of the Province of Newfoundland, please feel free to communicate with the contact persons identified on the inventory sheets. For general information on Newfoundland's database inventory and the Province's role on the ACZISC, please contact:

Neil MacNaughton
Director
Surveys and Mapping
Newfoundland Department of Environment and Lands
Howley Building, Higgins Line
PO Box 8700
St. John's, Newfoundland
Canada A1B 4J6

Tel (709) 729-3239
Fax (709) 729-0690

ATLANTIC COASTAL ZONE DATABASE DIRECTORY

PROVINCE OF NEWFOUNDLAND

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ATLANTIC COASTAL ZONE DATABASE DIRECTORY

PROVINCE OF NEWFOUNDLAND

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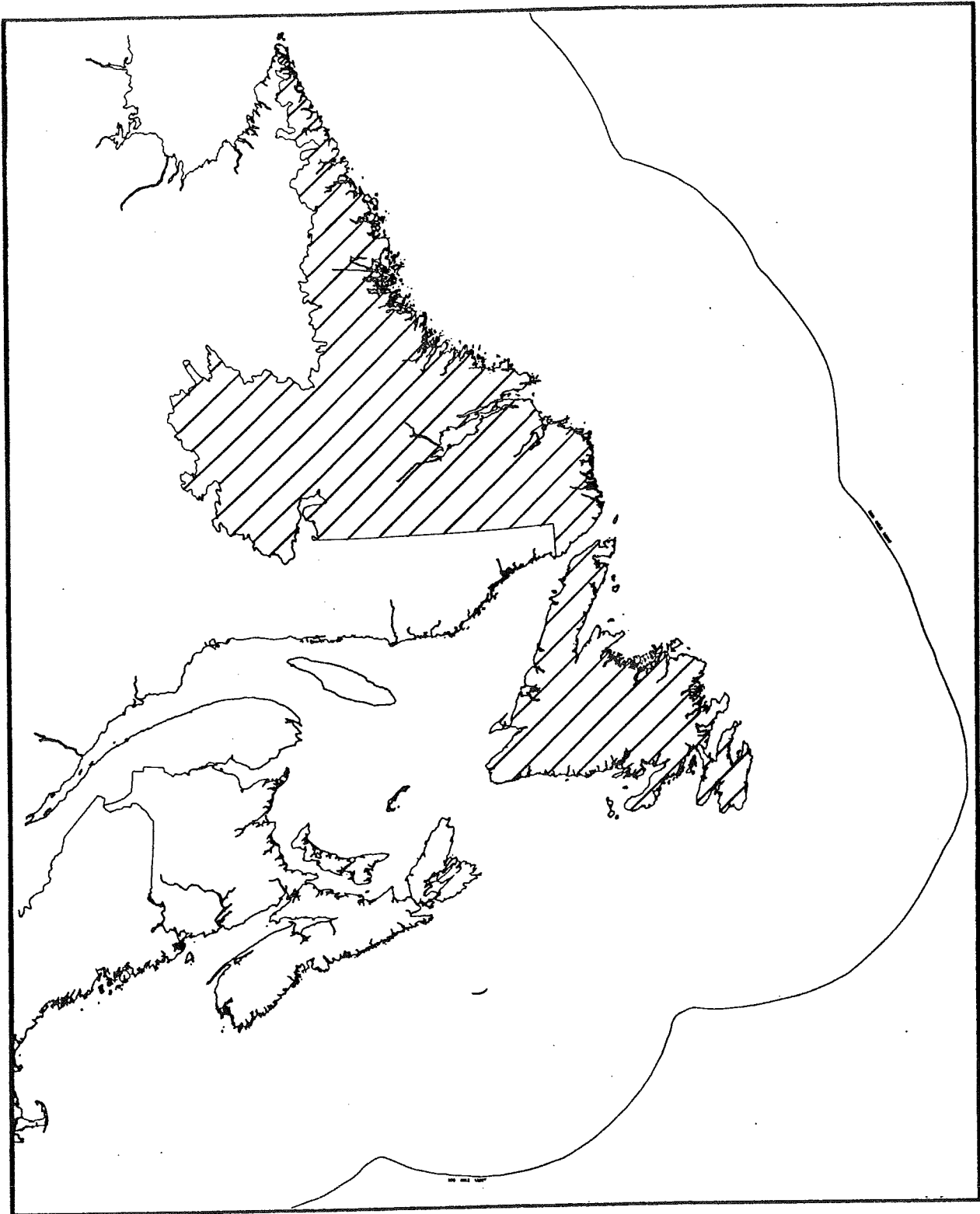
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1. **Database Title: Control Survey Marker Coordinates**
2. **Contact Person:**
Neil MacNaughton
Director, Surveys and Mapping
Newfoundland Department of Environment and Lands
Howley Building, PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-3239; Fax (709) 729-0690
3. **Purpose:**
A network of 6000 permanent survey markers having horizontal and vertical coordinates used to reference legal surveys, engineering surveys and topographic maps.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland and Labrador - 90% complete
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; NAD27; NAD83; 3 degree Transverse Mercator
7. **Period of Record/Update Frequency:**
1963-1991; updated in 1992
8. **Format:**
Digital: ASCII on 9 Track tape and Floppy disk; Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Horizontal and vertical coordinates of markers
10. **Sampling Procedures:**
Survey measurements
11. **Program Type:**
Surveys and mapping
12. **Size/Growth:**
4 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX 4000-200
Operating system: VMS
Software:
15. **Comments:**
This listing of geographic positions is the primary reference system for all integrated GIS data that is tied to ground surveys, satellite surveys or referenced to integrated base maps.

16. Map Indicating areas of data holdings:

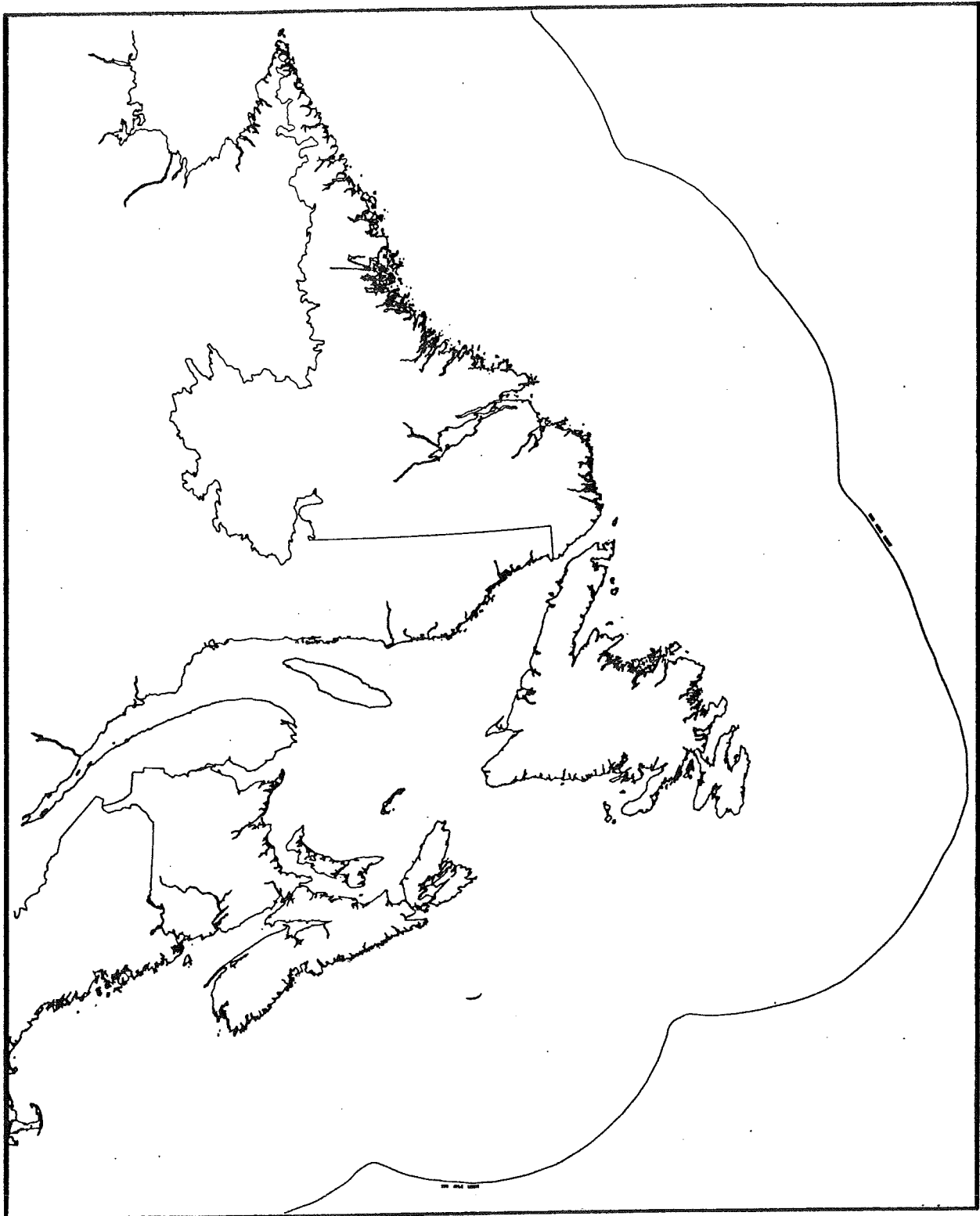


17. Signature: Not signed

Date: April 13, 1992

1. **Database Title: Moose and Caribou Hunter Kill Location (LOCSHOT)**
2. **Contact Person:**
Mike Strapp
Statistician, Wildlife Division
Newfoundland Department of Environment and Lands
Building 810
PO 8700
Pleasantville, Newfoundland A1B 4J6
Tel (709) 729-5657; Fax (709) 729-6629
3. **Purpose:**
List by year (1966-present) for each Management Unit of location hunters reported their kill for moose and caribou. Each block is 5 miles square and since 1986 the block was further subdivided into 4 smaller blocks.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland - 10% complete
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator
7. **Period of Record/Update Frequency:**
1966; updated in 1990
8. **Format:**
Digital: AutoCAD, DXF, DLG and SIF on Floppy disk; Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Kill locations for moose and caribou
10. **Sampling Procedures:**
Table digitized
11. **Program Type:**
Monitoring and mapping
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: TERRASOFT, dBASE
15. **Comments:**
At present (March 1992) map of Newfoundland has been digitized with overlay of blocks with their identifying numbers (UTM grid). Also hard-copies (tables) have been compiled for management areas and years. Yet to be completed: overlay information from dBASE created data set onto GIS for display of kill location data.

16. Map indicating areas of data holdings:

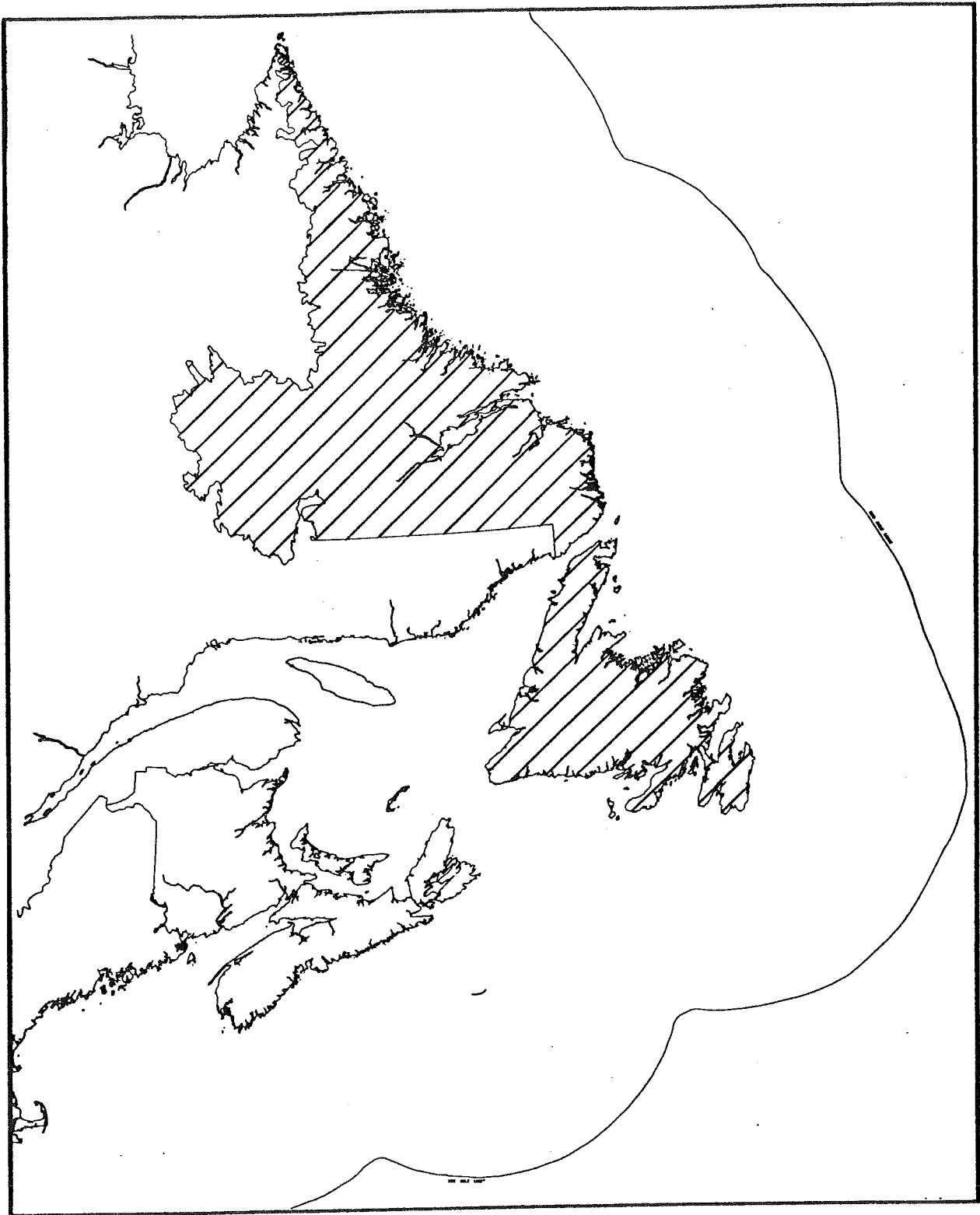


17. Signature: Not signed

Date: March 13, 1992

1. **Database Title: Newfoundland and Labrador Geographical Names**
2. **Contact Person:**
Neil MacNaughton
Director, Surveys and Mapping
Newfoundland Department of Environment and Lands
Howley Building, PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-3239; Fax (709) 729-0690
3. **Purpose:**
ASCII file of provincial toponyms extracted from the Federal data base. The primary purpose of this file is a quick look up reference on names for public inquiry and research by the Newfoundland and Labrador Geographical Names Board.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access is restricted.
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland and Labrador - 90% complete
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; NAD27
7. **Period of Record/Update Frequency:**
1951 to 1992
Updated in 1992
8. **Format:**
Digital: ASCII
9. **Data Types/Parameters Measured:**
Provincial toponyms
10. **Sampling Procedures:**
Table digitized and map scaling
11. **Program Type:**
Mapping
12. **Size/Growth:**
5 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX 4000-200
Operating system: VMS
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

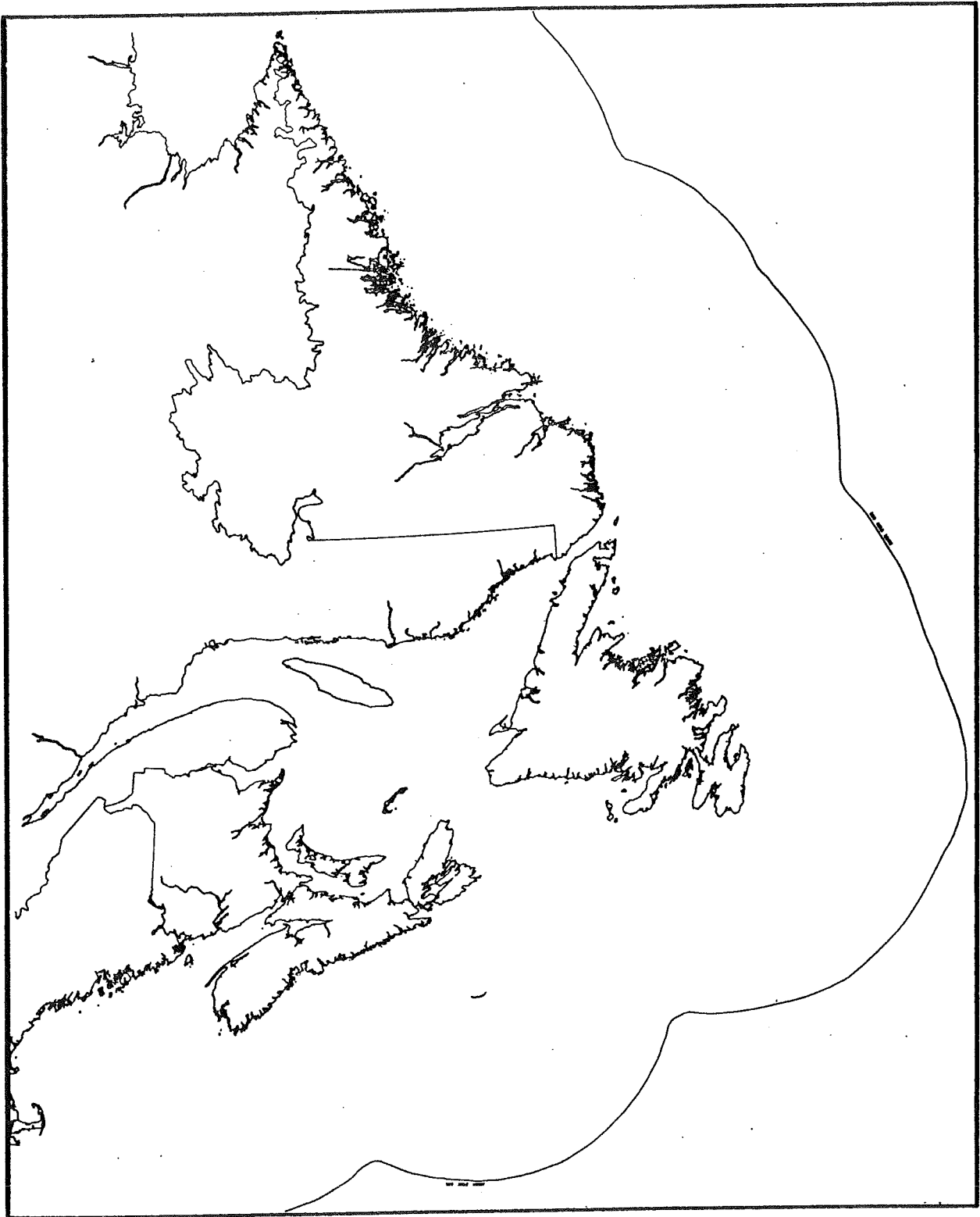


17. Signature: Not signed

Date: April 13, 1992

1. **Database Title: Newfoundland NTS Maps 1:50 000 Scale**
2. **Contact Person:**
Neil MacNaughton
Director, Surveys and Mapping
Newfoundland Department of Environment and Lands
Howley Building, PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-3239; Fax (709) 729-0690
3. **Purpose:**
The National Topographic System (NTS) of maps have been digitized and structured as base maps for use in GIS applications. The data sets are compiled in accordance with the National Topographic Data Base Standards and Specifications. 21 of the 172 data sets or maps covering the Island of Newfoundland are currently available.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western and Eastern Regions of Newfoundland - 10% complete
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; NAD83; 6 degree Universal Transverse Mercator
7. **Period of Record/Update Frequency:**
1970 to 1990; updated in 1990
8. **Format:**
Digital: AutoCAD, DLG, SIF, CCOGIF and NTX on 9 Track tape, Floppy disk and Cassette tape (3 drives); Hard-copy
9. **Data Types/Parameters Measured:**
10. **Sampling Procedures:**
Stereo plotter digitized and raster-vector conversion
11. **Program Type:**
Mapping
12. **Size/Growth:**
80 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: DEC Vax 4000-200 (VMS) and Sunsparc workstation IPX (UNIX)
Operating system: VMS
Software: CARIS
15. **Comments:**
The Department is currently developing a policy to govern the distribution of these data sets. An agreement regarding the use, copyright and liability of the data sets will be signed prior to distribution.

16. **Map Indicating areas of data holdings:**

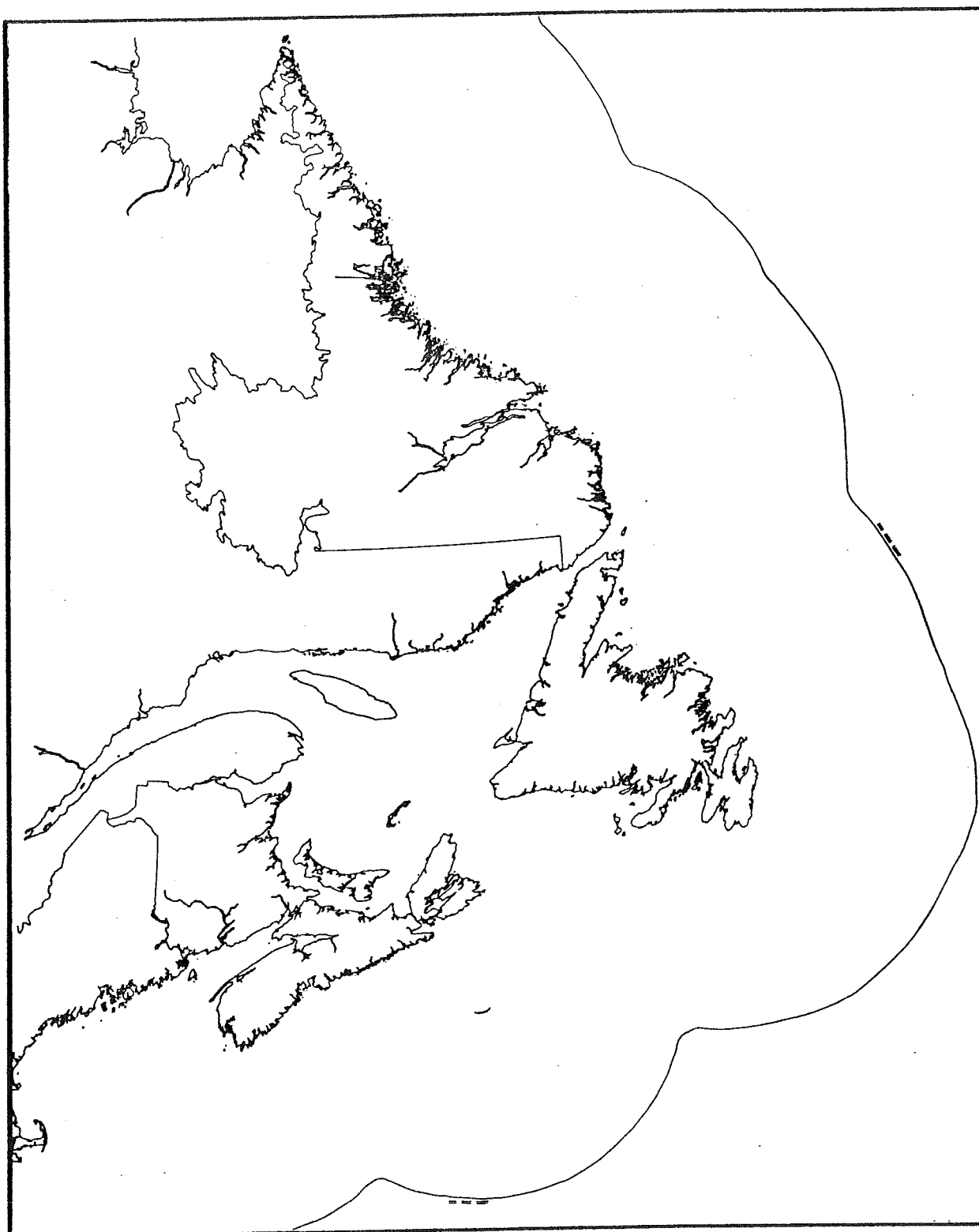


17. **Signature:** Not signed

Date: April 6, 1992

1. **Database Title: Newfoundland NTS Maps 1:250 000 Scale**
2. **Contact Person:**
Neil MacNaughton
Director, Surveys and Mapping
Newfoundland Department of Environment and Lands
Howley Building, PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-3239; Fax (709) 729-0690
3. **Purpose:**
The National Topographic System (NTS) of maps have been scanned, vectorized, cleaned, and structured as base maps for GIS applications. The data sets are compiled in accordance with the National Topographic Data Base Standards and Specifications. 8 of the 17 data sets or NTS maps at 1:250 000 scale covering the Island of Newfoundland are available.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Central and Eastern Regions of Newfoundland - 50% complete
Scale 1:250 000
6. **Geographical Referencing:**
Northing/Easting; NAD83; 6 degree Universal Transverse Mercator
7. **Period of Record/Update Frequency:**
1970 to 1990; updated in 1990
8. **Format:**
Digital: AutoCAD DXF, DLG, SIF, CCOGIF and NTX on 9 Track tape, Floppy disk and Cassette tape (3 Drives); Hard-copy
9. **Data Types/Parameters Measured:**
10. **Sampling Procedures:**
Raster-vector conversion
11. **Program Type:**
Mapping
12. **Size/Growth:**
64 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: DEC Vax 4000/200 VMS and Sunsparc workstation IPX (on EtherNet) UNIX
Operating system: VMS
Software: CARIS
15. **Comments:**
The Department is currently developing a policy to govern the distribution of these digital base map data sets. Agreements regarding the use, copyright, and liability of the data sets will be signed prior to distribution.

16. Map indicating areas of data holdings:

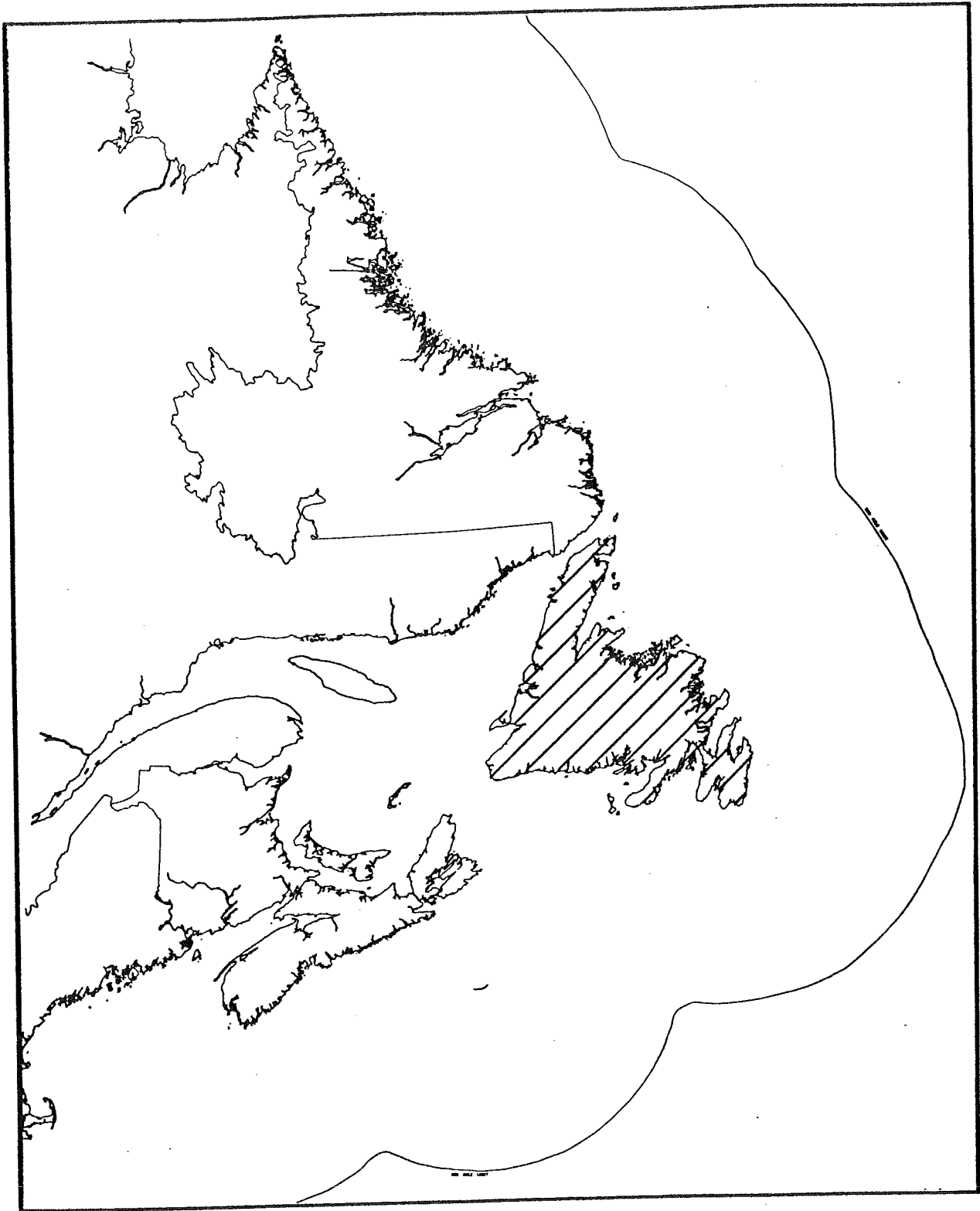


17. Signature: Not signed

Date: April 6, 1992

1. **Database Title: Summary of Pesticide Use from Pest Control Operators**
2. **Contact Person:**
Richard Martin
Newfoundland Department of Environment and Lands
Confederation Building, West Block
PO Box 4750
St. John's, Newfoundland A1C 5T7
3. **Purpose:**
To keep track of commercial pesticides used in the province
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Personal information included in the records, e.g., names of applicator, etc.
5. **Geographical Coverage/Scale:**
Newfoundland
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1985 to 1989
Updated annually
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Chemical: Pesticides - kind of pesticide, PCP Reg. number, quantity used amount
10. **Sampling Procedures:**
11. **Program Type:**
Licensing
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

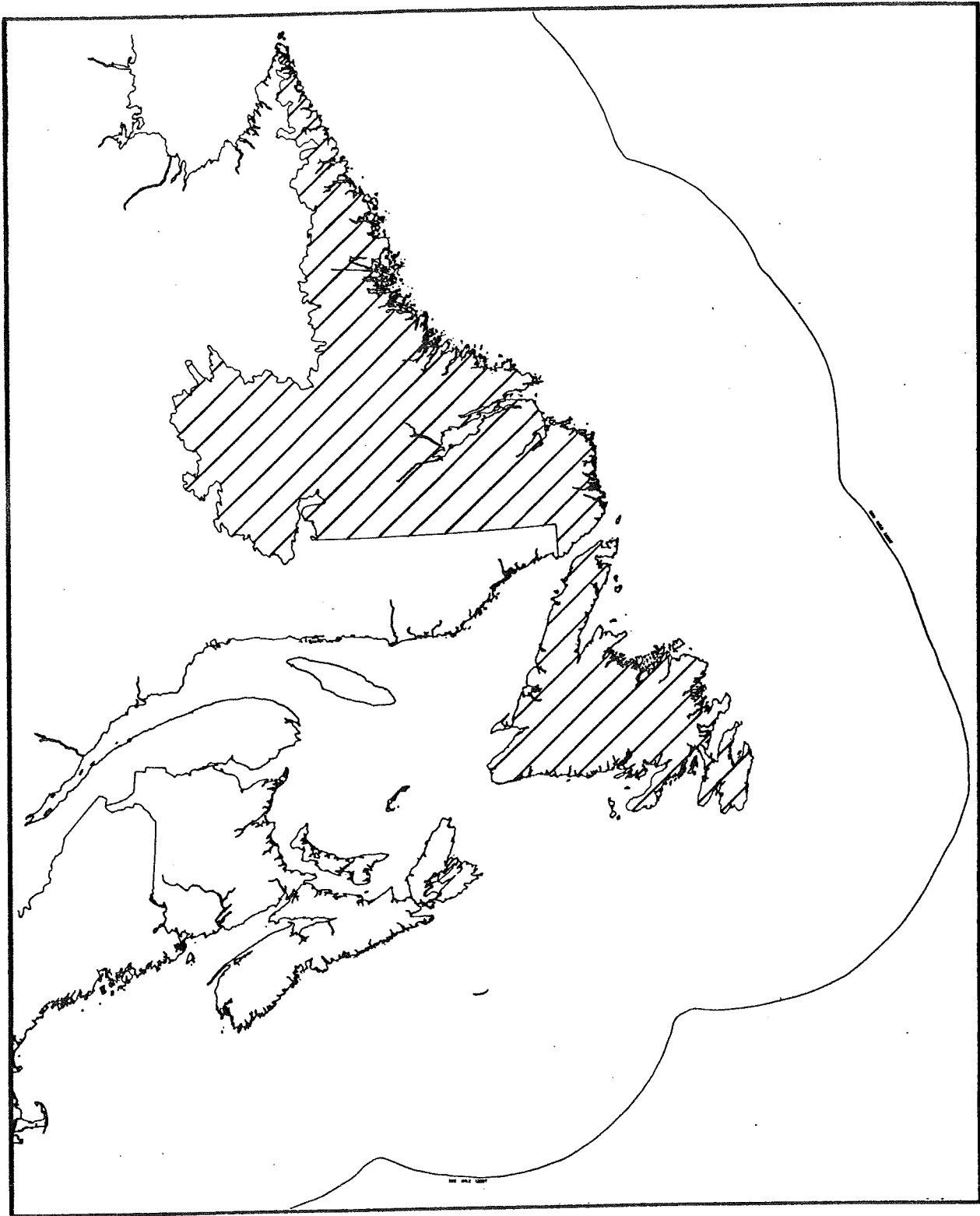


17. Signature: Unverified

Date:

1. **Database Title: Water Quality Database**
2. **Contact Person:**
Dr. A. Blouin
Newfoundland Department of Environment and Lands
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 576-2563
3. **Purpose:**
Storage and management of surface water quality data for Newfoundland and Labrador
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Provincial data from 1977-1986; joint federal/provincial data from 1986 to present
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1977 to present
Updated several times a year
8. **Format:**
Digital database files
9. **Data Types/Parameters Measured:**
Chemical: Major ions, nutrients, metals, OC/PCBs from water, sediment and fish tissue
10. **Sampling Procedures:**
Grab samples, usually monthly
11. **Program Type:**
Federal/provincial water quality monitoring agreement
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Micro-computer
Operating system:
Software: dBASE IV
15. **Comments:**
This database provides data coverage which is also available on NAQUADAT, and through the Water Resources Directorate of Environment Canada, Moncton, New Brunswick

16. Map Indicating areas of data holdings:

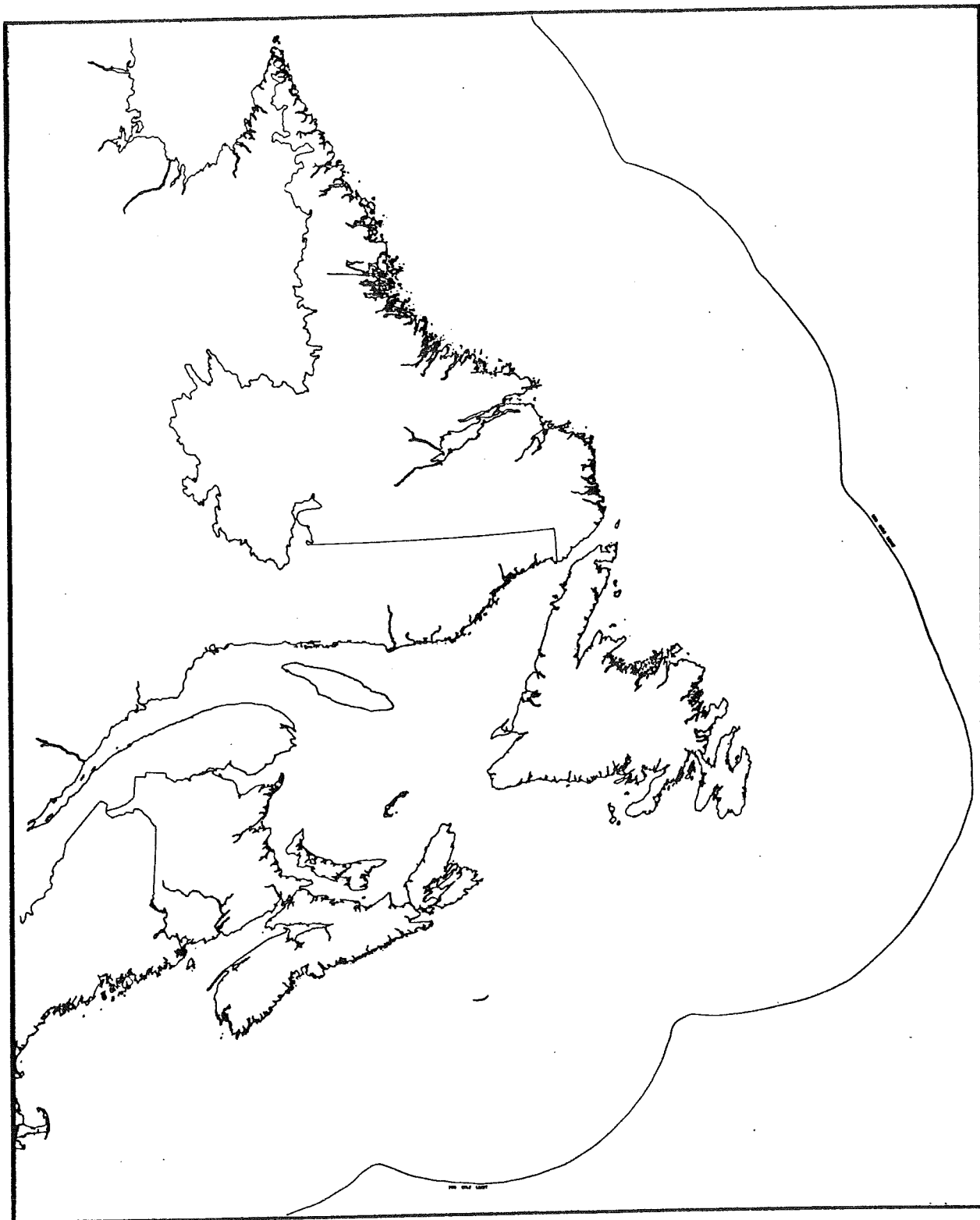


17. Signature: Unverified

Date:

1. **Database Title: Alienation (ALEN)**
2. **Contact Person:**
R. D. Mercer
Director, Forest Management Division
Newfoundland Department of Forestry and Agriculture
PO Box 2006
Herald Building
Corner Brook, Newfoundland A2H 6J8
Tel (709) 637-2344; Fax (709) 637-2403
3. **Purpose:**
Dataset contains areas in which forestry activity is restricted or totally alienated. The polygons show the boundary and cause of the alienation.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western and Central Regions of Newfoundland - 40% complete
Scale 1:12 500
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; NAD27; 3 degree Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1988 -
8. **Format:**
Digital: AutoCAD DXF and DLG format on 9 Track tape and Floppy disk
9. **Data Types/Parameters Measured:**
10. **Sampling Procedures:**
Table digitized and system generated
11. **Program Type:**
Monitoring and mapping
12. **Size/Growth:**
30 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PRIME 9955-II
Operating system: PRIMOS
Software: ARC/INFO
15. **Comments:**

16. Map Indicating areas of data holdings:

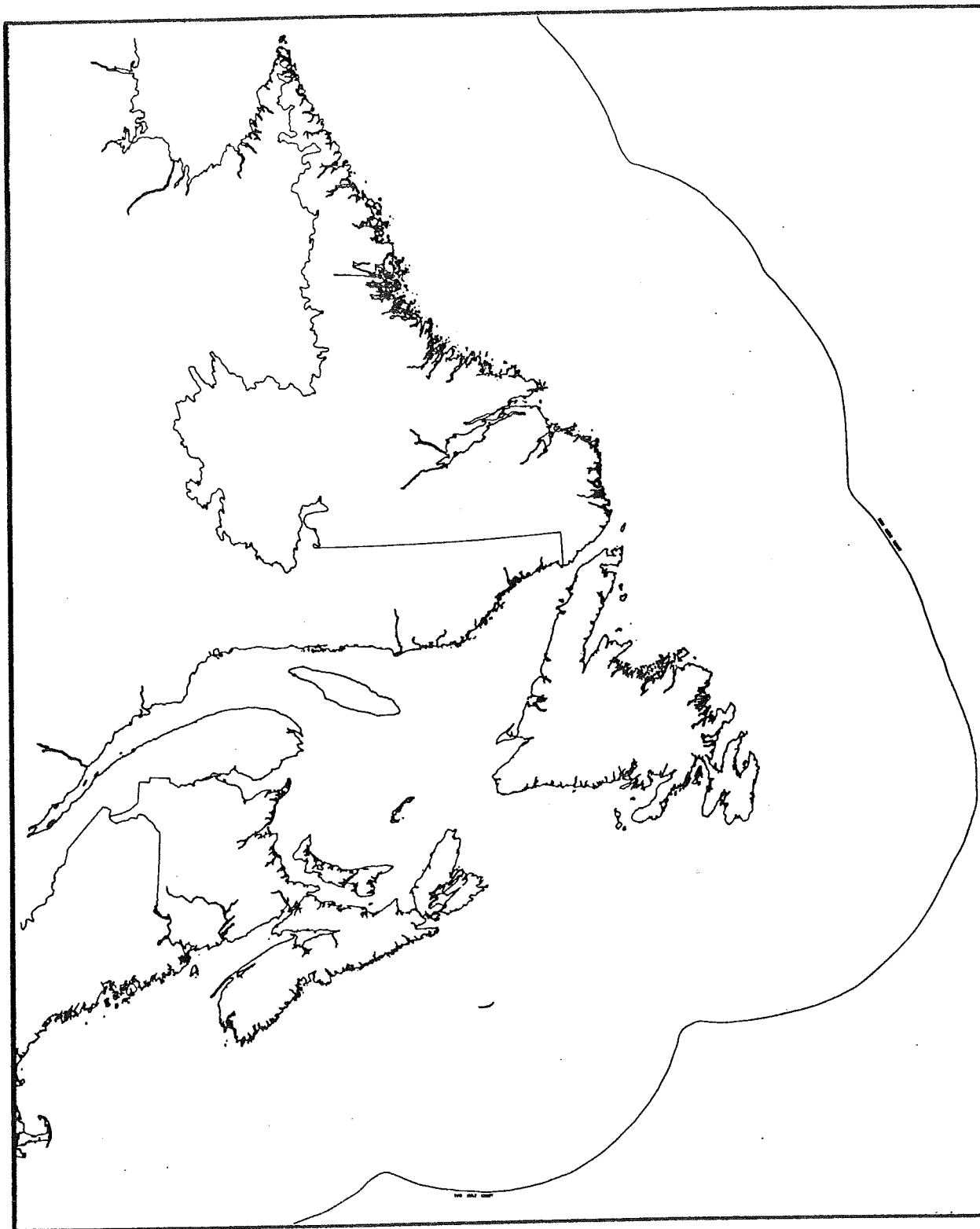


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Damage (DAMG)**
2. **Contact Person:**
R. D. Mercer
Director, Forest Management Division
Newfoundland Department of Forestry and Agriculture
PO Box 2006
Herald Building
Corner Brook, Newfoundland A2H 6J8
Tel (709) 637-2344; Fax (709) 637-2403
3. **Purpose:**
A layer that can be added to the forest type map to show the areas of insect damage and the severity of that damage.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western and Central Regions of Newfoundland - 40% complete
Scale 1:25 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; NAD27; 3 degree Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1989 -
8. **Format:**
Digital: AutoCAD DXF and DLG on 9 Track tape and Floppy disk
9. **Data Types/Parameters Measured:**
10. **Sampling Procedures:**
Table digitized
11. **Program Type:**
Monitoring and mapping
12. **Size/Growth:**
50 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PRIME 9955-II
Operating system: PRIMOS
Software: ARC/INFO
15. **Comments:**

16. Map indicating areas of data holdings:

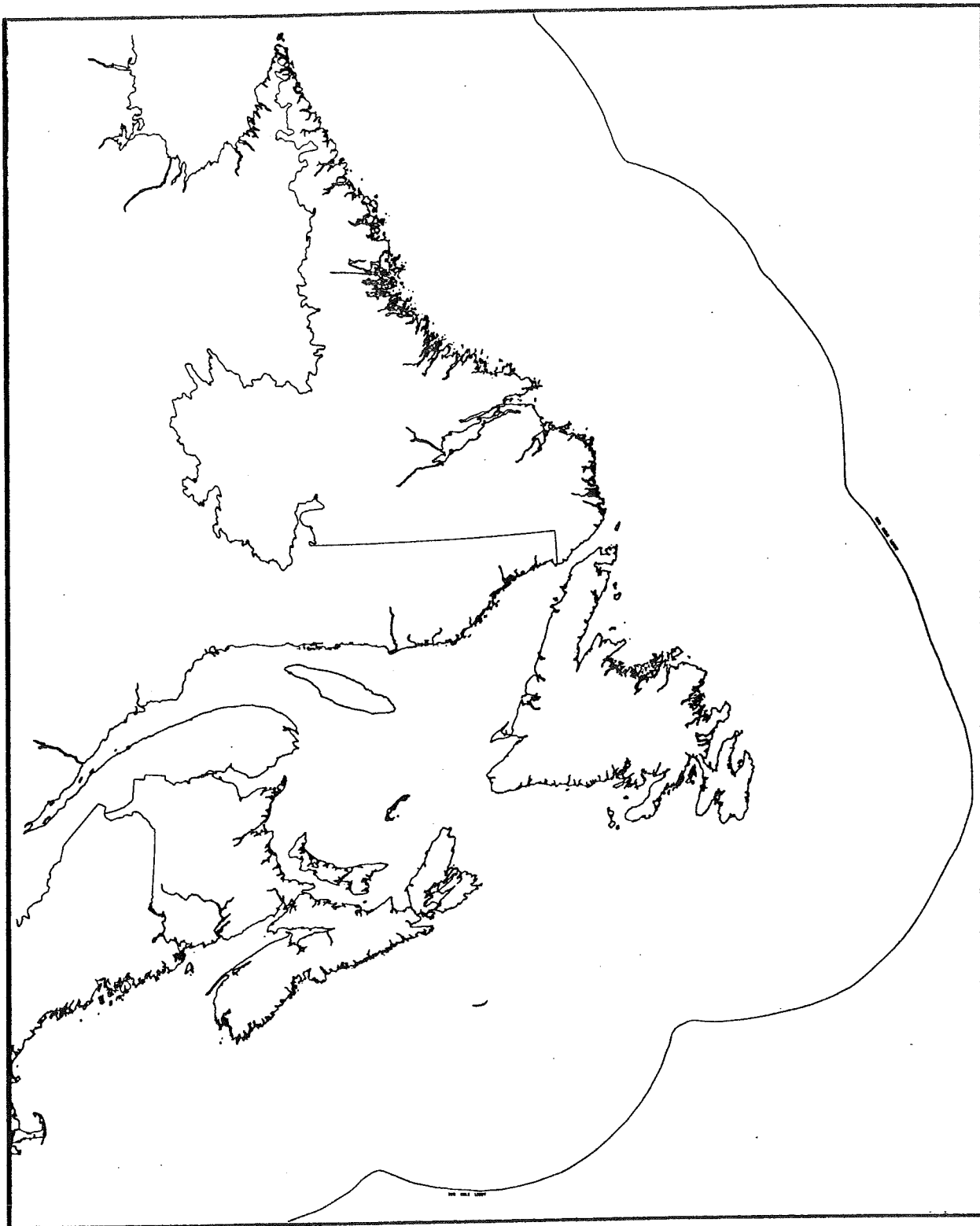


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Defoliation (DEFOL)**
2. **Contact Person:**
R. D. Mercer
Director, Forest Management Division
Newfoundland Department of Forestry and Agriculture
PO Box 2006
Herald Building
Corner Brook, Newfoundland A2H 6J8
Tel (709) 637-2344; Fax (709) 637-2403
3. **Purpose:**
Dataset contains areas of defoliation caused by insects. The insects that caused the defoliation and the severity are also coded.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western and Central Regions of Newfoundland - 30% complete
Scale 1:25 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; NAD27; 3 degree Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1989 -
8. **Format:**
Digital: AutoCAD DXF and DLG on 9 Track tape and Floppy disk
9. **Data Types/Parameters Measured:**
10. **Sampling Procedures:**
Table digitized
11. **Program Type:**
Monitoring and mapping
12. **Size/Growth:**
30 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PRIME 9955-II
Operating system: PRIMOS
Software: ARC/INFO
15. **Comments:**

16. Map indicating areas of data holdings:

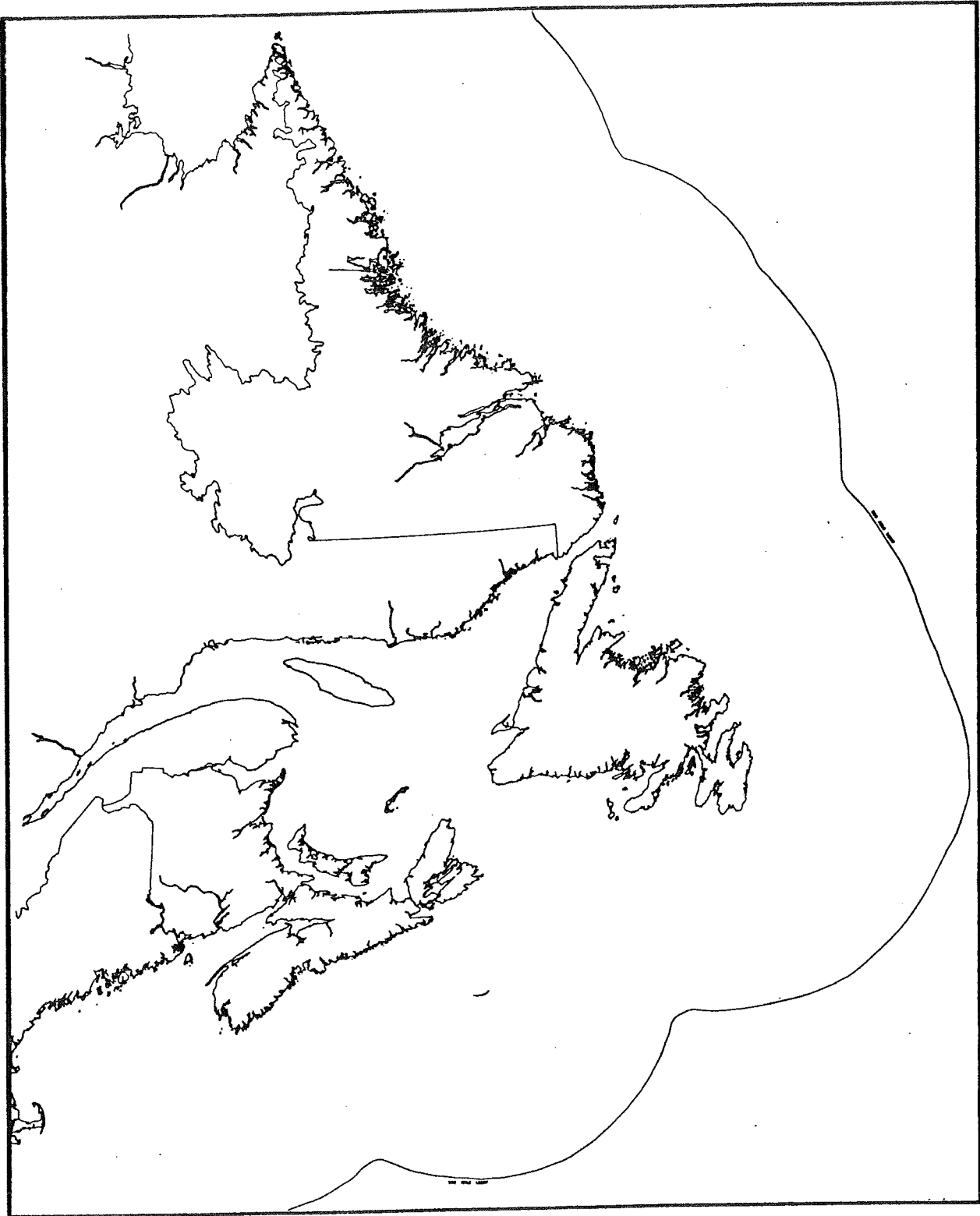


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Forest Type Maps (FORMAP)**
2. **Contact Person:**
R. D. Mercer
Director, Forest Management Division
Newfoundland Department of Forestry and Agriculture
PO Box 2006
Herald Building
Corner Brook, Newfoundland A2H 6J8
Tel (709) 637-2344; Fax (709) 637-2403
3. **Purpose:**
To indicate forest types for forest management
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Newfoundland and Labrador - 65% complete
Scale 1:12 500
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; NAD27; 3 degree Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1986 -
8. **Format:**
Digital: AutoCAD DXF and DLG format on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
BASE, HYDR, LINE, LCOV, OWNR, ANNO, MGMT, FTMP
10. **Sampling Procedures:**
Table digitized
11. **Program Type:**
Monitoring and mapping
12. **Size/Growth:**
2 Gigabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PRIME 9955-II
Operating system: PRIMOS
Software: ARC/INFO
15. **Comments:**

16. Map indicating areas of data holdings:

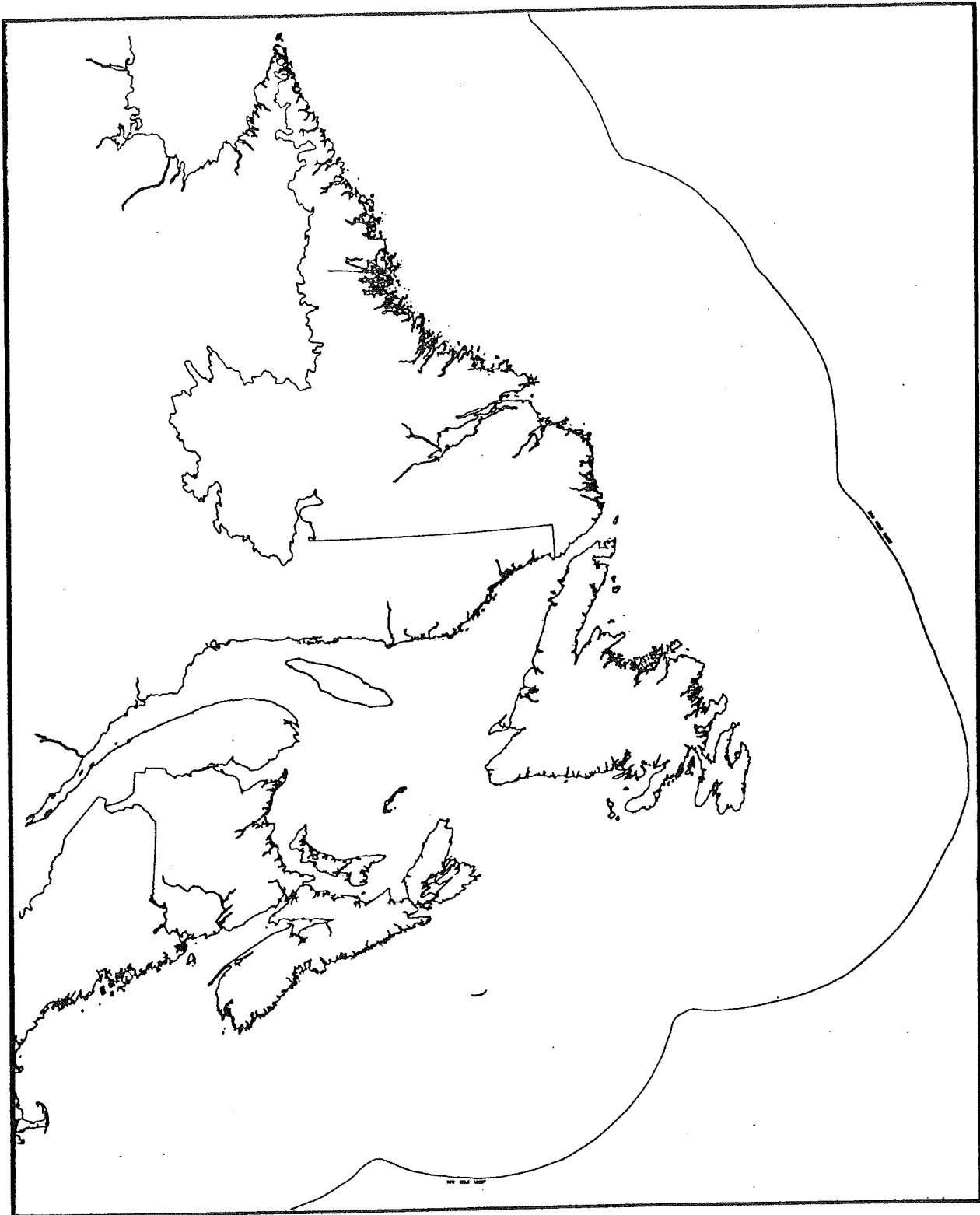


17. Signature: Unverified

Date: March 17, 1992

1. **Database Title: On-Farm Mapping (AGROMAP)**
2. **Contact Person:**
Garry Kirby
Soil and Land Management
Newfoundland Department of Forestry and Agriculture
Provincial Agriculture Building
PO Box 8700
Brookfield Road
St. John's, Newfoundland A1B 4J6
Tel (709) 729-6645; Fax (709) 729-6046
3. **Purpose:**
Eight 1:2500 map sheets contain layered information on hydro, transportation, legal and geo-referenced.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access is restricted
5. **Geographical Coverage/Scale:**
Western Region of Newfoundland
Scale 1:2500
6. **Geographical Referencing:**
Northing/Easting; NAD27; NAD83; 3 degree Transverse Mercator
7. **Period of Record/Update Frequency:**
1991 -
8. **Format:**
Digital: 9 Track tape and Floppy disk
Hard-copy: Paper and mylar
9. **Data Types/Parameters Measured:**
Hydrography, transportation and legal
10. **Sampling Procedures:**
Table digitized
11. **Program Type:**
Mapping and surveys
12. **Size/Growth:**
2 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: ARC/INFO, dBASE
15. **Comments:**

16. Map indicating areas of data holdings:

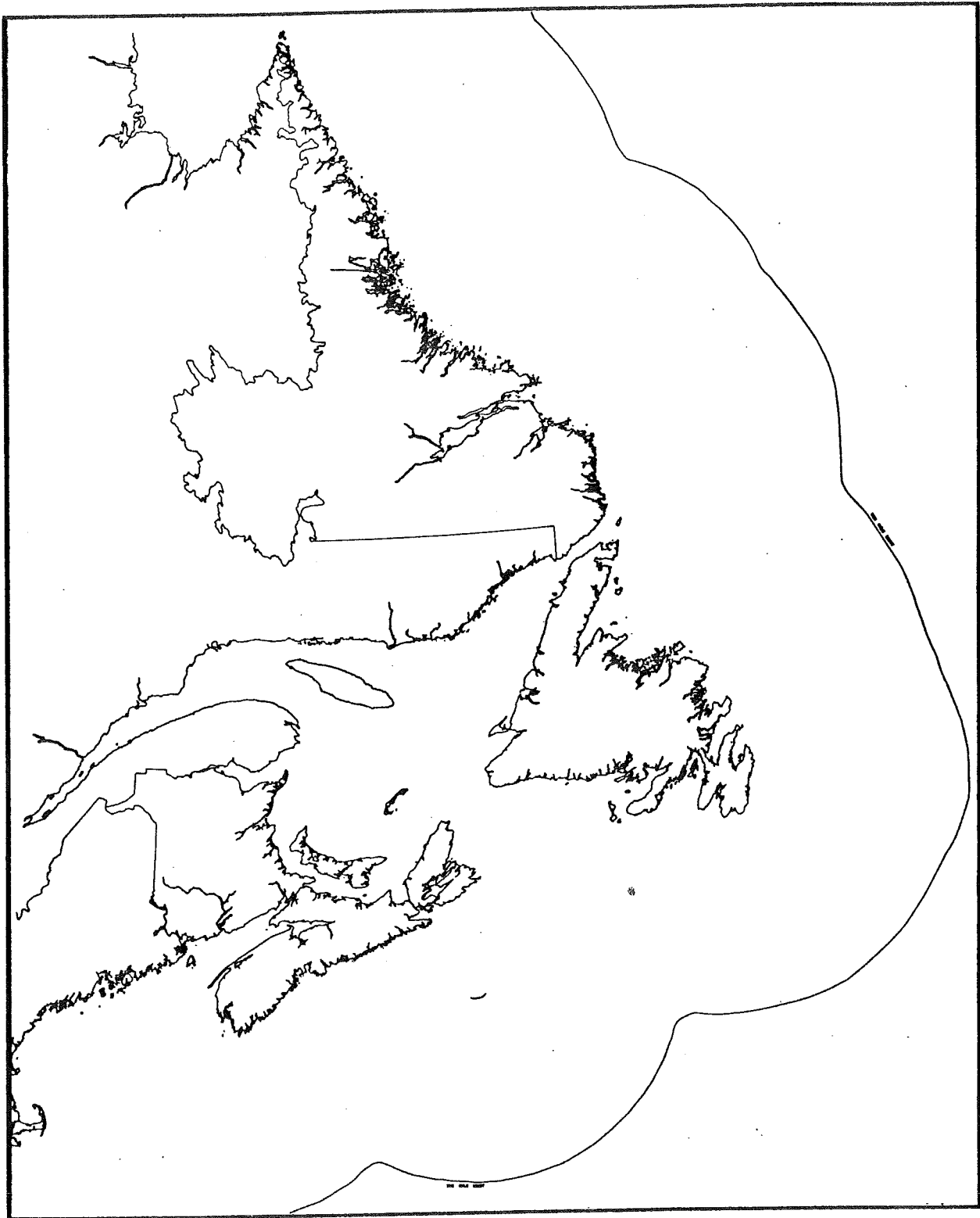


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: On-Farm Mapping - Land-Use (AGROMAP)**
2. **Contact Person:**
Garry Kirby
Soil and Land Management
Newfoundland Department of Forestry and Agriculture
Provincial Agriculture Building
PO Box 8700
Brookfield Road
St. John's, Newfoundland A1B 4J6
Tel (709) 729-6645; Fax (709) 729-6046
3. **Purpose:**
To provide farmers with accurate and up-to-date land-use data. This data can be then used by the farmer and/or with staff to make decisions which affect his/her farm management.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access is restricted
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland
Scale 1:2500
6. **Geographical Referencing:**
Northing/Easting; NAD27; NAD83; 3 degree Transverse Mercator
7. **Period of Record/Update Frequency:**
1991 -
8. **Format:**
Digital: 9 Track tape and Floppy disk
Hard-copy: Paper and mylar
9. **Data Types/Parameters Measured:**
Land use data collected: field size (acres or hectares), present crop, total area of land base, number of land holdings (i.e. Grants)
10. **Sampling Procedures:**
Table digitized
11. **Program Type:**
Mapping and surveys
12. **Size/Growth:**
20 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: ARC/INFO, dBASE
15. **Comments:**

16. Map indicating areas of data holdings:

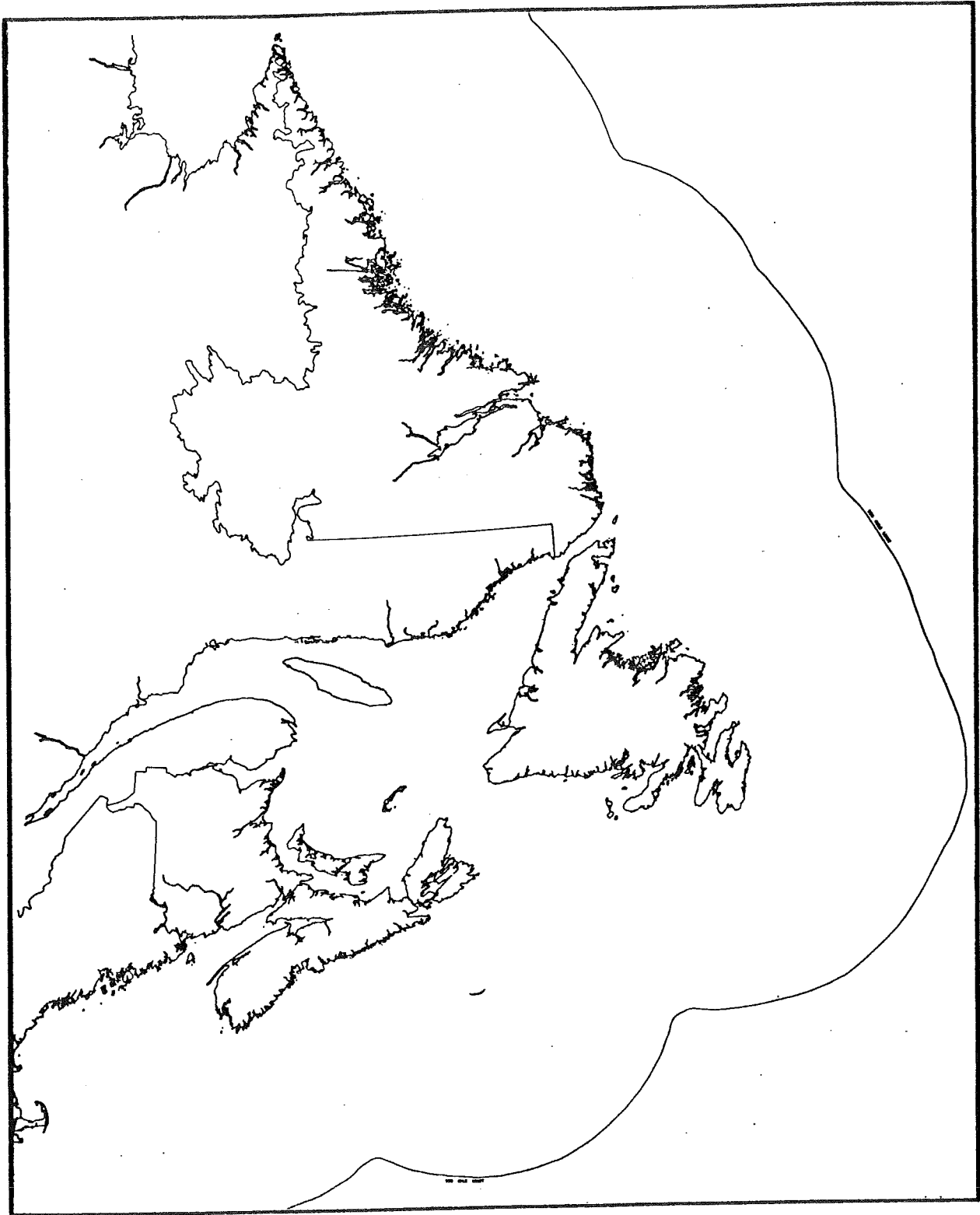


17. Signature: Not signed

Date: March 13, 1992

1. **Database Title: On-Farm Mapping - Soils (AGROMAP)**
2. **Contact Person:**
Garry Kirby
Soil and Land Management
Newfoundland Department of Forestry and Agriculture
Provincial Agriculture Building
PO Box 8700
Brookfield Road
St. John's, Newfoundland A1B 4J6
Tel (709) 729-6645; Fax (709) 729-6046
3. **Purpose:**
Data used for on-farm soil management decisions.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access is restricted
5. **Geographical Coverage/Scale:**
Western Region of Newfoundland
Scale 1:5000
6. **Geographical Referencing:**
Northing/Easting; NAD27; NAD83; 3 degree Transverse Mercator
7. **Period of Record/Update Frequency:**
1991 -
8. **Format:**
Digital: 9 Track tape and Floppy disk
Hard-copy: Paper and mylar
9. **Data Types/Parameters Measured:**
Soil data
10. **Sampling Procedures:**
Table digitized and raster-vector conversion
11. **Program Type:**
Mapping and surveys
12. **Size/Growth:**
32 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: ARC/INFO, dBASE
15. **Comments:**

16. Map indicating areas of data holdings:

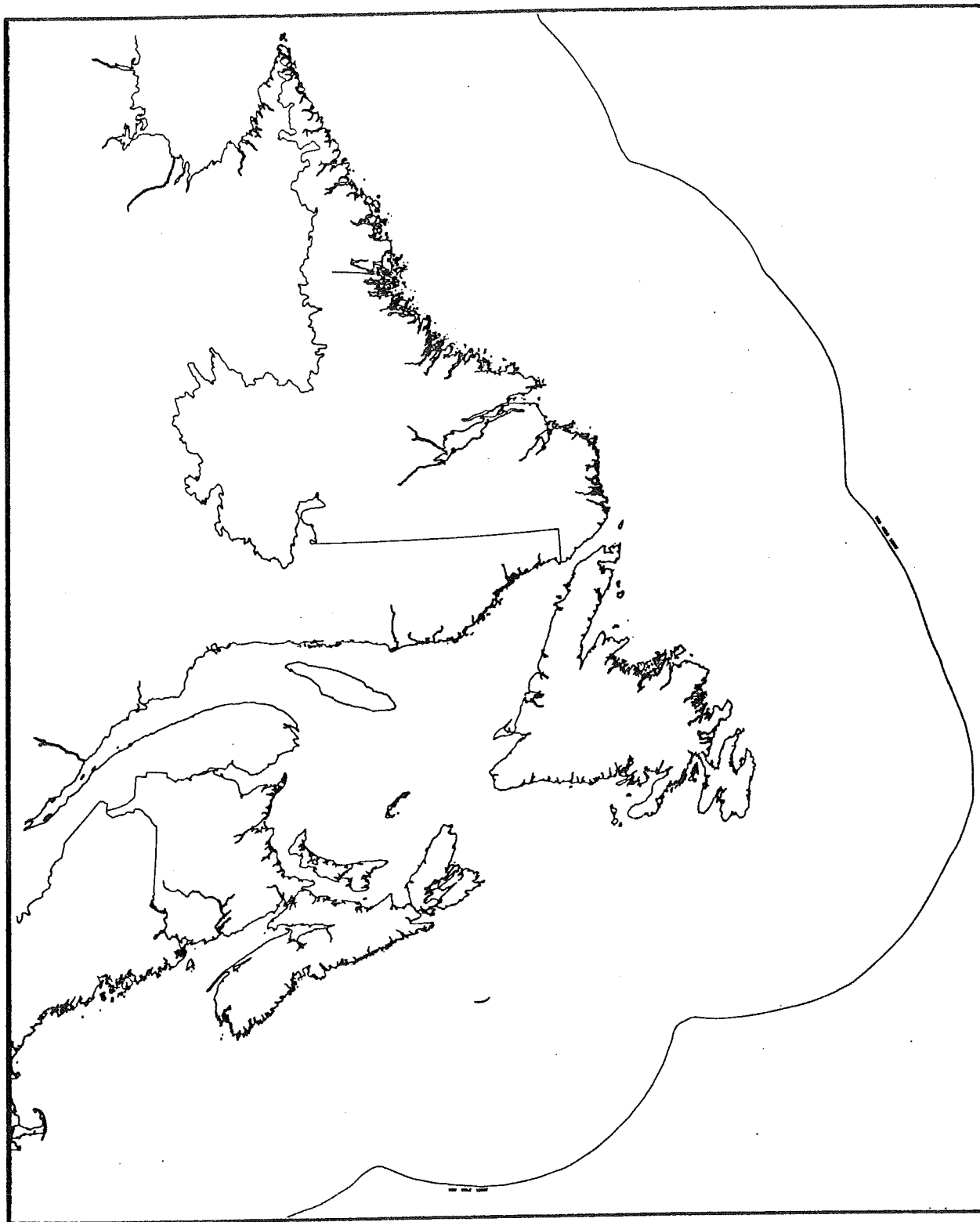


17. Signature: Not signed

Date: March 13, 1992

1. **Database Title: Other Disturbances (ODIS)**
2. **Contact Person:**
R. D. Mercer
Director, Forest Management Division
Newfoundland Department of Forestry and Agriculture
PO Box 2006
Herald Building
Corner Brook, Newfoundland A2H 6J8
Tel (709) 637-2344; Fax (709) 637-2403
3. **Purpose:**
A data layer which shows areas that have been disturbed by other than insect damage. The cause of the disturbance is shown also.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western and Central Regions of Newfoundland - 30% complete
Scale 1:25 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; NAD27; 3 degree Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1989 -
8. **Format:**
Digital: AutoCAD DXF and DLG on 9 Track tape and Floppy disk
9. **Data Types/Parameters Measured:**
10. **Sampling Procedures:**
Table digitized
11. **Program Type:**
Monitoring and mapping
12. **Size/Growth:**
50 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PRIME 9955-II
Operating system: PRIMOS
Software: ARC/INFO
15. **Comments:**

16. Map indicating areas of data holdings:

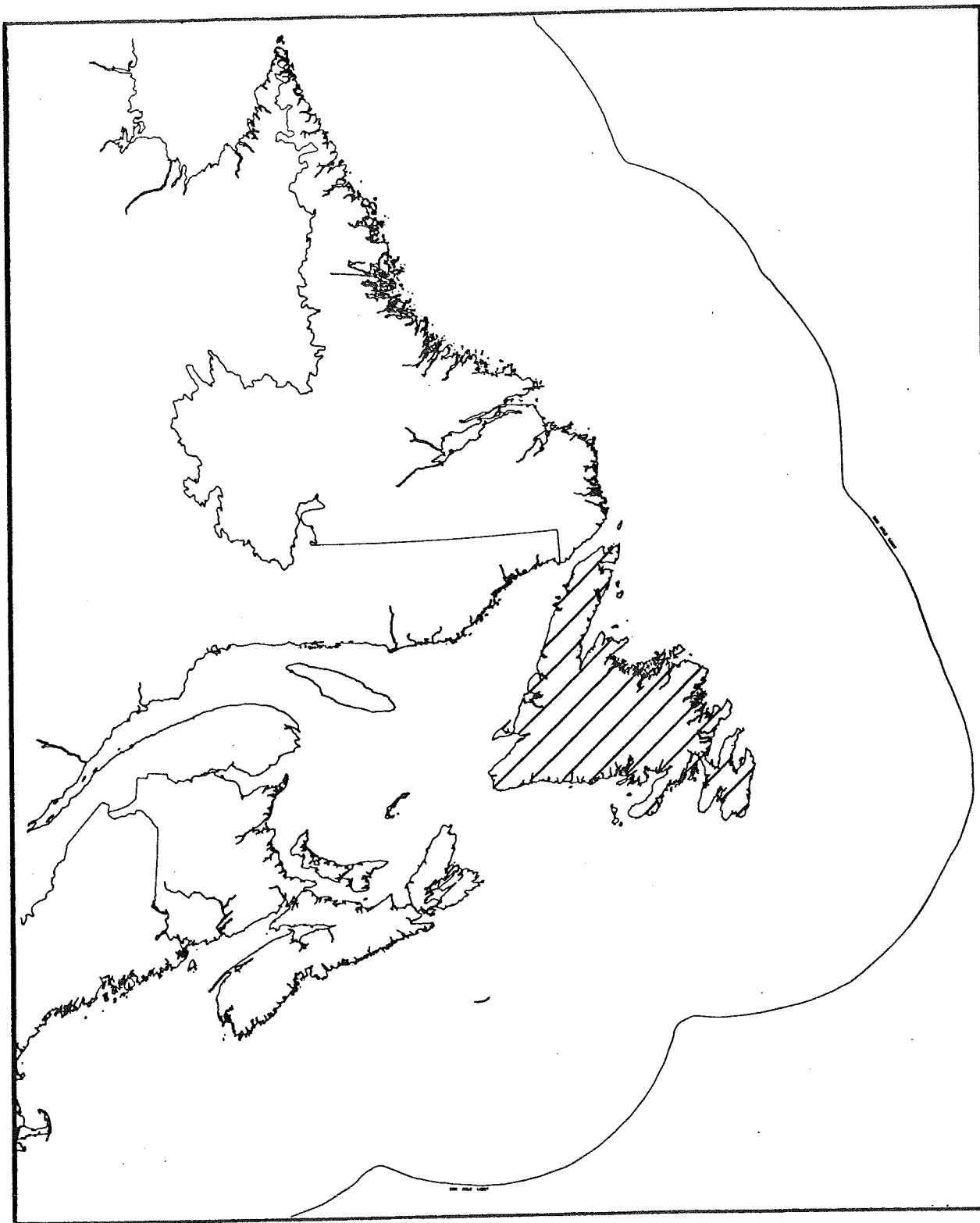


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Airborne Gamma Ray Spectrometric Data Newfoundland**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Data collected by the Geological Survey of Canada (GSC) (Skyvan) survey. Survey flown at 40 m ground clearance along flight lines spaced 1 km apart and oriented north-south; exceptions include Northern Peninsula (SE-NW) and Baie Verte (E-W). Survey objective is to characterize granite terrains for elements U, Th, K.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1982 to 1988
Updated in 1988
8. **Format:**
Digital: 9 Track tape and Floppy disk
9. **Data Types/Parameters Measured:**
Gamma ray geophysics
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
50 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

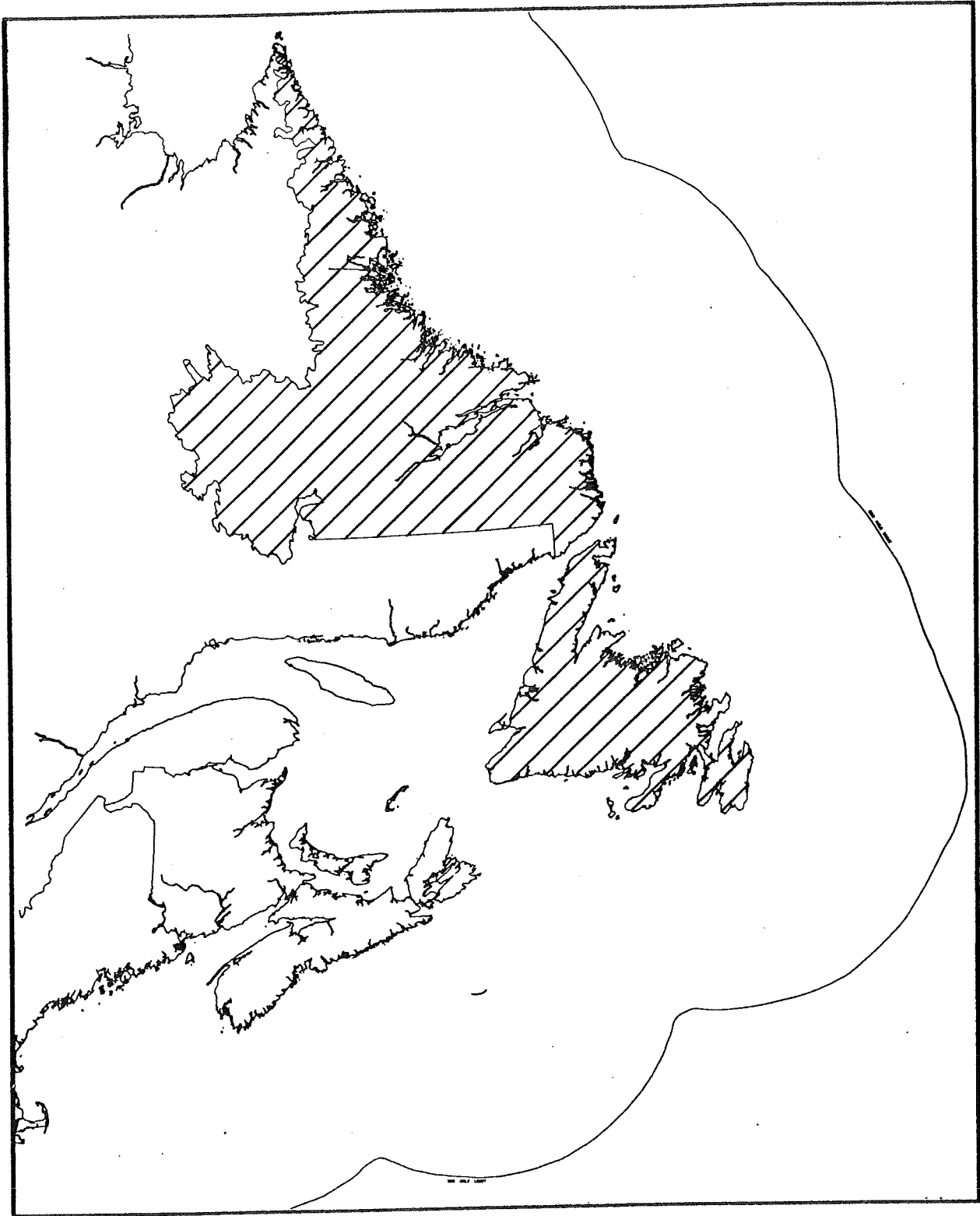


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Annual Census of Mines, Quarries**
2. **Contact Person:**
Glenn Luther
Statistician, Mineral Resources Branch
Newfoundland Department of Mines and Energy
West Block, Confederation Building
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-6448; Fax (709) 729-6782
3. **Purpose:**
Contains the results of questionnaires returned to the Nfld Department of Mines and Energy by companies operating in the province. It consists of 33 files, each file is for a different commodity and contains general information on the annual mines census.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Most of the information in this file is confidential and for internal use only.
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland and Labrador
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1953
Updated in 1990
8. **Format:**
9. **Data Types/Parameters Measured:**
Mines census
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
4 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM compatible
Operating system: MS DOS
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

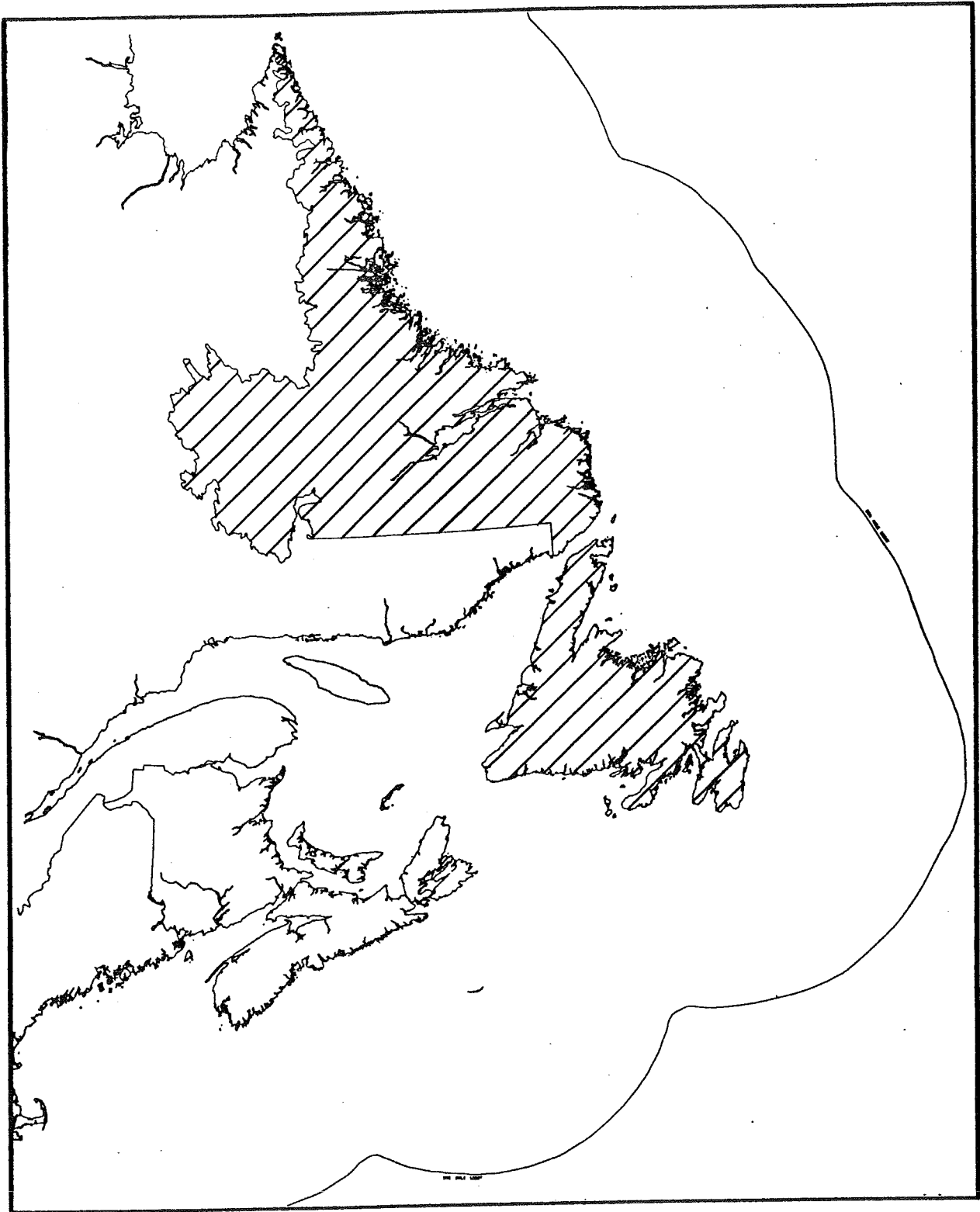


17. Signature: Not signed

Date: March 23, 1992

1. **Database Title: Glacial Striation Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains the glacial striations collected over several years by mappers.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland and Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1989
Updated in 1990
8. **Format:**
Digital: Point data flat file on Floppy disk
9. **Data Types/Parameters Measured:**
Striae
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
2 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP Vectra PC
Operating system: MS DOS
Software: R:Base
15. **Comments:**

16. Map indicating areas of data holdings:

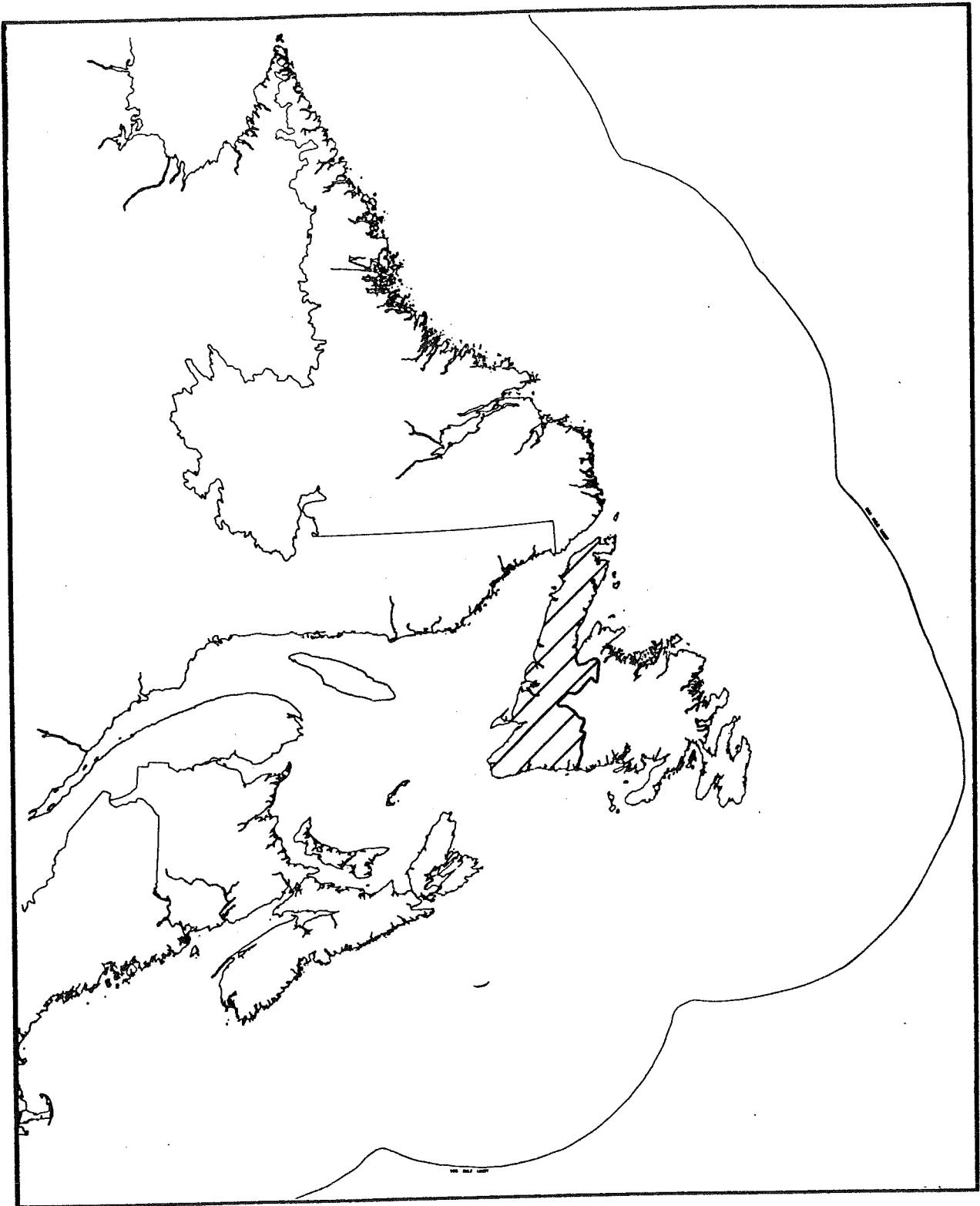


17. Signature: Not signed

Date: March 23, 1992

1. **Database Title: Great Northern Peninsula Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains field and analytical data collected by GSC in the early 1980s and published as Geological Survey of Canada open file 1310 in 1986.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western Region of Newfoundland
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1986 -
Updated in 1986
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
9. **Data Types/Parameters Measured:**
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

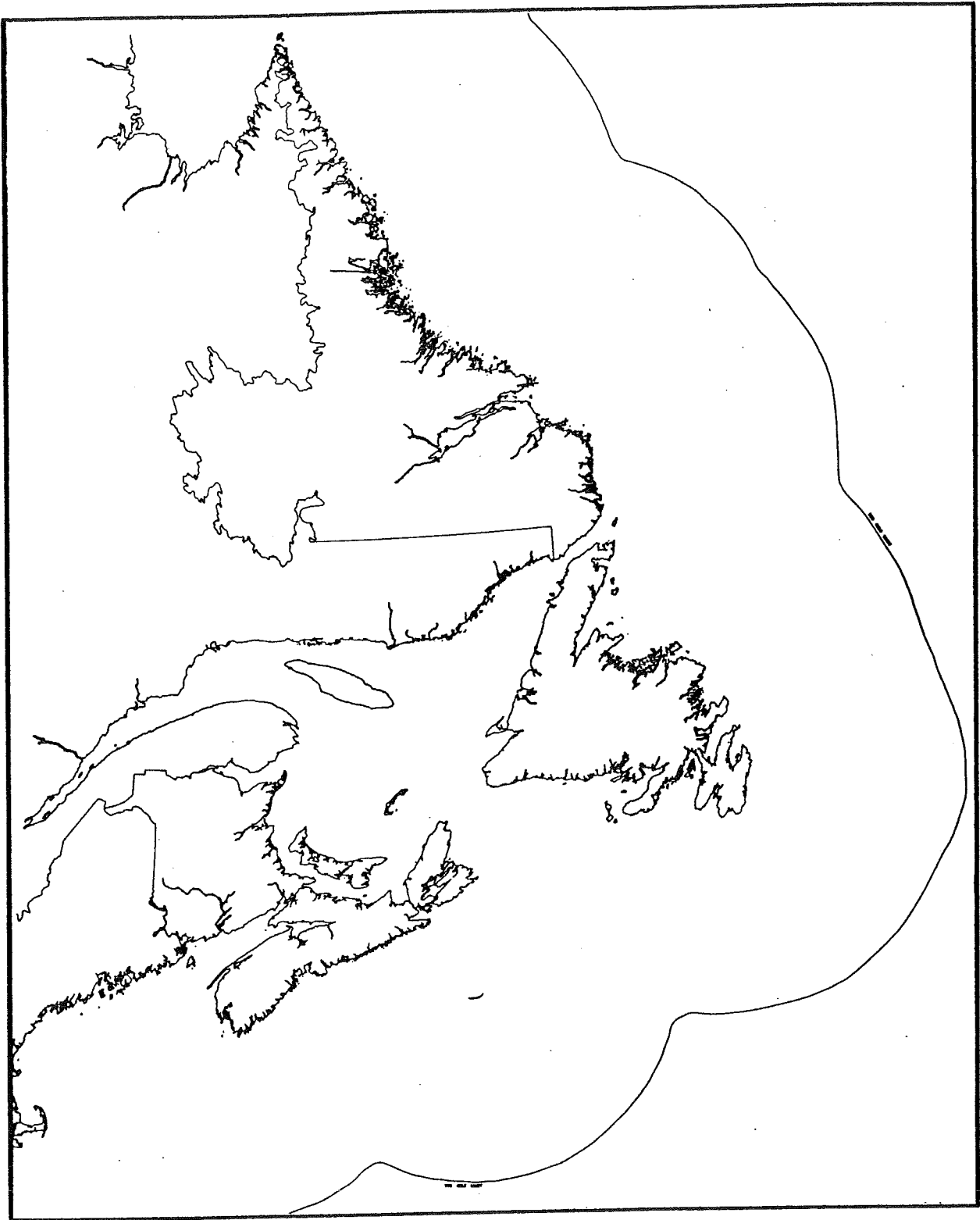


17. Signature: Not signed

Date: March 18, 1992

1. **Database Title: Grenville Province Projects Database (GREN)**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains field and analytical data, including majors, traces and norms (calculated) for all rock samples collected for projects conducted in the Grenville Province of Labrador.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access is restricted.
5. **Geographical Coverage/Scale:**
Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1979 to 1990
Updated in 1990
8. **Format:**
Digital: Point data flat file and REFLEX on Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Geology
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
622 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP Vectra
Operating system: MS DOS
Software: REFLEX
15. **Comments:**

16. Map indicating areas of data holdings:

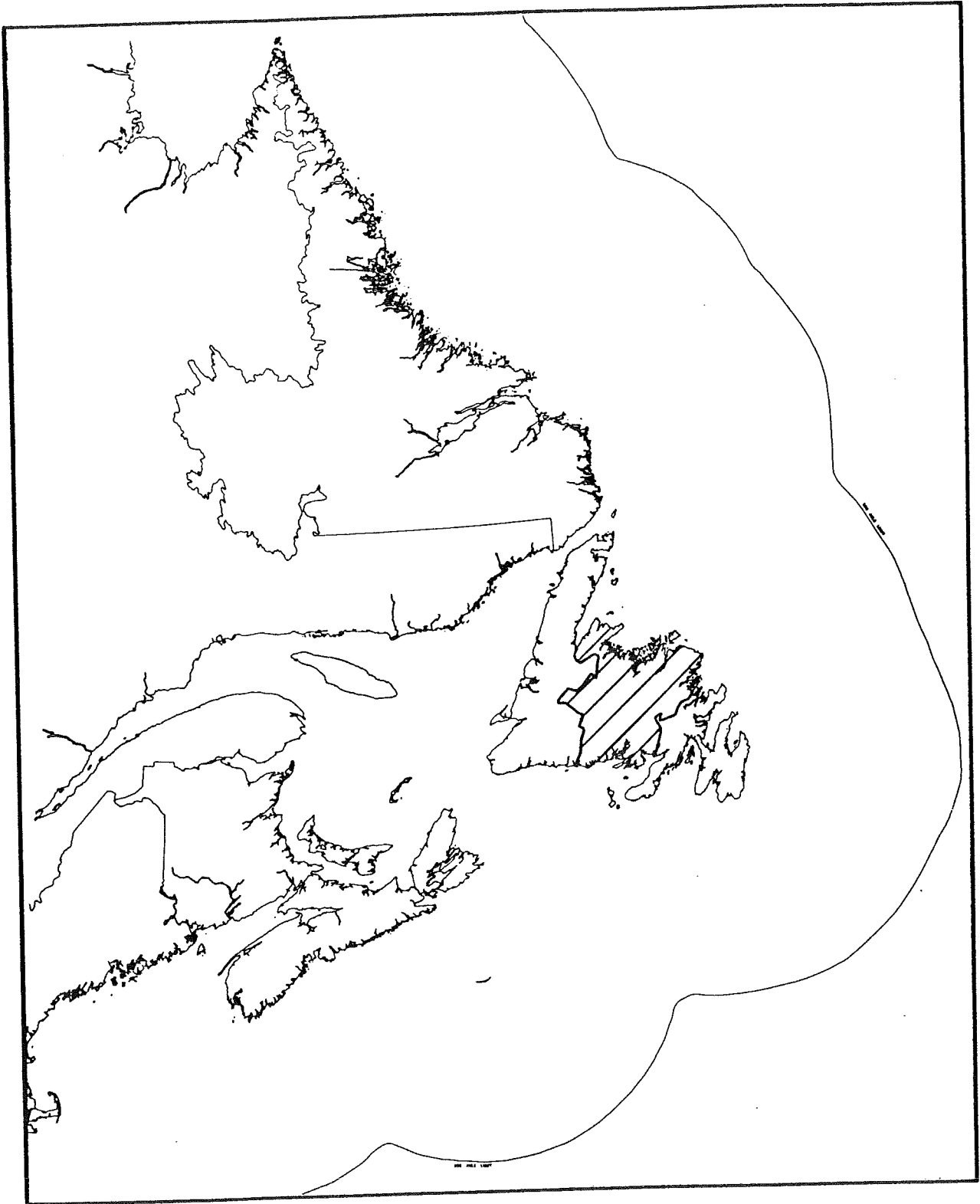


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: HI-Res Aeromagnetic Gradiometer Data**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Data recorded by the Geological Survey of Canada (GSC) over parts of Central Volcanic Belt. The east-west oriented flight profiles comprising the survey areas were flown at 40 m ground clearance and at 150 m line spacing during 1984-88.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Central Region of Newfoundland
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1985 to 1988
Updated in 1988
8. **Format:**
Digital: 9 Track tape
9. **Data Types/Parameters Measured:**
Gradiometer data
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
260 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. **Map Indicating areas of data holdings:**

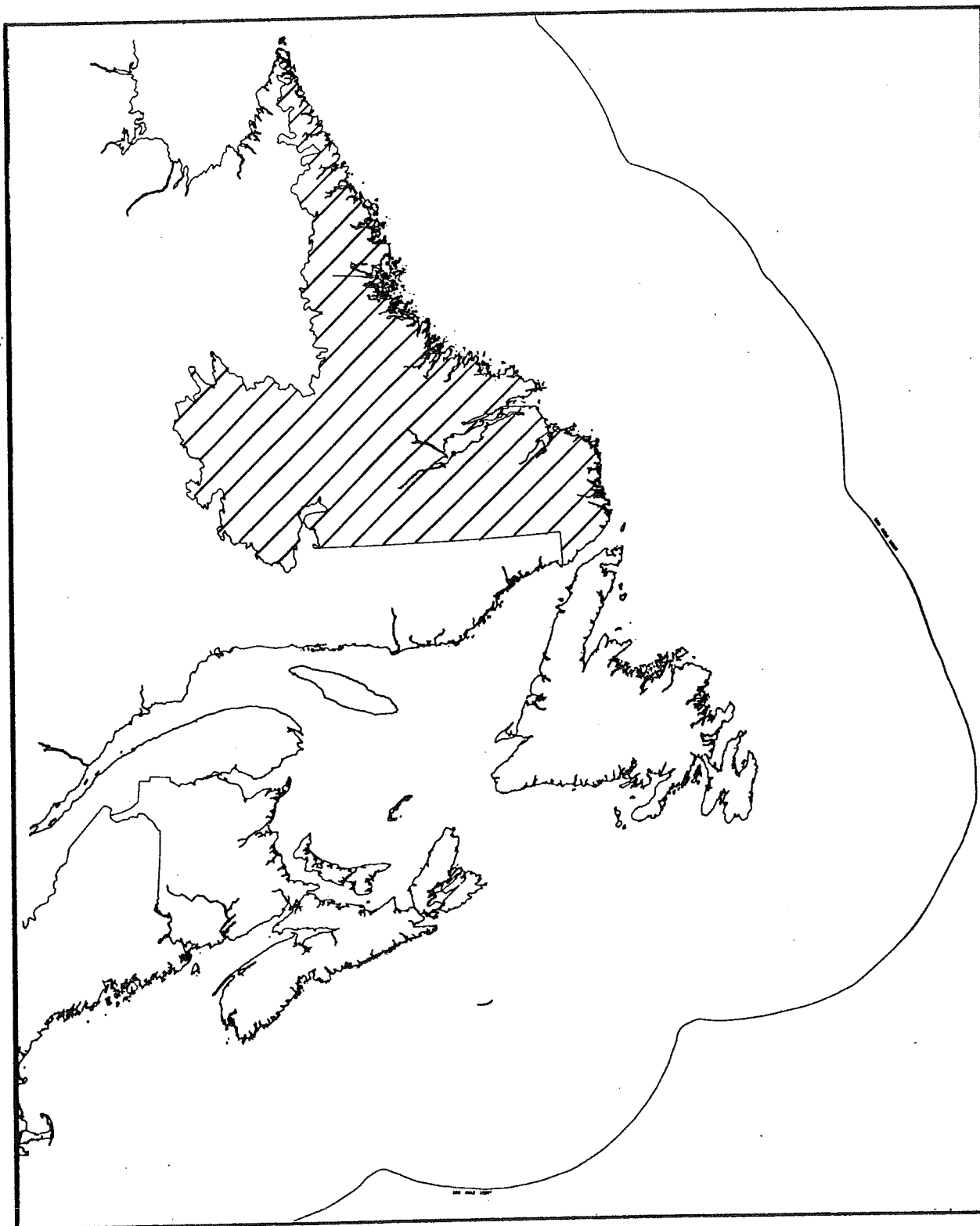


17. **Signature:** Not signed

Date: March 17, 1992

1. **Database Title: Labrador Geochronology Database**
2. **Contact Person:**
Loretta Crisby-Whittle
Geologist, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2116; Fax (709) 729-3493
3. **Purpose:**
Contains information on the location and geological interpretation of published and unpublished geochronological age dates for Labrador.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1987 to 1991
Updated in 1991
8. **Format:**
Digital: 9 Track tape and Floppy disk
Hard-copy
9. **Data Types/Parameters Measured:**
Geochronology
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
1.2 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP Vectra
Operating system: MS DOS
Software: Reflex
15. **Comments:**

16. Map indicating areas of data holdings:

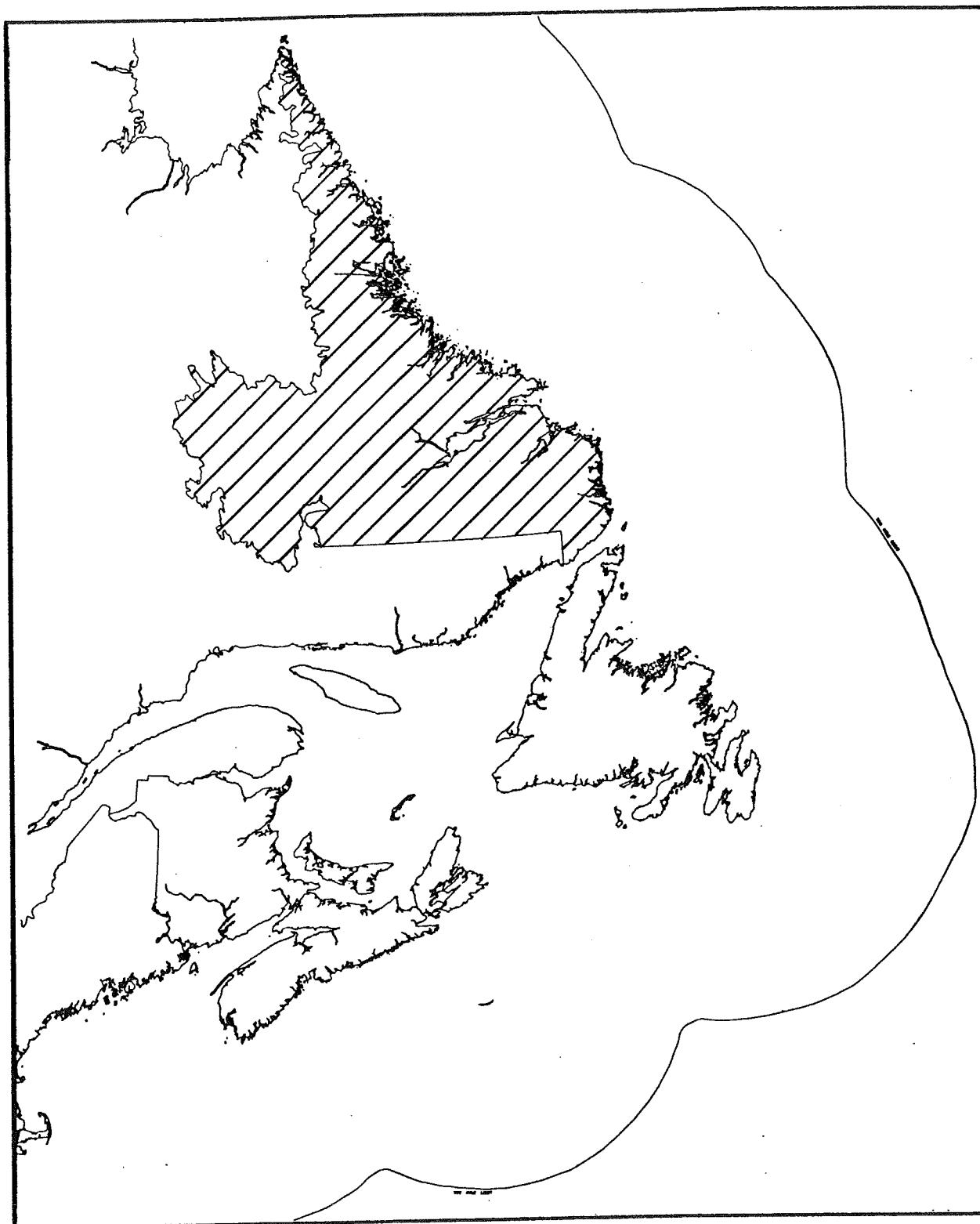


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Labrador Lake Sediment Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains field observations and analytical results of lake centre bottom samples collected in Labrador between 1977 and 1983. The data collected were from approx. 19,900 lakes. Reanalyses is ongoing. Includes all of Labrador south of 54 degrees N.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1977 to 1983
Updated in 1990
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Lake sediment data
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
10.3 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

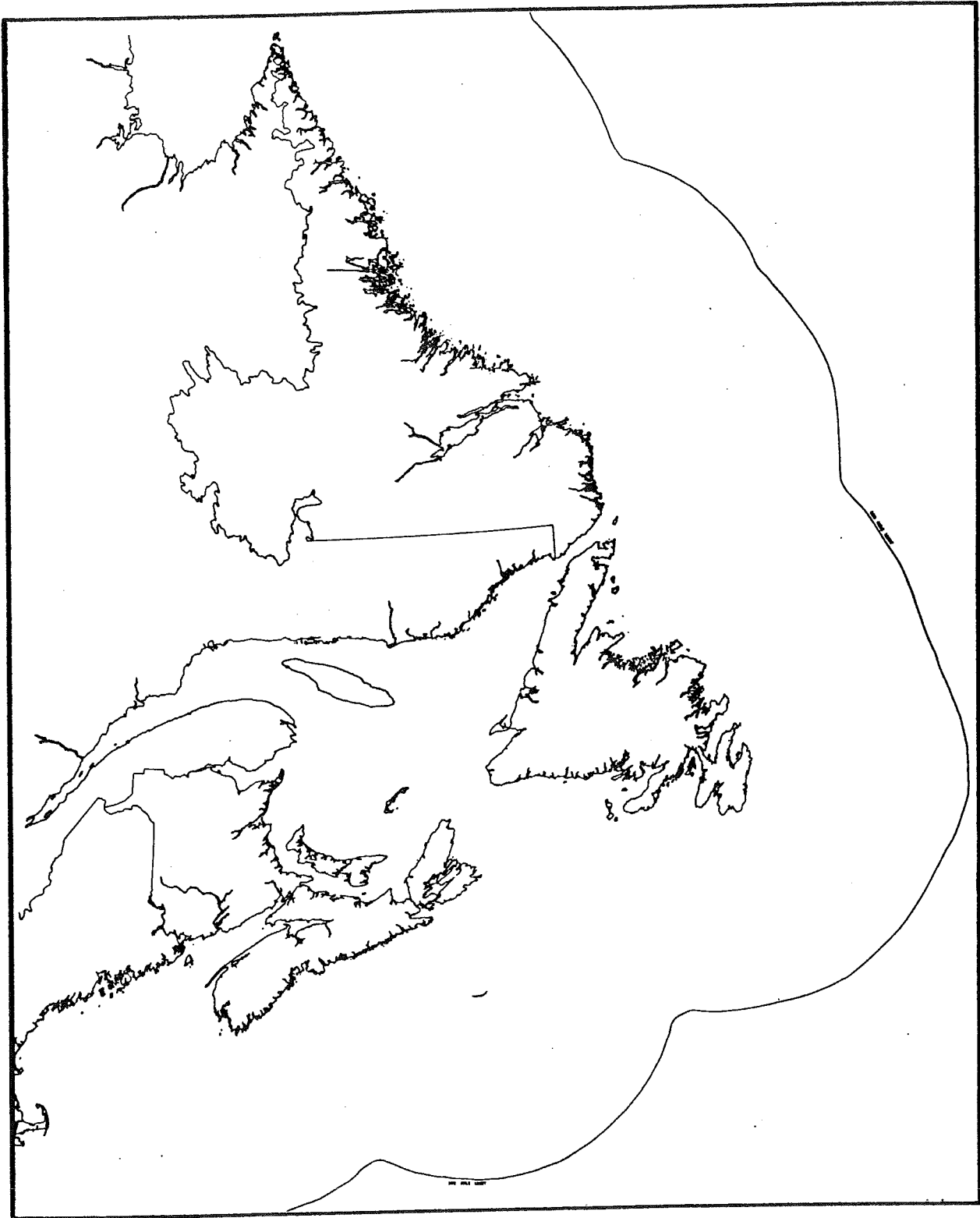


17. Signature: Not signed

Date: March 13, 1992

1. **Database Title: Labrador Lake Sediment (Detail) Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains detailed lake sediment samples from several areas in Western Labrador. The sample density is 1 sample per 6 km². These data were collected between 1984 and 1987 and are available as open files.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1984 to 1987
Updated in 1990
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Lake sediment data
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
300 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

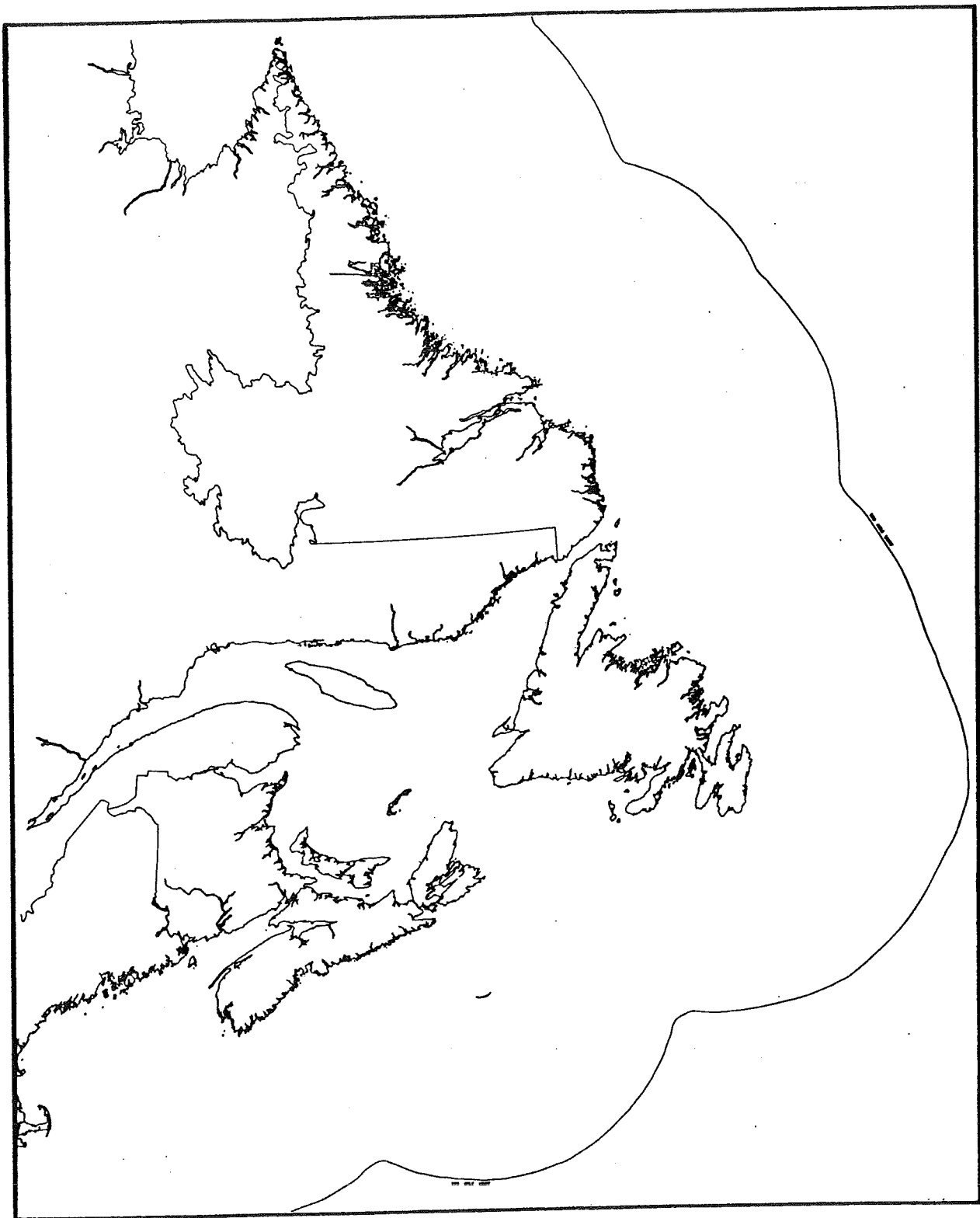


17. Signature: Not signed

Date: March 13, 1992

1. **Database Title: Labrador Lithogeochemistry - Granite**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains field and analytical data for granite rock samples systematically collected from plutons in eastern Labrador. Sampling density at about 1 sample per 4 km² or less depending on the areal extent of the pluton.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access is restricted.
5. **Geographical Coverage/Scale:**
Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1985 to 1988
Updated in 1988
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Granite
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
800 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

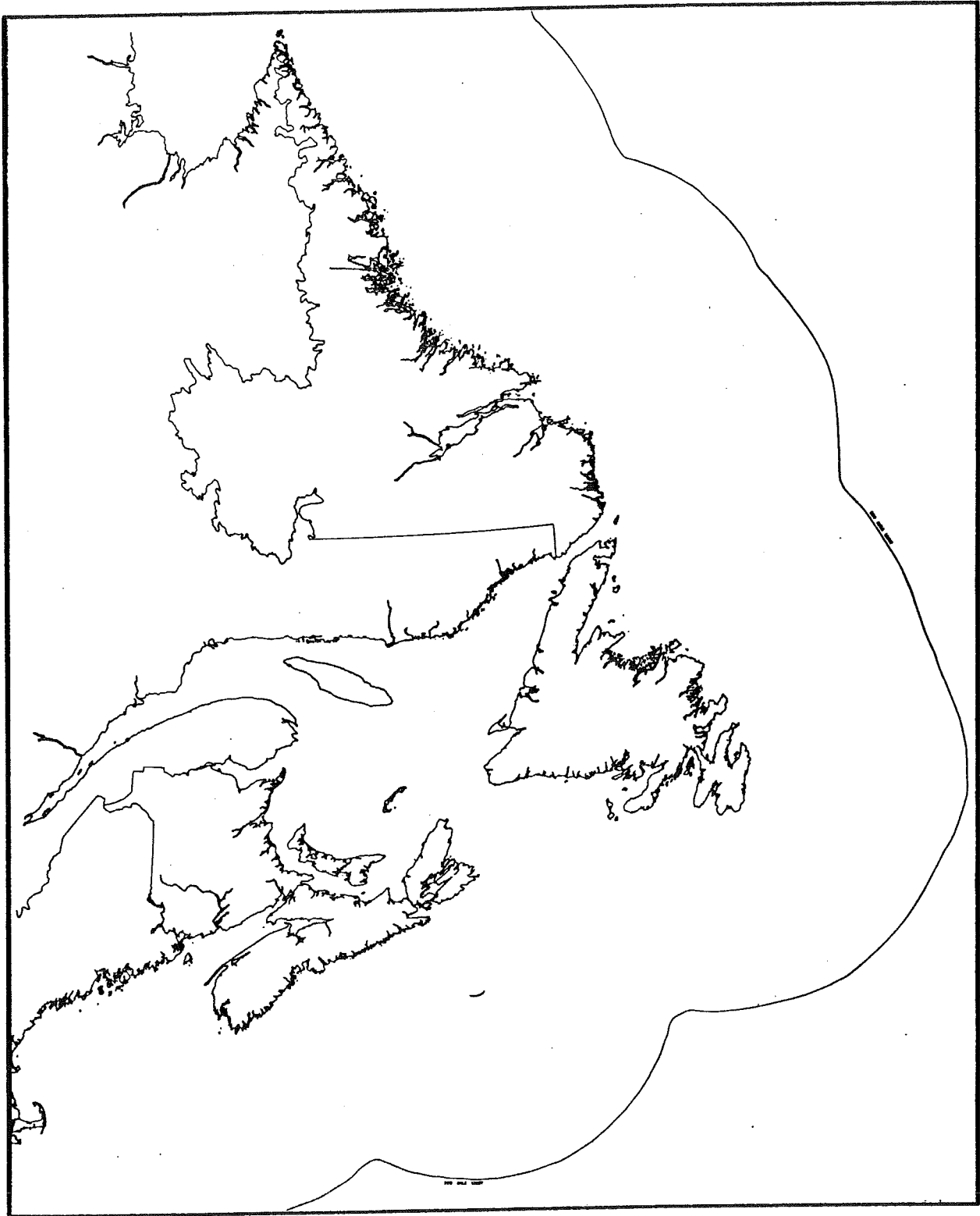


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Labrador Mapping Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Consists of five files for surveys in the Grenville Province, Ashuanipi Complex and Uqjoktok River areas. Each file contains field and analytical data for all rock samples collected between 1978 and 1988 during studies in Labrador.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1978 to 1988
8. **Format:**
Digital: Point data flat file on 9 Track tape and Floppy disk
9. **Data Types/Parameters Measured:**
Rock geochemistry
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
537 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

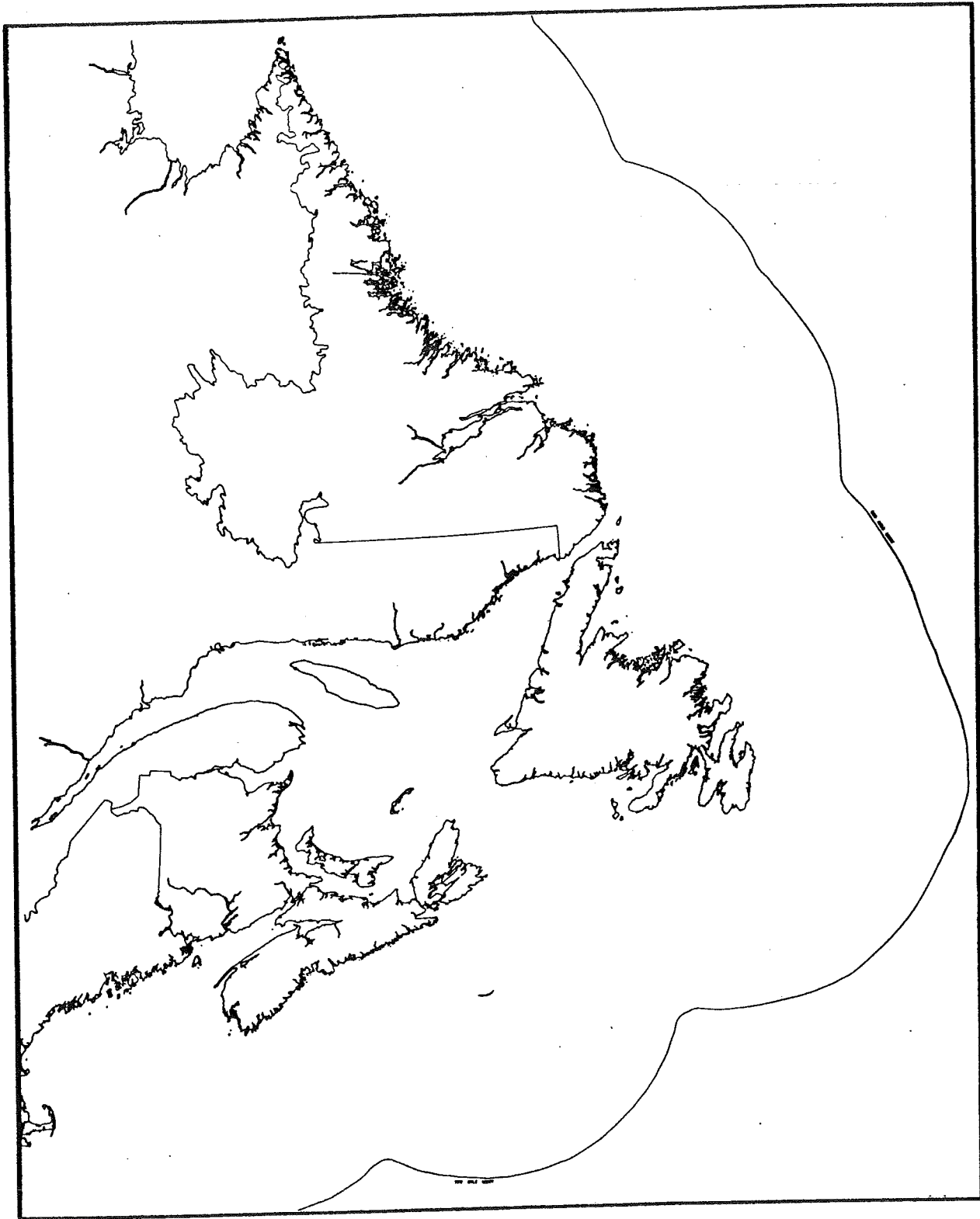


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Labrador Quaternary Geochem Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains both field and analytical data from four areas of detailed sampling of tills and soils in Labrador. These areas are Letitia Lake, Melody Lake, Moran Lake and Strange Lake.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1984
Updated in 1988
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
9. **Data Types/Parameters Measured:**
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
700 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

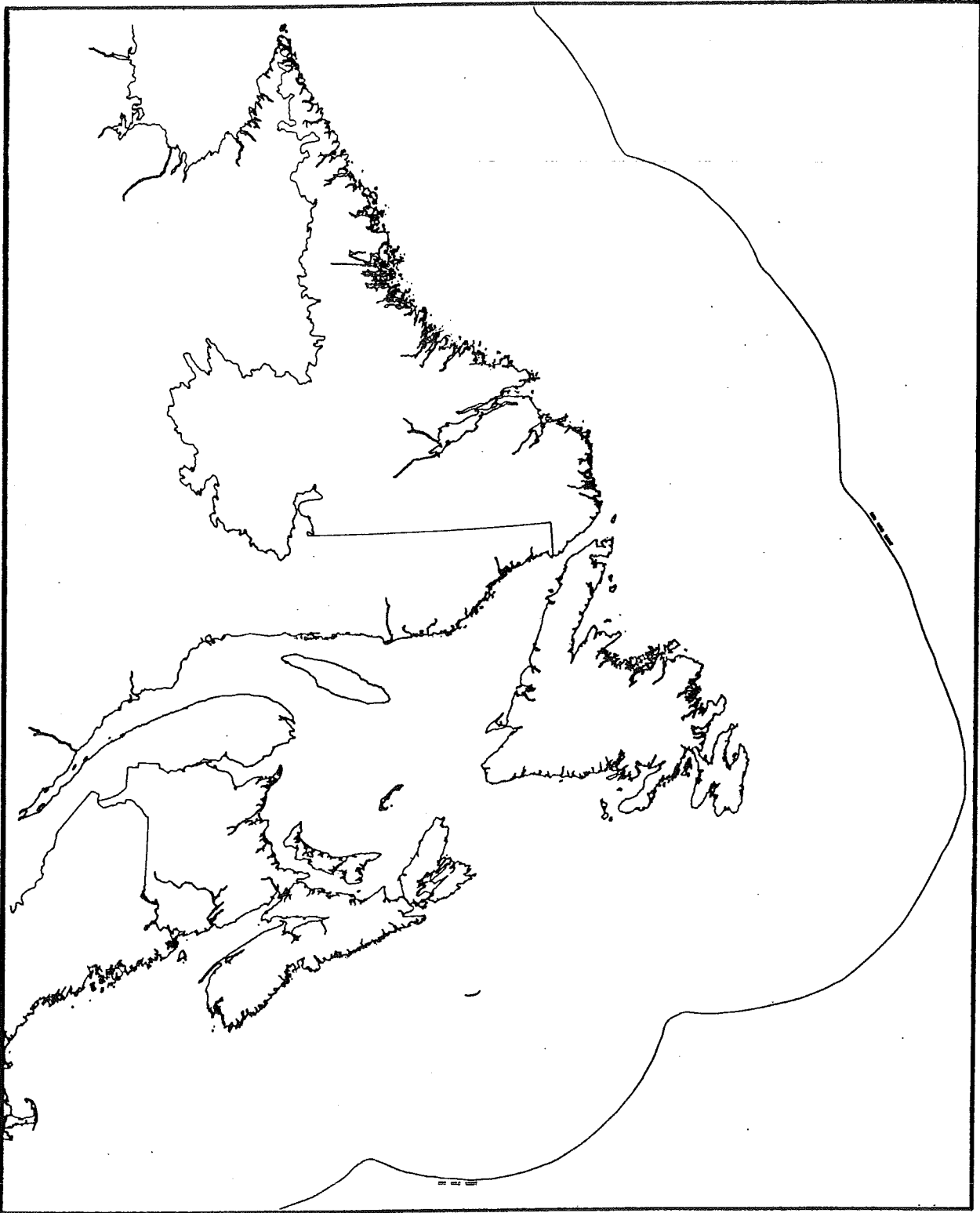


17. Signature: Not signed

Date: March 23, 1992

1. **Database Title: Labrador Soil Survey (1) Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains both field and analytical data for soil sample survey in western Labrador, near Sawbill Lake. (See Labrador Soil Survey 2, 3, and 4).
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access is restricted.
5. **Geographical Coverage/Scale:**
Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1986
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Soil
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
300 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

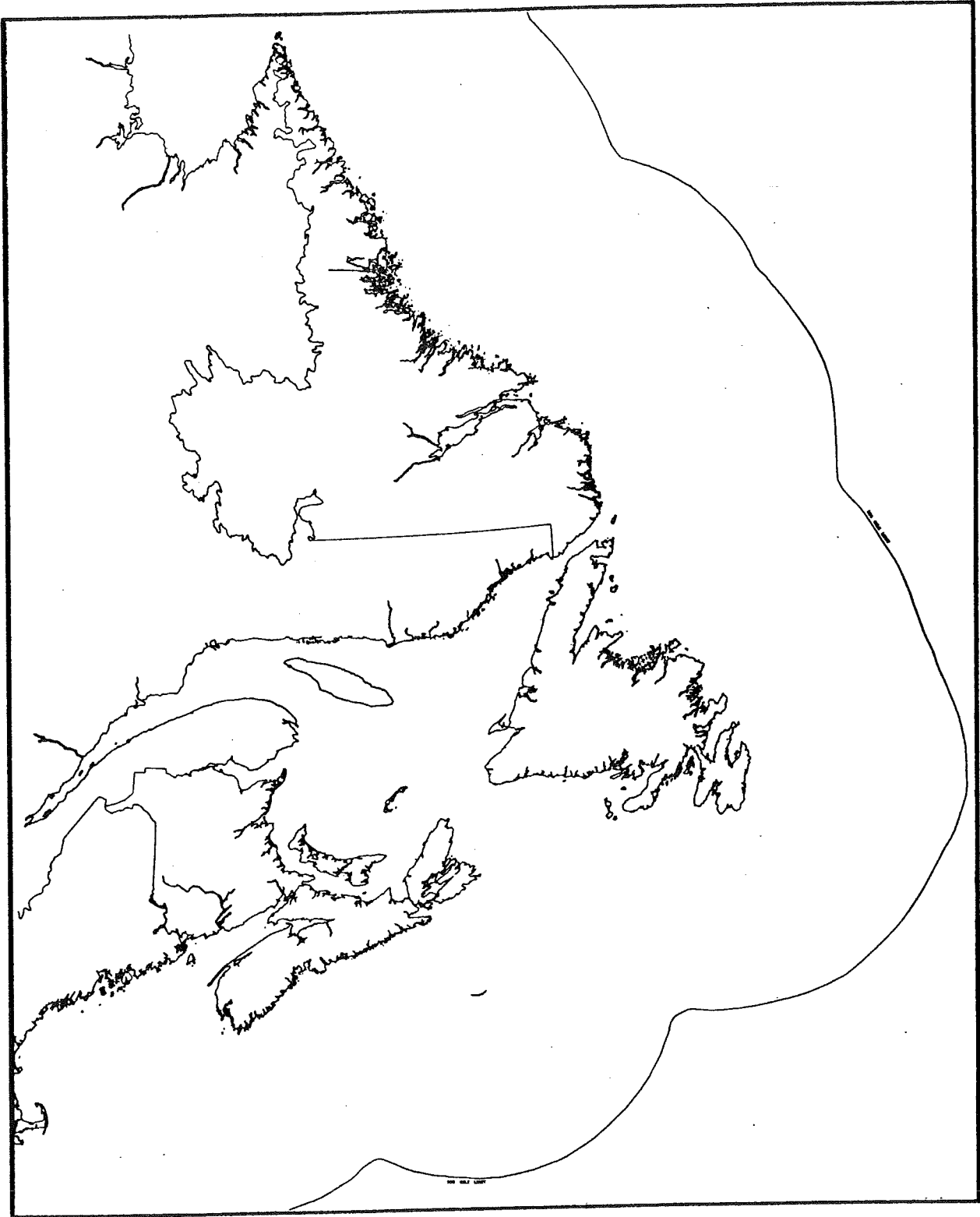


17. Signature: Not signed

Date: March 13, 1992

1. **Database Title: Labrador Soil Survey (2) Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains both field and analytical data for a soil sample survey in western Labrador. These samples were collected from a grid west of Howell's River in the Kivivic Lake area.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access is restricted.
5. **Geographical Coverage/Scale:**
Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1986
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Soil sampling
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
104 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

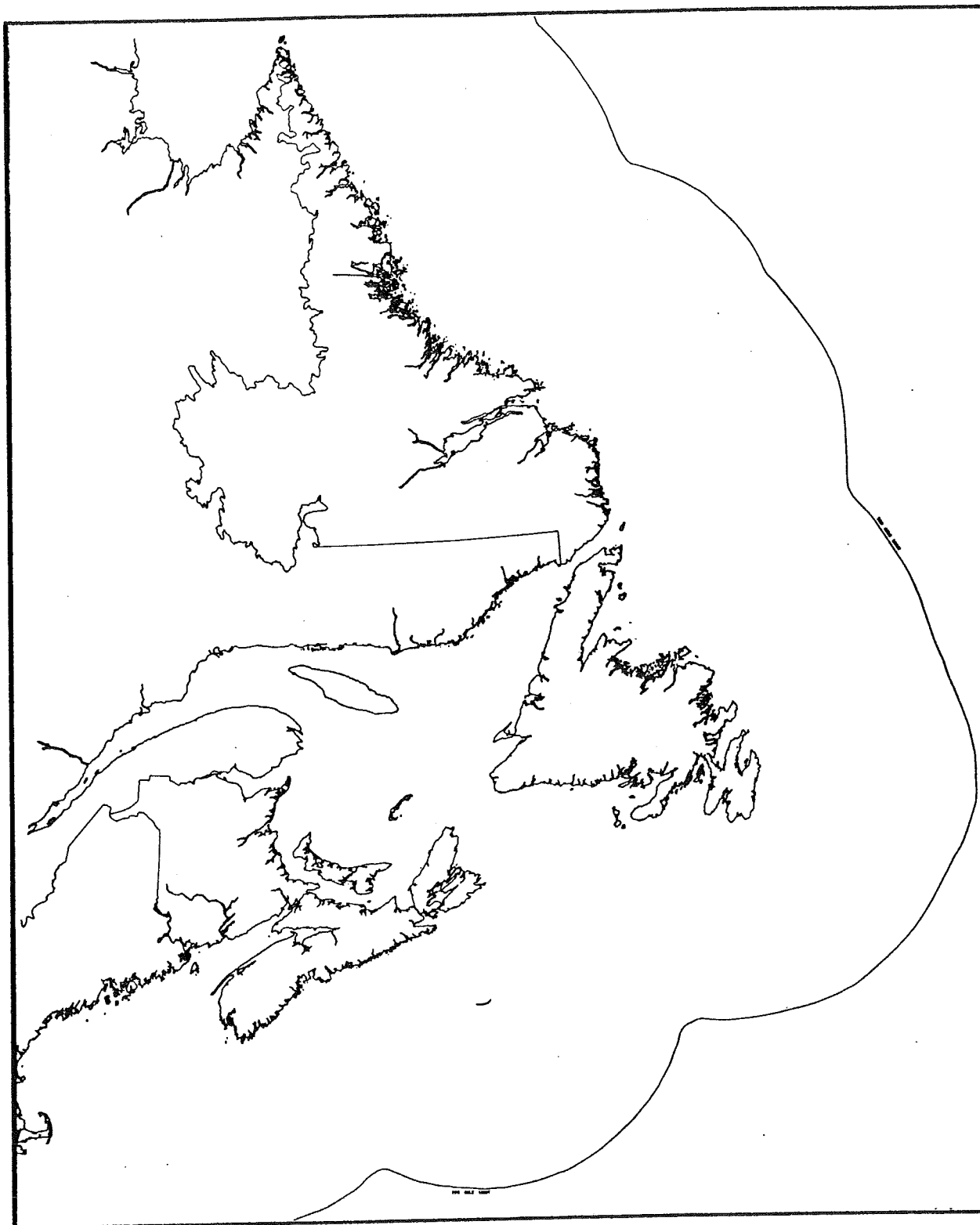


17. Signature: Not signed

Date: March 13, 1992

1. **Database Title: Labrador Soil Survey (3) Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains field and analytical data for a soil sample survey from Western Labrador. The samples were collected from a grid east of Schefferville, Québec, near Iron Arm. The initial grid and sampling was conducted in 1981 and was extended to the north and south in 1985 when additional samples were collected. Geophysical data and rock samples were also collected.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1981 to 1985
Updated in 1986
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Soil survey data
10. **Sampling Procedures:**
Plot
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
104 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

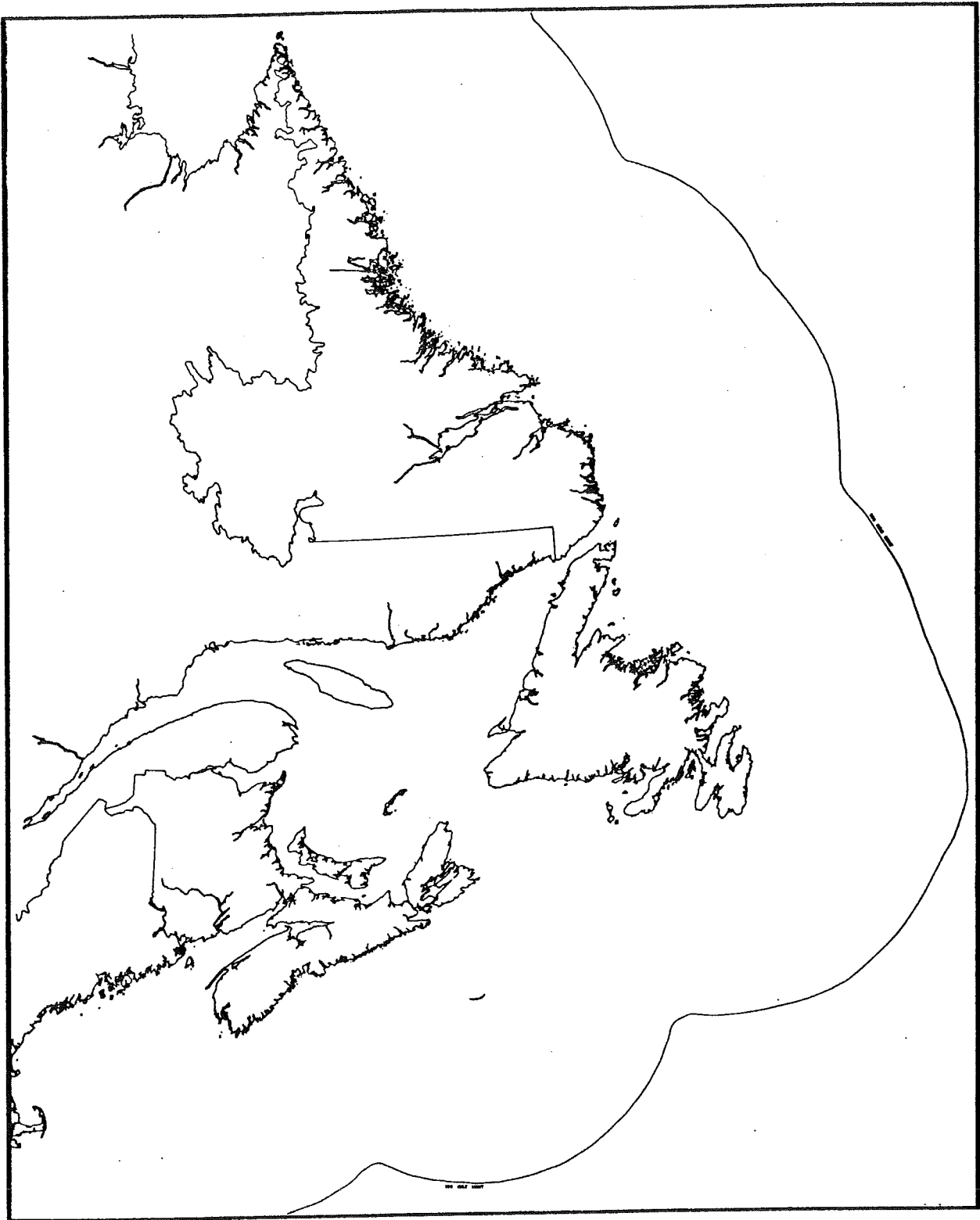


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Labrador Soil Survey (4) Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains both field and analytical data from a series of detailed surveys in the Labrador area; some of these data are available as open files, some are restricted.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access is restricted.
5. **Geographical Coverage/Scale:**
Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1978
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Soil survey
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

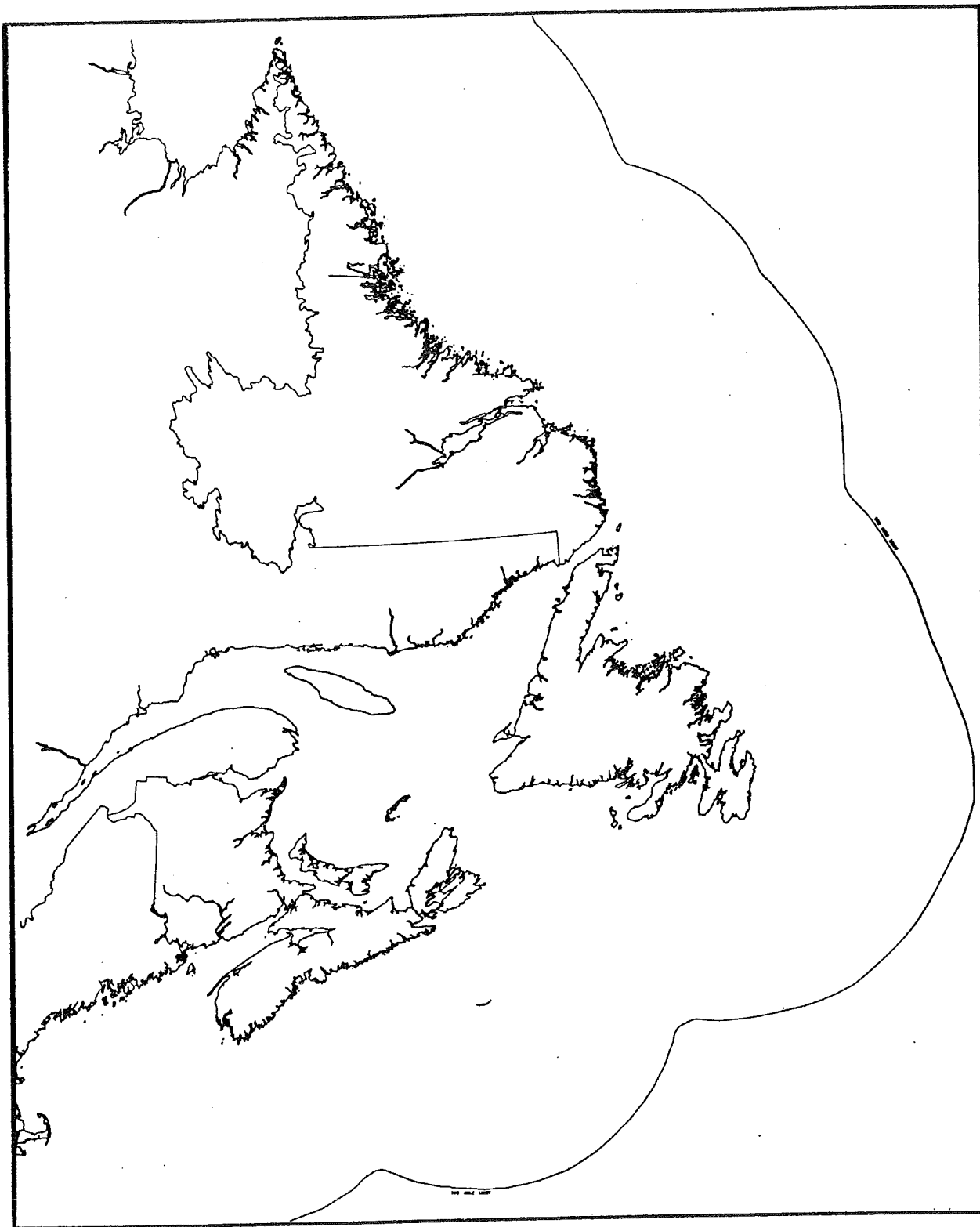


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Labrador Stream Sediment Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains both field and analytical data for stream sediment samples collected in northern Labrador, as part of the National Geochemical Reconnaissance Program (NGR). Samples were collected north of latitude 68.5 degrees North.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1986
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Stream sediments
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
300 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

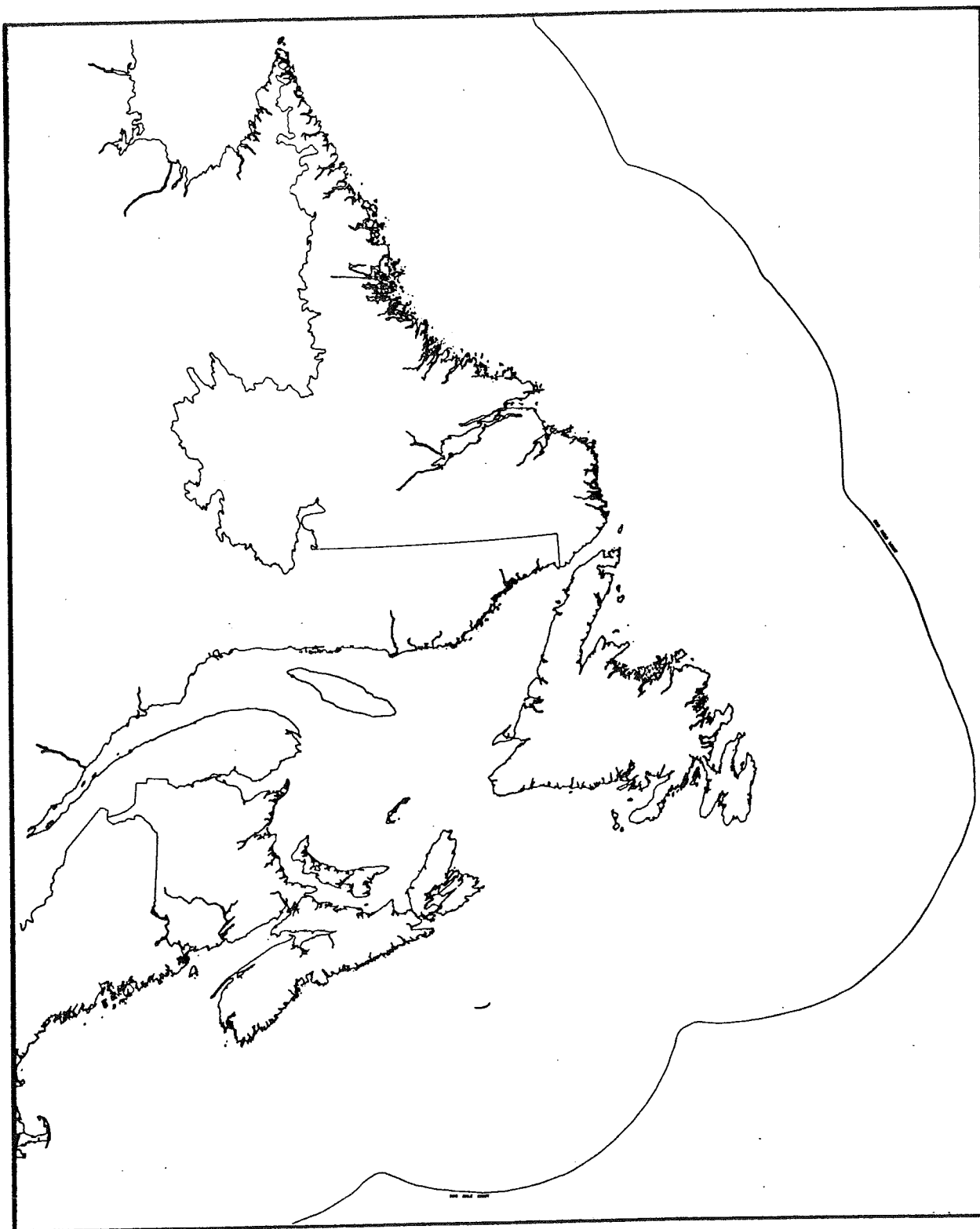


17. **Signature:** Not signed

Date: March 13, 1992

1. **Database Title: Lake Melville Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains data collected by GSC in the Lake Melville area of Labrador.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Labrador
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1983 to 1984
Updated in 1984
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
115 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

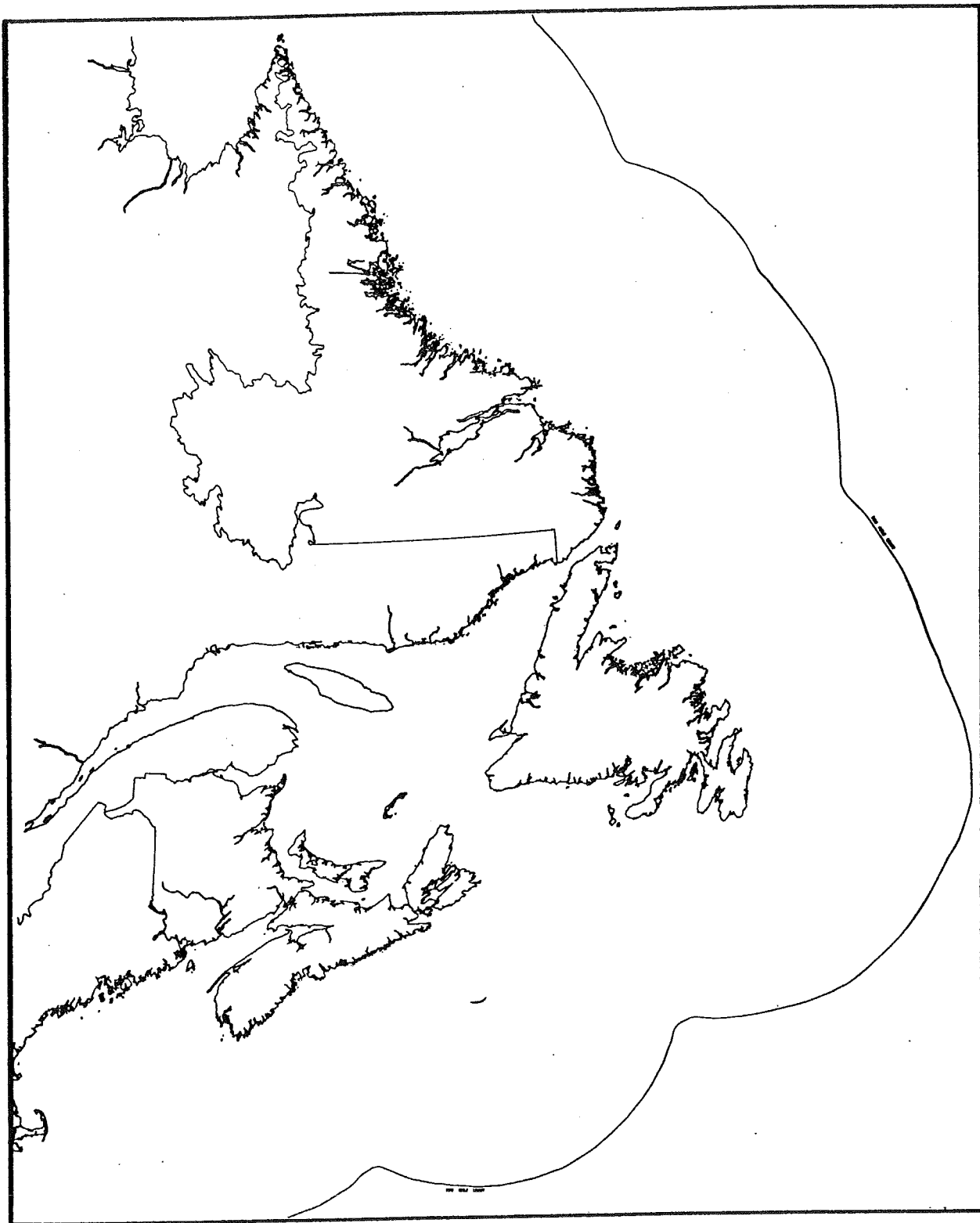


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Litho geochemistry (Volcanic) Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Presently consists of three files from three areas of central Newfoundland. These areas are (1) Baie Verte Peninsula (Hibbard); the (2) Lushes Bight Group; and the (3) Victoria Lake Group (Kean).
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Central Region of Newfoundland
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1976 to 1989
Updated in 1989
8. **Format:**
Digital: Point data flat file on Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Volcanics
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP Vectra
Operating system: MS DOS
Software: R:Base
15. **Comments:**

16. Map indicating areas of data holdings:



17. Signature: Not signed

Date: March 18, 1992

1. **Database Title: Newfoundland Beach Permit Information Database**
2. **Contact Person:**
Fred Kirby
Project Geologist, Mineral Resource Branch
Newfoundland Department of Mines and Energy
West Block, Confederation Building
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-6447; Fax (709) 729-6782
3. **Purpose:**
Contains information on the inventory of beaches on insular Nfld. The data are used to monitor the removal of material from beaches on a per permit or total removal basis. These data are collected on an ongoing basis in coordination with other projects and inspections.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access is restricted.
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1990 -
Updated in 1991
8. **Format:**
Digital: Point data flat file and REFLEX on Floppy disk
9. **Data Types/Parameters Measured:**
Key info about elevation and composition of the beach.
10. **Sampling Procedures:**
11. **Program Type:**
Monitoring, research and surveys
12. **Size/Growth:**
1 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM compatible
Operating system: MS DOS
Software: REFLEX
15. **Comments:**

16. Map indicating areas of data holdings:

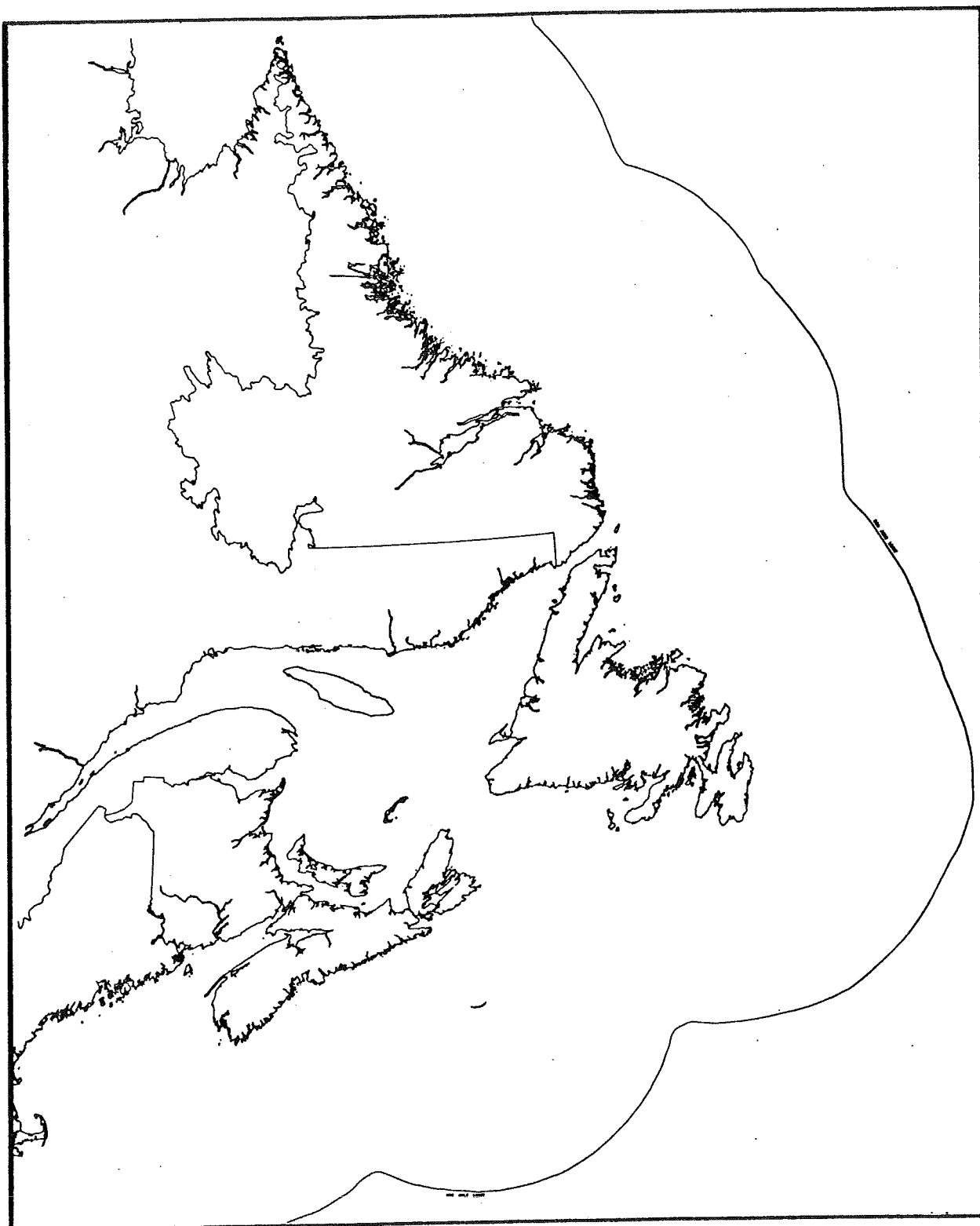


17. Signature: Not signed

Date: March 20, 1992

1. **Database Title: Newfoundland Bedrock Aggregate Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains the bedrock aggregate samples collected along the road networks east of Deer Lake, Nfld. It contains information on potential aggregate quarry sites near major centres and roads.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access is restricted.
5. **Geographical Coverage/Scale:**
Central and Eastern Regions of Newfoundland
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1989
Updated in 1990
8. **Format:**
Digital: Point data flat file and REFLEX on Floppy disk
9. **Data Types/Parameters Measured:**
Quarry site
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
250 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP Vectra
Operating system: MS DOS
Software: REFLEX
15. **Comments:**

16. Map Indicating areas of data holdings:

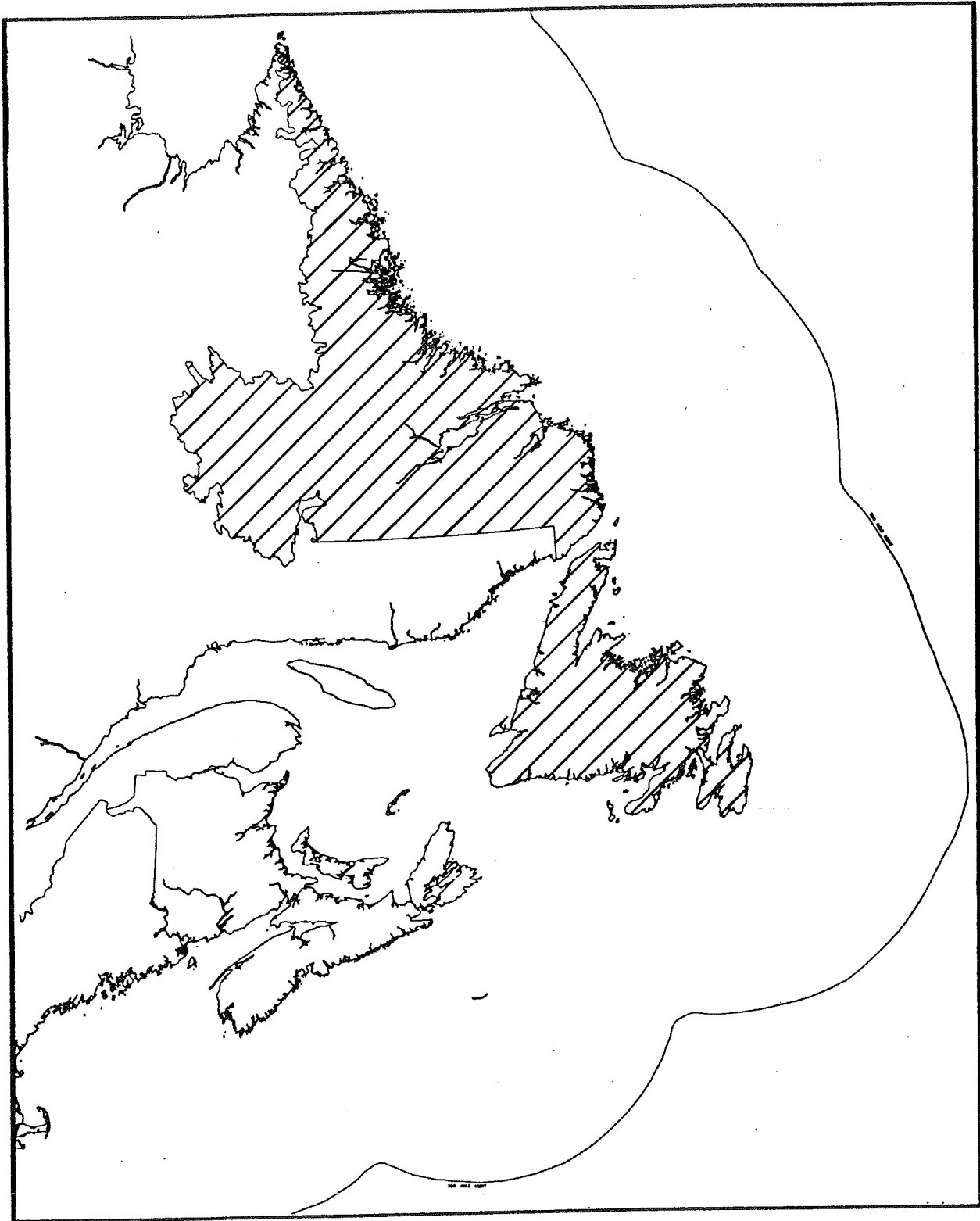


17. Signature: Not signed

Date: March 20, 1992

1. **Database Title: Newfoundland Carbon14 Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Records the Carbon14 radio age dates for samples collected within the province. The GSC dated material is included. The information contained includes site location, site number, date, elevation, collector and material type. Archaeological dates are not currently included in this database.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland and Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1987
Updated in 1990
8. **Format:**
Digital: Point data flat file and REFLEX on Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Carbon14
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
100 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP Vectra
Operating system: MS DOS
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

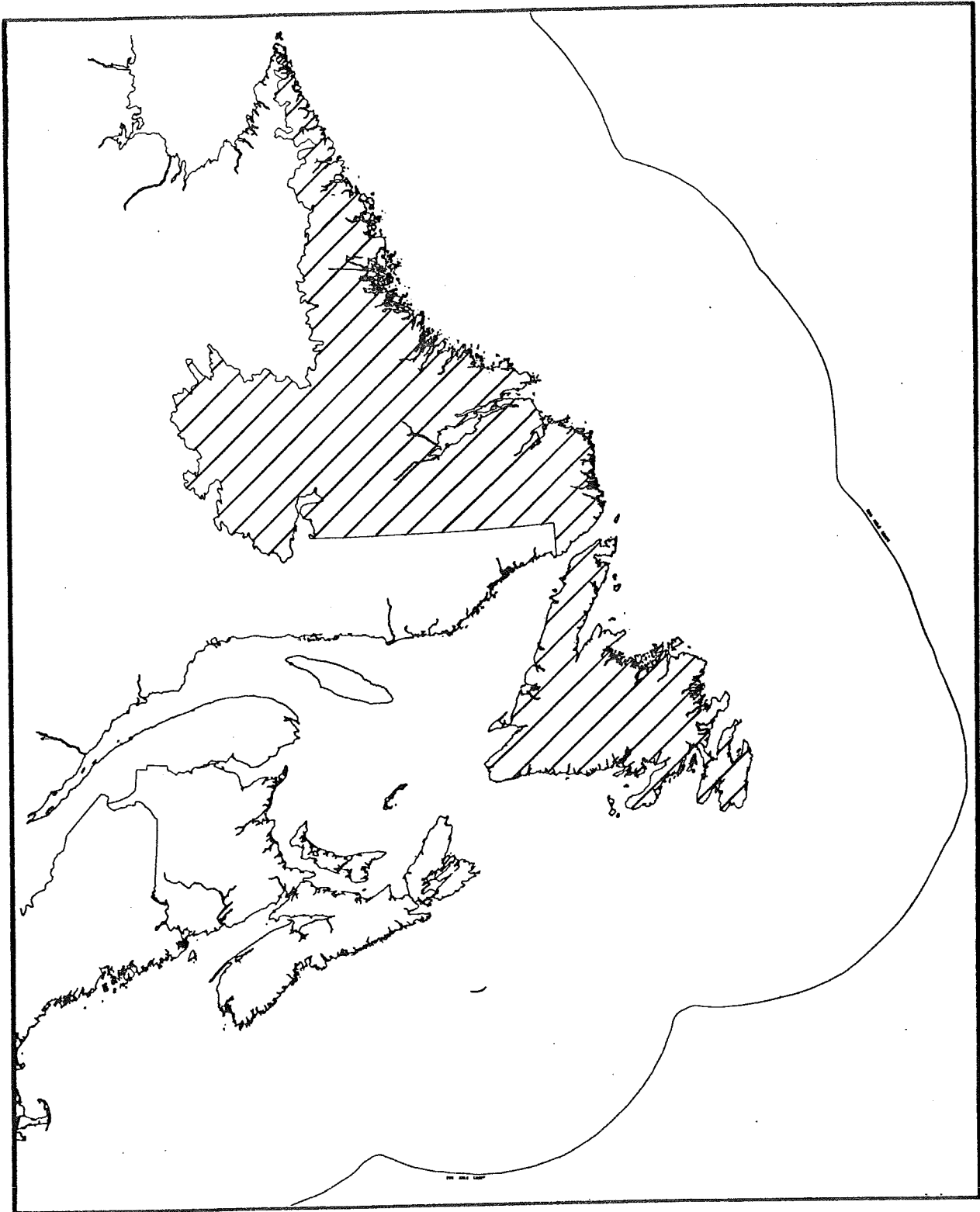


17. Signature: Not signed

Date: March 23, 1992

1. **Database Title: Newfoundland Drill Core Assay Database**
2. **Contact Person:**
Alvin Harris
Project Geologist, Mineral Resource Branch
Newfoundland Department of Mines and Energy
West Block, Confederation Building
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 792-5833; Fax (709) 729-6782
3. **Purpose:**
Compliments the Drill Core Index Database and includes summaries of assays performed on drill core samples in storage libraries owned by the Nfld Department of Mines and Energy.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland and Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1976
Updated in 1990
8. **Format:**
Digital: Point data flat file on Floppy disk
9. **Data Types/Parameters Measured:**
Drill core assay
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
188 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM compatible
Operating system: MS DOS
Software: REFLEX
15. **Comments:**
This database has been discontinued.

16. Map indicating areas of data holdings:

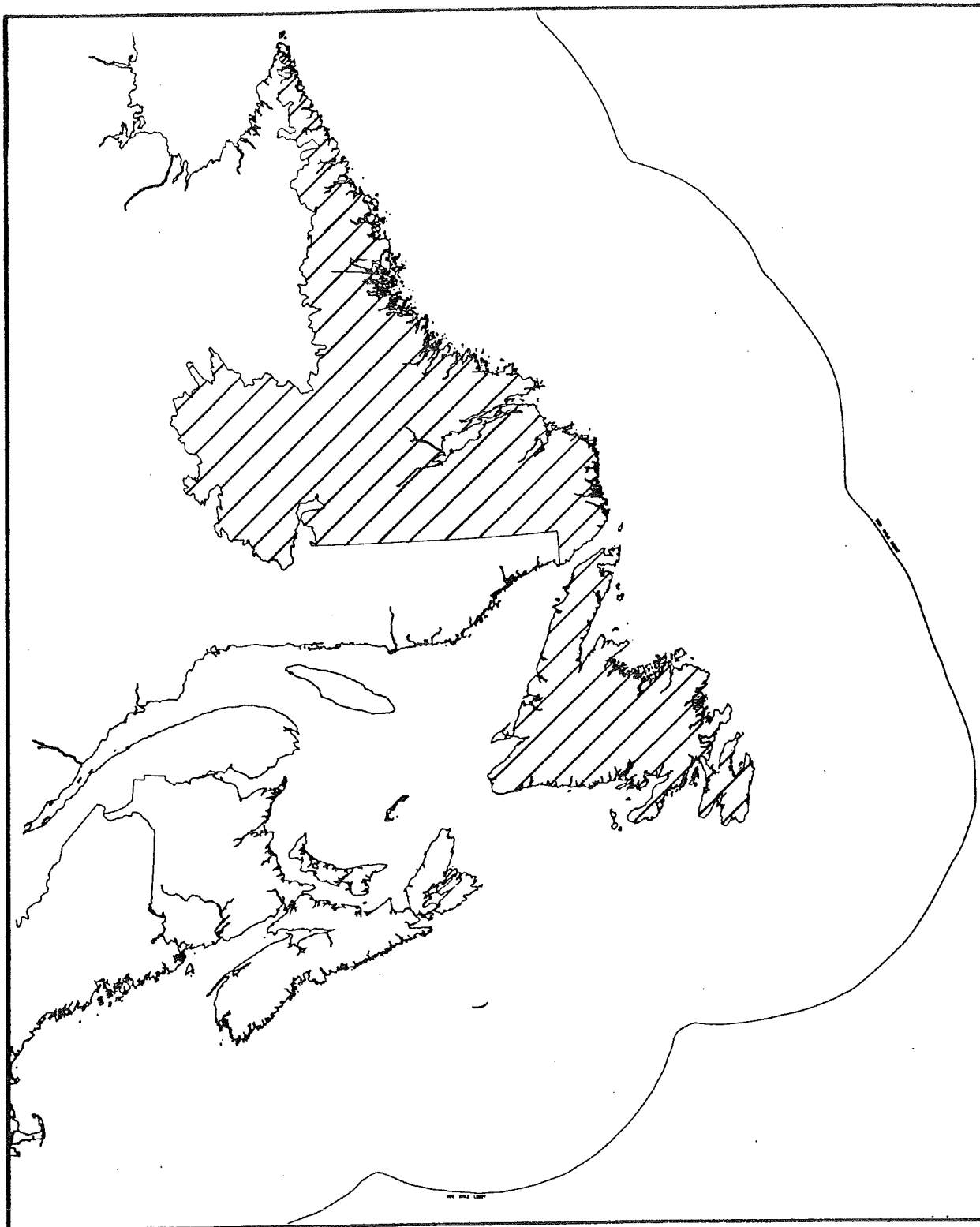


17. Signature: Not signed

Date: March 23, 1992

1. **Database Title:** Newfoundland Drill Core Index
2. **Contact Person:**
Alvin Harris
Project Geologist, Mineral Resource Branch
Newfoundland Department of Mines and Energy
West Block, Confederation Building
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 792-5833; Fax (709) 729-6782
3. **Purpose:**
Contains information on all drill core in the Nfld Department of Mines and Energy core storage libraries and contains core from most diamond drill programs conducted in the province.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland and Labrador
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1976
Updated in 1991
8. **Format:**
Digital: Point data flat file and REFLEX on Floppy disk
9. **Data Types/Parameters Measured:**
Drill core data: Hole location, length, inclination, size of core, storage site and rack location.
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
550 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM Compatible PC
Operating system: MS DOS
Software: REFLEX
15. **Comments:**

16. Map indicating areas of data holdings:

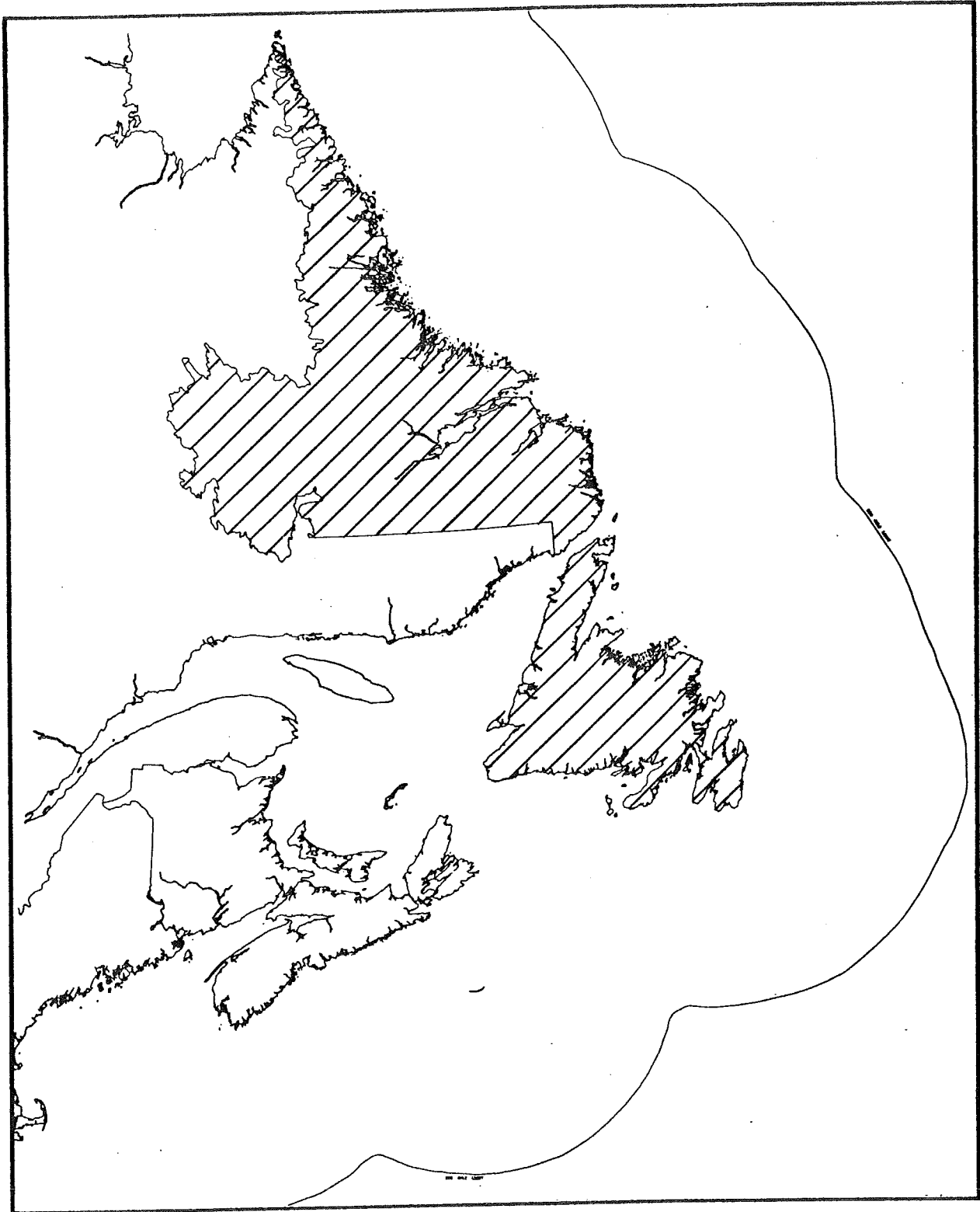


17. Signature: Not signed

Date: March 23, 1992

1. **Database Title: Newfoundland Drill Core Pulps Database**
2. **Contact Person:**
Alvin Harris
Project Geologist, Mineral Resource Branch
Newfoundland Department of Mines and Energy
West Block, Confederation Building
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 792-5833; Fax (709) 729-6782
3. **Purpose:**
Complements the Drill Core Index Databases and the Drill Core Assay Database. It includes a list of core material which have been sampled and pulverized for analysis. It is stored and available for reanalysis.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland and Labrador
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1976
Updated in 1990
8. **Format:**
Digital: Point data flat file and REFLEX on Floppy disk
9. **Data Types/Parameters Measured:**
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
98 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM compatible PC
Operating system: MS DOS
Software: REFLEX
15. **Comments:**

16. Map Indicating areas of data holdings:

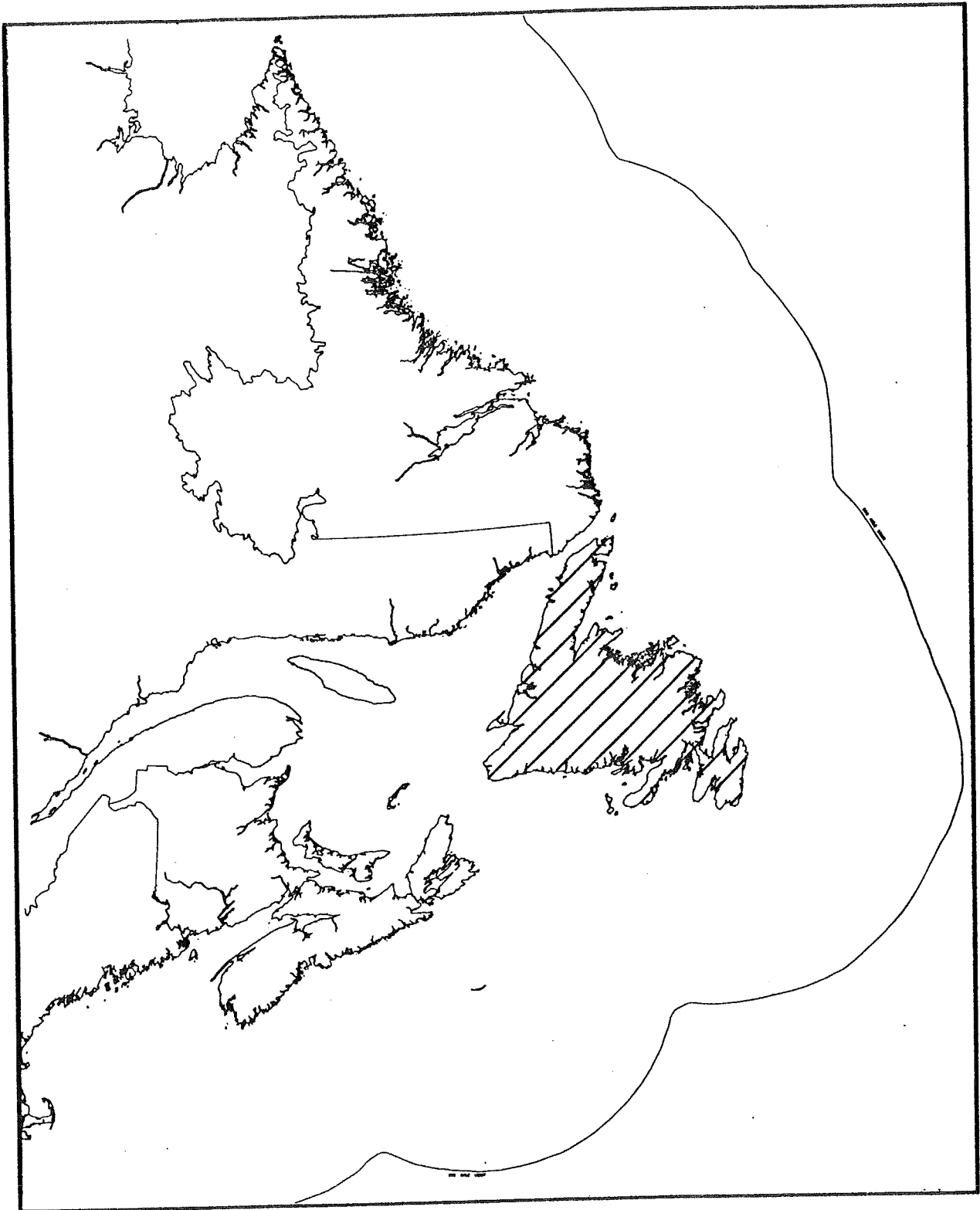


17. Signature: Not signed

Date: March 23, 1992

1. **Database Title: Newfoundland Geochronology Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Compilation of over 500 isotopic determinations for the island of Newfoundland.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1988 to 1989
Updated in 1989
8. **Format:**
Digital: Point data flat file and REFLEX on Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
All of the dates in the public domain, whether published or unpublished, are included. Each date is presented as a single record with supplementary information such as: major unit, author, sample location, rock type and interpretation.
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
400 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP Vectra
Operating system: MS DOS
Software: Double Helix
15. **Comments:**

16. Map indicating areas of data holdings:

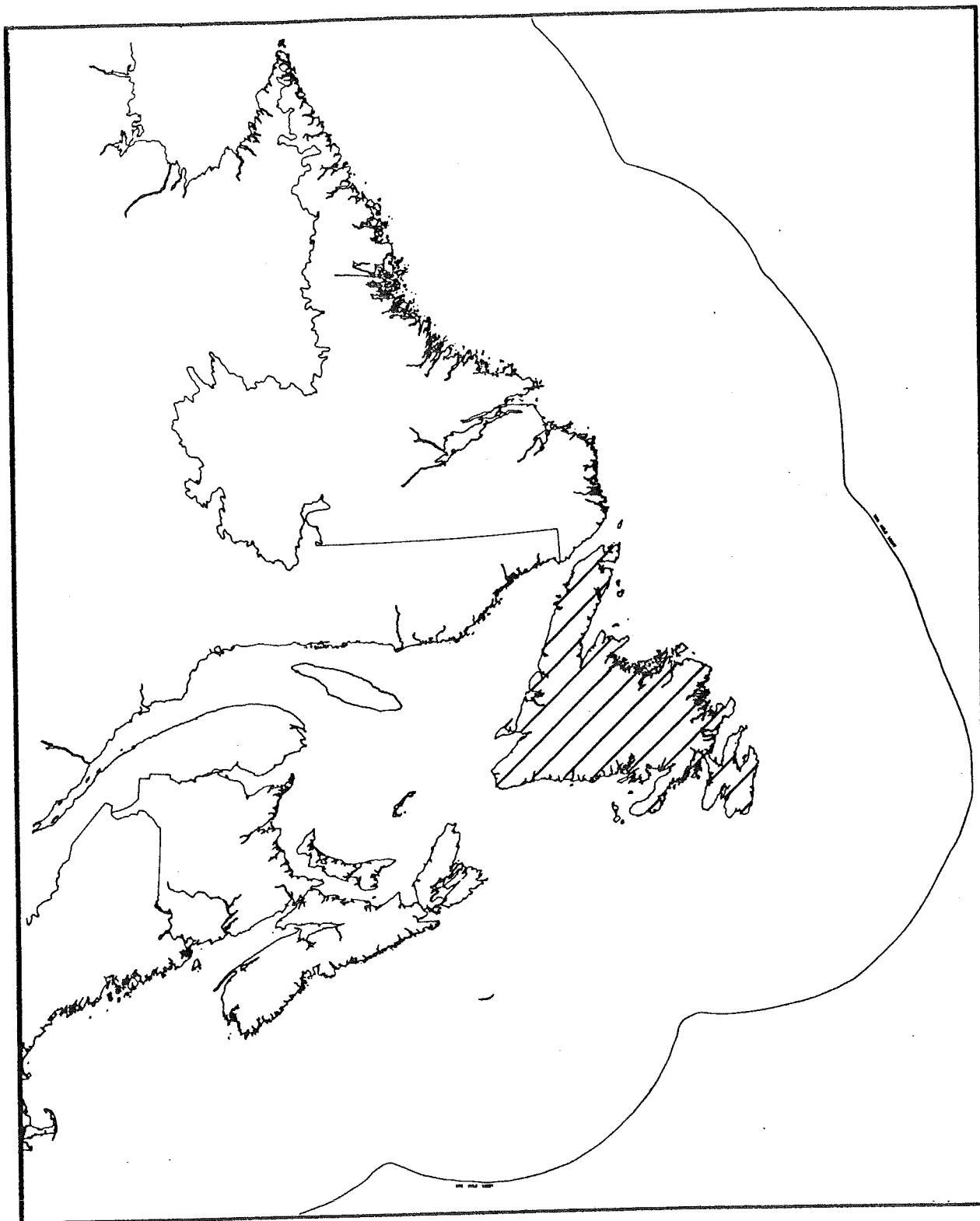


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Newfoundland Lake Sediment Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
PO Box 8700
95 Bonaventure Avenue
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains field observations and analytical results of lake centre bottom samples collected between 1973 and 1983.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator
7. **Period of Record/Update Frequency:**
1973 to 1983
Updated in 1992
8. **Format:**
Digital: Point data flat file on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
7.4 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM Vectra mainframe
Operating system: MS DOS
Software:
15. **Comments:**
The data were collected from approximately 18,000 lakes. Reanalyses is ongoing to increase the analytical information. All insular Nfld is covered at a density of 1 sample per 7 kilometre square. No samples were collected within boundaries of national parks.

16. Map indicating areas of data holdings:

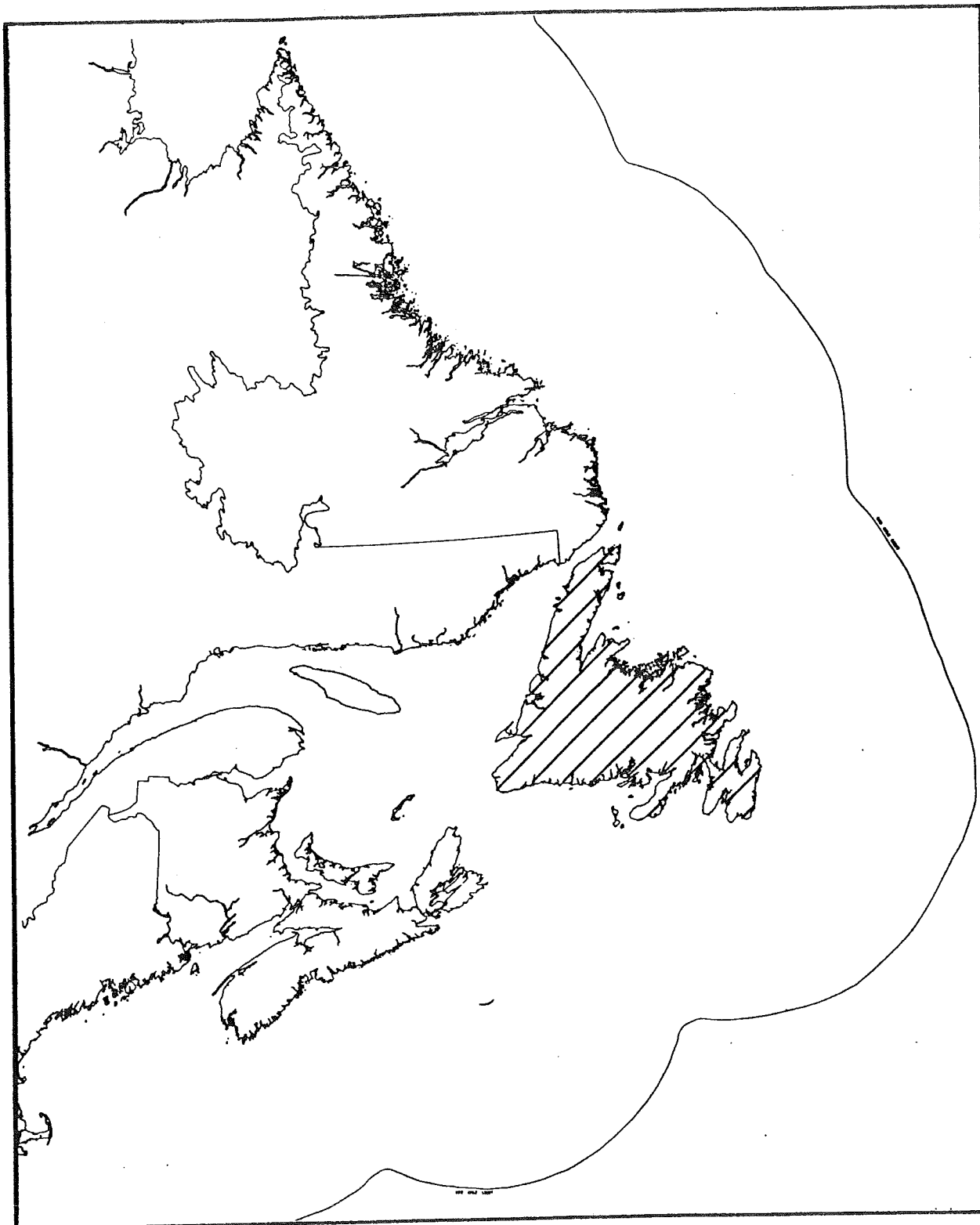


17. Signature: Not signed

Date: March 13, 1992

1. **Database Title: Newfoundland Litho geochemistry - Granite**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains field and analytical data collected by project geologists since 1972.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1972 to 1989
Updated in 1989
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Granite
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
2.5 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

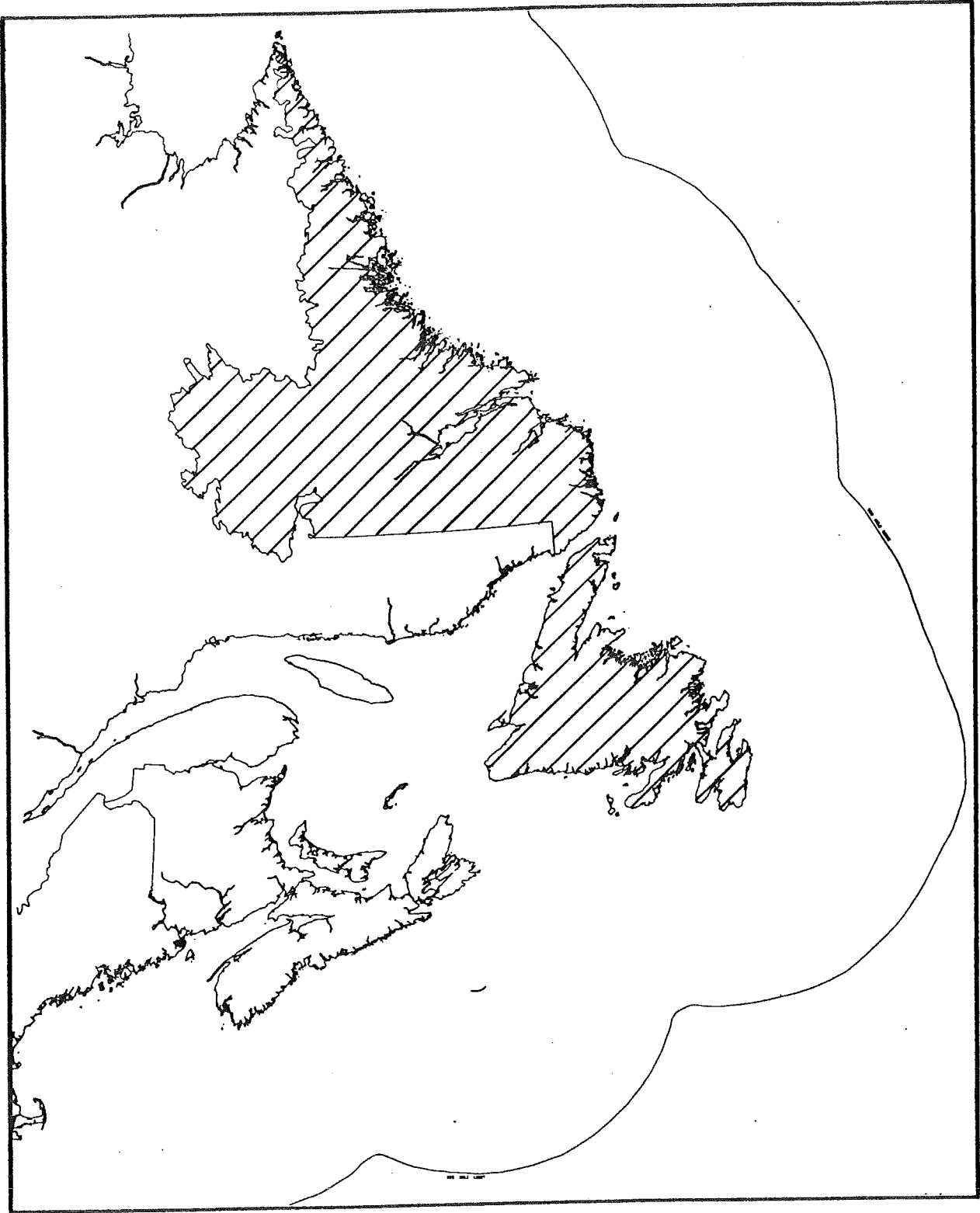


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Newfoundland Mineral Occurrence Data System 1 (MODS)**
2. **Contact Person:**
Greg Stapleton
Geologist
Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-6071; Fax (709) 729-3493
3. **Purpose:**
Inventory of most mineral occurrences in Newfoundland and Labrador. This database summarizes the information of the MODS (Part 2) database.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1972 to 1990
Updated in 1990
8. **Format:**
Digital: Point data flat file on Floppy disk
9. **Data Types/Parameters Measured:**
Includes information on the location, mineralization, chemical analyses, grades, tonnage, land tenure and exploration history of each recorded occurrence.
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
4 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM compatible
Operating system: MS DOS
Software: R:Base
15. **Comments:**

16. **Map Indicating areas of data holdings:**

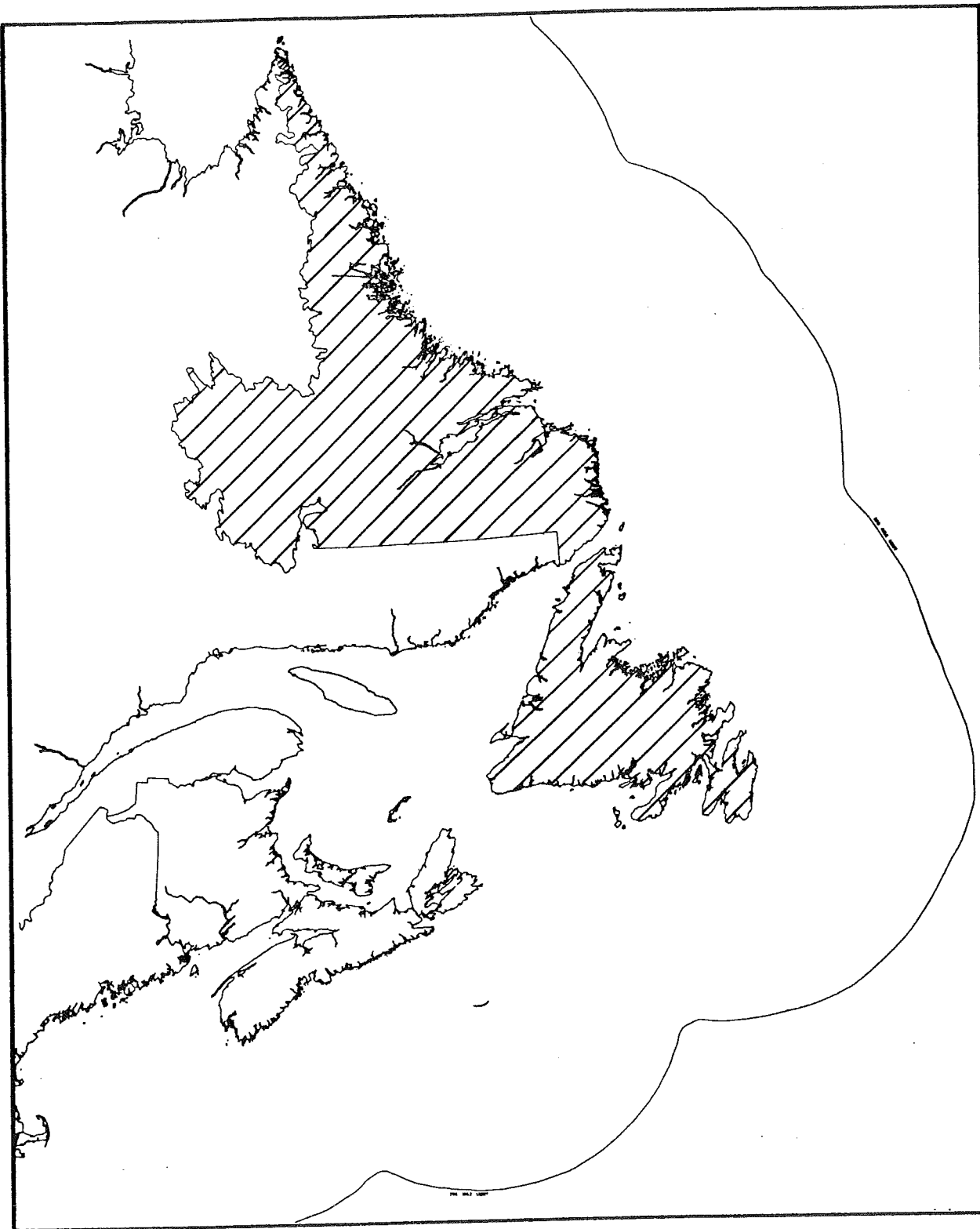


17. **Signature:** Not signed

Date: March 18, 1992

1. **Database Title: Newfoundland Mineral Occurrence Data System 2 (MODS)**
2. **Contact Person:**
Greg Stapleton
Geologist, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-6071; Fax (709) 729-3493
3. **Purpose:**
Inventory of most mineral occurrences in Newfoundland and Labrador. This is a more detailed version of the information in the MODS (Part 1) database.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland and Labrador
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1972 to 1990
Updated in 1990
8. **Format:**
Digital: Point data flat file on Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Includes information on the location, mineralization, chemical analyses, grades, tonnage, land tenure and exploration history of each recorded occurrence.
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
90 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM compatible
Operating system: MS DOS
Software:
15. **Comments:**
These data are currently stored as paper copies and on floppy disk using WordPerfect v5.1.

16. Map indicating areas of data holdings:

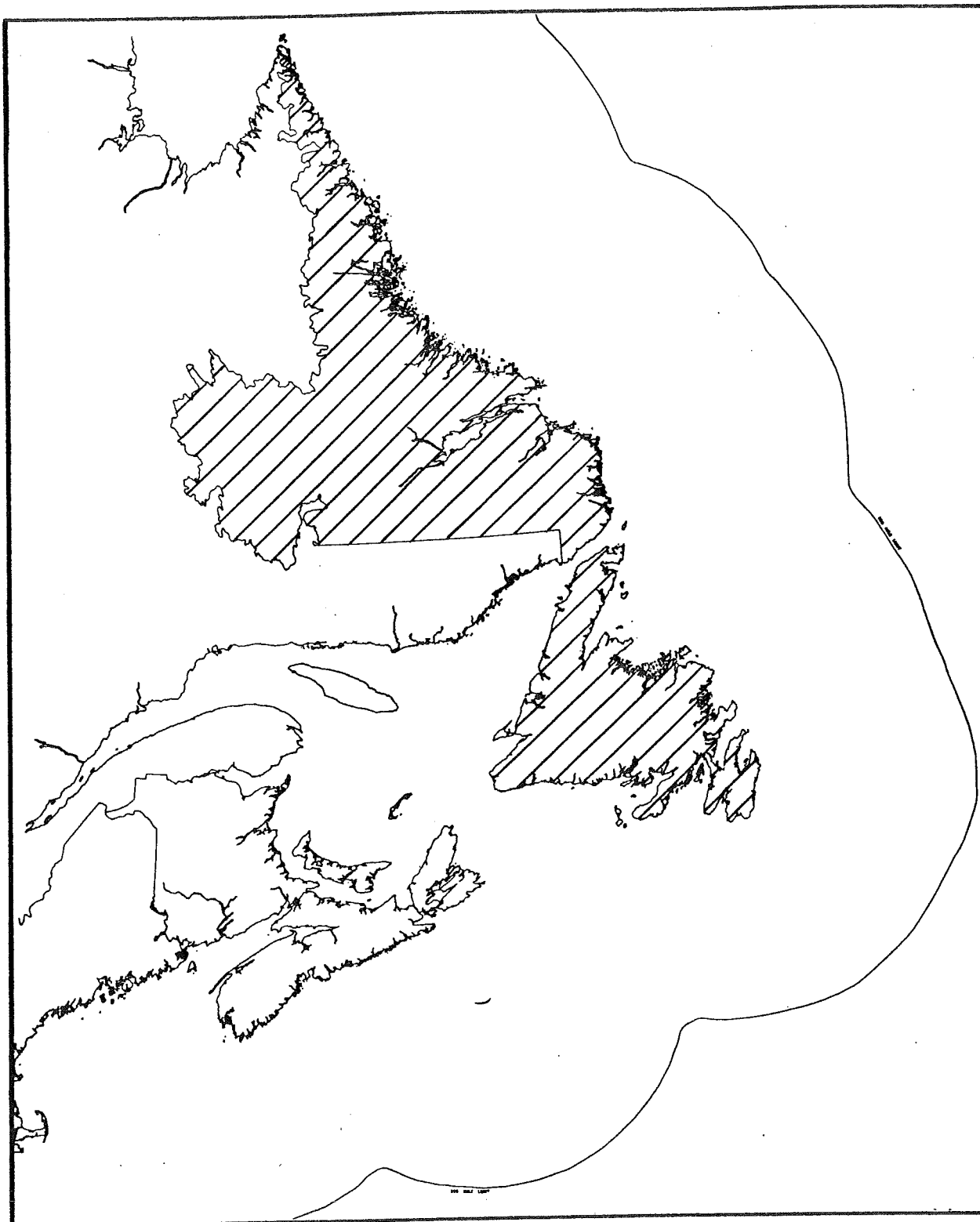


17. Signature: Not signed

Date: March 18, 1992

1. **Database Title: Newfoundland Mineral Rights Database**
2. **Contact Person:**
Noel Gover
Mineral Rights Manager
Mineral Resource Branch
Newfoundland Department of Mines and Energy
West Block, Confederation Building
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-6418; Fax (709) 729-6782
3. **Purpose:**
Contains all the current information used to record a mineral claim in Newfoundland.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access is restricted.
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland and Labrador
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Updated in 1992
8. **Format:**
9. **Data Types/Parameters Measured:**
Mineral claims
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM compatible
Operating system: MS DOS
Software: dBASE
15. **Comments:**

16. Map Indicating areas of data holdings:

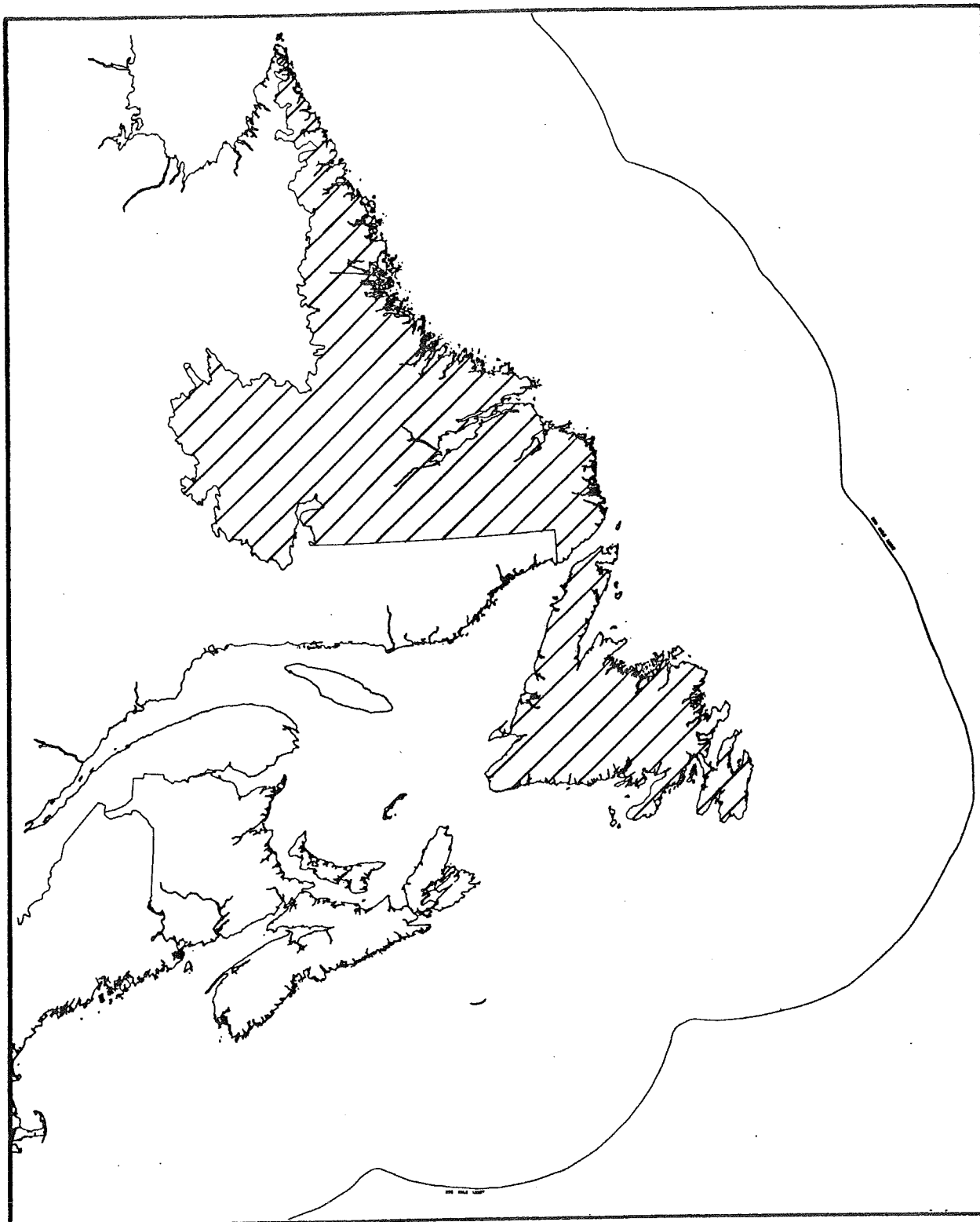


17. Signature: Not signed

Date: March 23, 1992

1. **Database Title: Newfoundland Quaternary Mapping Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Database is relational and consists of a discreet data file for each of the mapping projects of the Terrain Sciences Section. It contains site data collected by mappers beginning in 1987.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access is restricted.
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland and Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1987 -
Updated in 1991
8. **Format:**
Digital: Point data flat file and Double Helix on Floppy disk
9. **Data Types/Parameters Measured:**
Site information, striations and sediment type, and ice flow directions.
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
2.5 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Mac
Operating system:
Software: Double Helix
15. **Comments:**

16. Map indicating areas of data holdings:

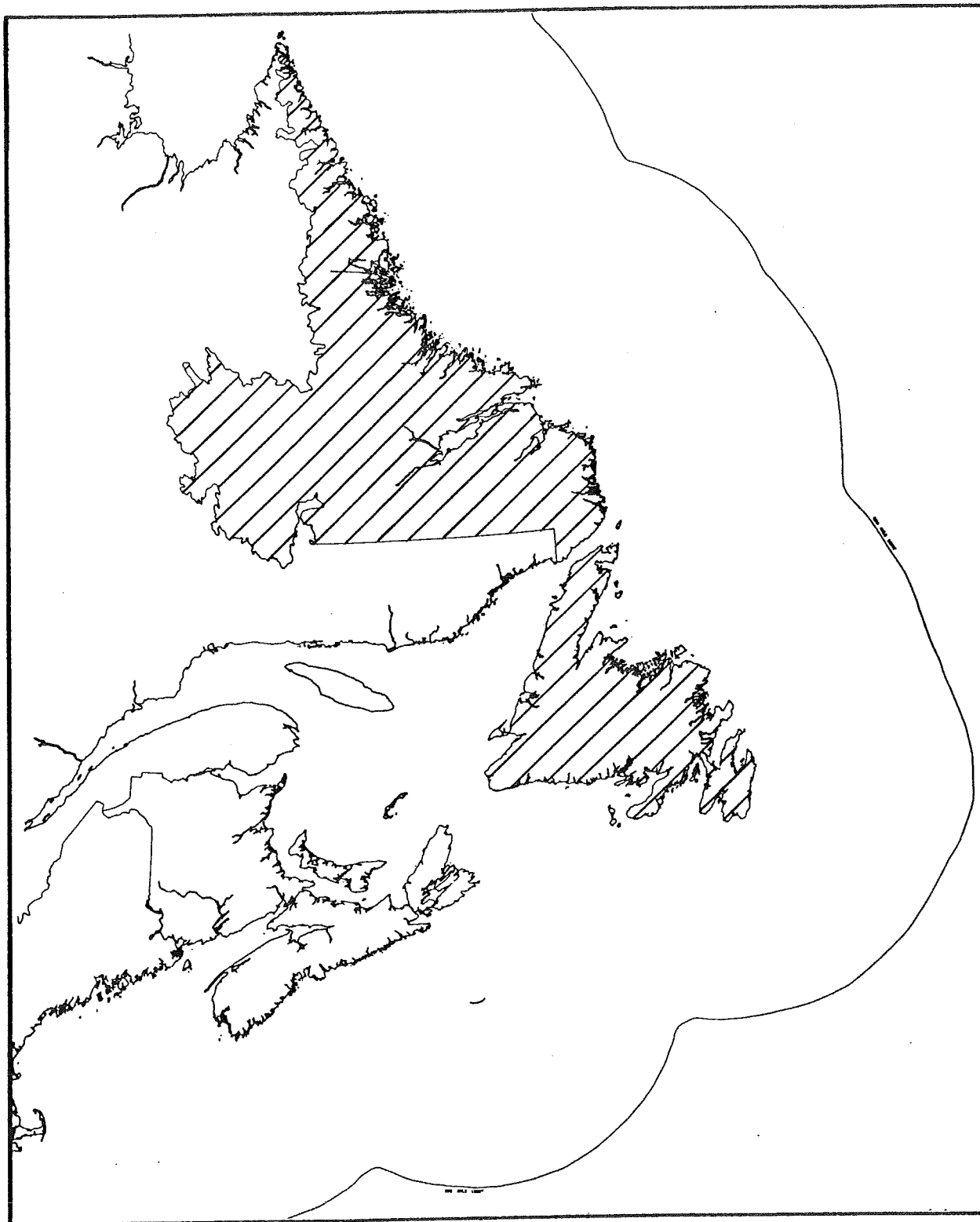


17. Signature: Not signed

Date: March 23, 1992

1. **Database Title: Newfoundland Sand and Gravel Aggregate Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains information about the sand and gravel resources of the province. The database is divided into 194 files based on the National Topographic System for the area.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland and Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1978 to 1990
Updated in 1990
8. **Format:**
Digital: Point data flat file on Floppy disk
9. **Data Types/Parameters Measured:**
Information included are sample site, field and lab sieve results and the petrographic number.
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
3 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP Vectra
Operating system: MS DOS
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

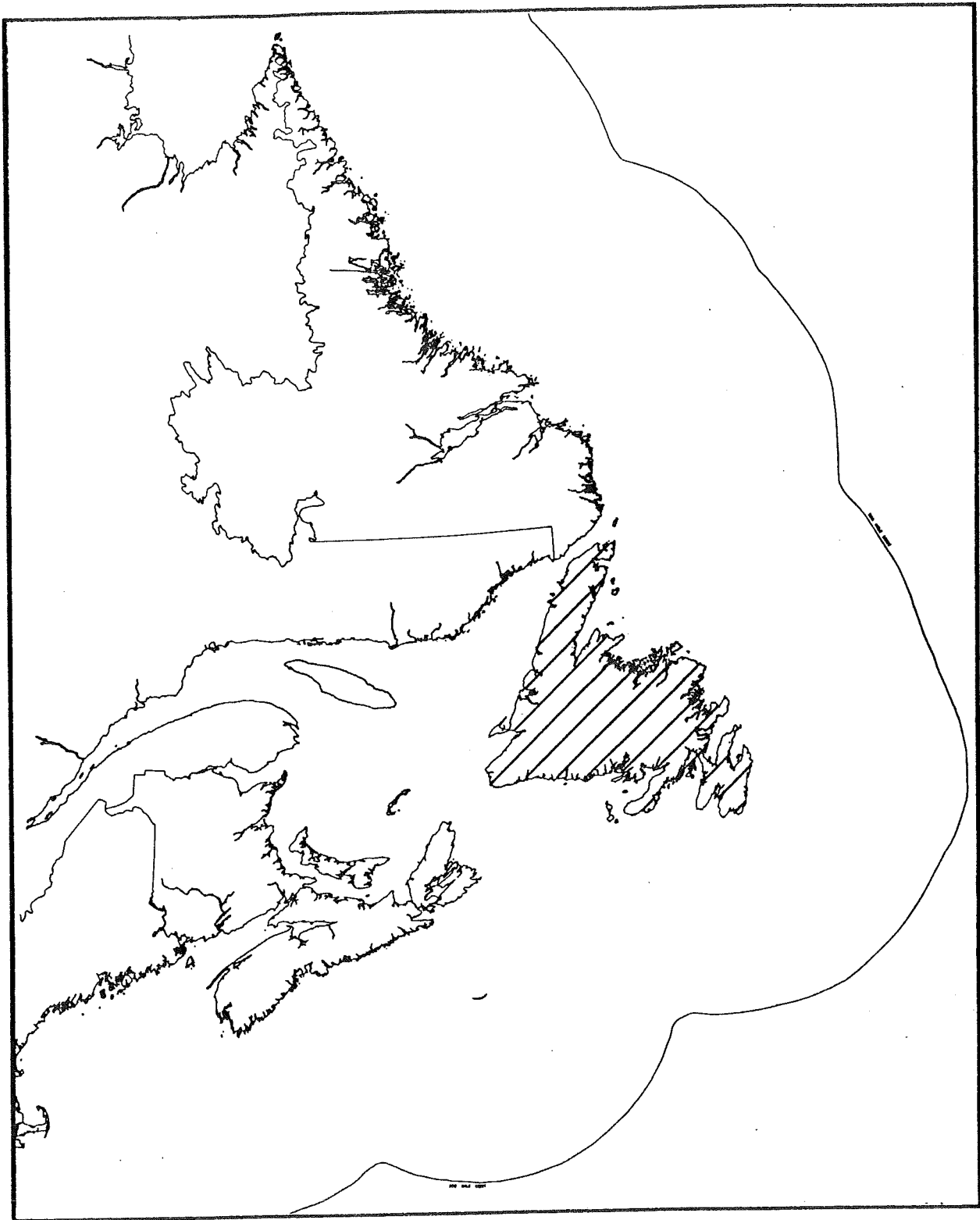


17. Signature: Not signed

Date: March 18, 1992

1. **Database Title: Newfoundland Shale Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Field and analytical data collected in 1981 from major shale occurrence in central Newfoundland and in 1982 and 1983 from parts of eastern and western Newfoundland data have been released as an open file (NFLD(1317)) in 1983. The other parts of this file have not been officially released. Additional data, collected in 1985, have yet to be added to the file.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1981 to 1983
Updated in 1983
8. **Format:**
Digital: Point data flat file on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Shale
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
412 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

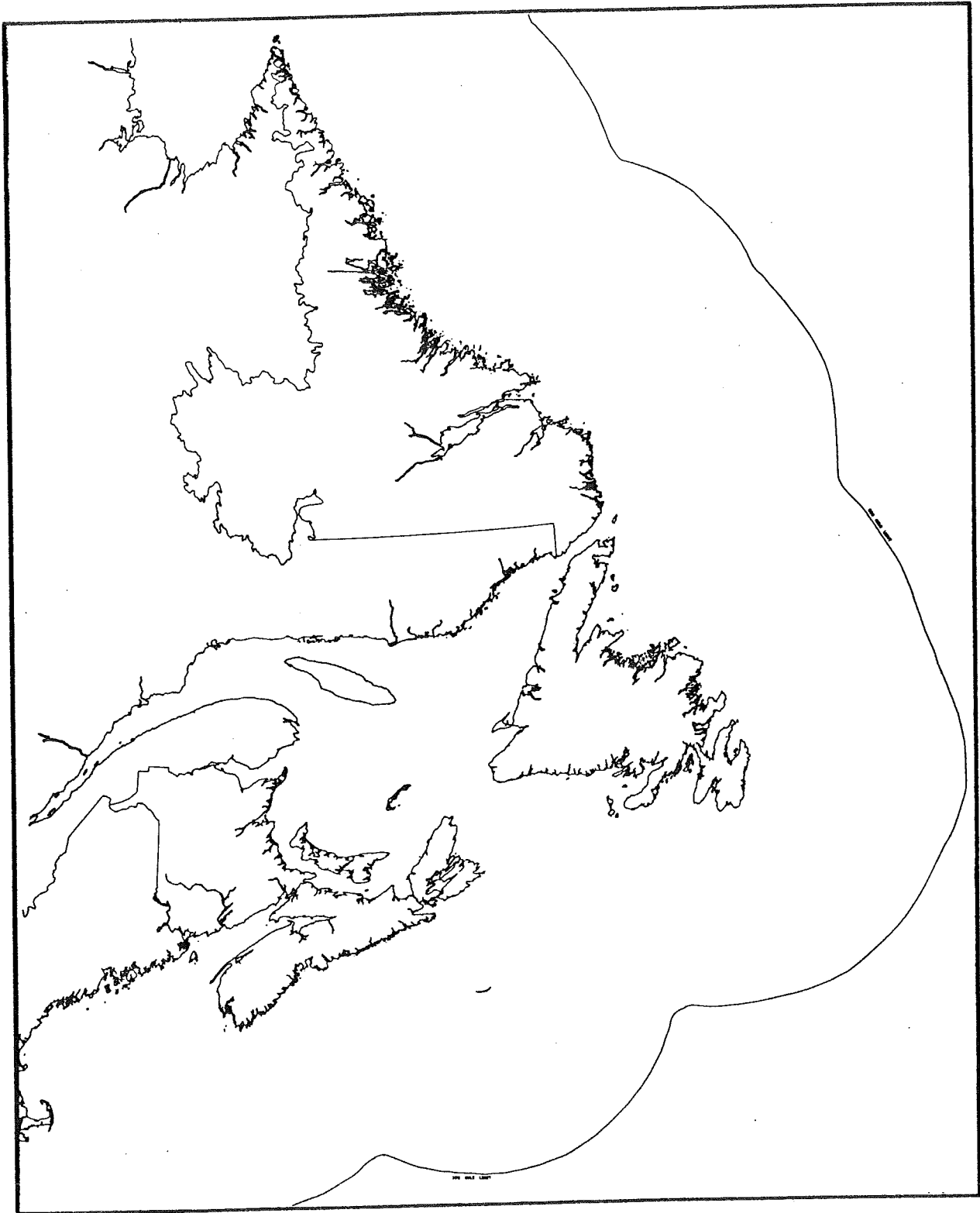


17. Signature: Not signed

Date: March 18, 1992

1. **Database Title: Newfoundland Soil Survey Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains field observations and analytical results of soil samples collected in 1983 and 1984. The data were collected from two areas of Newfoundland, the Catalina area, and near Indian Bay Pond, Central Newfoundland.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Central and Eastern Regions of Newfoundland
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1983 to 1984
Updated in 1987
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Soil
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
500 Kilobyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Mainframe
Operating system: UNIX
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

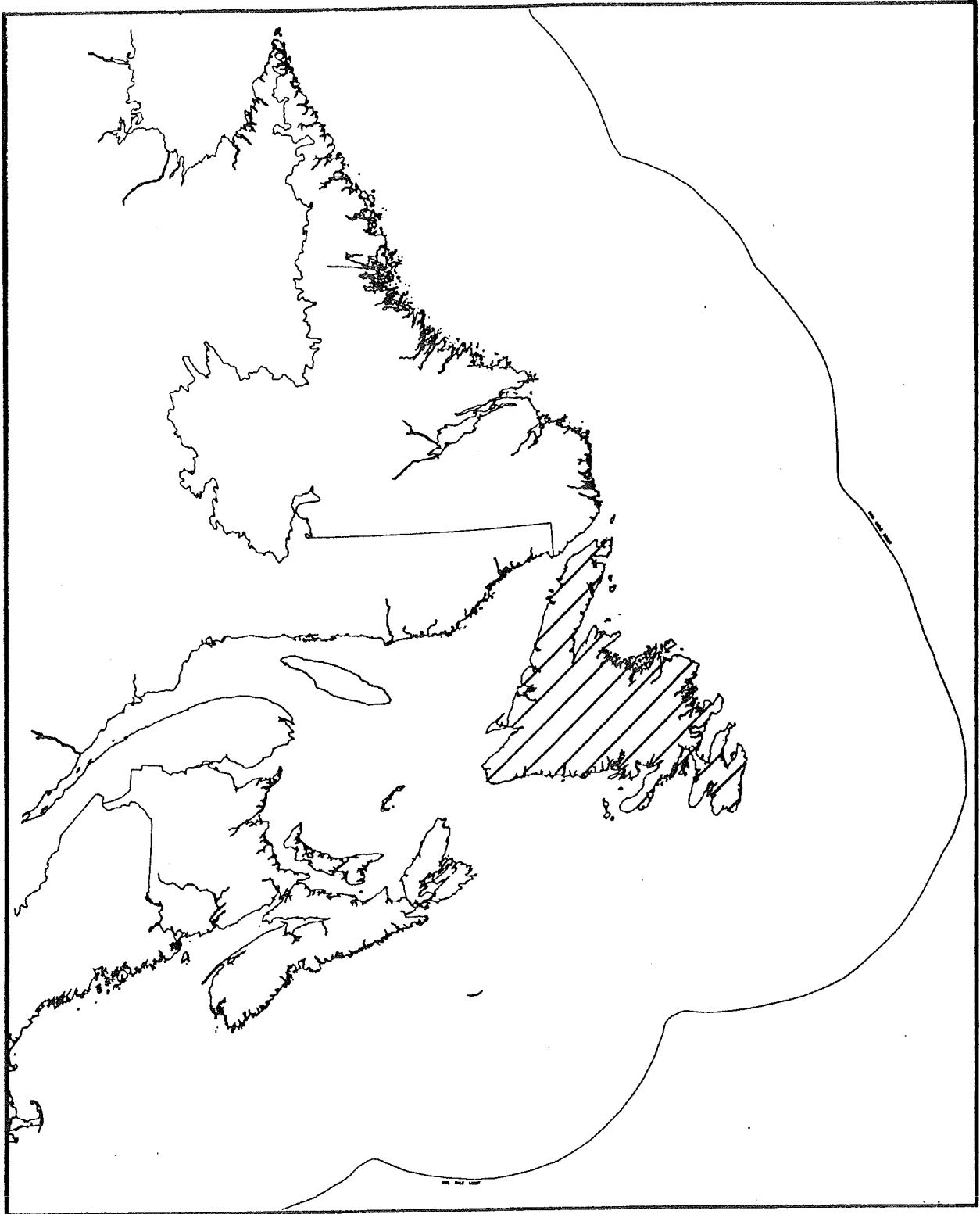


17. Signature: Not signed

Date: March 13, 1992

1. **Database Title: Newfoundland Stream Sediment Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Data file contains field observations and analytical results of stream sediment survey samples collected 1973 and 1987.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1973
Updated in 1990
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
Hard-copy: Paper
9. **Data Types/Parameters Measured:**
Stream sediments
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
1 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM Vectra
Operating system: MS DOS
Software:
15. **Comments:**
The data were collected from numerous streams in selected areas of Nfld, including the Port-au-Port Peninsula, St. George's Carboniferous Basin, Burlington Peninsula, some areas on the Avalon, in central and western Nfld.

16. Map indicating areas of data holdings:

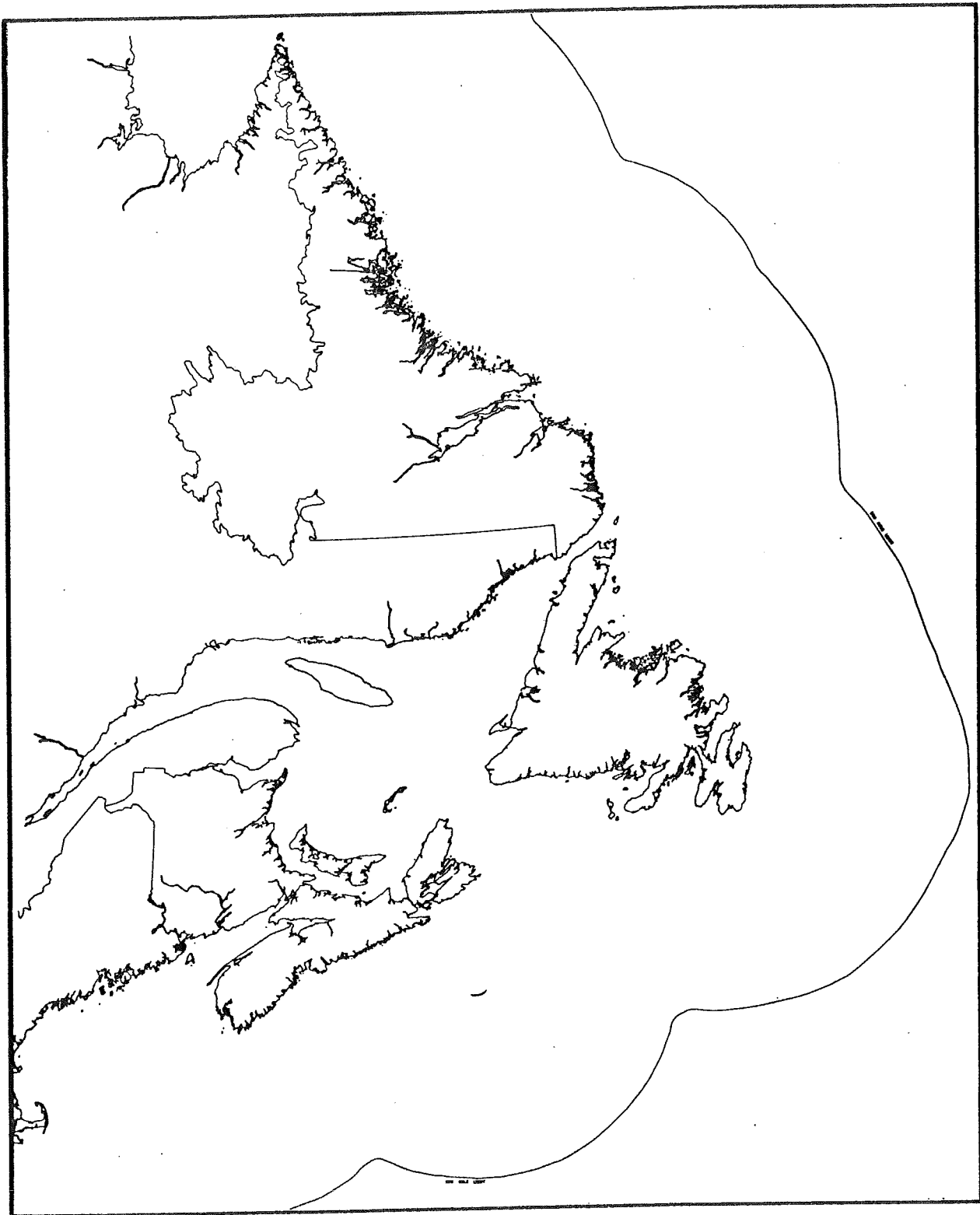


17. Signature: Not signed

Date: March 13, 1992

1. **Database Title:** Quaternary and Geochemistry SW Newfoundland (combur8586)
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Contains field and analytical data from a study of Quaternary features located in south central Newfoundland, during 1985 and 1986 field season. The file contains particle size data, pebble types and geochemical data.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Central Region of Newfoundland
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1985 to 1986
Updated in 1989
8. **Format:**
Digital: Point data flat file and SPSSX on 9 Track tape and Floppy disk
9. **Data Types/Parameters Measured:**
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
1.36 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

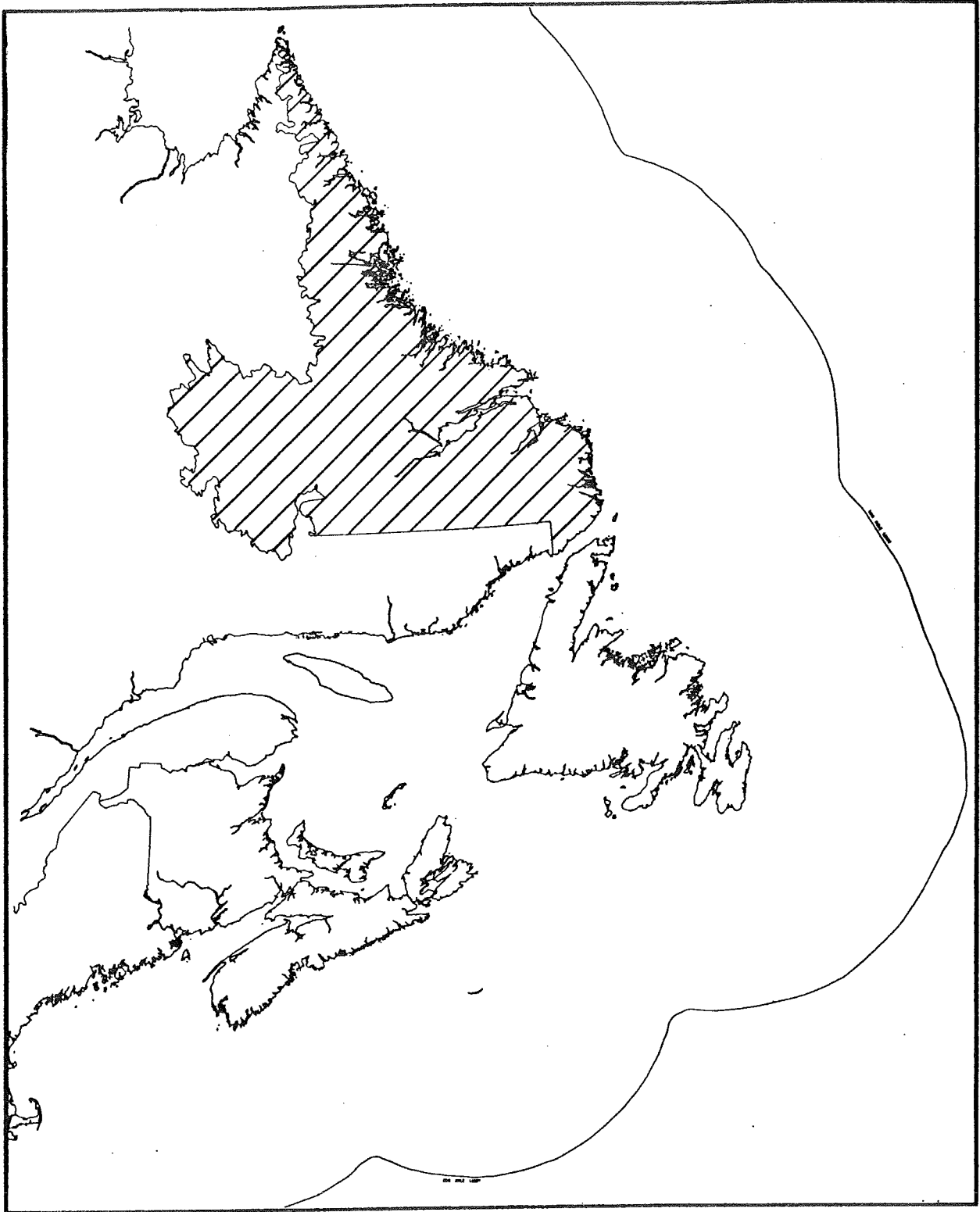


17. Signature: Not signed

Date: March 23, 1992

1. **Database Title: Regional Aeromagnetic Data - Labrador**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Consists of a series of files containing aeromagnetic flight line profiles providing complete coverage of Labrador.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Labrador
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1988 to 1990
Updated in 1990
8. **Format:**
Digital: 9 Track tape
9. **Data Types/Parameters Measured:**
Aeromagnetic data
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
60 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

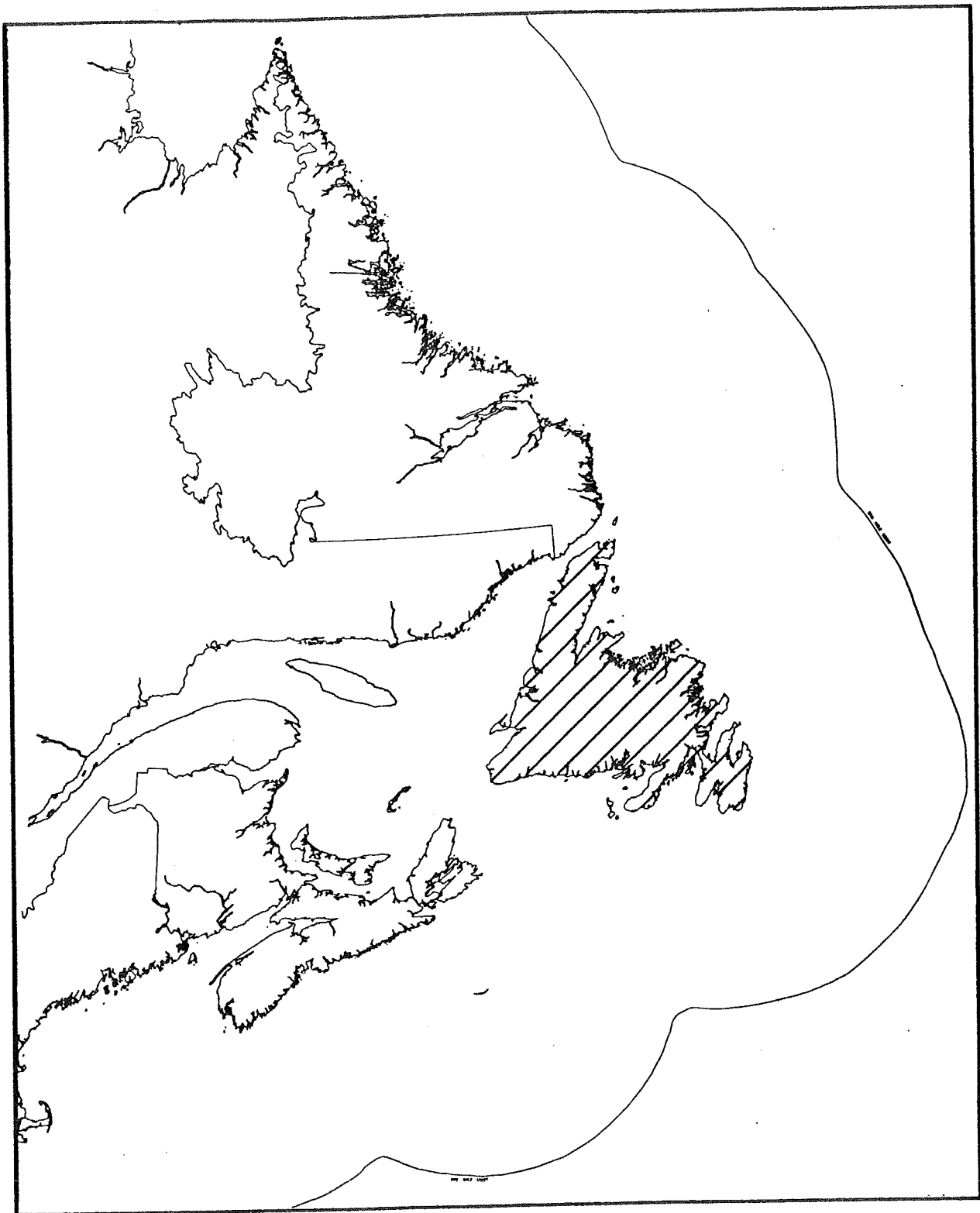


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Regional Aeromagnetic Data - Newfoundland**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Consists of a series of files containing aeromagnetic flight line profiles reconstructed by the Geological Survey of Canada (GSC) from 1:63,360 scale hard-copy plots by GSC during the years 1953-1971. Profiles are arranged in order of decreasing west longitude. Editing, merging and ordering was done by Nfld Department of Mines and Energy during 1989/90.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1953 to 1971
Updated in 1990
8. **Format:**
Digital: 9 Track tape and Floppy disk
9. **Data Types/Parameters Measured:**
Aeromagnetic data
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
13.5 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

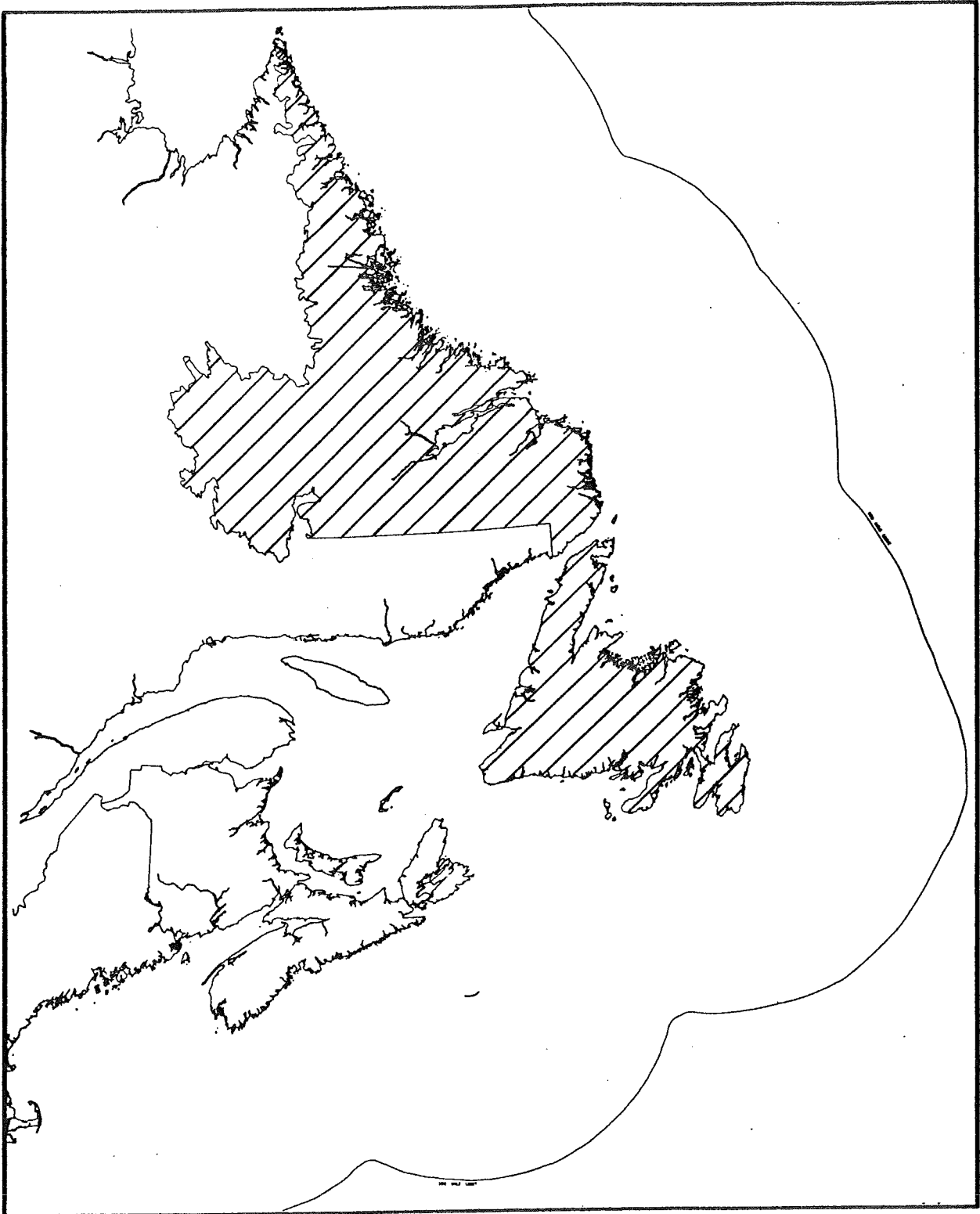


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Regional Bouguer Gravity Database**
2. **Contact Person:**
James Butler
Database Manager, Geological Survey Branch
Newfoundland Department of Mines and Energy
95 Bonaventure Avenue
PO Box 8700
St. John's, Newfoundland A1B 4J6
Tel (709) 729-2172; Fax (709) 729-3493
3. **Purpose:**
Data obtained from the Geological Survey of Canada (GSC) and is a subset of their Canadian database, windowed to the region of interest to the province. The data accuracy varies with location and vintage of survey.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Western, Central and Eastern Regions of Newfoundland and Labrador
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting; 6 degree Universal Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
1955 to 1989
Updated in 1989
8. **Format:**
Digital: 9 Track tape
9. **Data Types/Parameters Measured:**
Gravity
10. **Sampling Procedures:**
11. **Program Type:**
Research and surveys
12. **Size/Growth:**
5.7 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP 9000/700
Operating system: UNIX
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

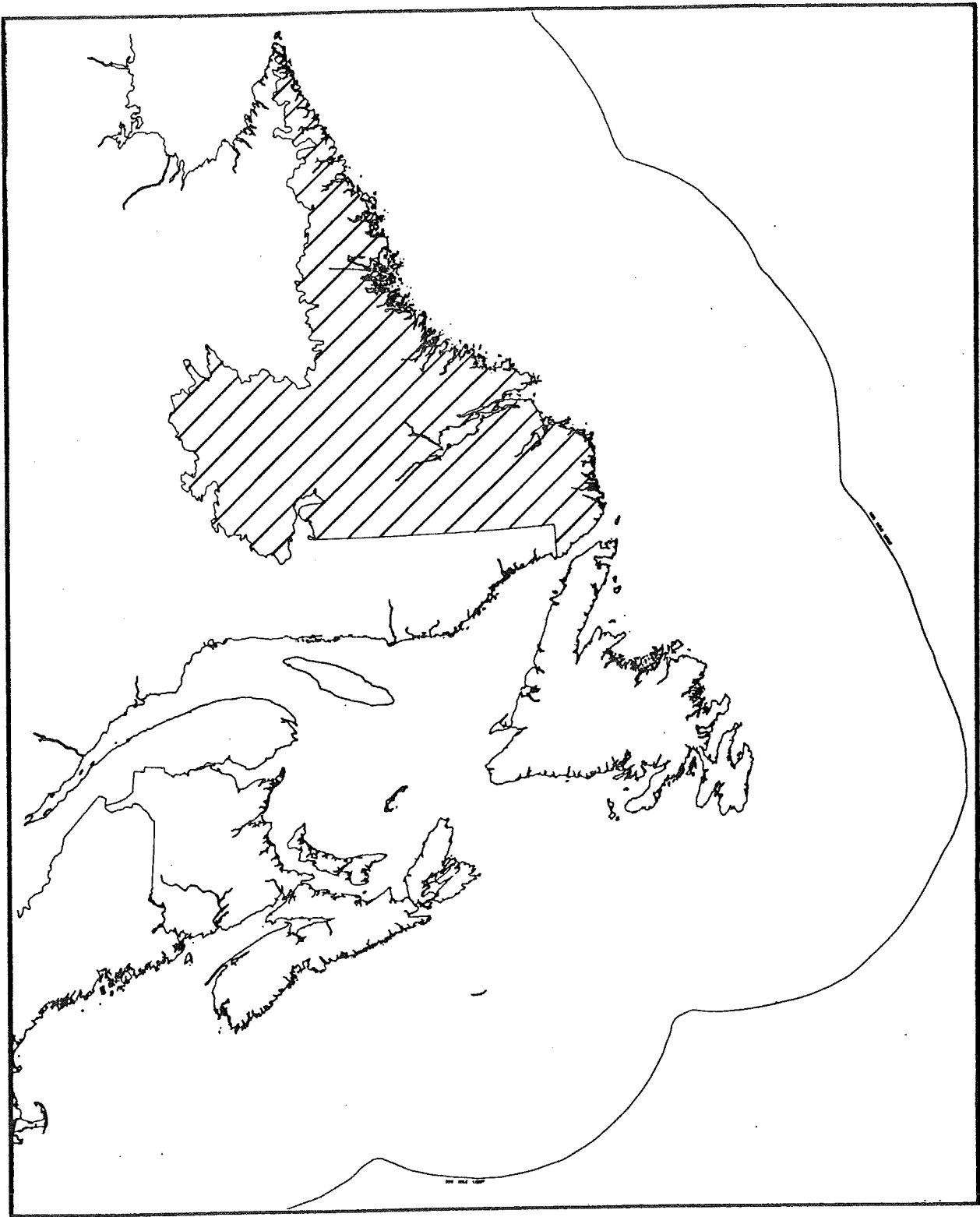


17. Signature: Not signed

Date: March 17, 1992

1. **Database Title: Trans-Labrador Highway Environmental Study**
2. **Contact Person:**
Roger Pottle
Newfoundland Department of Transportation
Confederation Building
St. John's, Newfoundland A1C 5T7
3. **Purpose:**
Environmental assessments requirements for road construction
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Cost of photocopy
Restrictions: None
5. **Geographical Coverage/Scale:**
Labrador
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1985 to 1987
N/A
8. **Format:**
Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Land use, resource use and archaeological parameters
Biological: Various biological
10. **Sampling Procedures:**
Telemetry studies, electroseining, literature research, archaeological surveying
11. **Program Type:**
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:



17. Signature: Unverified

Date:

**ATLANTIC
COASTAL ZONE
DATABASE DIRECTORY**

*Province of
Nova Scotia*

**Version 1.0
October 1992**

The Atlantic Coastal Zone Database Directory is published by the Atlantic Coastal Zone Information Steering Committee (ACZISC). This portion of the Directory comprises the Province of Nova Scotia's component of the Directory and represents the most up-to-date inventory of the Province's databases relevant to the Atlantic coastal zone. The information will be updated and expanded on a regular basis and provided through the ACZISC to those expressing an interest in our databases.

For more detailed information on specific databases of the Province of Nova Scotia, please feel free to communicate with the contact persons identified on the inventory sheets. For general information on the Province's role on the ACZISC, please contact:

Lincoln MacLeod
Co-chair, Nova Scotia Coastal Zone
Management Issue Group
Department of Fisheries
PO Box 700
Pictou, Nova Scotia
Canada B0K 1H0

Tel (902) 485-7015
Fax (902) 485-4014

For general information on the Province's database inventory, please contact:

Brad Fay
Secretary, Land Information
Systems Advisory Committee
PO Box 2254
Halifax, Nova Scotia
Canada B3J 3C8

Tel (902) 424-4966
Fax (902) 424-5872

ATLANTIC COASTAL ZONE DATABASE DIRECTORY

PROVINCE OF NOVA SCOTIA

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PROVINCE OF NOVA SCOTIA

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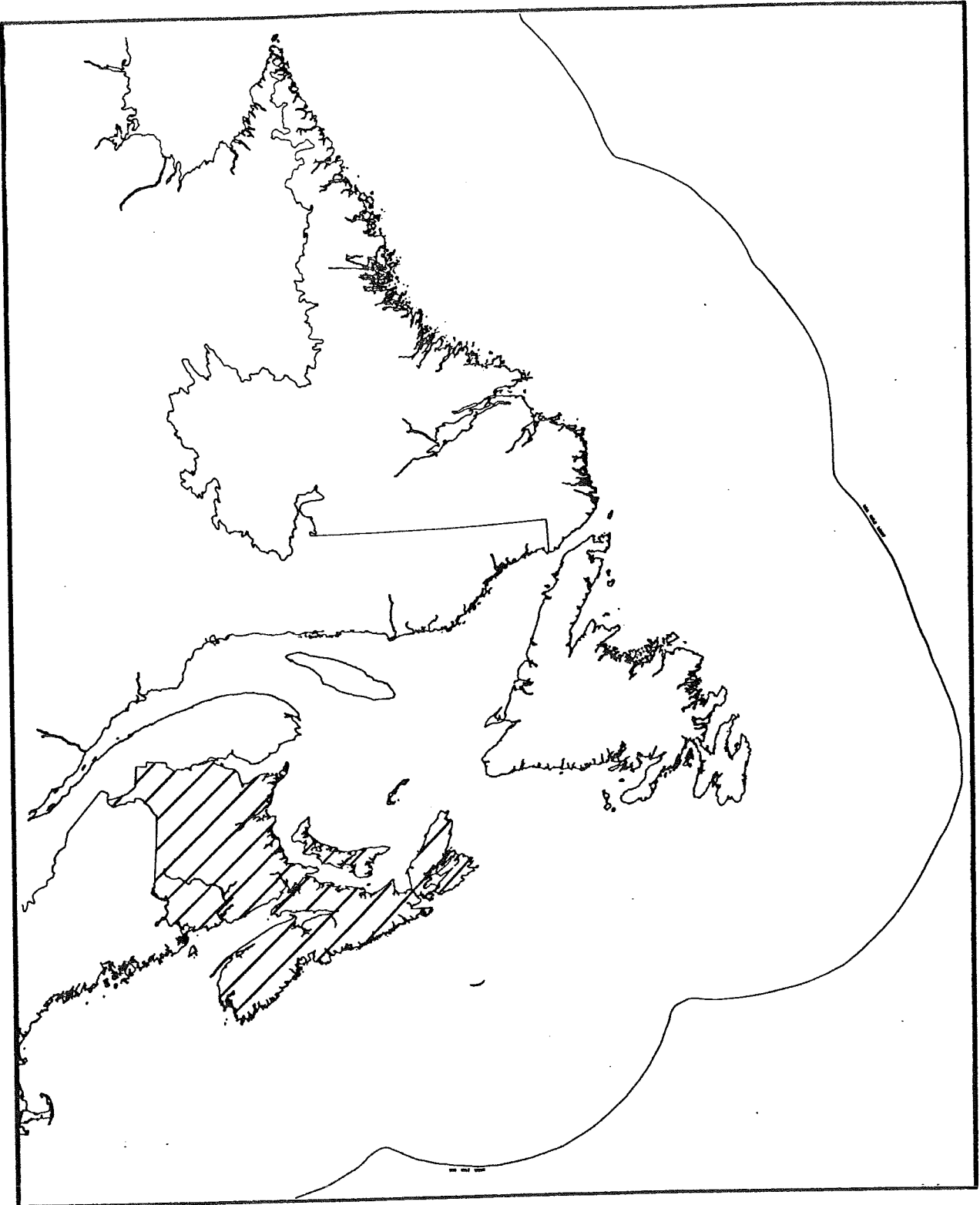
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1. **Database Title: Maritime Breeding Bird Atlas**
2. **Contact Person:**
Fred Scott
Coordinator, Maritime Breeding Bird Atlas
Nova Scotia Museum
Nova Scotia Department of Education
1747 Summer Street
Halifax, Nova Scotia B3H 3A6
Tel (902) 429-4610; Fax (902) 424-0560
3. **Purpose:**
To record summer bird distribution and abundance throughout the Maritime Provinces
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Minimum fee of \$100 for a full dataset for a particular square
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia, New Brunswick and Prince Edward Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1986 to 1990
Updated continuously but mostly in the fall
8. **Format:**
Digital
Hard-copy: Published maps and an atlas
9. **Data Types/Parameters Measured:**
Biological: Bird counts, particularly nesting birds, per specific geographic area
10. **Sampling Procedures:**
Field surveys by a large group of volunteers
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Ongoing records for all species over the entire Maritime Provinces including offshore islands. The hard-copy atlas only includes basic distribution information. Abundance data or more precise locations of birds within 100 metre quadrants will be available in the digital database. This will allow for special searches and statistical analysis. Similar efforts are under way throughout most of Canada and the developed world.

16. Map indicating areas of data holdings:

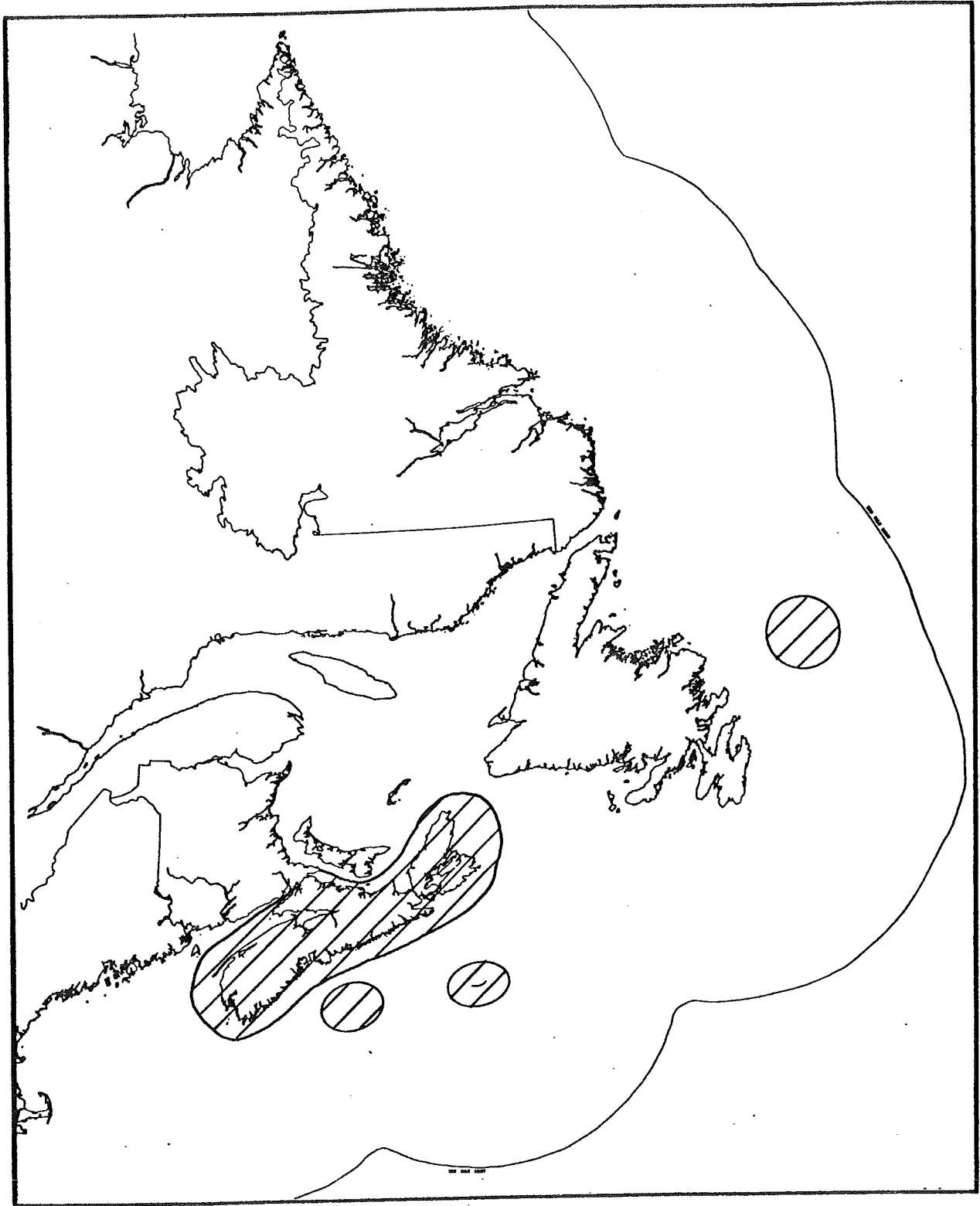


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: Natural History Collection Files**
2. **Contact Person:**
Derek Davis
Nova Scotia Museum
Nova Scotia Department of Education
1747 Summer Street
Halifax, Nova Scotia B3H 3A6
Tel (902) 429-4610; Fax (902) 424-0560
3. **Purpose:**
Biological and physical inventories of sections of Nova Scotia, with particular emphasis on ecological reserves and parks
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia including all land and marine areas and some offshore marine areas
6. **Geographical Referencing:**
Latitude/Longitude; UTM
7. **Period of Record/Update Frequency:**
1850s to present; updated annually or as time permits
8. **Format:**
Hard-copy: Will be computerized at a later date
9. **Data Types/Parameters Measured:**
Physical: Geological information, wetlands, geomorphology
Biological: Wildlife distribution, plants, rare and endangered species
10. **Sampling Procedures:**
Compilation of field data; data from maps and air photos; old collection data
11. **Program Type:**
Research, monitoring and survey; miscellaneous collections
12. **Size/Growth:**
Approximately 500 species/locality records
13. **Environmental Legislation relevant to this data:**
Special Places Protection Act
Museum Act
14. **Computer System:**
Host computer: IBM compatible PC; Macintosh
Operating system: MS DOS
Software: Variety
15. **Comments:**
Good baseline data from which to study changes in community structure; good inventory of data on ecological reserves and other important or sensitive natural areas and species. Contains botany, zoology, geology and locality information.

16. Map indicating areas of data holdings:

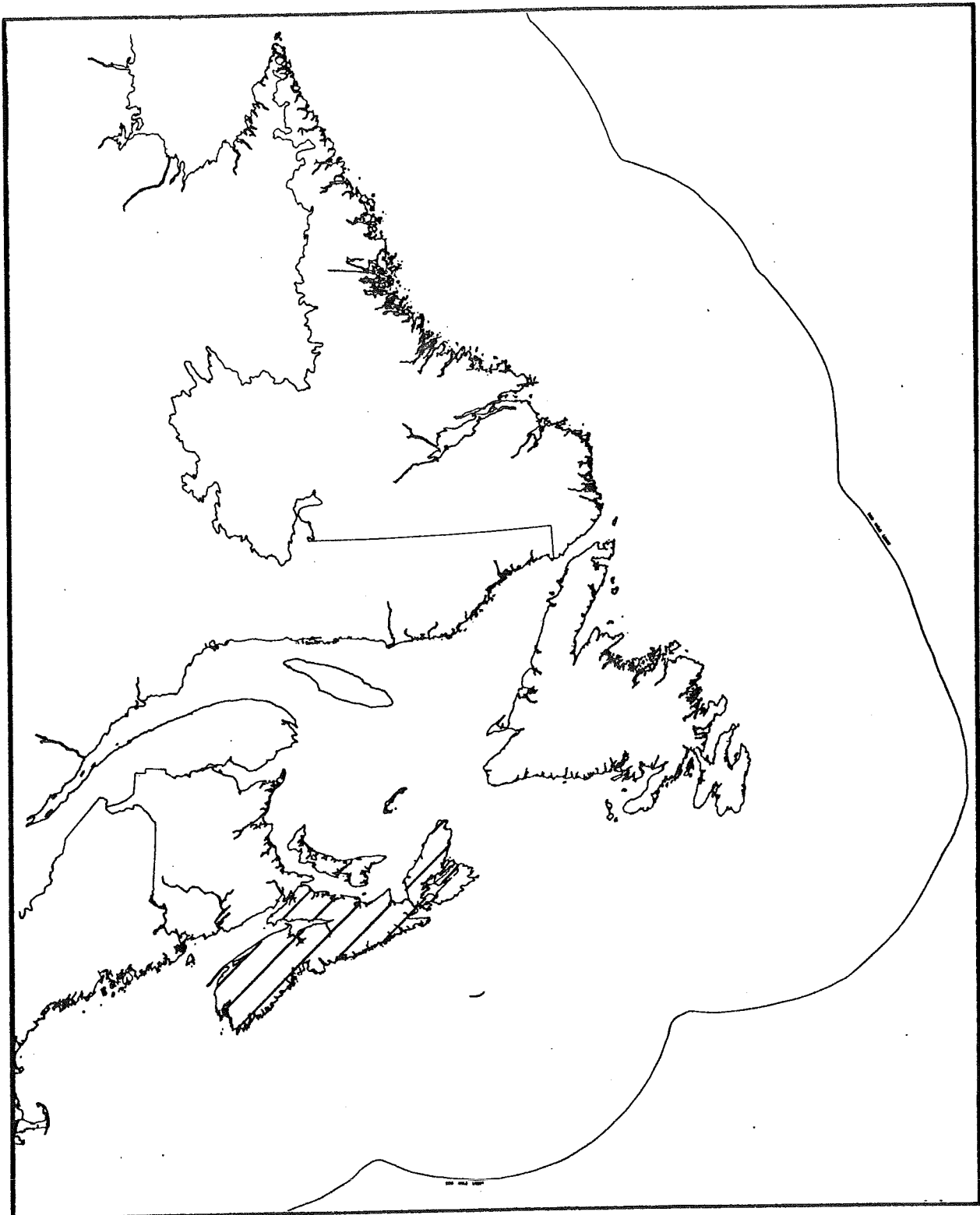


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: Nova Scotia Archaeological Site Inventory**
2. **Contact Person:**
Brian Preston
Curator of Archaeology
Nova Scotia Museum
Nova Scotia Department of Education
1747 Summer Street
Halifax, Nova Scotia B3H 3A6
Tel (902) 424-7374; Fax (902) 424-0560
3. **Purpose:**
Inventory of provincial archaeological resources for the purpose of resource management
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Sensitive information such as precise geographic location available on a case-by-case basis only.
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
Northing/Easting
7. **Period of Record/Update Frequency:**
Ongoing
Updated continuously
8. **Format:**
Maritime Archaeological Resource Inventory record forms; manual card files; Digital
9. **Data Types/Parameters Measured:**
Site type, age, location, dimensions, geology, vegetation, shoreline condition, destructive agents, collections and records
10. **Sampling Procedures:**
Systematic area surveys; professional and public reporting
11. **Program Type:**
Survey, recording, research and monitoring
12. **Size/Growth:**
Approximately 1000 records
5-10% Annual growth
13. **Environmental Legislation relevant to this data:**
Special Places Protection Act
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

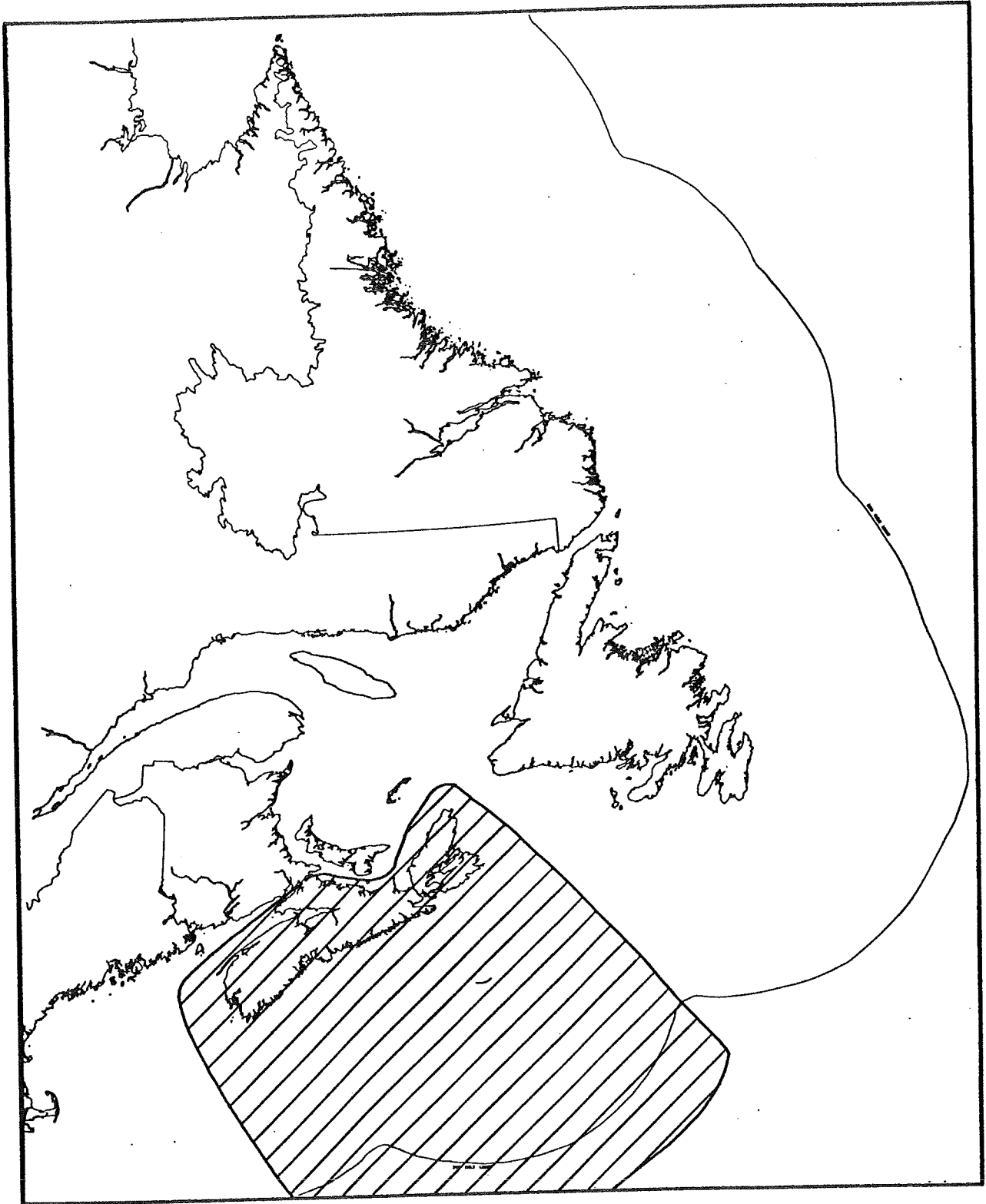


17. Signature: Verified

Date: August 11, 1992

1. **Database Title:** Nova Scotia Shipwreck Inventory
2. **Contact Person:**
Robert Ogilvie
Nova Scotia Museum
Nova Scotia Department of Education
1747 Summer Street
Halifax, Nova Scotia B3H 3A6
Tel (902) 424-6478; Fax (902) 424-0560
3. **Purpose:**
Protection and management of significant shipwrecks under the Special Places Protection Act
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Sensitive information, such as precise location, cargo information and sources, is available on a case-by-case basis only.
5. **Geographical Coverage/Scale:**
Marine waters adjacent to Nova Scotia
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
Ongoing
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Shipwrecks: vessel name, casualty place, date, vessel type, etc.; Vessels: construction, details, builders, owners, masters, etc.; Site data: precise location, condition, orientation, etc.
10. **Sampling Procedures:**
Archival research; some site surveys
11. **Program Type:**
Monitoring, research, surveys and mapping
12. **Size/Growth:**
Approximately 10,000 records in 23 related files. Constant updating on project basis. 25% Average annual growth.
13. **Environmental Legislation relevant to this data:**
Special Places Protection Act
14. **Computer System:**
Host computer: IBM compatible PC
Operating system: MS DOS
Software: FOXPRO (Relational database)
15. **Comments:**

16. Map indicating areas of data holdings:

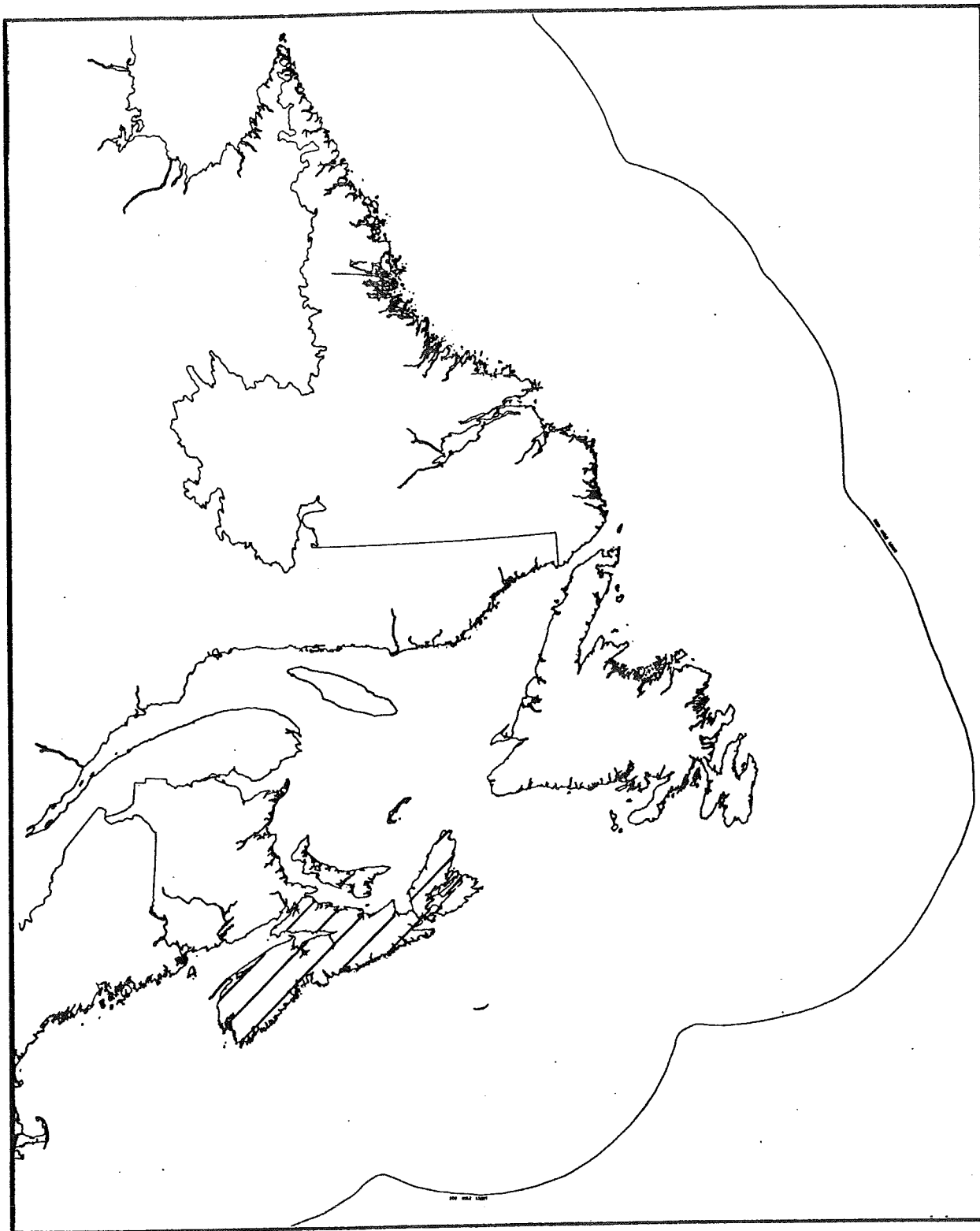


17. Signature: Verified

Date: July 21, 1992

1. **Database Title: Nova Scotia Stranding Network**
2. **Contact Person:**
John Parsons
Nova Scotia Museum
Nova Scotia Department of Education
1747 Summer Street
Halifax, Nova Scotia B3H 3A6
Tel (902) 469-2420; Fax (902) 424-0560
3. **Purpose:**
To monitor naturally occurring strandings of marine wildlife
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: May be some fees
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1989
Updated annually
8. **Format:**
Digital: Tissue collection data
9. **Data Types/Parameters Measured:**
Biological: Strand morphological records, photographs, site specific data, tissue samples
10. **Sampling Procedures:**
Field collection
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

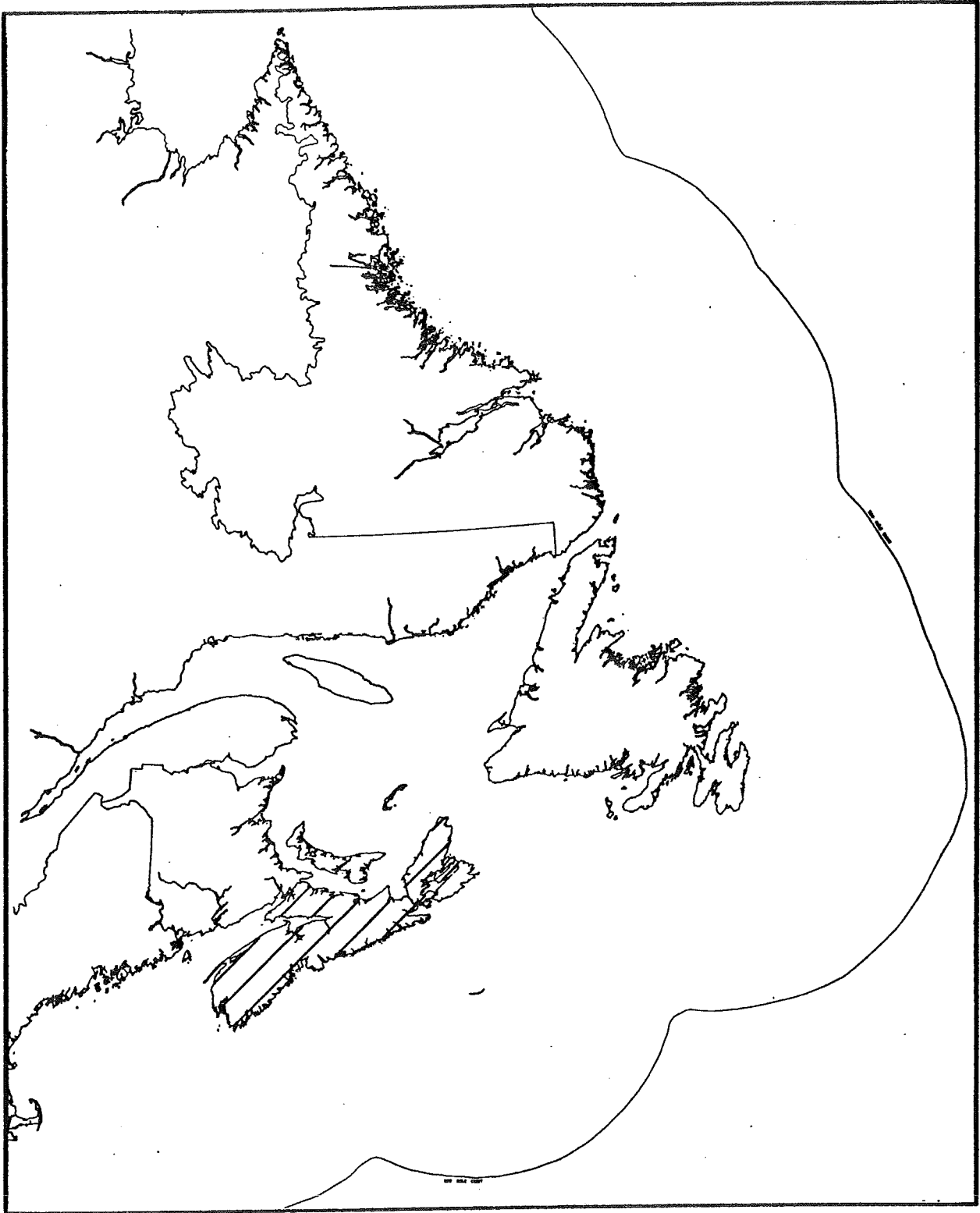


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: Air Quality Telemetry**
2. **Contact Person:**
Randy Piercey
Nova Scotia Department of Environment
PO Box 2107
Halifax, Nova Scotia B3J 3B7
Tel (902) 424-5300; Fax (902) 424-0503
3. **Purpose:**
To gather air quality data and measure pollutants for national and provincial networks to indicate annual trends and provide monthly summaries
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1970s to present; 1988 forward is computerized
Updated monthly
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Chemical: Ozone, hydrogen sulphide, nitric oxides, sulphur dioxide, carbon monoxide, total suspended particulates
10. **Sampling Procedures:**
Continual measurements and reporting of one hour averages for specific sites located throughout the Province
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM
Operating system:
Software: dBASE III+, FOX BASE
15. **Comments:**

16. Map indicating areas of data holdings:

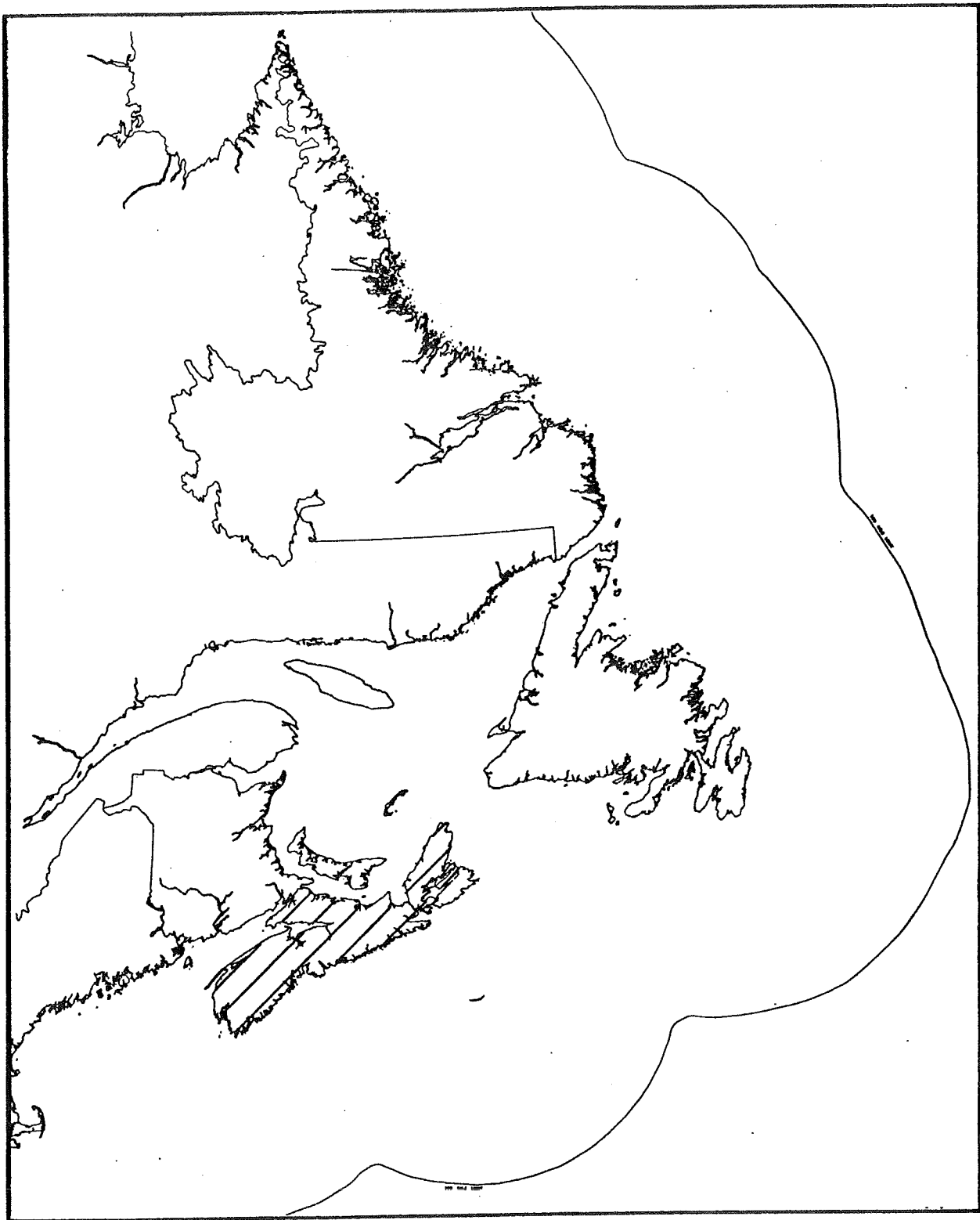


17. Signature: Not signed

Date: August 25, 1992

1. **Database Title: Fresh Water Users - Nova Scotia**
2. **Contact Person:**
Herb T. Doane or Andrew Cameron
Nova Scotia Department of the Environment
PO Box 2107
Halifax, Nova Scotia B3J 3B7
Tel (902) 424-5300; Fax (902) 424-0503
3. **Purpose:**
To maintain information on operators' names, sources of supply, volume concerned and uses of fresh water
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia - public and industrial water supplies
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1988
Updated infrequently
8. **Format:**
Hard-copy: Paper files only
9. **Data Types/Parameters Measured:**
Name of facility, name of responsible persons, daily use of water, source, water body
10. **Sampling Procedures:**
Attempt to catch all major water uses
11. **Program Type:**
Inventory for operation and planning purpose
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

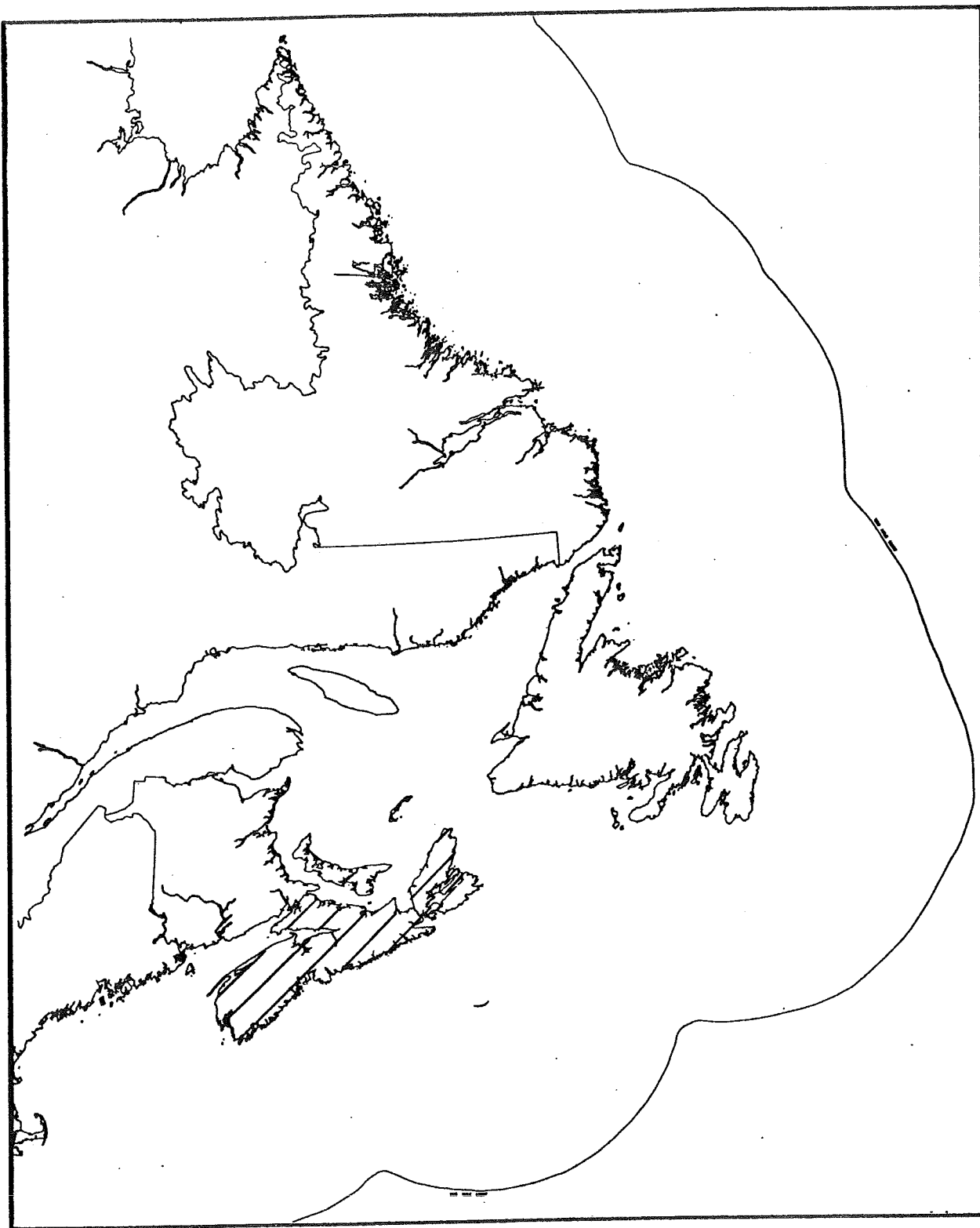


17. Signature: Not signed

Date:

1. **Database Title: Groundwater Monitoring Network**
2. **Contact Person:**
Andrew Cameron or Herb T. Doane
Nova Scotia Department of Environment
PO Box 2107
Halifax, Nova Scotia B3J 3B7
Tel (902) 424-5300; (902) 424-0503
3. **Purpose:**
To monitor provincial sites for water level statistics, especially during extreme conditions
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia - groundwater
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1960s to present
Updated monthly
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Groundwater levels - monthly average maximum, monthly average minimum, maximum to date, minimum to date
10. **Sampling Procedures:**
Samples from various sites located throughout the Province
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM
Operating system:
Software: dBASE III, FOX BASE
15. **Comments:**

16. Map Indicating areas of data holdings:

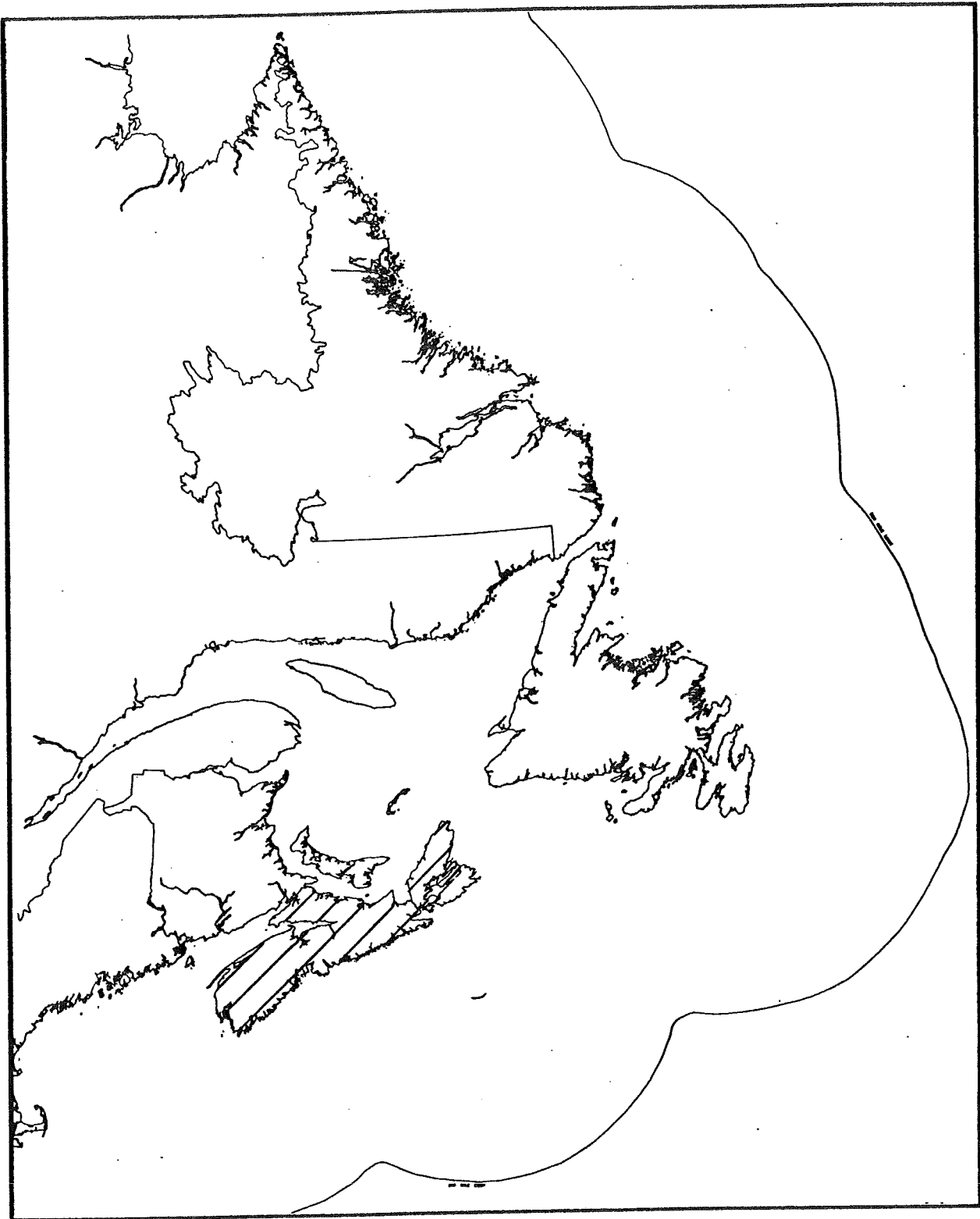


17. Signature:

Date:

1. **Database Title: Inventory of Wastewater Treatment Plants**
2. **Contact Person:**
Sharon Vervaet
Nova Scotia Department of the Environment
PO Box 2107
Halifax, Nova Scotia B3J 3B7
Tel (902) 424-5300; Fax (902) 424-0503
3. **Purpose:**
To maintain an inventory of wastewater treatment plants
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Present
Updated as required
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Inventory - location of plant, type, capacity
10. **Sampling Procedures:**
Gather information from individual plants, files, permits
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system:
Software: dBASE III and FOX BASE
15. **Comments:**

16. Map indicating areas of data holdings:

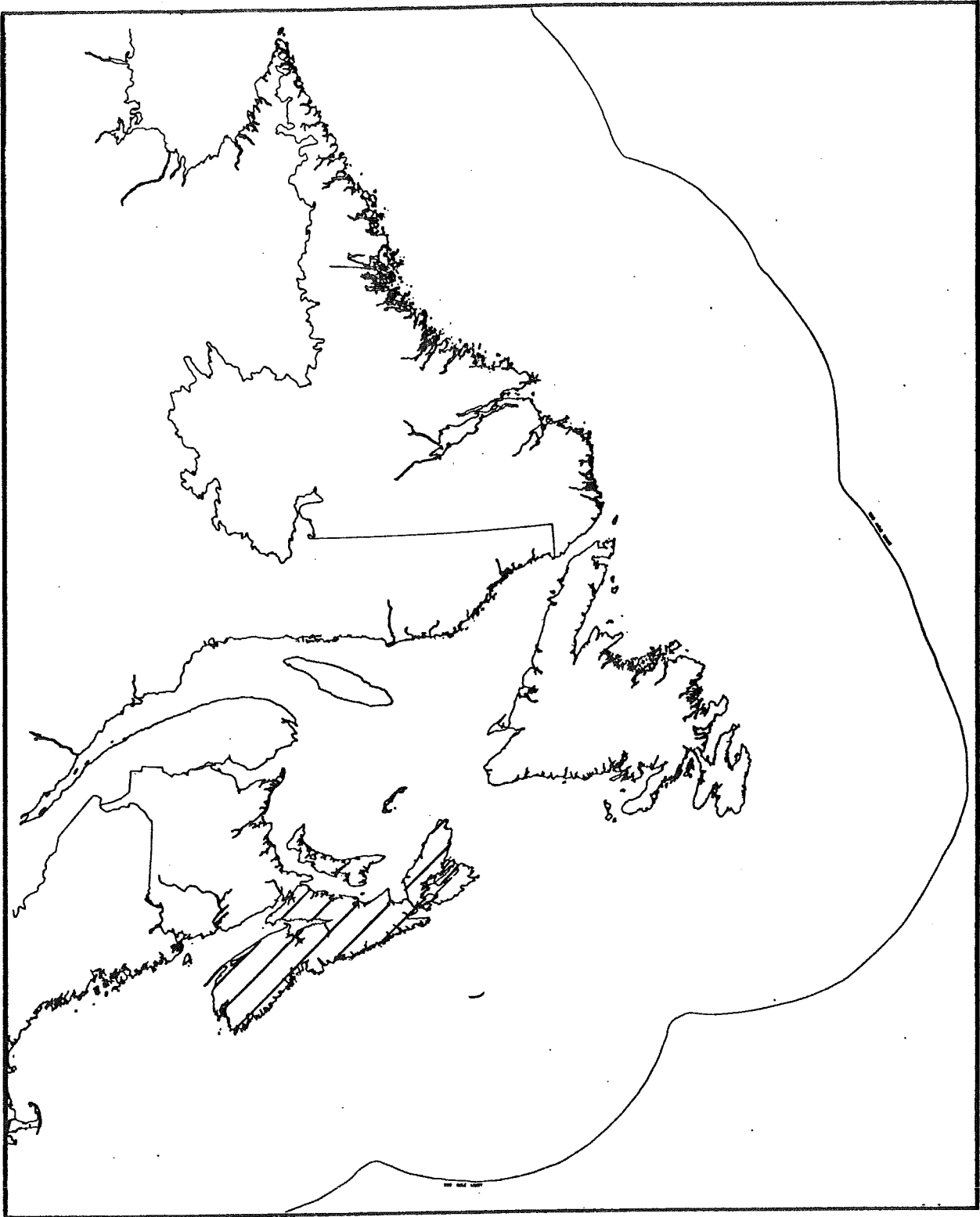


17. Signature: Not signed

Date:

1. **Database Title: Lake Chemistry Database**
2. **Contact Person:**
Andrew Cameron
Nova Scotia Department of Environment
PO Box 2107
Halifax, Nova Scotia B3J 3B7
Tel (902) 424-5300; Fax (902) 424-0503
3. **Purpose:**
To accumulate baseline water quality data
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1973 to 1981 - sparse data set; 1981 to present - detailed chemical data
Updated annually
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Chemical: More than 20 parameters including total organic carbon, colour, pH, major ions, alkalinity, metals
10. **Sampling Procedures:**
Water samples taken in summer from a small boat
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: CYBER
Operating system:
Software: Fortran
15. **Comments:**
This data is also stored at the Canada Centre for Inland Waters at Burlington, Ontario and on NAQUADAT. Sampling has been carried out by provincial Natural Resources personnel although the work may be transferred to the Nova Scotia Department of Fisheries. Additional information on fish and lake bathymetry is also collected and stored; these have yet to be computerized.

16. Map indicating areas of data holdings:

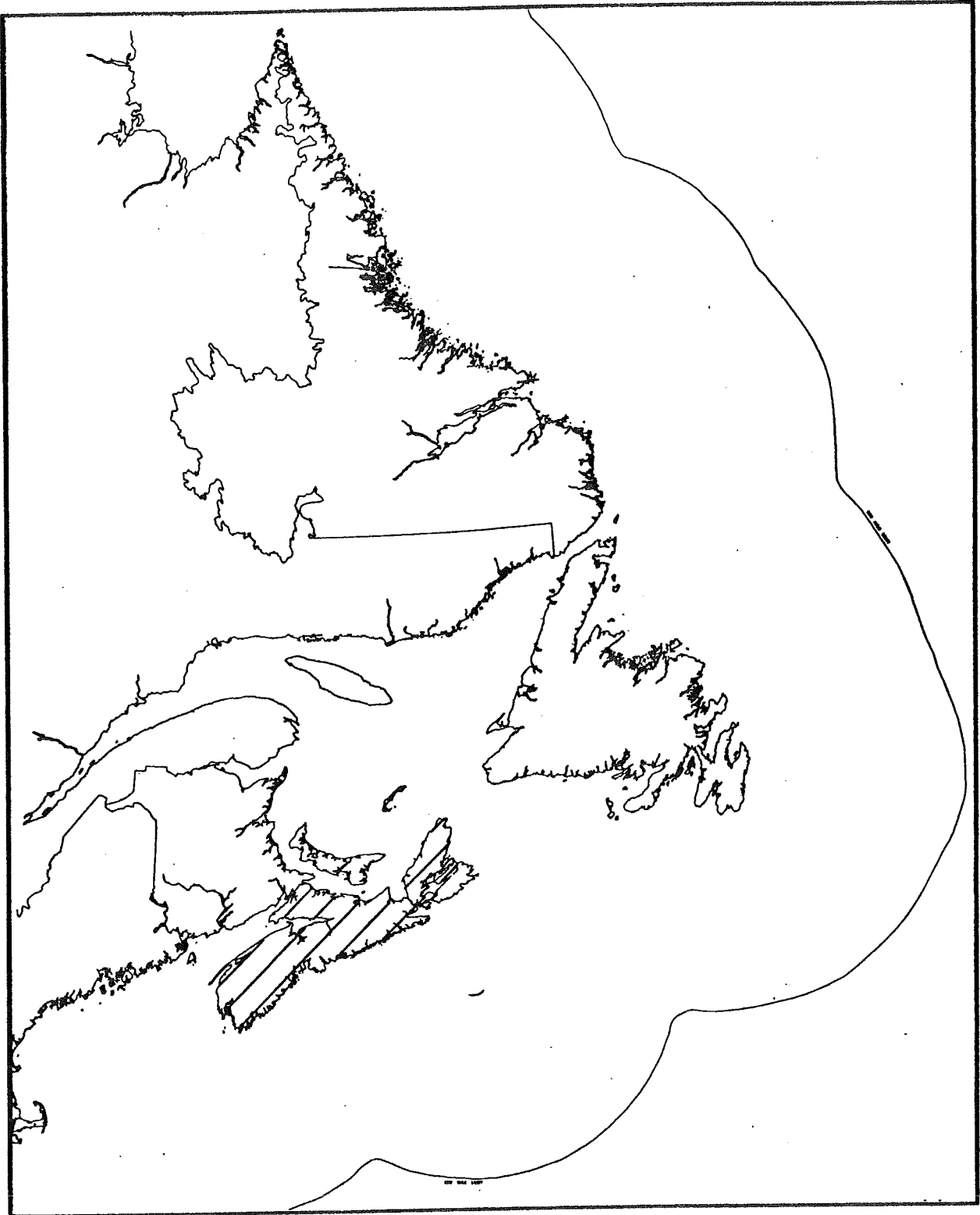


17. Signature: Not signed

Date:

1. **Database Title: NAQNSWELL/NAQUADAT**
2. **Contact Person:**
Herb T. Doane or Andrew Cameron
Nova Scotia Department of Environment
PO Box 2107
Halifax, Nova Scotia B3J 3B7
Tel (902) 424-5300; Fax (902) 424-0503
3. **Purpose:**
To maintain an inventory of chemical concentrations in wells throughout Nova Scotia
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia - well water sampling results
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1970s to 1985
Updated as required
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Chemical: Sulphate, ammonia, metals, hardness, pH, etc.
10. **Sampling Procedures:**
Standard water sampling methods, and owner sampling
11. **Program Type:**
Monitoring, survey, complaints response
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software: System 2000 (NAQUADAT) in Ottawa (may be changed to ORACLE)
15. **Comments:**
System not totally up-to-date; data provided by Nova Scotia Department of Environment and other agencies.

16. Map Indicating areas of data holdings:

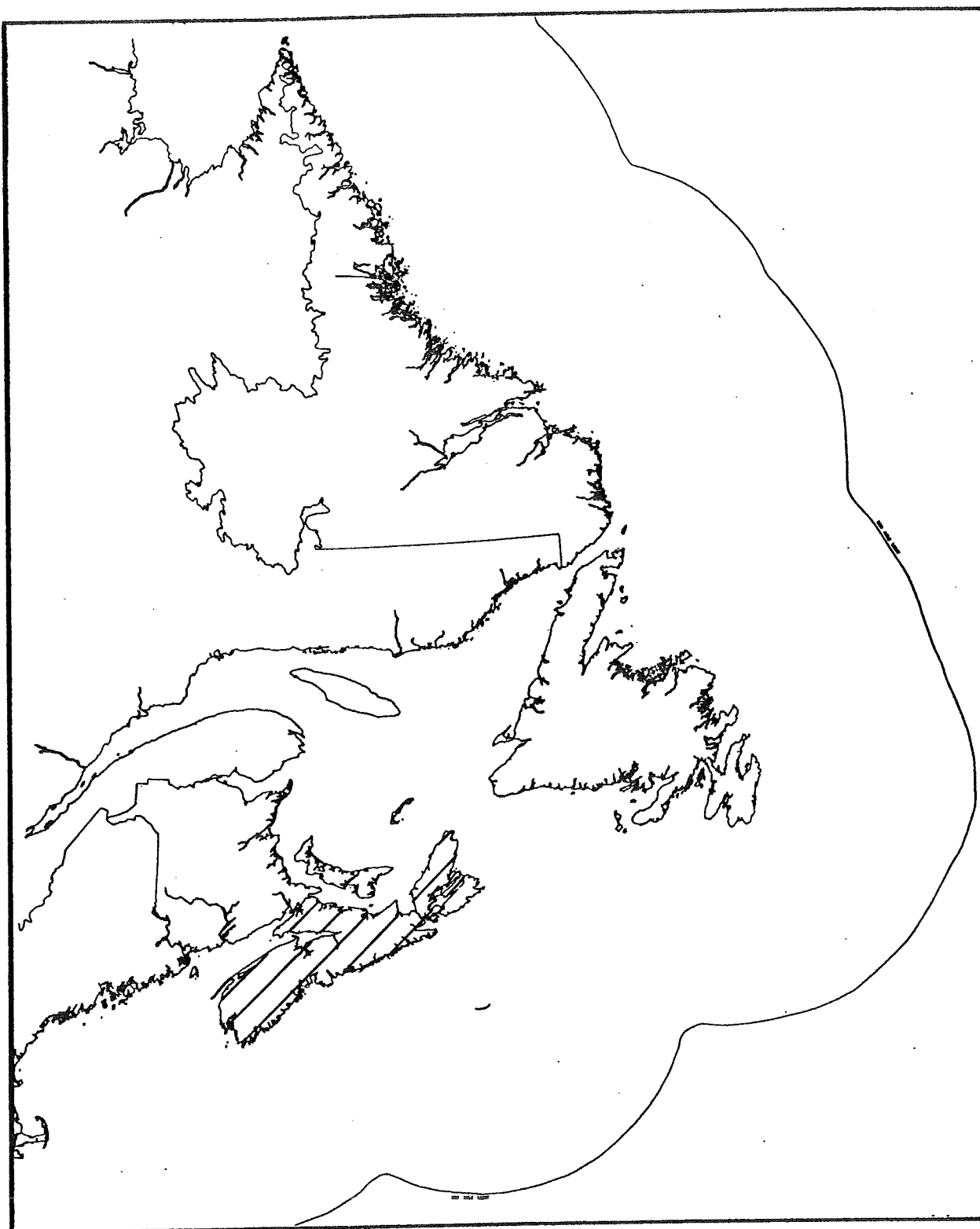


17. Signature: Not signed

Date:

1. **Database Title: Pesticide Spray Control System**
2. **Contact Person:**
Craig Morrison
Nova Scotia Department of the Environment
PO Box 2107
Halifax, Nova Scotia B3J 3B7
Tel (902) 424-5300; Fax (902) 424-0503
3. **Purpose:**
To provide an inventory of pesticide spray programs
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Some data is proprietary information
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1988
Updated weekly at source
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Physical and chemical: Land owner, pesticide product number, site location, pesticide description
10. **Sampling Procedures:**
Data compiled from spray applications
11. **Program Type:**
Monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system:
Software: dBASE III+, FOX BASE
15. **Comments:**

16. Map indicating areas of data holdings:

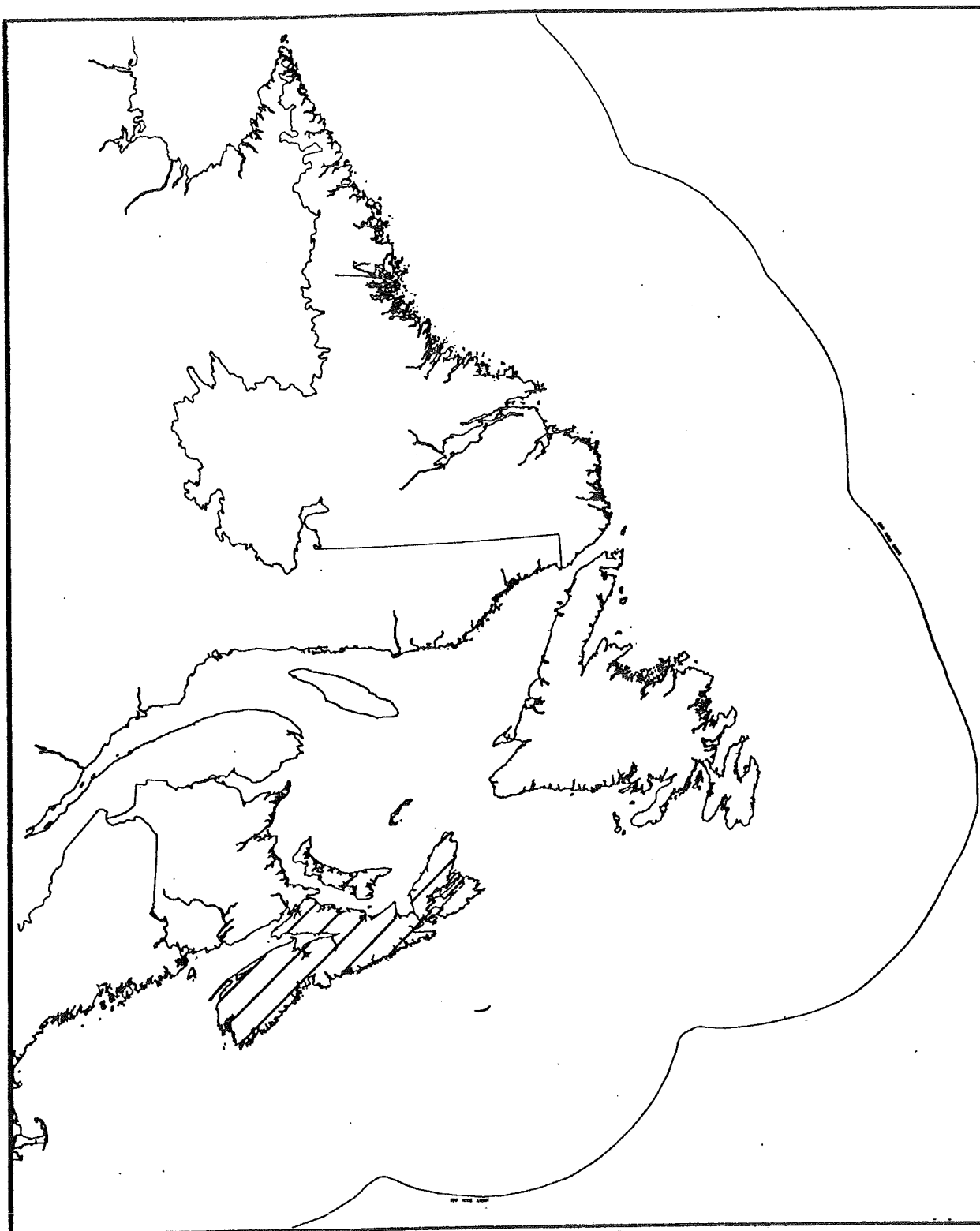


17. Signature: Not signed

Date:

1. **Database Title: Petroleum Storage Applications**
2. **Contact Person:**
Dennis Ryan
Nova Scotia Department of the Environment
PO Box 2107
Halifax, Nova Scotia B3J 3B7
Tel (902) 424-5300; Fax (902) 424-0503
3. **Purpose:**
To maintain a computerized inventory of petroleum storage tanks for cross-referencing and serviceability status on tank usage
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Some data is confidential
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Present inventory
Updated as required
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Inventory, ownership of tanks, location of tanks, type of installations, tank and dyking information
10. **Sampling Procedures:**
Information extracted from storage tank applications
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system:
Software: dBASE III+, FOX BASE
15. **Comments:**
Database contains all existing tank information and will contain future tank information. Applications are received in paper copy and entered onto the system. Database includes information on all storage tanks having a nominal capacity of 200 litres or greater (underground) or 4000 litres or greater (aboveground) including abandoned tanks.

16. Map Indicating areas of data holdings:

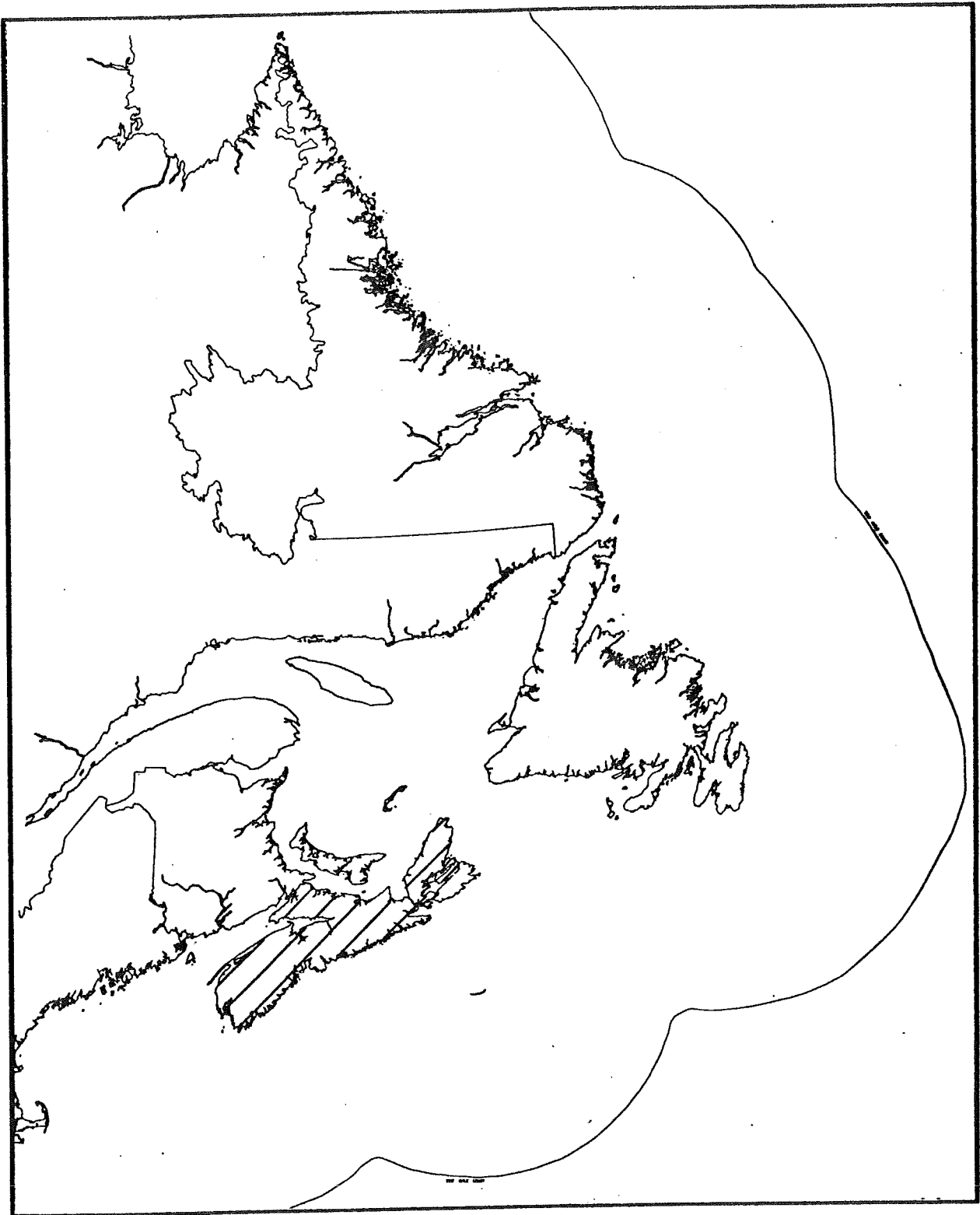


17. Signature: Not signed

Date:

1. **Database Title: Rain Chemistry Database**
2. **Contact Person:**
Randy Piercey
Assessment Division
Nova Scotia Department of Environment
PO Box 2107
Halifax, Nova Scotia B3J 3B7
Tel (902) 424-5300; Fax (902) 424-0503
3. **Purpose:**
To maintain baseline rain chemistry data
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Data requests considered on individual basis
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1977 to present
Updated annually
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Chemical: Conductivity, pH, nitrogen, sodium, chloride, cadmium, magnesium, alkalinity, sulphuric acid, nitric acid, sulphur, total organic carbon, acidity, metals
10. **Sampling Procedures:**
Samples collected weekly from 5 automated samplers located around the Province
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Database has over 11,900 records which include over 3,000 precipitation samples; approximately 300 samples per year; 20 chemical tests per sample
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: CYBER
Operating system:
Software: Fortran
15. **Comments:**

16. Map indicating areas of data holdings:

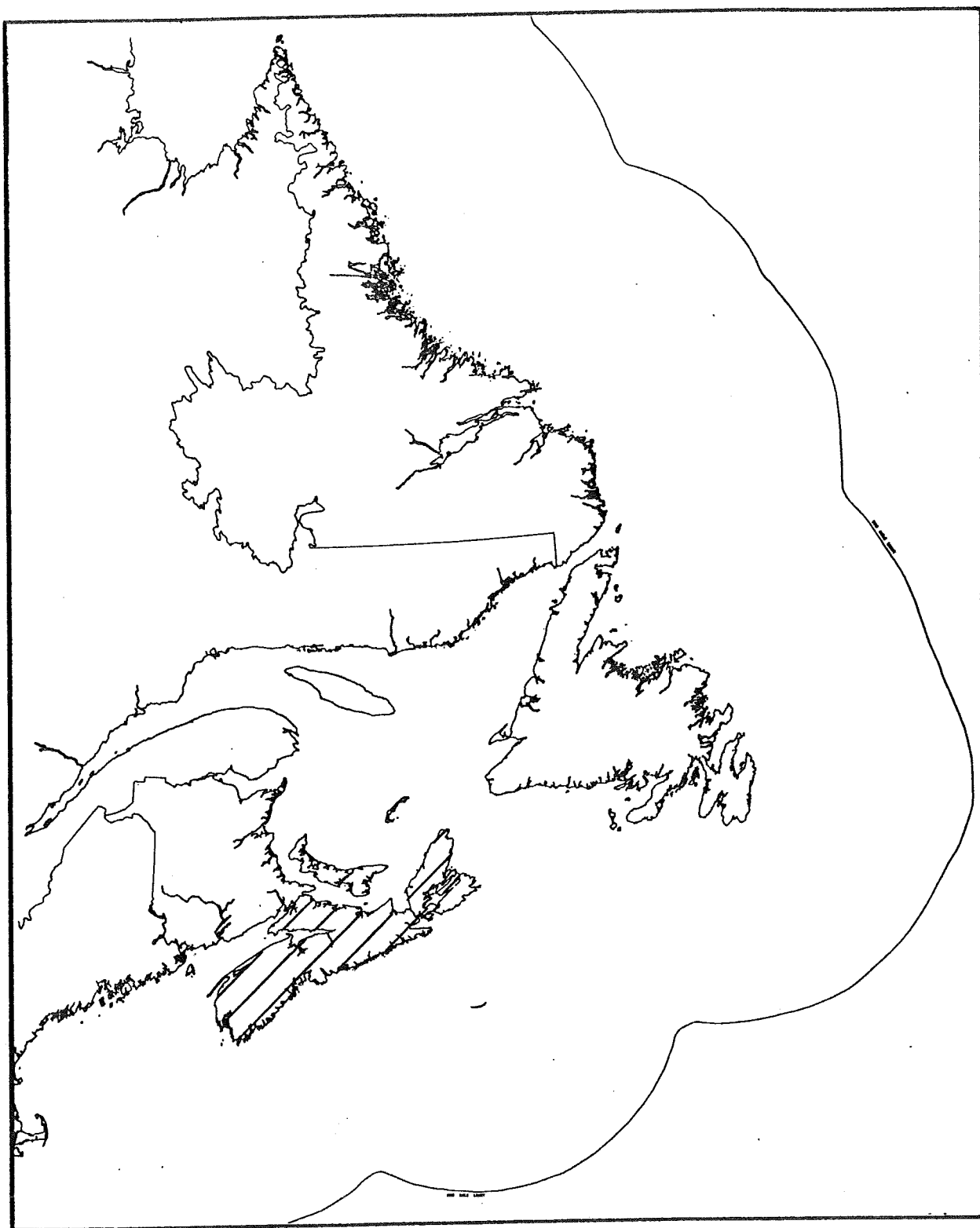


17. Signature: Not signed

Date: August 25, 1992

1. **Database Title: Surface Water Quality Reference System**
2. **Contact Person:**
Andrew Cameron
Nova Scotia Department of Environment
PO Box 2107
Halifax, Nova Scotia B3J 3B7
Tel (902) 424-5300; Fax (902) 424-0503
3. **Purpose:**
To maintain an index and inventory of water quality reports to assess changes in water chemistry over time
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia - lakes throughout the Province
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1905 to 1984
Has not been updated since 1984
8. **Format:**
Hard-copy: Files, index cards and reports
9. **Data Types/Parameters Measured:**
Chemical/water quality data on over 1000 lakes in Nova Scotia: dissolved oxygen, pH, nitrogen, phosphorous, alkalinity, metals
10. **Sampling Procedures:**
Varied over time
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Nova Scotia Department of Environment is investigating the feasibility of computerizing the data; data originates from a very wide variety of sources. Data is referenced by grid and location (data compiled for each lake).

16. Map indicating areas of data holdings:

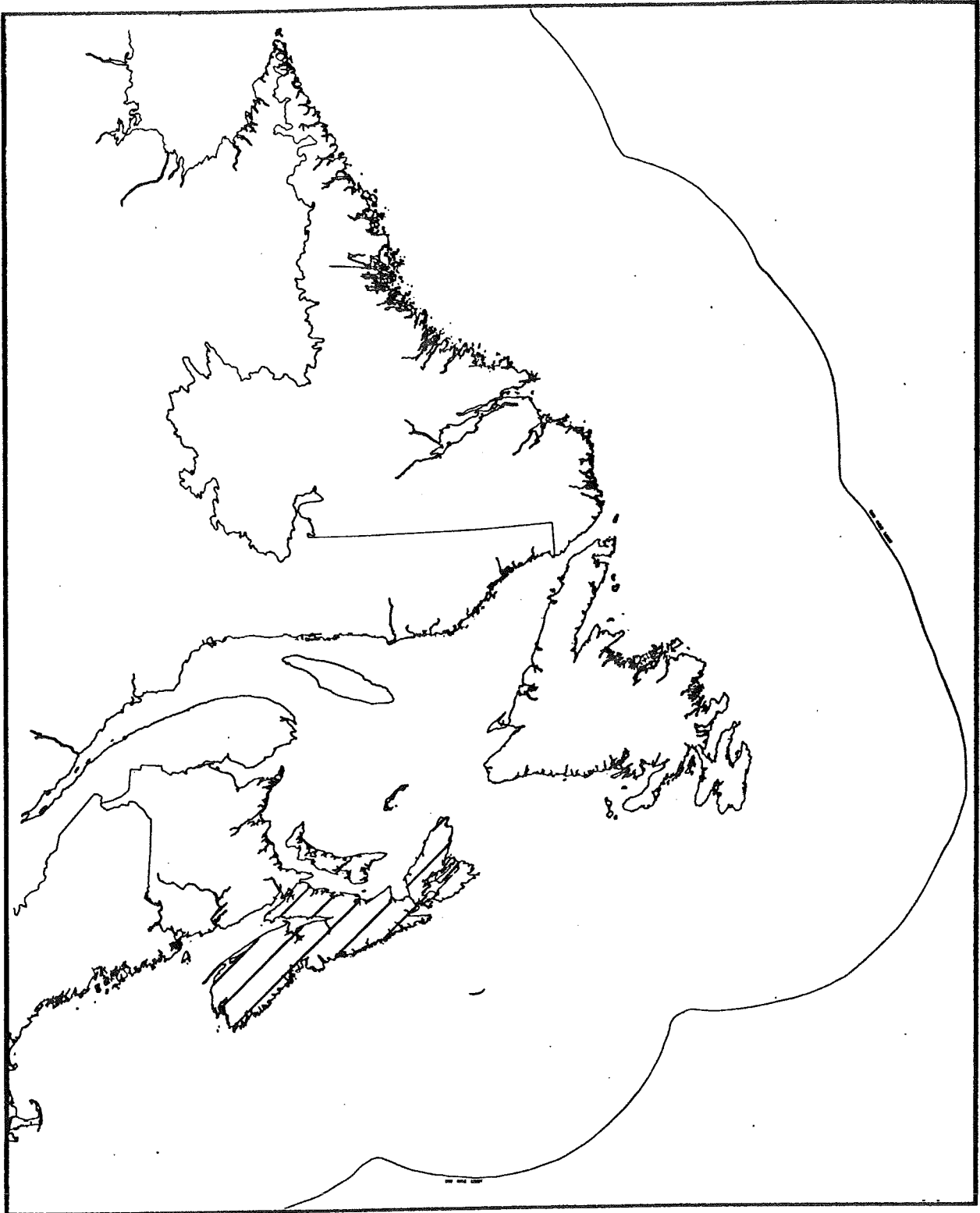


17. Signature: Not signed

Date:

1. **Database Title: Water Licence and Permit Management System**
2. **Contact Person:**
Andrew Cameron
Nova Scotia Department of the Environment
PO Box 2107
Halifax, Nova Scotia B3J 3B7
Tel (902) 424-5300; (902) 424-0503
3. **Purpose:**
To ensure that water resources are adequately protected and to maintain an inventory of water users
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia - freshwater courses
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Early 1900s to present
Updated as required
8. **Format:**
Hard-copy and Digital
9. **Data Types/Parameters Measured:**
Physical: Water course information, project information, dates of work
10. **Sampling Procedures:**
Information taken from water rights permits - all persons working within contact of provincial water courses
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system:
Software: dBASE III+ and FOX BASE (1985 to present)
15. **Comments:**

16. Map indicating areas of data holdings:

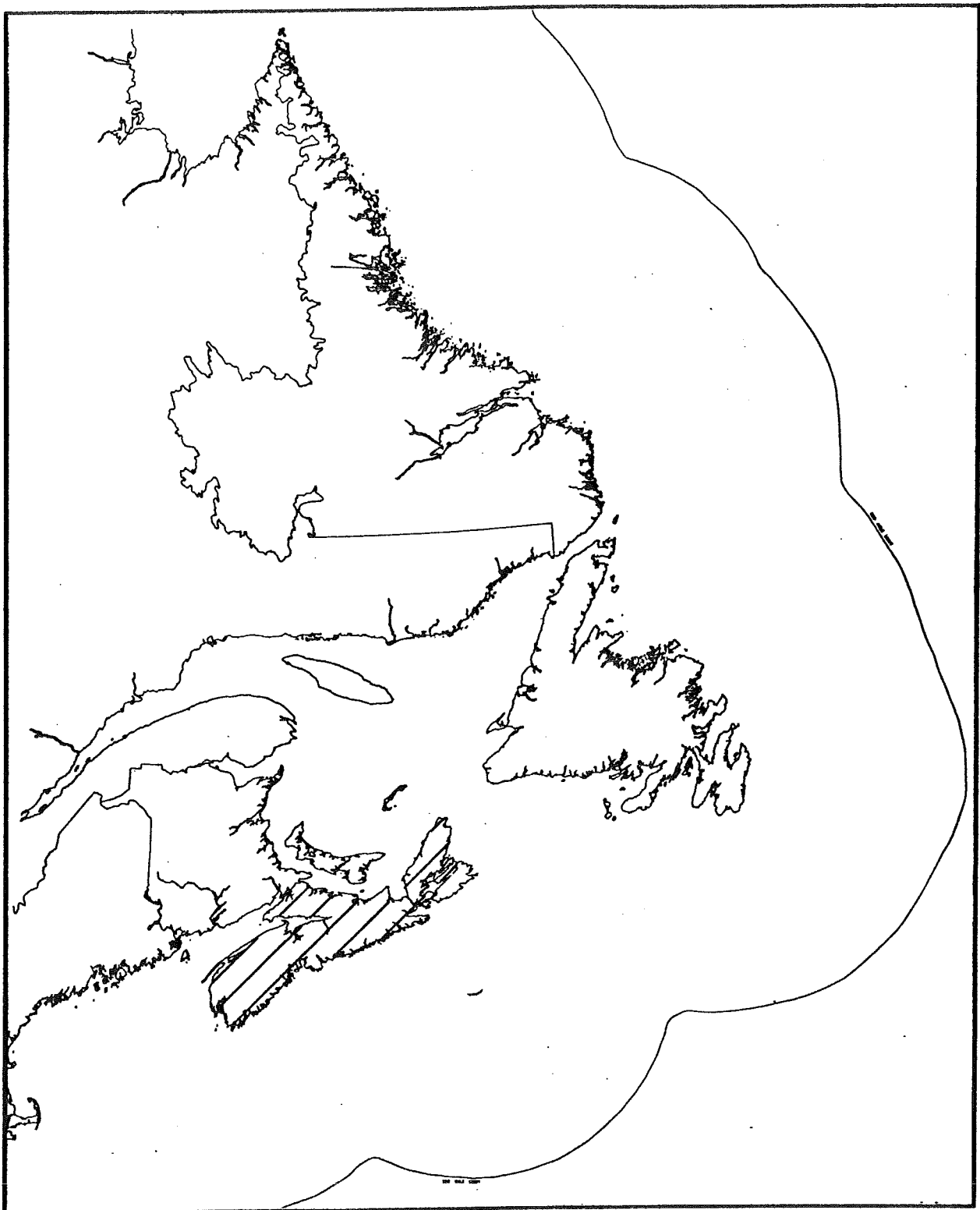


17. Signature: Not signed

Date:

1. **Database Title: Well Log Database Management System**
2. **Contact Person:**
Herb T. Doane or Andrew Cameron
Nova Scotia Department of the Environment
PO Box 2107
Halifax, Nova Scotia B3J 3B7
Tel (902) 424-5300; Fax (902) 424-0503
3. **Purpose:**
To maintain an inventory of water wells in the Province
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia - groundwater resources throughout the Province
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1961 to present
Updated as required
8. **Format:**
Digital: 1979 to present
Hard-copy: Booklets (prior to 1979) and paper
9. **Data Types/Parameters Measured:**
Physical: Owner information, well information, yield method, water status and use, stratigraphy, location, driller
10. **Sampling Procedures:**
Logs from all wells dug or drilled in Nova Scotia
11. **Program Type:**
Monitoring, survey and inventory
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system:
Software: dBASE III+, FOX BASE
15. **Comments:**
Update frequency depends on the input of well logs from licensed driller/diggers. Update involves adding to the data, old data does not change. Data entry is incomplete in 1988.

16. Map indicating areas of data holdings:



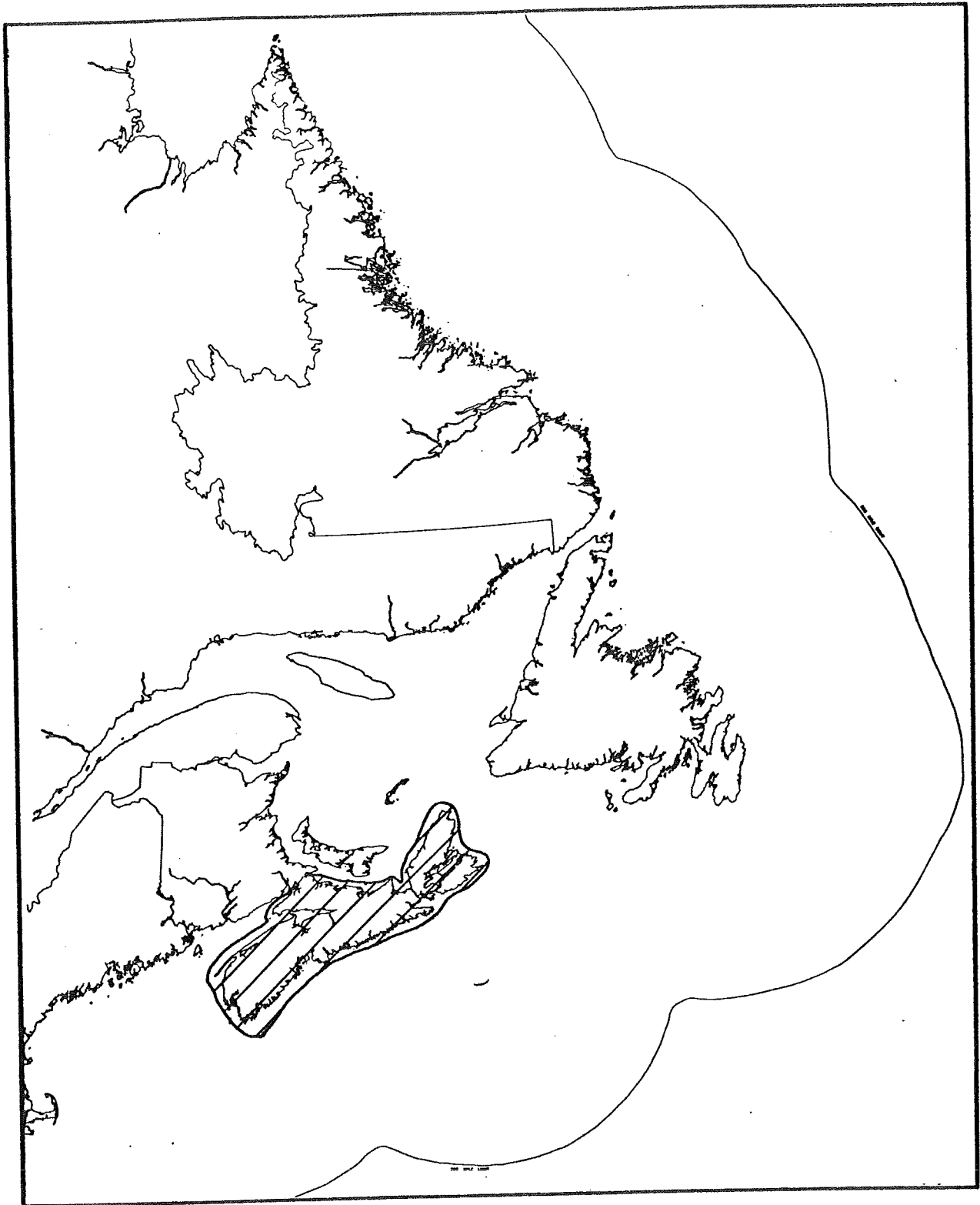
17. Signature: Not signed

Date:

8/7/92

1. **Database Title: Aquaculture Lease Information**
2. **Contact Person:**
Marilyn O'Neil
Aquaculture Administrator
Aquaculture and Inland Fisheries Division
Nova Scotia Department of Fisheries
PO Box 2223
Halifax, Nova Scotia B3J 3C4
Tel (902) 424-4560; Fax (902) 424-4671
3. **Purpose:**
To help administer provincial aquaculture program
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fee: None
Restrictions: Business information is restricted
5. **Geographical Coverage/Scale:**
Nova Scotia - coastal waters
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1986 to present
Updated continuously
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Location of lease
Chemical: Temperature, salinity
Biological: Biological-biomass, production, species grown
Economic: Licences, fees
10. **Sampling Procedures:**
Standard field sampling methods, some information is obtained from lease applications
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM
Operating system:
Software: GeoMATE for computer generated maps (in progress)
15. **Comments:**
Database information available at Nova Scotia Department of Fisheries offices in Halifax and Pictou.

16. Map Indicating areas of data holdings:

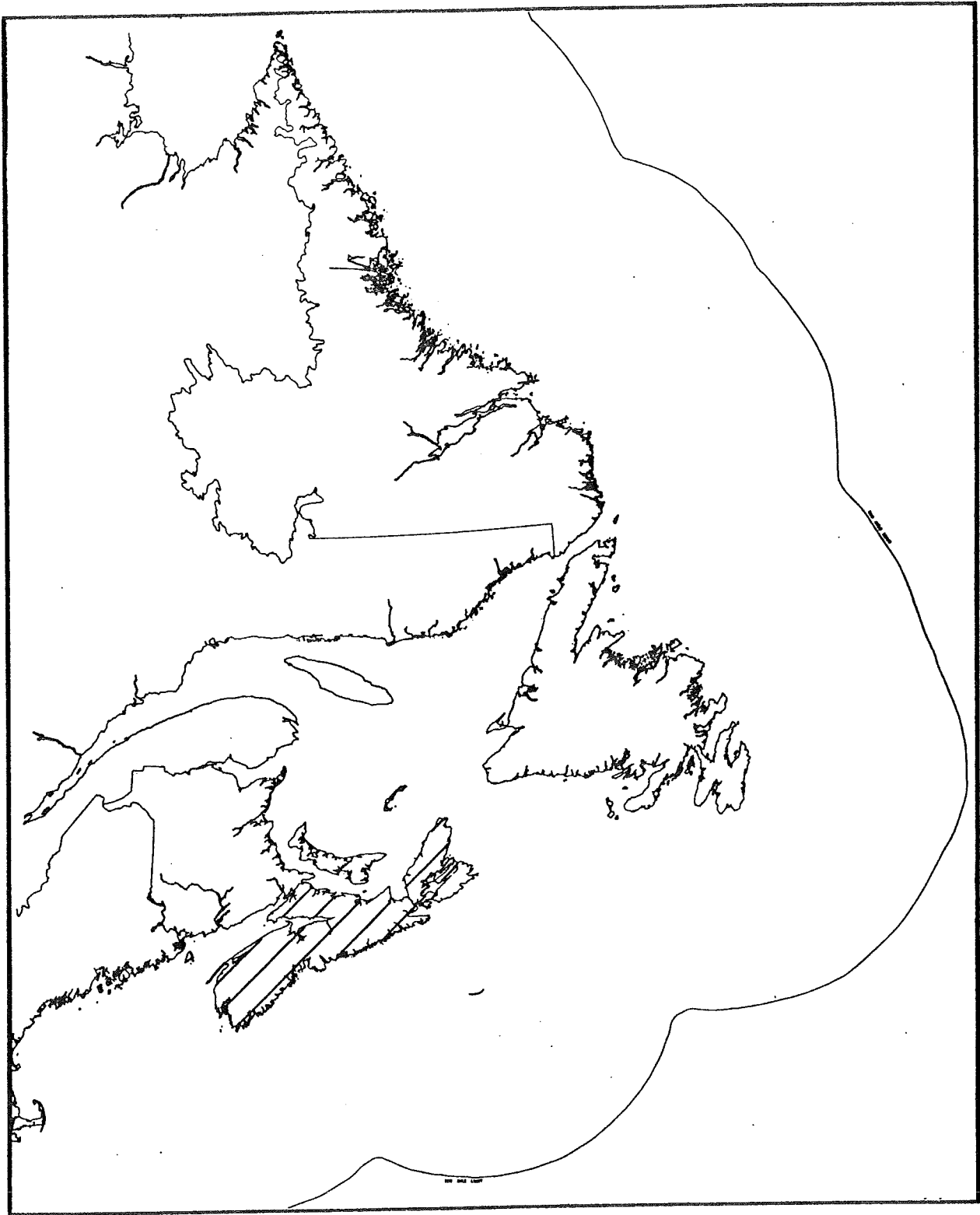


17. Signature: Verified

Date: July 31, 1992

1. **Database Title: Trout Management System**
2. **Contact Person:**
Alan McNeill
Fisheries Technician
Nova Scotia Department of Fisheries
PO Box 700
Pictou, Nova Scotia B0K 1H0
Tel (902) 485-7024, 485-5056; Fax (902) 485-4014
3. **Purpose:**
To manage information related to lake surveys, stream surveys and trout stocking in Nova Scotia
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fee: \$45/hour
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
Records generally available for June, September, January
Updated annually
8. **Format:**
Digital
Hard-copy: Maps for selected lakes and annual reports
9. **Data Types/Parameters Measured:**
Lake bathymetry, fish species, habitats, physical parameters, temperature, water quality, watershed, land use, recreation, dissolved oxygen, pH
10. **Sampling Procedures:**
On-site surveys
11. **Program Type:**
Monitoring, mapping and research
12. **Size/Growth:**
Approximately 1500 primary records of lake surveys. 27,000 individual stocking records; each record has 93 fields or approximately 950 characters per record.
3% Annual growth
13. **Environmental Legislation relevant to this data:**
Fisheries Act Canada
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: FOCUS and GeoMATE
15. **Comments:**

16. Map indicating areas of data holdings:

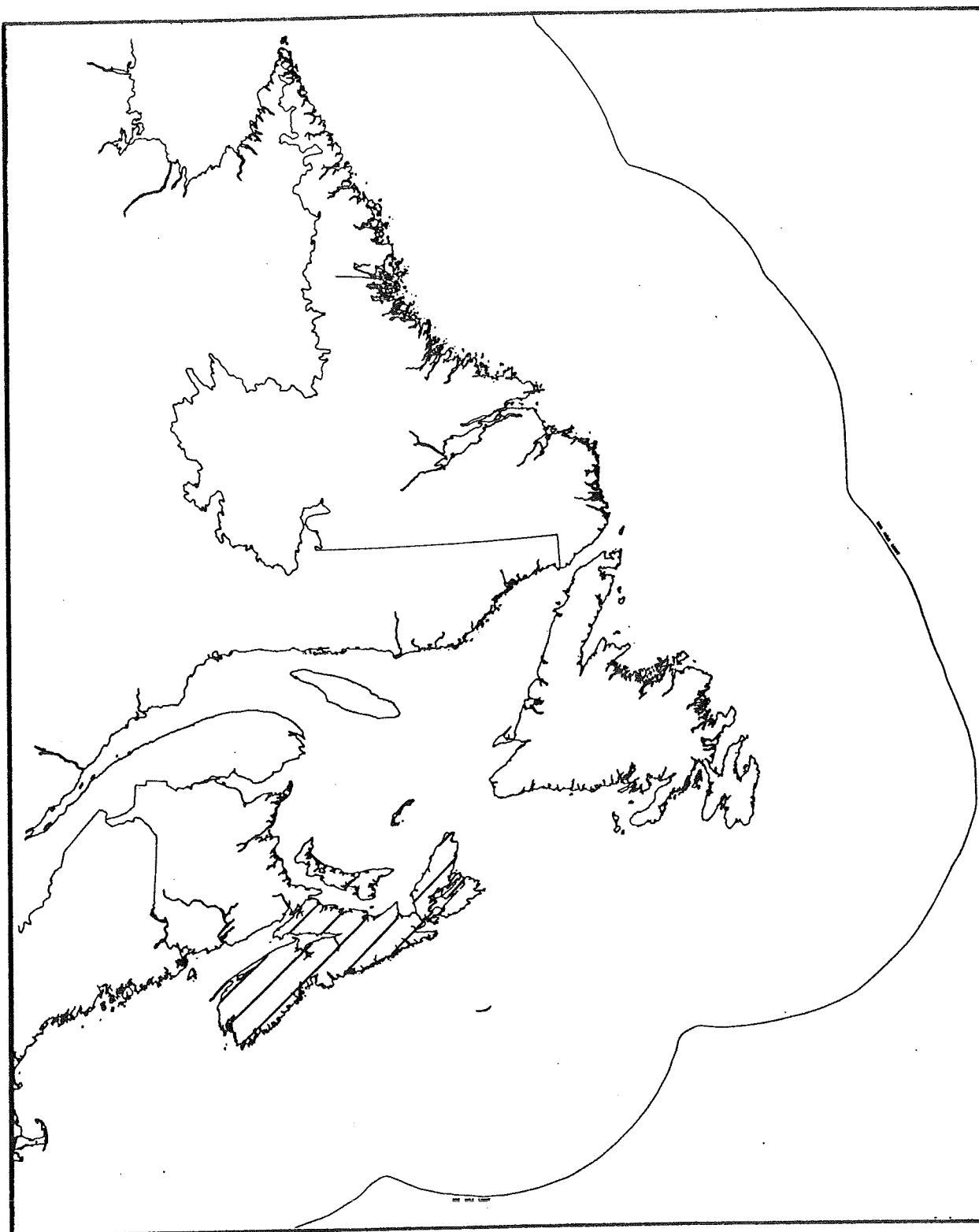


17. Signature: Verified

Date: July 21, 1992

1. **Database Title: Chemical Analysis of Municipal Water Supplies**
2. **Contact Person:**
Peter Casey
Department of Health
PO Box 488
Halifax, Nova Scotia B3J 2R8
Tel (902) 424-4300; Fax (902) 424-0558
3. **Purpose:**
To monitor the quality of municipal water supplies
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1973 to present
Updated annually
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Chemical: Complete chemical analysis
10. **Sampling Procedures:**
Sampled by officials of the Nova Scotia Department of Health according to approved methods
11. **Program Type:**
Monitoring
12. **Size/Growth:**
All municipal water supplies - approximately 70
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system: MS DOS 5.0
Software: dBASE III+
15. **Comments:**
Long term data used to determine trends in municipal water quality

16. Map Indicating areas of data holdings:

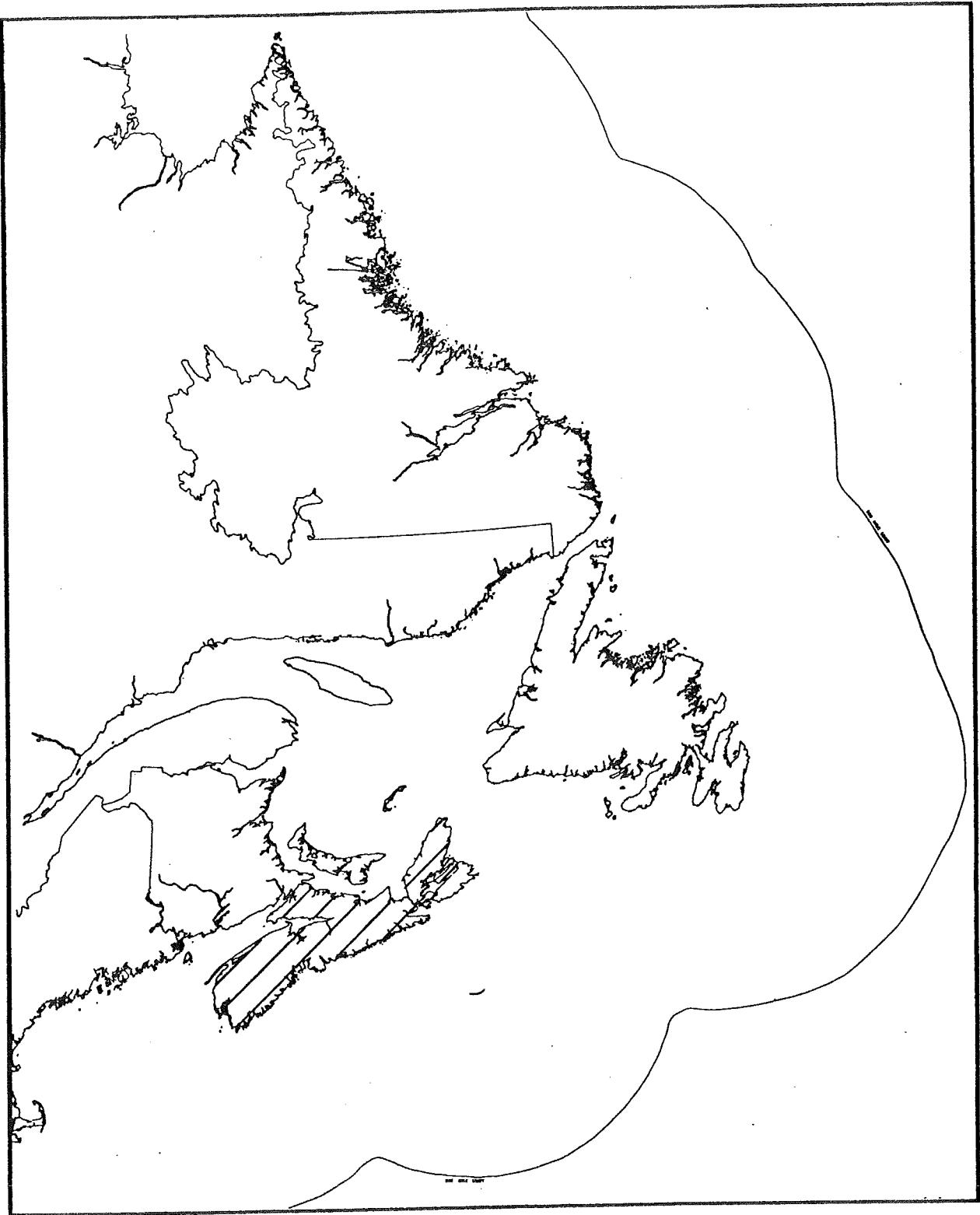


17. Signature: Verified

Date: July 14, 1992

1. **Database Title: Environmental Chemistry Database**
2. **Contact Person:**
R. McCurdy or D. Borgol
Environmental Chemistry Division
Victoria General Hospital
5788 University Avenue
Halifax, Nova Scotia B3H 1V8
Tel (902) 428-3464, (902) 428-3814
3. **Purpose:**
To store laboratory analysis records
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Variable depending on size of request
Restrictions: Some data is confidential
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1973 to present
Updated daily
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical: pH, temperature, suspended solids, colour, turbidity, conductivity
Chemical: over 200 water quality parameters including metals, major ions, nutrients, some organic contaminants
10. **Sampling Procedures:**
Grab and composite samples referred for analysis by government agencies, industry and the public
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP1000 (will be converted to series of networked IBM PCs)
Operating system:
Software:
15. **Comments:**
600,000 to 700,000 entries per year. Data can only be accessed by sample number. Database covers a wide variety of environmental investigations including acid rain data, municipal and private wells, leachate, industrial and municipal wastewater, limnology and groundwater studies.

16. Map indicating areas of data holdings:

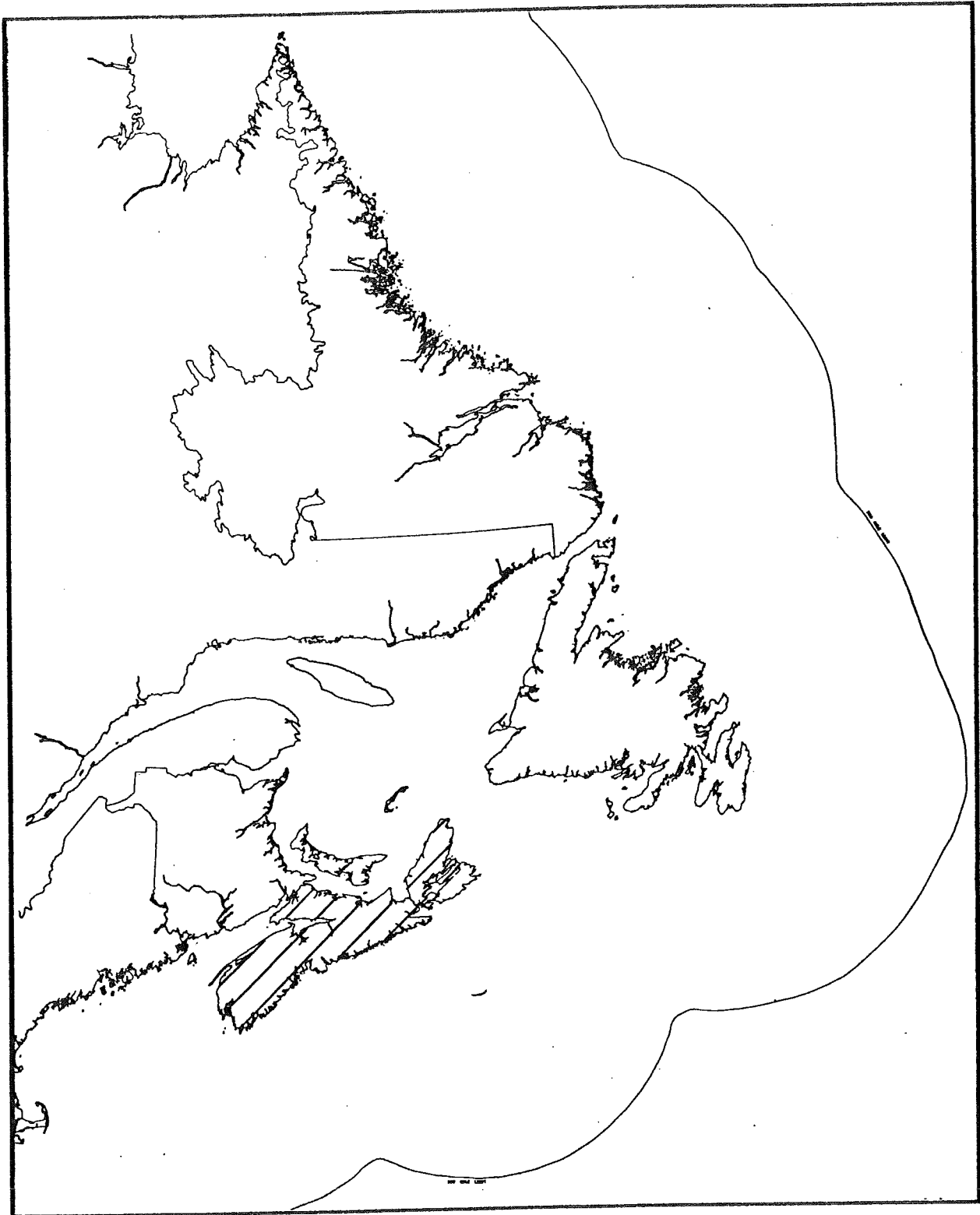


17. Signature: Unverified

Date:

1. **Database Title: Nova Scotia 1:250 000 Topographic Database**
2. **Contact Person:**
John Corning
Senior Programmer
Resource Information Division
Land Registration and Information Service (LRIS)
PO Box 310
16 Station Street
Amherst, Nova Scotia B4H 3Z5
Tel (902) 667-7231; Fax (902) 667-6008
3. **Purpose:**
To provide a digital topographic database of the Province of Nova Scotia
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: A fee is charged
Restrictions: Restricted to Nova Scotia government users
5. **Geographical Coverage/Scale:**
Province of Nova Scotia
Scales 1:250 000 and 1:50 000 windows as per National Topographic System index
6. **Geographical Referencing:**
Northing/Easting; NAD83
7. **Period of Record/Update Frequency:**
Varies; will be updated as required
8. **Format:**
Digital: Tape (1600 BPI/TK50) and Disk
9. **Data Types/Parameters Measured:**
Shoreline, lakes and rivers, basic topographic data, basic planimetric data; contains no text
10. **Sampling Procedures:**
Derived from digital files produced by scanning printing plates
11. **Program Type:**
Mapping
12. **Size/Growth:**
28 Megabyte; no growth
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX
Operating system: VMS
Software: CARIS V4.1 (GIS)
15. **Comments:**

16. Map Indicating areas of data holdings:

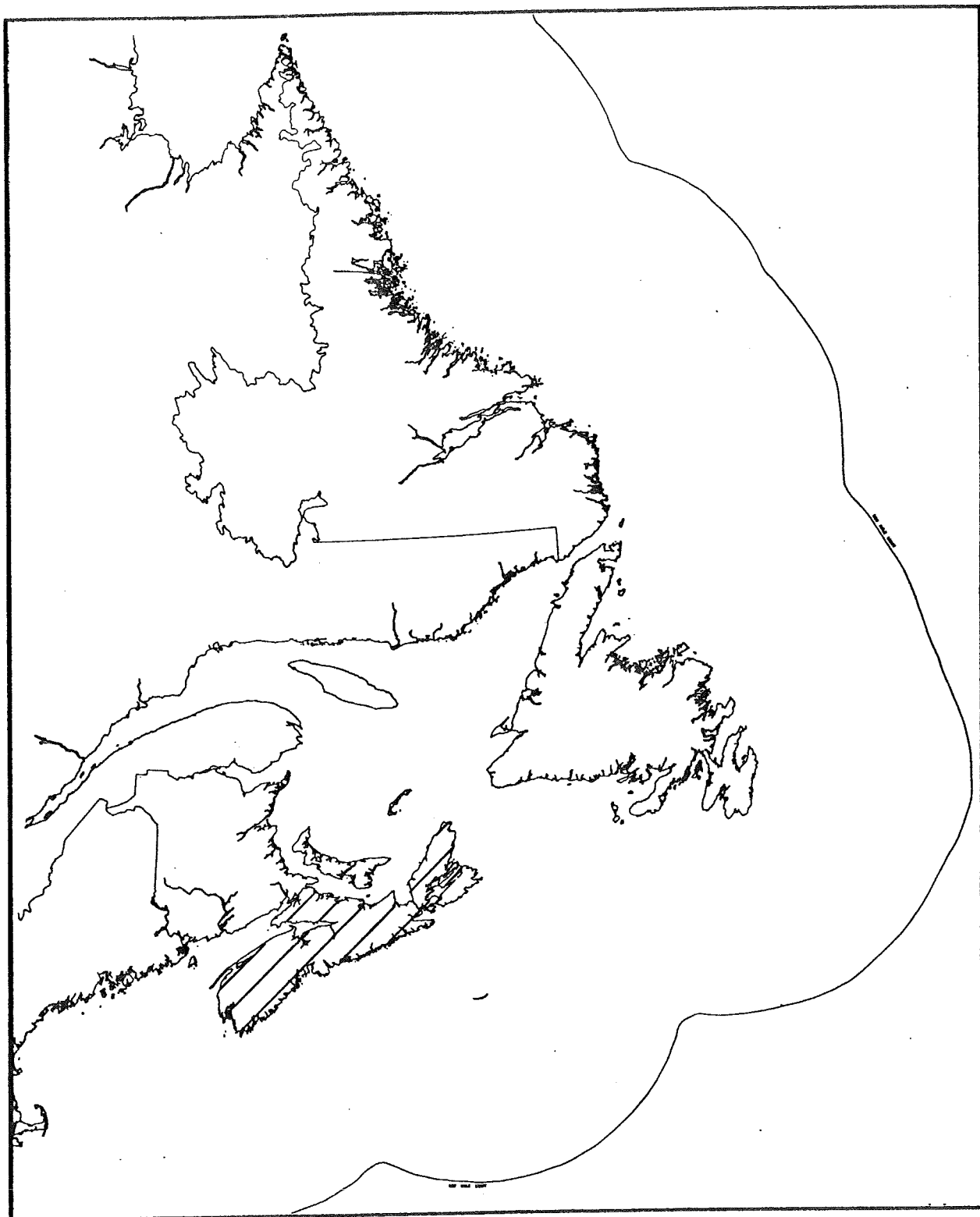


17. Signature: Verified

Date: August 28, 1992

1. **Database Title: Cadastral**
2. **Contact Person:**
Bob Bowlby
Supervisor, Mapping
Nova Scotia Department of Natural Resources
Torrington Place
780 Windmill Road
Dartmouth, Nova Scotia B3B 1T3
Tel (902) 424-3156; Fax (902) 424-0594
3. **Purpose:**
Crown land property inventory
Forestry planning
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
ATS77; 3 degree Modified Transverse Mercator
7. **Period of Record/Update Frequency:**
1985 to present
Updated annually
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Crown land properties: line, post and parcel data; Large private owners, i.e. those owning 400+ ha: name, address, parcel location; Small private lots under Forest Management Agreement: name, address and parcel location
10. **Sampling Procedures:**
Survey plan; LRIS property mapping; owner mapping
11. **Program Type:**
Mapping
12. **Size/Growth:**
Nova Scotia to be completed by the end of 1996
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Sunsparc 2
Operating system: UNIX
Software: ARC/INFO
15. **Comments:**

16. Map Indicating areas of data holdings:

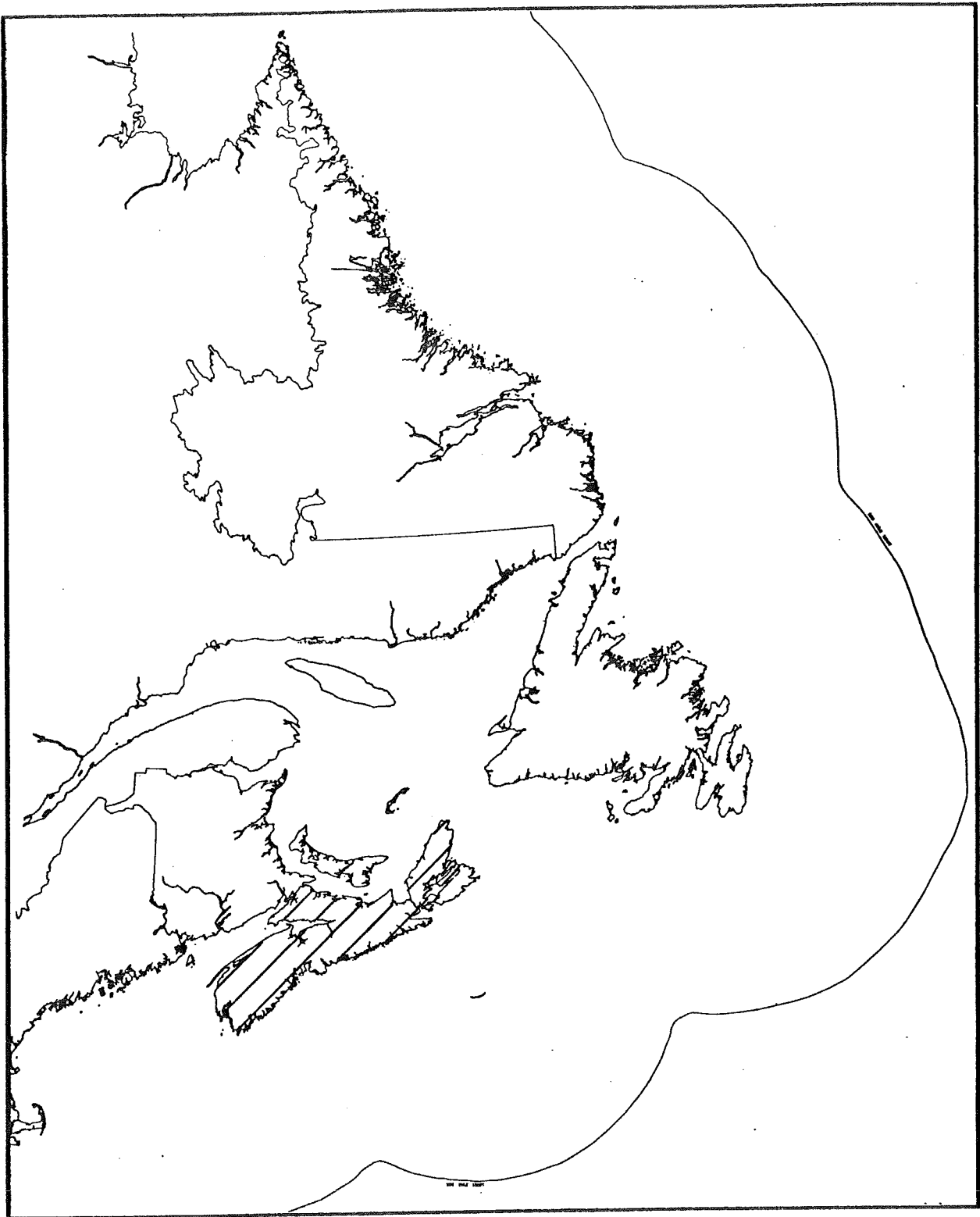


17. Signature: Verified

Date: August 28, 1992

1. **Database Title: Forest Data Base**
2. **Contact Person:**
Fred Wellings
Director, Forest Resources Planning and Mensuration
Nova Scotia Department of Natural Resources
PO Box 68
Truro, Nova Scotia B2N 5B8
Tel (902) 893-5710; Fax (902) 893-6102
3. **Purpose:**
Resource planning
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia
Scale 1:10 000
6. **Geographical Referencing:**
ATS77; 3 degree Modified Transverse Mercator
7. **Period of Record/Update Frequency:**
1985 to present
Updated annually
8. **Format:**
Digital
Hard-copy: Maps
9. **Data Types/Parameters Measured:**
Species, height, crown closure, basal area volume, average diameter, diameter distribution
10. **Sampling Procedures:**
Photo interpretation of 1:10 000 true colour airphotos.
Data check using field plots.
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Nova Scotia to be completed by the end of 1996
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Sunsparc 2
Operating system: UNIX
Software: ARC/INFO
15. **Comments:**

16. Map indicating areas of data holdings:

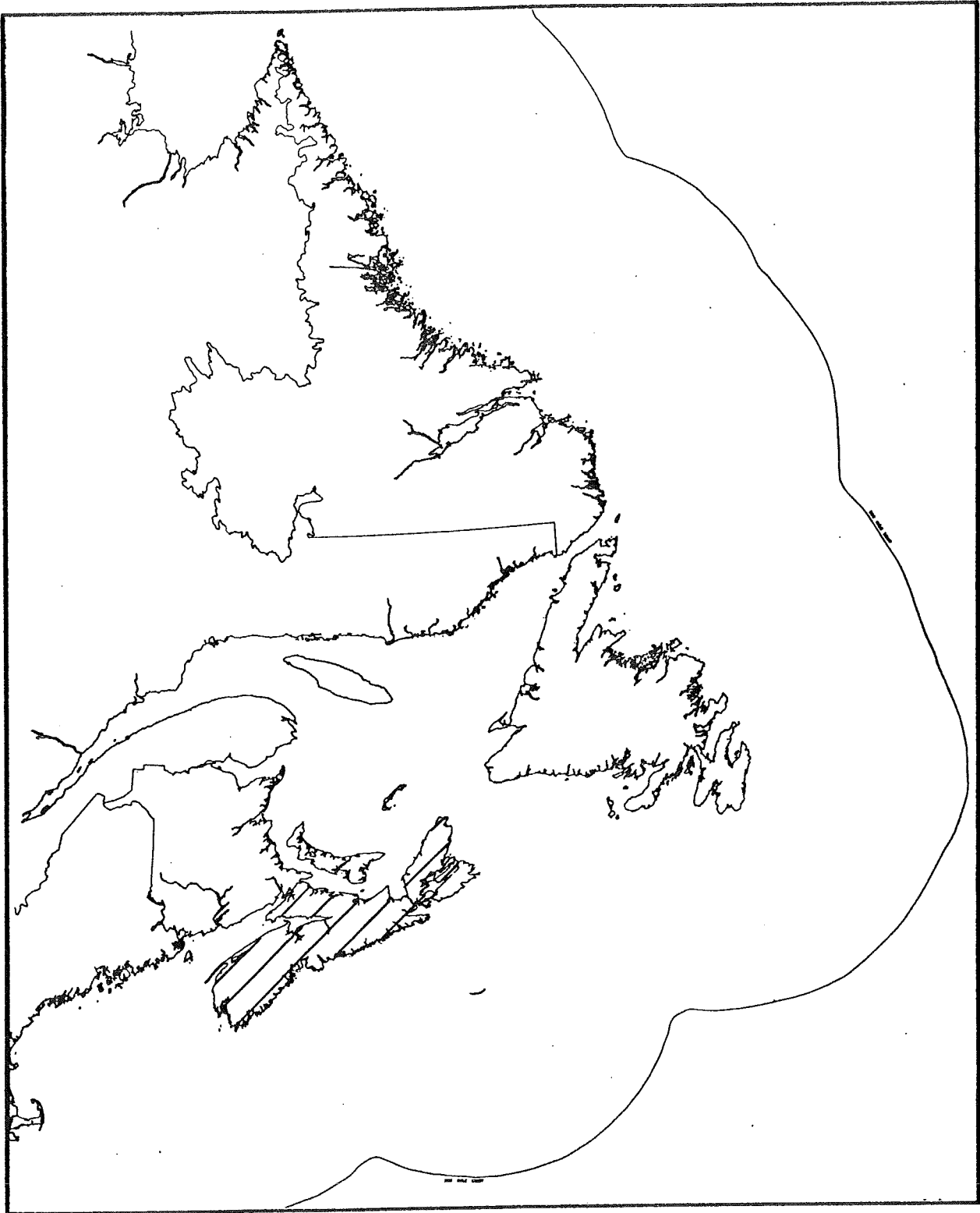


17. Signature: Verified

Date: August 28, 1992

1. **Database Title: Forest Production Statistics**
2. **Contact Person:**
Bill Barron or Fred Wellings
Nova Scotia Department of Natural Resources
PO Box 68
Truro, Nova Scotia B2N 5B8
Tel (902) 893-5712 (B. Barron); (902) 893-5710 (F. Wellings)
Fax (902) 893-6102
3. **Purpose:**
Forestry planning
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
None
7. **Period of Record/Update Frequency:**
Updated annually
8. **Format:**
Digital
Hard-copy: Annual report
9. **Data Types/Parameters Measured:**
Forest production in cubic metres by county, ownership class by product by species groups
10. **Sampling Procedures:**
Canvas of forest production mills and large land owners
11. **Program Type:**
12. **Size/Growth:**
1935 to 1991
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: FOCUS
15. **Comments:**

16. Map Indicating areas of data holdings:

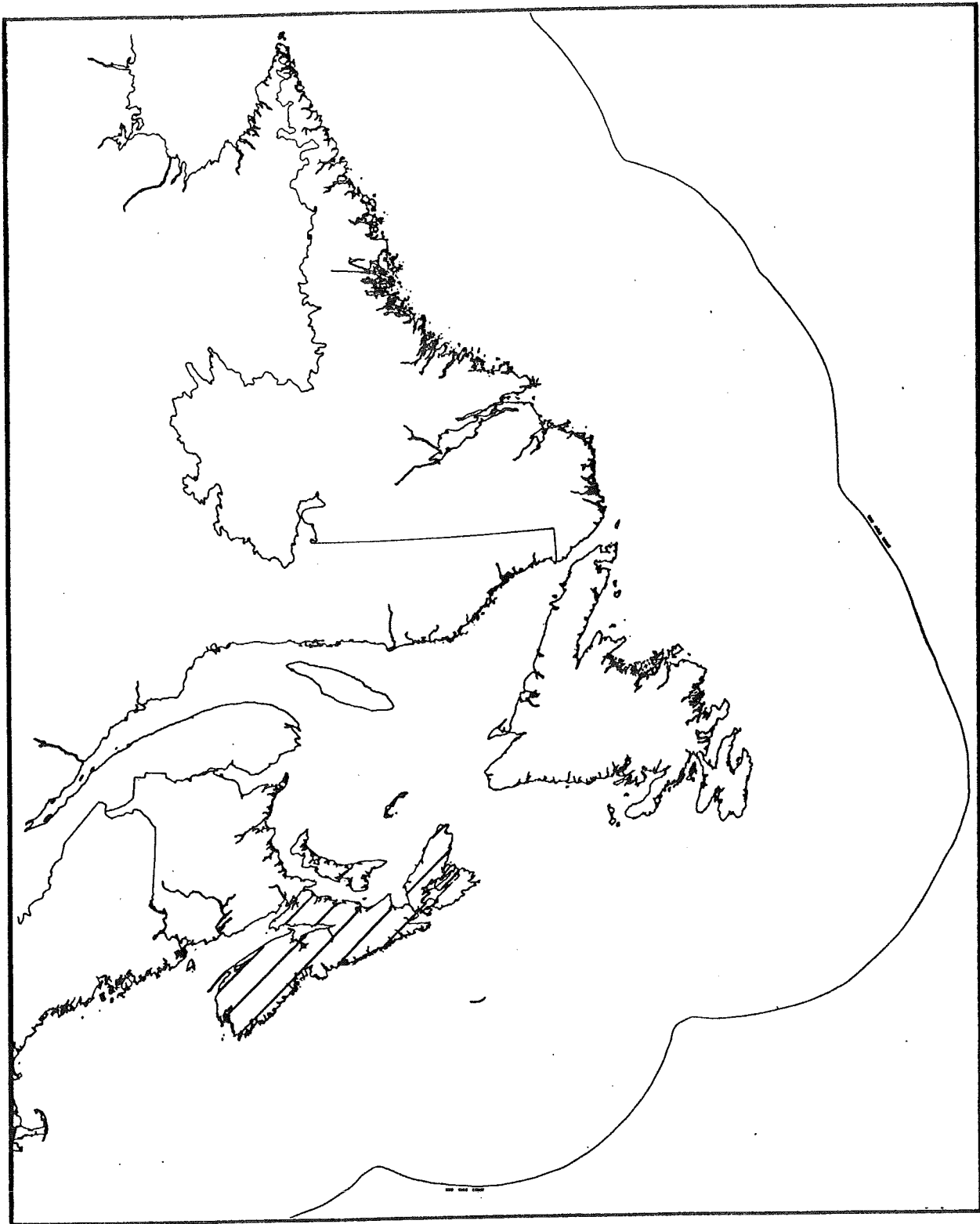


17. Signature: Verified

Date: August 28, 1992

1. **Database Title: Nova Scotia Forest Inventory**
2. **Contact Person:**
Fred Wellings
Nova Scotia Department of Natural Resources
PO Box 68
Truro, Nova Scotia B2N 5B8
Tel (902) 893-5710; Fax (902) 893-6102
3. **Purpose:**
Forest inventory and forest growth
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
None
7. **Period of Record/Update Frequency:**
Each inventory area re-inventoried every 10 years
Growth plots remeasured every 5 years
8. **Format:**
Hard-copy: Reports, maps 1965-71
9. **Data Types/Parameters Measured:**
Biological: Land use, species, tree volumes, forest products, growth
10. **Sampling Procedures:**
Photo interpretation and randomly located ground sample plots
11. **Program Type:**
Monitoring
12. **Size/Growth:**
10% of Nova Scotia re-inventoried each year
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM Mainframe (Provincial Government)
Operating system:
Software: Various
15. **Comments:**

16. Map Indicating areas of data holdings:

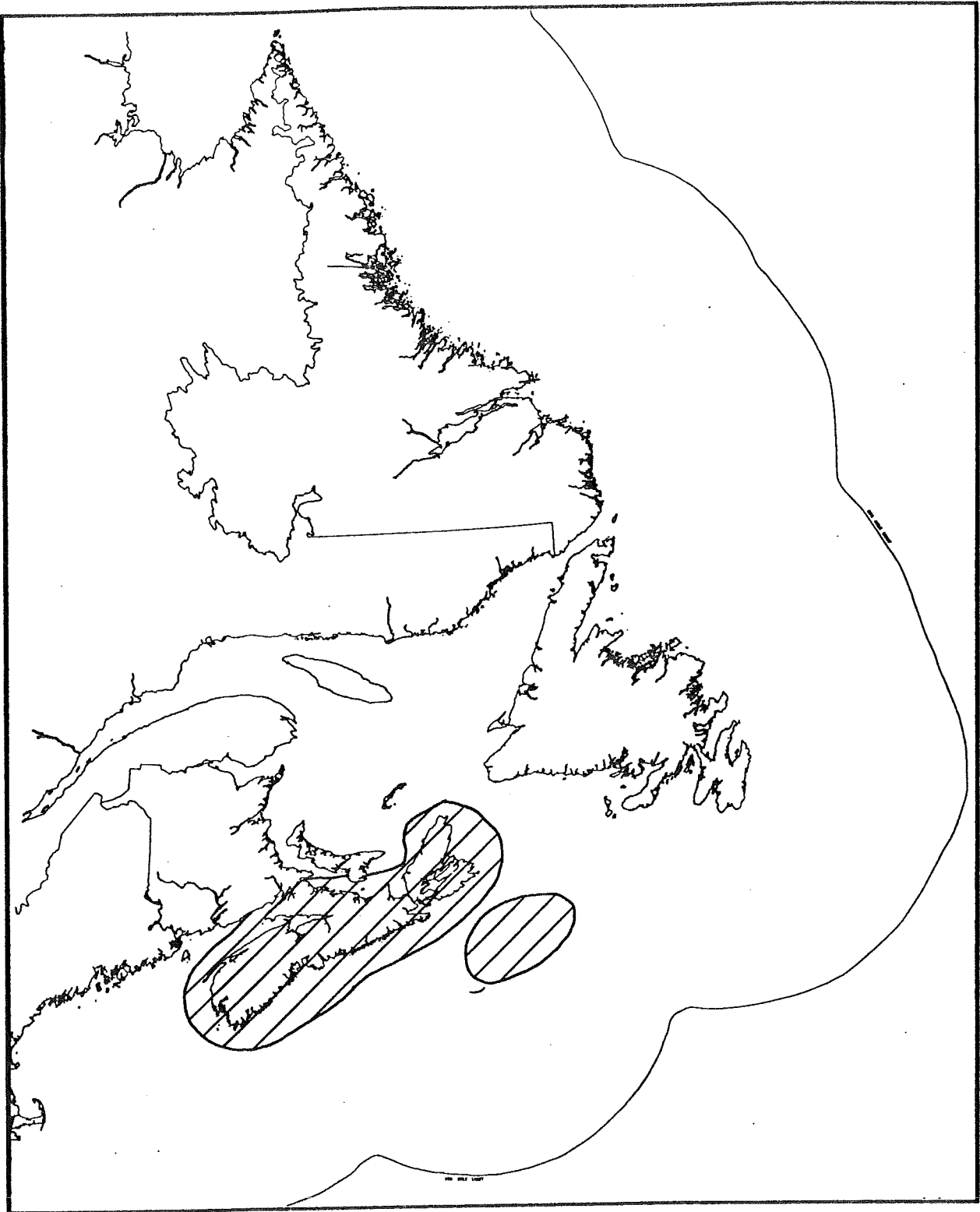


17. Signature: Verified

Date: August 28, 1992

1. **Database Title: Nova Scotia Geochemical Areas**
2. **Contact Person:**
Peter Rogers
NS Department of Natural Resources
PO Box 698
Halifax, Nova Scotia B3J 2T9
Tel (902) 424-4700
Fax (902) 424-0527
E-mail ROGERS.NODME (Envoy)
3. **Purpose:**
Mineral exploration/geological/environmental
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Transcription fee \$10 per survey
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
UTM
7. **Period of Record/Update Frequency:**
1956
Updated intermittently; usually yearly
8. **Format:**
Digital: ASCII
Hard-copy: Maps
Reports
9. **Data Types/Parameters Measured:**
Sediments, water, trace metals, geology, hazardous materials.
Specific data elements available upon request.
10. **Sampling Procedures:**
On-site surveys and geochemical conventions
11. **Program Type:**
Mapping, research and development, industrial/monitoring
12. **Size/Growth:**
30,000 records
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system:
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

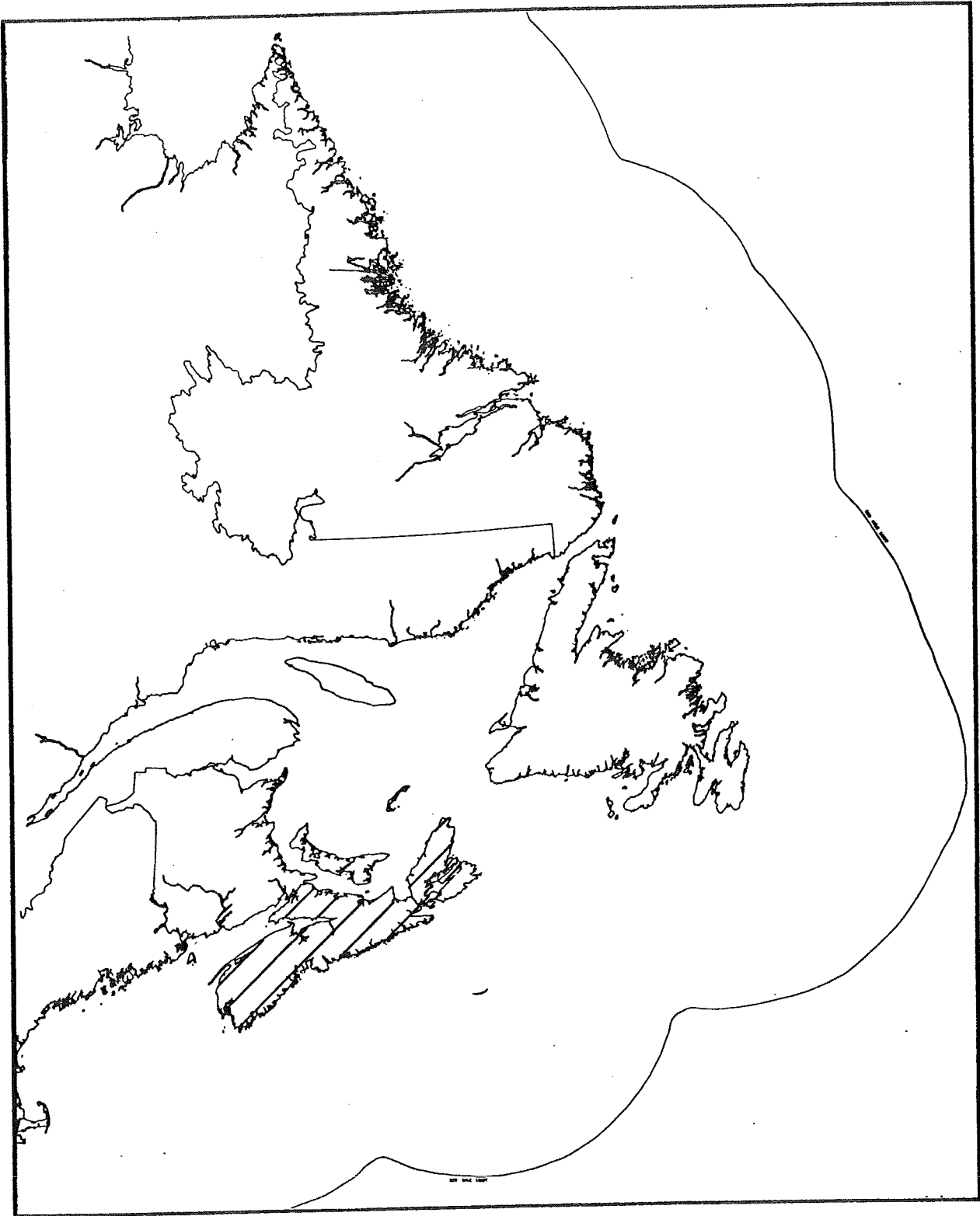


17. Signature: Verified

Date: October 8, 1992

1. **Database Title: Nova Scotia Peatlands Inventory**
2. **Contact Person:**
E. Bain
Department of Natural Resources
PO Box 1087
Halifax, Nova Scotia B3J 2X1
Tel (902) 424-5364, (902) 424-7680
3. **Purpose:**
To delineate Nova Scotia's peat resources
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: To be determined; Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographical Referencing:**
Longitude/Latitude
7. **Period of Record/Update Frequency:**
1979 to 1986; will not be updated
8. **Format:**
Digital: Stored on computer tape
Hard-copy: Regional classification maps, summary report, computer printout for each bog
9. **Data Types/Parameters Measured:**
Physical: Type, surface morphology, peat type, cross section and survey of bog, drainage, location, access recommended usage, peat volumes, peat physical and chemical analysis. Biological: Deposit surface vegetation classification and peat typing by biological constituents and humification.
10. **Sampling Procedures:**
Air photos, field surveys, grid sampling of deposits (500 metre grid/100 metre sample intervals) in conjunction with airphoto interpretation and mapping
11. **Program Type:**
Survey, mapping and classification
12. **Size/Growth:**
267 surveyed deposits; 33,087 ha area surveyed; 7604 survey sites; 16,872 metres peat core classified; approximately 800,000 records. Survey completed: no growth.
13. **Environmental Legislation relevant to this data:**
Crown Lands Management Policy
14. **Computer System:**
Host computer: PC
Operating system: MS DOS 5.0
Software: dBASE III+
15. **Comments:**
Most of the data is summarized in the publication "Evaluation of Nova Scotia's Peatland Resources" by A.R. Anderson and W.A. Broughm, N.S. Dept. of Mines and Energy Bulletin #6, 1988. The database exists in the form of raw data files and Summary/Report text files. There is no user interface to allow easy access to data.

16. **Map Indicating areas of data holdings:**

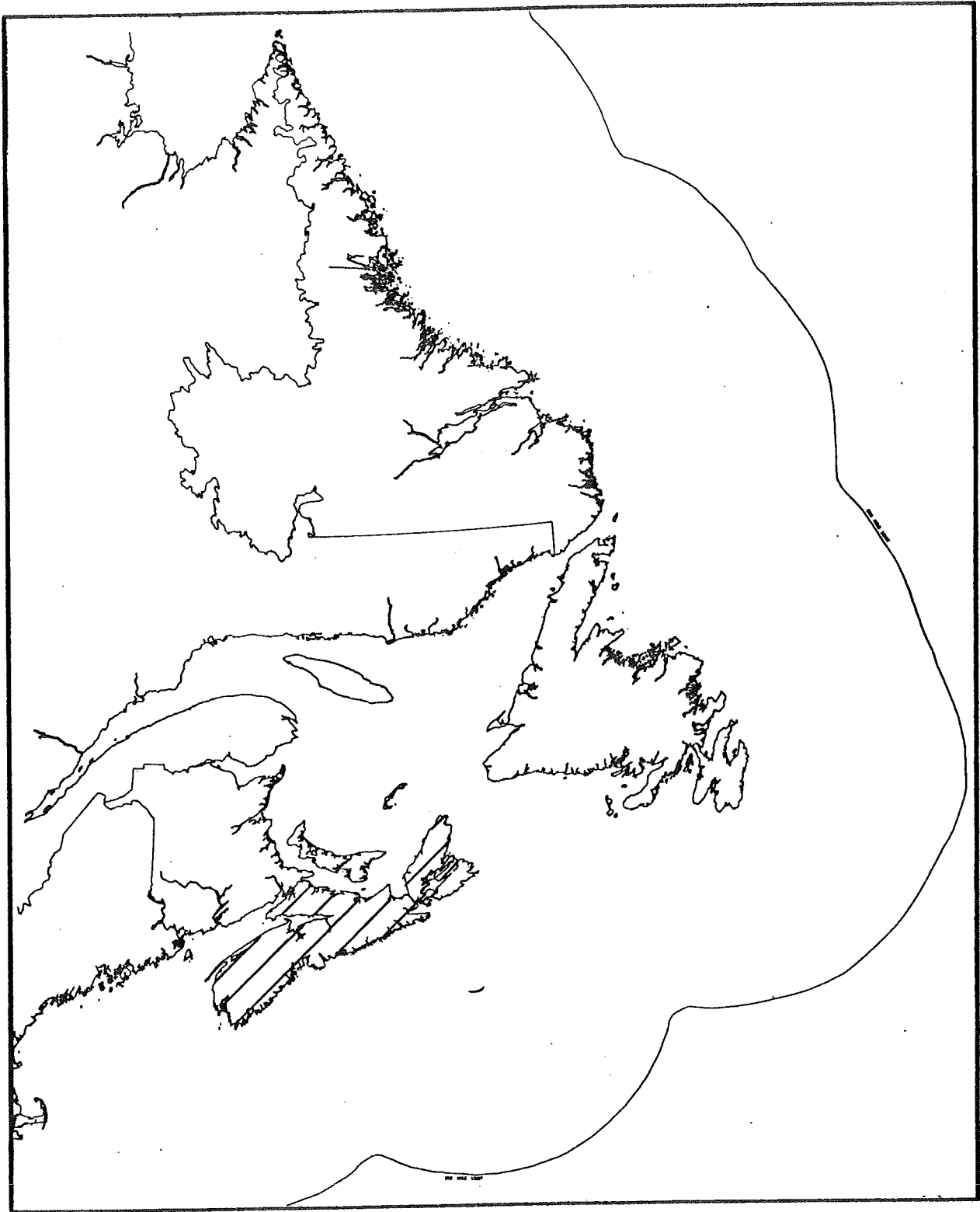


17. **Signature:** Not signed

Date: September 8, 1992

1. **Database Title: Wildlife Habitats - Other**
2. **Contact Person:**
B. Sabeau, S. Boates, A. Duke or T. Nette
Wildlife Division
Nova Scotia Department of Natural Resources
136 Exhibition Street
Kentville, Nova Scotia B4N 4E5
Tel (902) 679-6091; Fax (902) 679-6176
3. **Purpose:**
Used for corridor definition, pipeline route selection and on-site modification
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Unknown
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting
7. **Period of Record/Update Frequency:**
Recent information
Updated continuously
8. **Format:**
Hard-copy: Maps, files, reports
9. **Data Types/Parameters Measured:**
Physical, Chemical, and Biological: Location and major features (topography vegetation and wildlife) of island habitats and forest habitats for moose and deer, endangered species, eagles and colonial birds
10. **Sampling Procedures:**
Field surveys
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Information is also available on 800 lakes. The N.S. Dept. of Natural Resources also holds a list of provincial wildlife management areas and game sanctuaries.

16. Map indicating areas of data holdings:

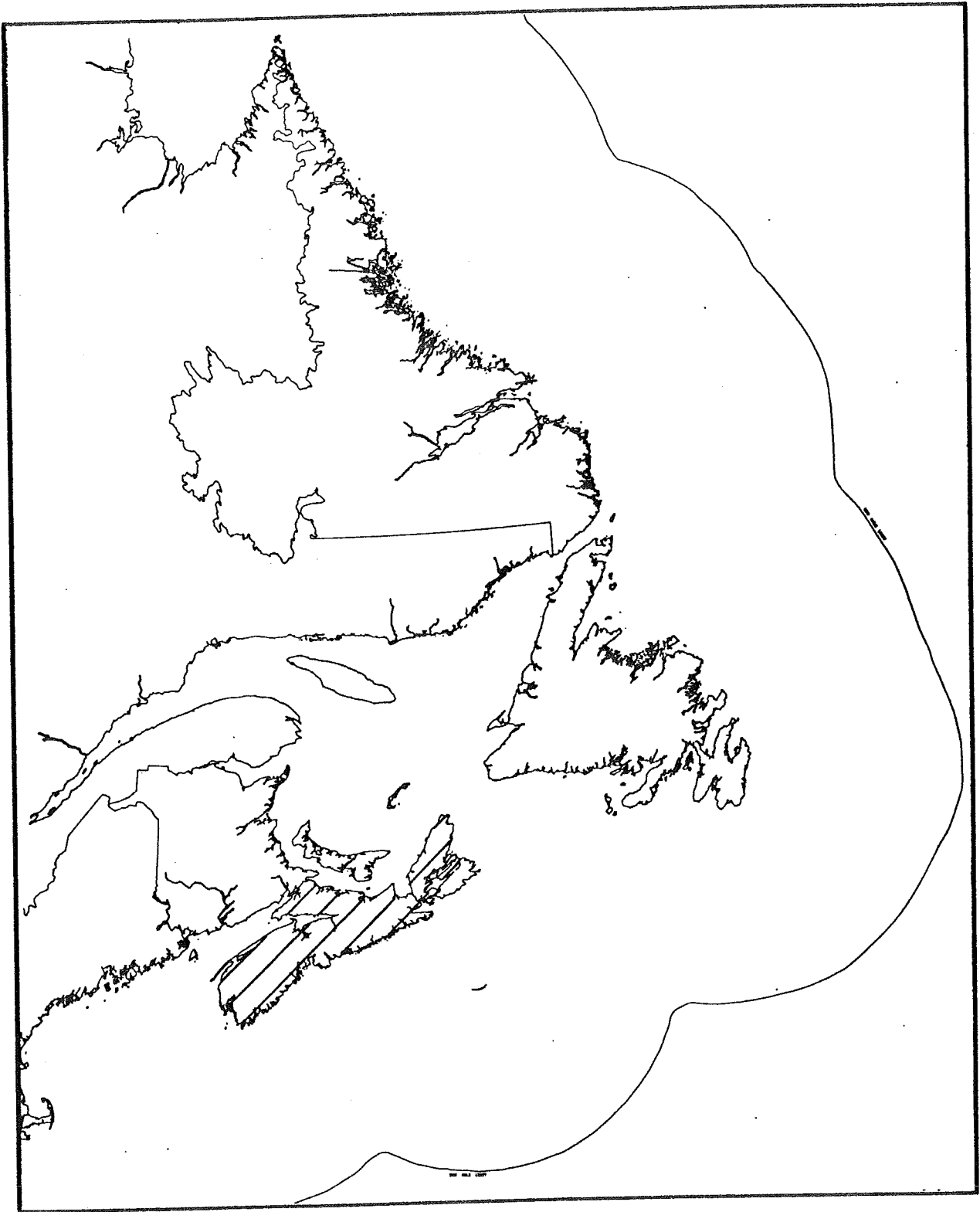


17. Signature: Verified

Date: August 11, 1992

1. **Database Title: Wildlife Habitats - Wetlands**
2. **Contact Person:**
R. Milton, R. Melanson
Wildlife Division
Nova Scotia Department of Natural Resources
136 Exhibition Street
Kentville, Nova Scotia B4N 4E5
Tel (902) 679-6091; Fax (902) 679-6176
3. **Purpose:**
To provide planners, e.g., pipeline contractors, municipalities and other developers with maps which identify some of the important wildlife habitats, i.e. Nova Scotia
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia - freshwater and coastal wetlands
Scale 1:50 000
6. **Geographical Referencing:**
Northing/Easting
7. **Period of Record/Update Frequency:**
Recent information
Unknown update frequency
8. **Format:**
Hard-copy: 1:50 000 and 1:100 000 maps
9. **Data Types/Parameters Measured:**
Biological: Size and major physio-chemical and biological characteristics of swamps, bogs, marshes and flood plains throughout Nova Scotia. Also includes salt marshes as well as delineating other wetland and coastal areas important to colonial seabirds, migratory birds, piping plover and bald eagles.
10. **Sampling Procedures:**
Airphoto interpretation with some on-site surveys
11. **Program Type:**
Inventory
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

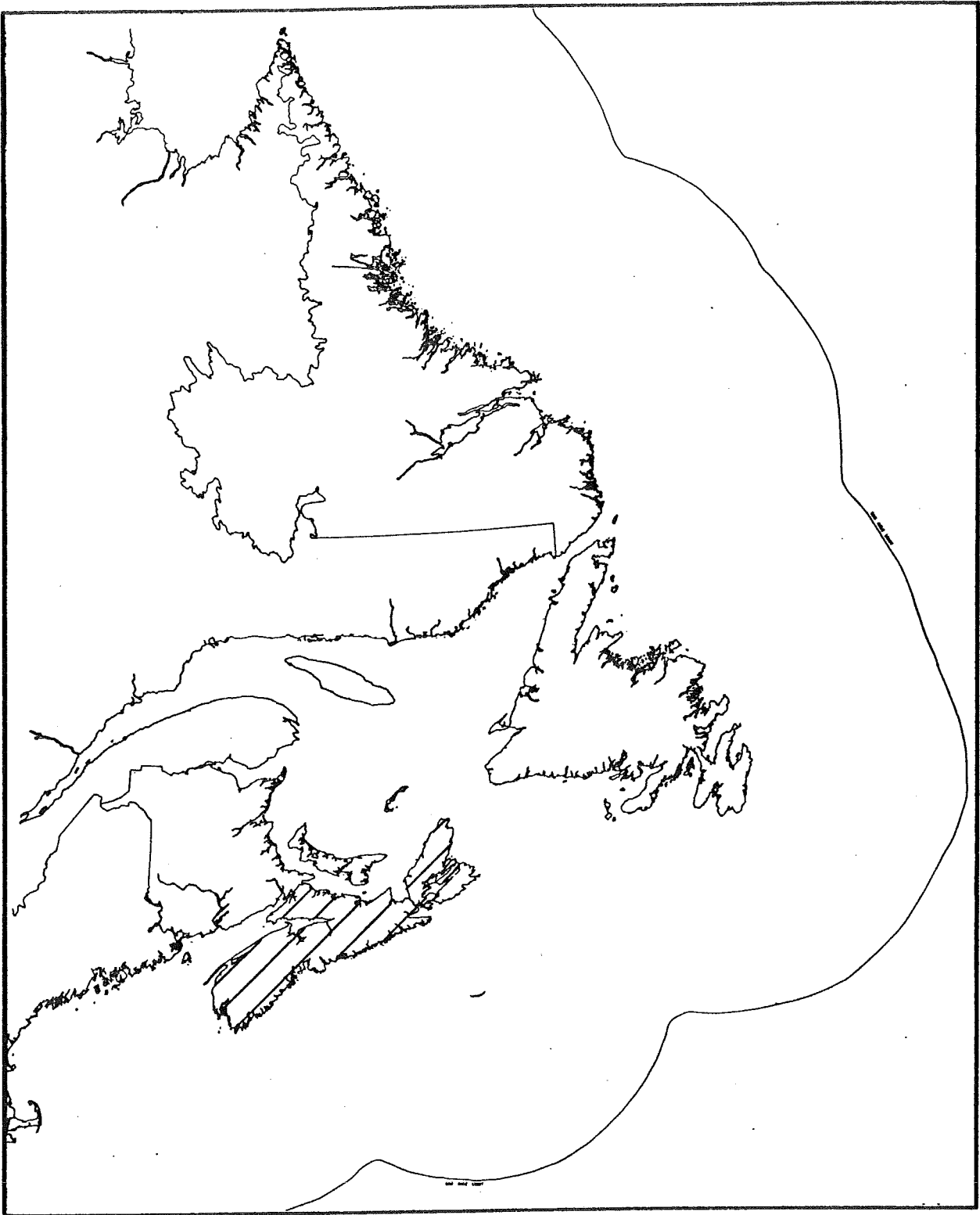


17. Signature: Verified

Date: August 11, 1992

1. **Database Title: Control Survey Database of Nova Scotia**
2. **Contact Person:**
Bill Robertson
Manager Database
Surveys and Mapping Division
Land Registration and Information Service (LRIS)
120 Water Street
Summerside, Prince Edward Island C1N 1A9
Tel (902) 436-2107; Fax (902) 436-1519
3. **Purpose:**
To provide a means of referencing the position of geographic features by their coordinates
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: A fee is charged
Restrictions: None
5. **Geographical Coverage/Scale:**
Province of Nova Scotia
6. **Geographical Referencing:**
Modified Transverse Mercator
7. **Period of Record/Update Frequency:**
Ongoing entry
8. **Format:**
Digital: Tape (1600 BPI/TK50) and Disk
Hard-copy
9. **Data Types/Parameters Measured:**
Horizontal and vertical coordinate values of a network of control survey monuments
10. **Sampling Procedures:**
On-site surveys
11. **Program Type:**
Mapping
12. **Size/Growth:**
25,000 records; 141 characters per record
1% growth per year
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX
Operating system: VMS
Software: Fortran
15. **Comments:**

16. Map indicating areas of data holdings:

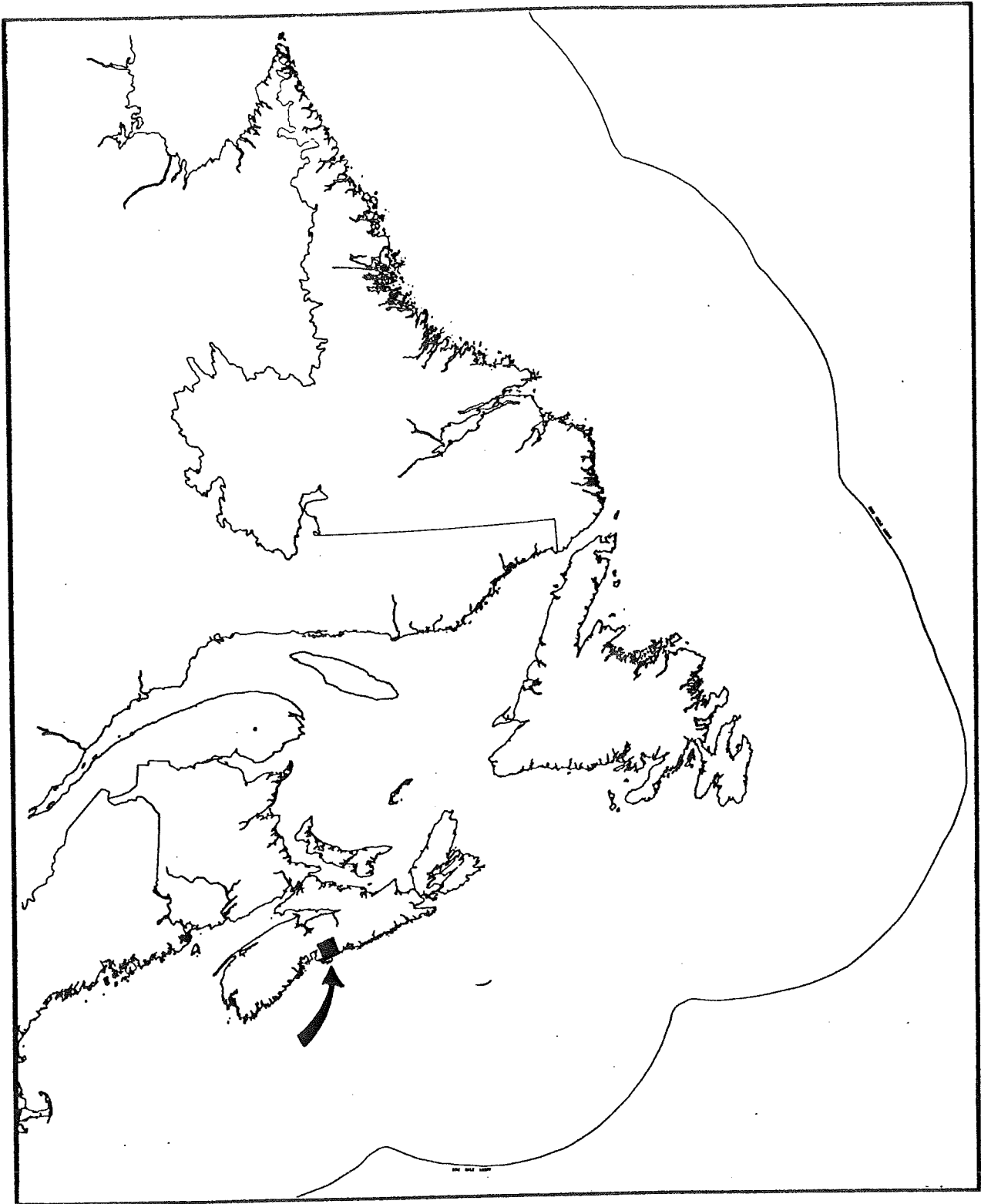


17. Signature: Verified

Date: August 28, 1992

1. **Database Title: Halifax/Dartmouth Commutershed Planimetric Database**
2. **Contact Person:**
John Corning
Senior Programmer
Resource Information Division
Land Registration and Information Service (LRIS)
PO Box 310
16 Station Street
Amherst, Nova Scotia B4H 3Z5
Tel (902) 667-7231; Fax (902) 667-6008
3. **Purpose:**
To provide a digital planimetric database of the Halifax/Dartmouth commutershed region
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: A fee is charged
Restrictions: None
5. **Geographical Coverage/Scale:**
Commutershed region of the cities of Halifax and Dartmouth
Scales 1:25 000 and 1:100 000
6. **Geographical Referencing:**
Northing/Easting
7. **Period of Record/Update Frequency:**
1989; will be updated as required
8. **Format:**
Digital: Tape (1600 BPI/TK50) and Disk
Hard-copy: Map
9. **Data Types/Parameters Measured:**
Planimetric information
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Mapping
12. **Size/Growth:**
7 Megabyte; no growth
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX
Operating system: VMS
Software: CARIS V4.1 (GIS)
15. **Comments:**

16. Map indicating areas of data holdings:

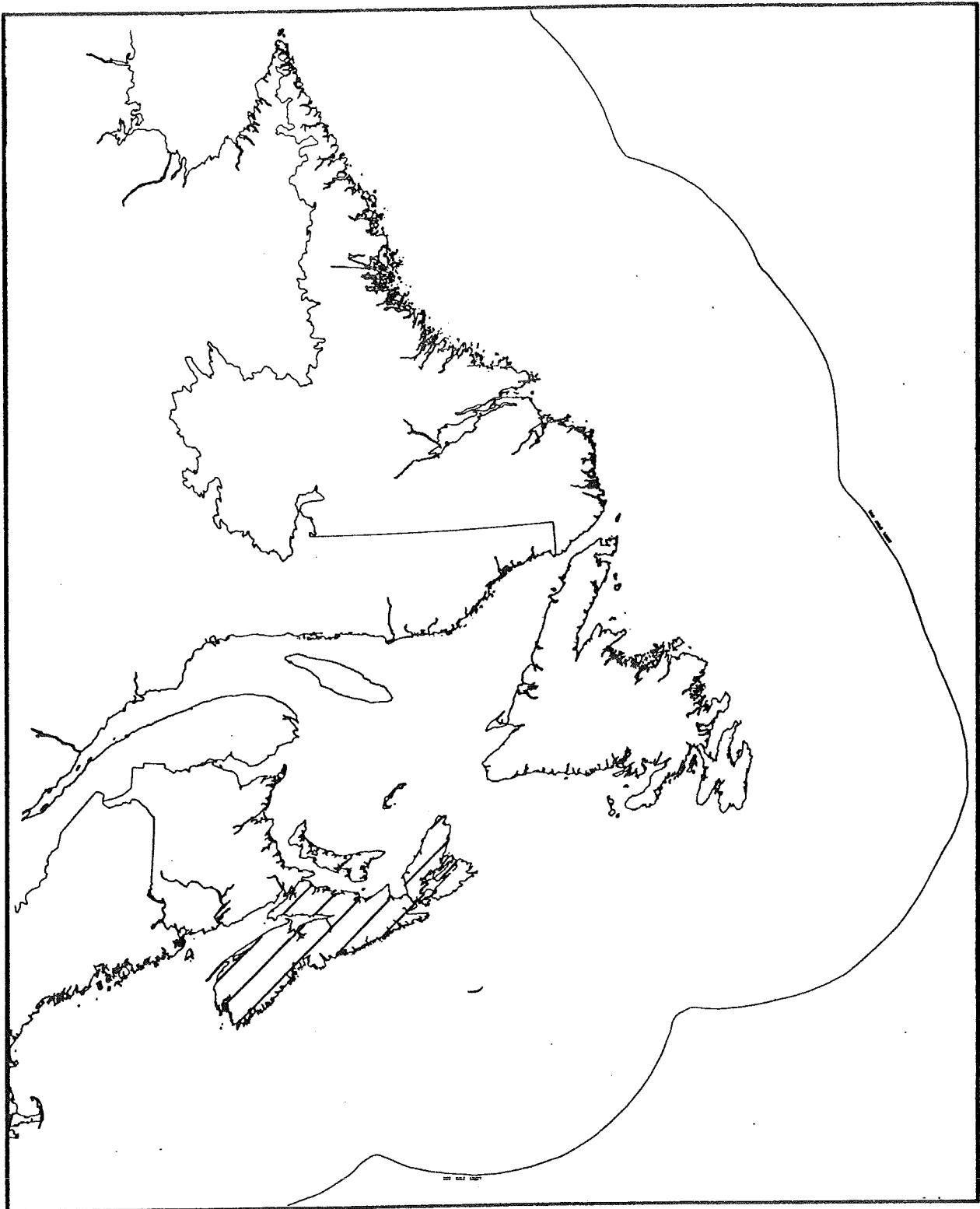


17. Signature: Verified

Date: August 28, 1992

1. **Database Title: Nova Scotia 1:500 000 Planimetric Database**
2. **Contact Person:**
John Corning
Senior Programmer
Resource Information Division
Land Registration and Information Service (LRIS)
PO Box 310
16 Station Street
Amherst, Nova Scotia B4H 3Z5
Tel (902) 667-7231; Fax (902) 667-6008
3. **Purpose:**
To provide a digital planimetric database of the Province of Nova Scotia at overview scale
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: A fee is charged
Restrictions: None
5. **Geographical Coverage/Scale:**
Province of Nova Scotia
Scale 1:500 000
6. **Geographical Referencing:**
Northing/Easting
7. **Period of Record/Update Frequency:**
1992; will be updated as required
8. **Format:**
Digital: Tape (1600 BPI/TK50) and Disk
Hard-copy: Map
9. **Data Types/Parameters Measured:**
Shoreline, major lakes and rivers, transportation network, county boundaries, reference grids, major cities and towns
10. **Sampling Procedures:**
Derived from the official Tourism/Highway Map of the Province of Nova Scotia
11. **Program Type:**
Mapping
12. **Size/Growth:**
1.5 Megabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX
Operating system: VMS
Software: CARIS V4.1 (GIS)
15. **Comments:**

16. **Map indicating areas of data holdings:**

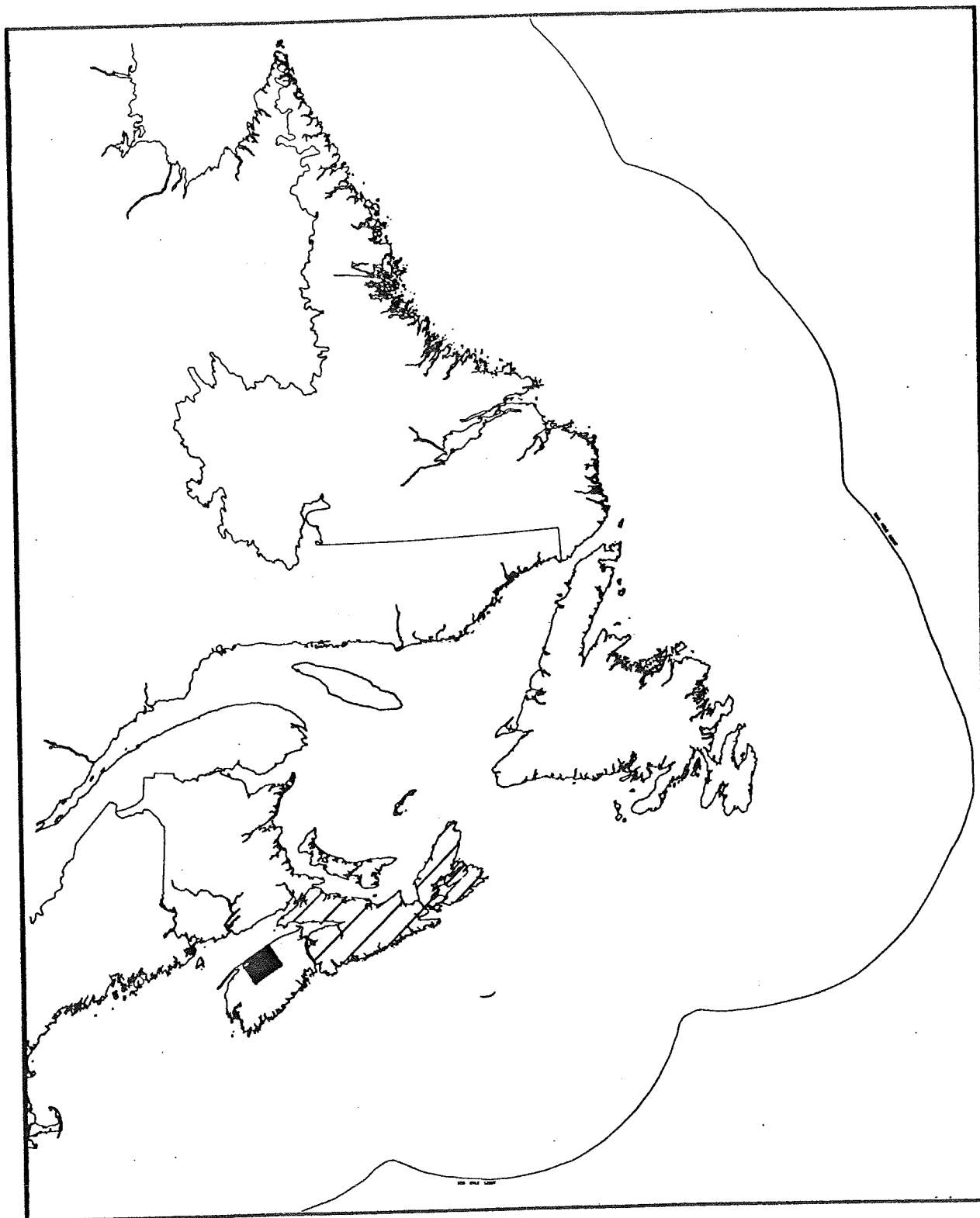


17. **Signature: Verified**

Date: August 28, 1992

1. **Database Title: NS Property Database**
2. **Contact Person:**
 Property Mapping Division
 Land Registration and Information Service (LRIS)
Headquarters:
 Halifax Peter Kittilsen Tel (902) 424-4021; Fax (902) 424-5872
Regional Offices:
 Halifax Danny Gray Tel (902) 424-5022; Fax (902) 424-5747
 New Glasgow Kevin Deaville Tel (902) 752-1331; Fax (902) 755-2822
 Sydney Dennis Jones Tel (902) 563-2280; Fax (902) 563-0503
 Western NS Dave Matheson Tel (902) 584-2267; Fax (902) 584-7256
 (Lawrencetown)
3. **Purpose:**
 To provide a map showing property parcel boundaries linked to attribute files describing ownership information, address, etc.
4. **Access/Fees/Restrictions:**
 Access: Through contact persons
 Fees: Price list available
 Restrictions:
5. **Geographical Coverage/Scale:**
 Complete coverage of the eastern two thirds of Nova Scotia
 Scales 1:1000 to 1:10 000
6. **Geographical Referencing:**
 Property Identification Number; ATS77 Datum; 3 degree Modified Transverse Mercator Projection
7. **Period of Record/Update Frequency:**
 Updated continuously
8. **Format:**
 Digital
 Hard-copy
9. **Data Types/Parameters Measured:**
 Land parcels, land ownership, administration boundaries, addresses
10. **Sampling Procedures:**
 Legal surveys, registered documents
11. **Program Type:**
 Monitoring land ownership transactions, mapping
12. **Size/Growth:**
 Approximately 7500 transactions recorded per year
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
 Host computer: DELL, IBM compatible PC
 Operating system: MS DOS, UNIX
 Software: CARIS, LORIS (Land Ownership Registry Index System), FOX PRO
15. **Comments:**

16. Map indicating areas of data holdings:

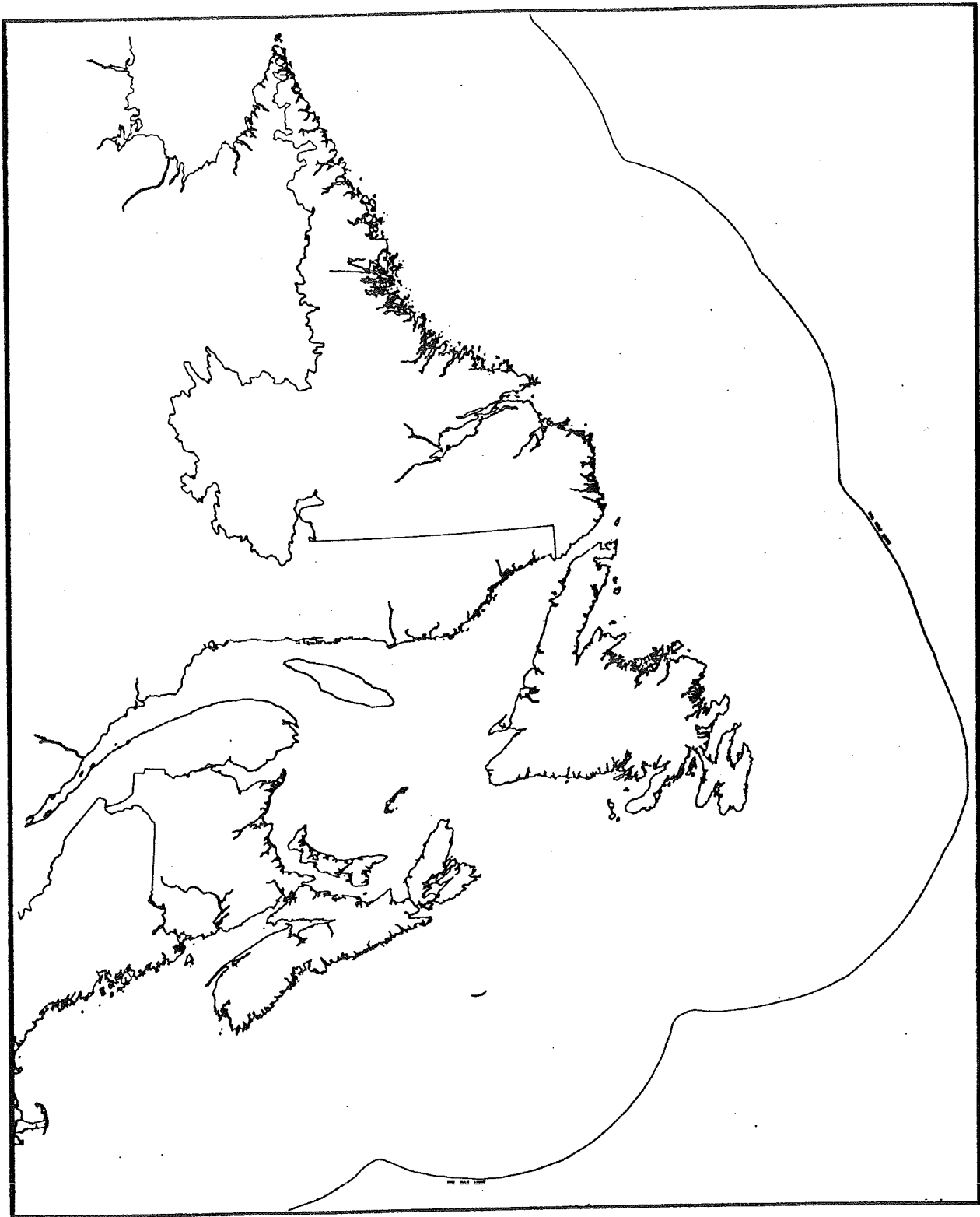


17. Signature: Verified

Date: October 15, 1992

1. **Database Title: Resource Topographic Database of Nova Scotia 1:10 000**
2. **Contact Person:**
John Corning
Senior Programmer
Resource Information Division
Land Registration and Information Service (LRIS)
PO Box 310
16 Station Street
Amherst, Nova Scotia B4H 3Z5
Tel (902) 667-7231; Fax (902) 667-6008
3. **Purpose:**
To provide a digital topographic database of the Province of Nova Scotia for the purpose of resource mapping
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: A fee is charged
Restrictions: None
5. **Geographical Coverage/Scale:**
Partial coverage of Nova Scotia (approximately 60%); anticipated completion date 1996; an index is available upon request.
Scale 1:10 000
6. **Geographical Referencing:**
Northing/Easting; Modified Transverse Mercator
7. **Period of Record/Update Frequency:**
Varies
8. **Format:**
Digital: Tape (1600 BPI/TK50) and Disk
Hard-copy: Maps
9. **Data Types/Parameters Measured:**
Topographic and planimetric information
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Mapping
12. **Size/Growth:**
250 Kilobyte per map sheet file
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX
Operating system: VMS
Software: CARIS V4.1 (GIS)
15. **Comments:**

16. Map Indicating areas of data holdings:

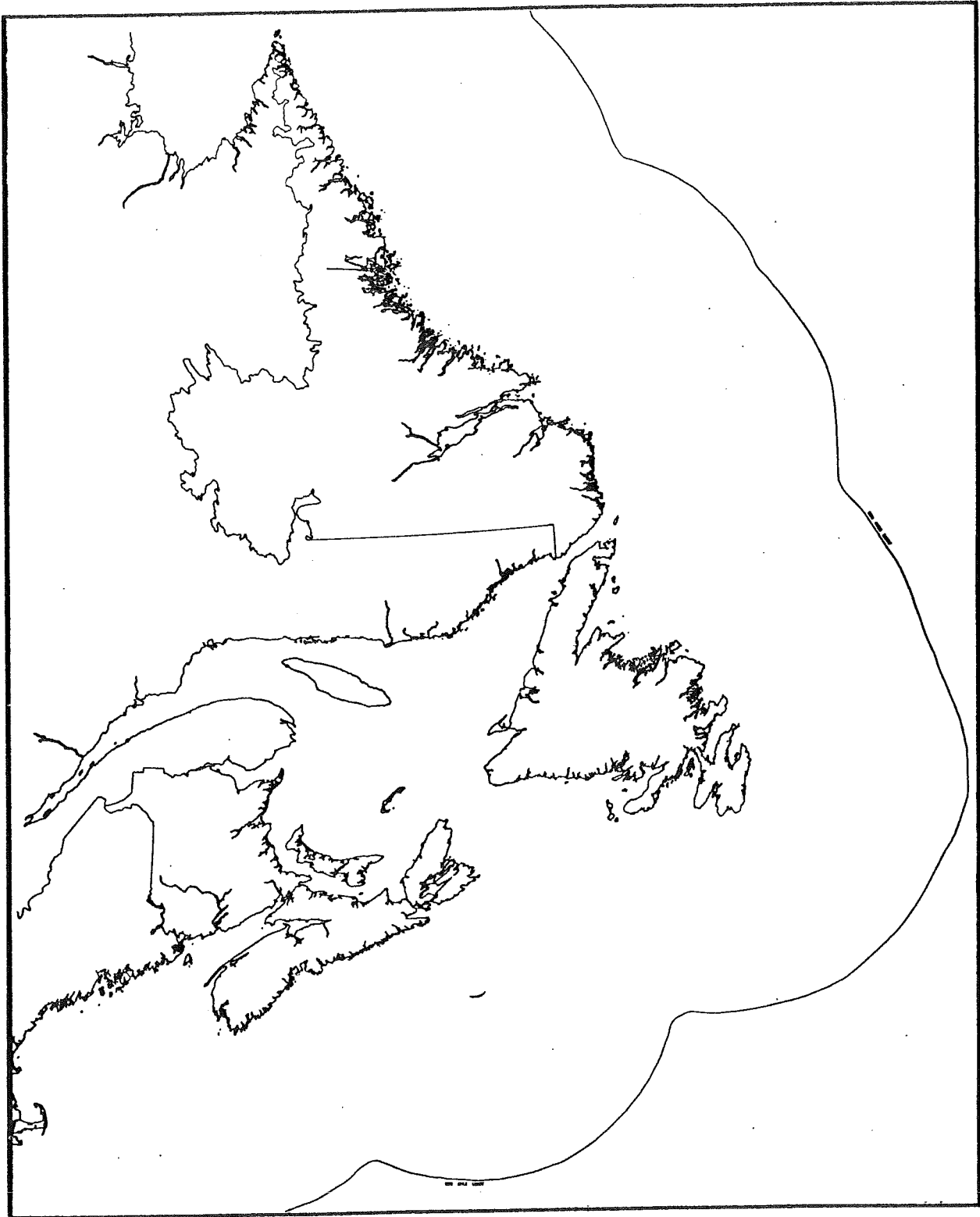


17. Signature: Verified

Date: August 28, 1992

1. **Database Title:** Urban Topographic Database of Nova Scotia 1: 2000
2. **Contact Person:**
John Corning
Senior Programmer
Resource Information Division
Land Registration and Information Service (LRIS)
PO Box 310
16 Station Street
Amherst, Nova Scotia B4H 3Z5
Tel (902) 667-7231; Fax (902) 667-6008
3. **Purpose:**
To provide a digital topographic database of the urban areas of the Province of Nova Scotia
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: A fee is charged
Restrictions: None
5. **Geographical Coverage/Scale:**
Urban areas of Nova Scotia
Scale 1:2000; Halifax/Dartmouth @ 1:1000
6. **Geographical Referencing:**
Northing/Easting; Modified Transverse Mercator
7. **Period of Record/Update Frequency:**
Varies
8. **Format:**
Digital: Tape (1600 BPI/TK50) and Disk
Hard-copy: Maps
9. **Data Types/Parameters Measured:**
Topographic and planimetric information
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Mapping
12. **Size/Growth:**
250 Kilobyte per map sheet file
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX
Operating system: VMS
Software: CARIS V4.1 (GIS)
15. **Comments:**

16. Map indicating areas of data holdings:



17. Signature: Verified

Date: August 28, 1992

**ATLANTIC
COASTAL ZONE
DATABASE DIRECTORY**

***Province of
Prince Edward Island***

**Version 1.0
October 1992**

The Atlantic Coastal Zone Database Directory is published by the Atlantic Coastal Zone Information Steering Committee (ACZISC). This portion of the Directory comprises the Province of Prince Edward Island's component of the Directory and represents the most up-to-date inventory of the Province's databases relevant to the Atlantic coastal zone. The information will be updated and expanded on a regular basis and provided through the ACZISC to those expressing an interest in our databases.

For more detailed information on specific databases of the Province of Prince Edward Island, please feel free to communicate with the contact persons identified on the inventory sheets. For general information on Prince Edward Island's database inventory and the Province's role on the ACZISC, please contact:

Jim Ramsay
Director
Real Property Records Division
PEI Department of Finance
PO Box 2000
Charlottetown, Prince Edward Island
Canada C1A 7N8

Tel (902) 368-4075
Fax (902) 368-4399

ATLANTIC COASTAL ZONE DATABASE DIRECTORY

PROVINCE OF PRINCE EDWARD ISLAND

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PROVINCE OF PRINCE EDWARD ISLAND

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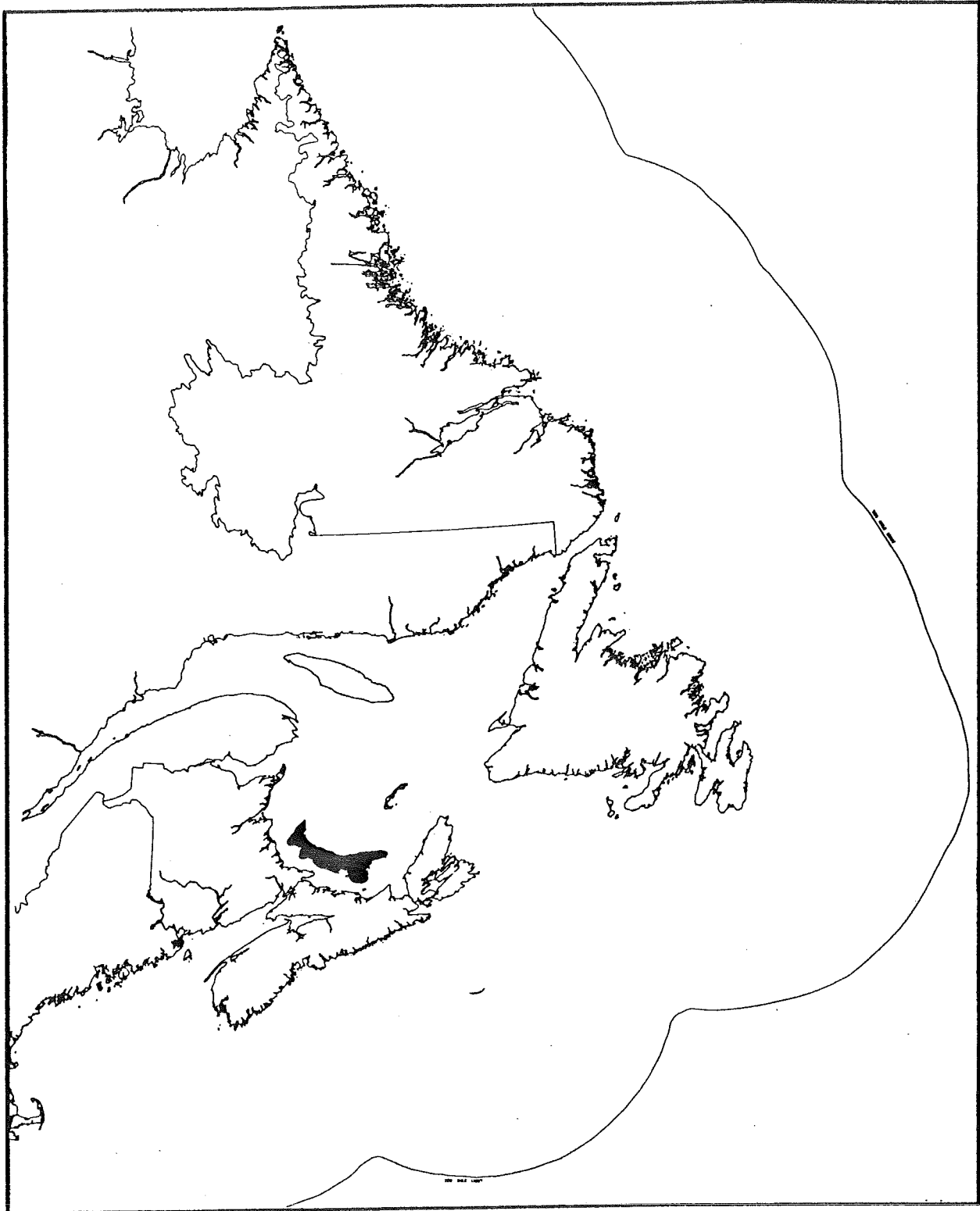
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1. **Database Title: Soils and Frost Risk Areas**
2. **Contact Person:**
Gwen Vessey
Engineering Technician
PEI Department of Agriculture
Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-5603; Fax (902) 368-5544
3. **Purpose:**
To record for analysis purposes, the varied soil types by location across the Province. Frost risk is determined and recorded by soil types and location.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Yet to be determined
Restrictions: None
5. **Geographical Coverage/Scale:**
Island wide coverage at 1:10 000 and 1:126 000 scales for soils data
Partial Island coverage at 1:10 000 scale for frost risk data
6. **Geographical Referencing:**
Grid and photo-based
7. **Period of Record/Update Frequency:**
1970 to 1980 for soils data
1950 to 1980 for frost risk data
8. **Format:**
Digital: ARC/INFO format on disk
Hard-copy
9. **Data Types/Parameters Measured:**
Soil types and slope delineation
10. **Sampling Procedures:**
On-site surveys
11. **Program Type:**
Surveys and mapping
12. **Size/Growth:**
Approximately 320 maps with 100-200 polygons, each with 29 fields
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: AutoCAD and TOPOS
15. **Comments:**

16. Map Indicating areas of data holdings:

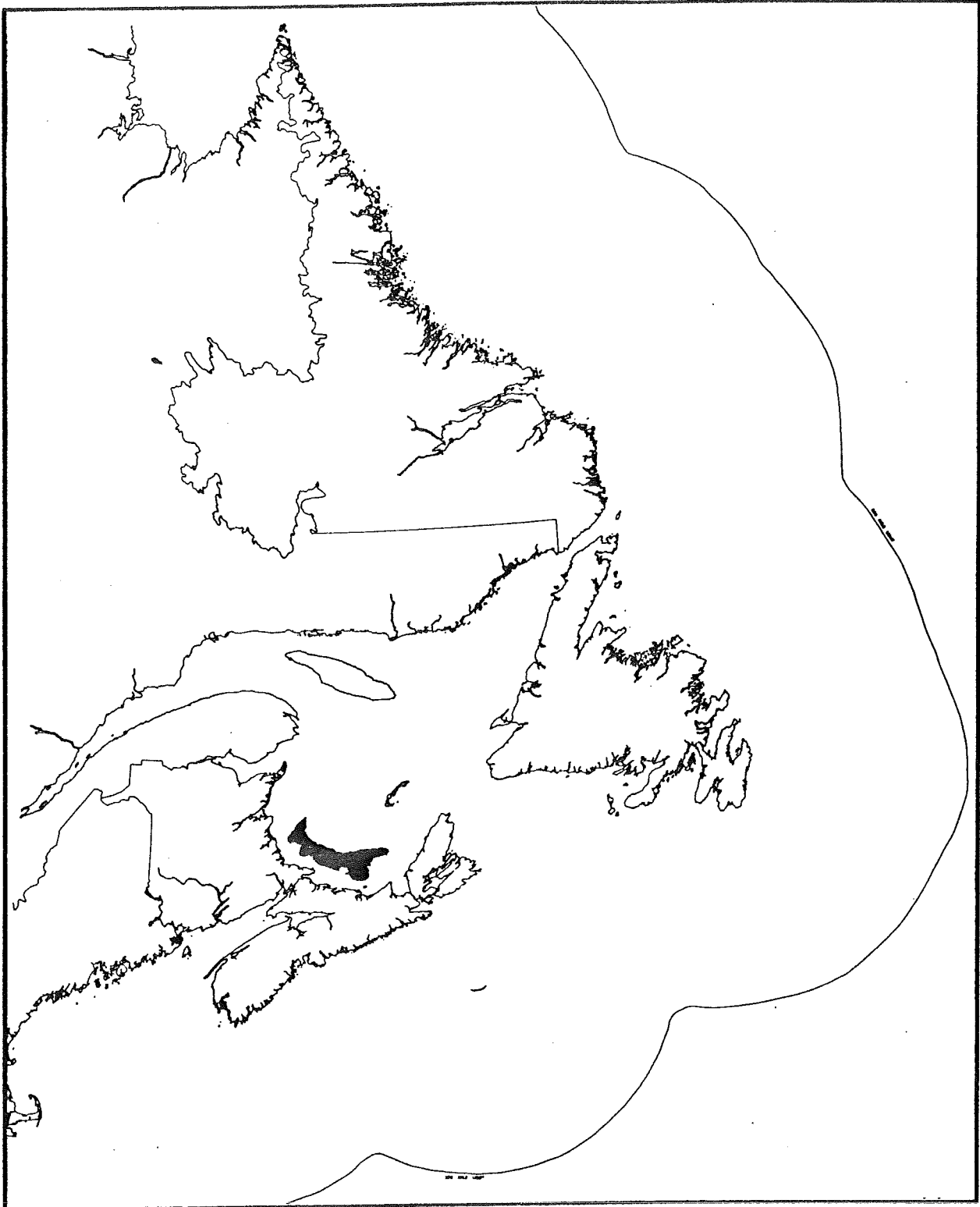


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: Building and Subdivision Permits**
2. **Contact Person:**
John Pickard
PEI Department of Community and Cultural Affairs
PO Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-4887; Fax (902) 368-5544
3. **Purpose:**
To control and monitor construction of buildings and subdivisions
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
Parcel numbers
7. **Period of Record/Update Frequency:**
1960's to present
Updated weekly
8. **Format:**
Hard-copy
9. **Data Types/Parameters Measured:**
Parcel, owner information, proposal information, septic, etc.
10. **Sampling Procedures:**
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 1000 building records and 11,000 subdivision records
13. **Environmental Legislation relevant to this data:**
Regulatory requirement
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: dBASE
15. **Comments:**

16. Map Indicating areas of data holdings:

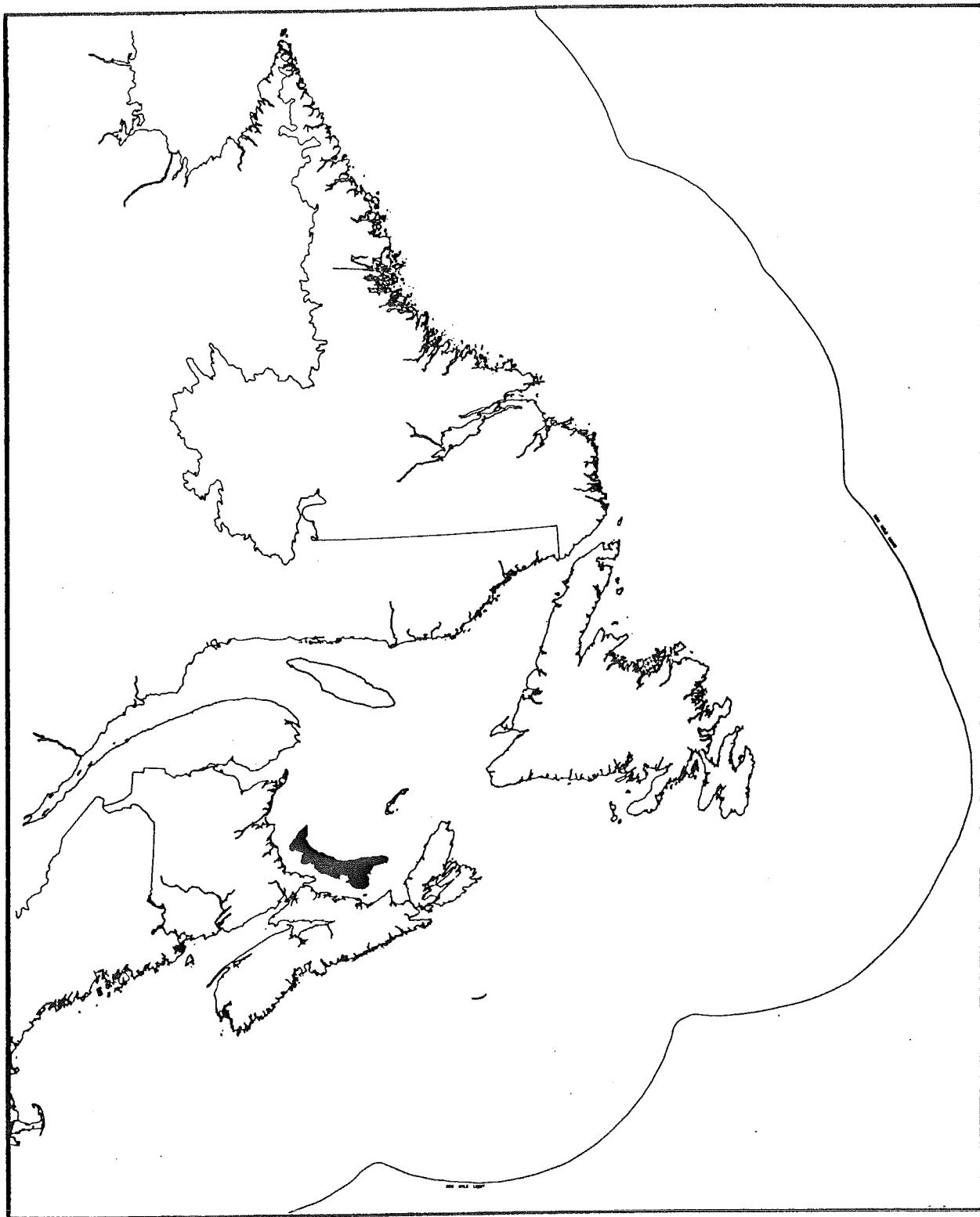


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: 1935 Forest Outline**
2. **Contact Person:**
Bob Nicholson
PEI Department of Energy and Forestry
PO Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-4706; Fax (902) 368-5544
3. **Purpose:**
Historical and analytical record
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Yet to be determined
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
Scale 1:17 500
6. **Geographical Referencing:**
UTM coordinates
7. **Period of Record/Update Frequency:**
1935
Static records
8. **Format:**
Digital: ARC/INFO format on disk
Hard-copy
9. **Data Types/Parameters Measured:**
Geographical outline
10. **Sampling Procedures:**
On-site surveys
11. **Program Type:**
Surveys and mapping
12. **Size/Growth:**
Approximately 5000 records
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Sunsparc Workstation
Operating system: UNIX
Software: CARIS
15. **Comments:**
Comparisons are made between this database and the forest inventories of 1980 and 1990.

16. Map indicating areas of data holdings:

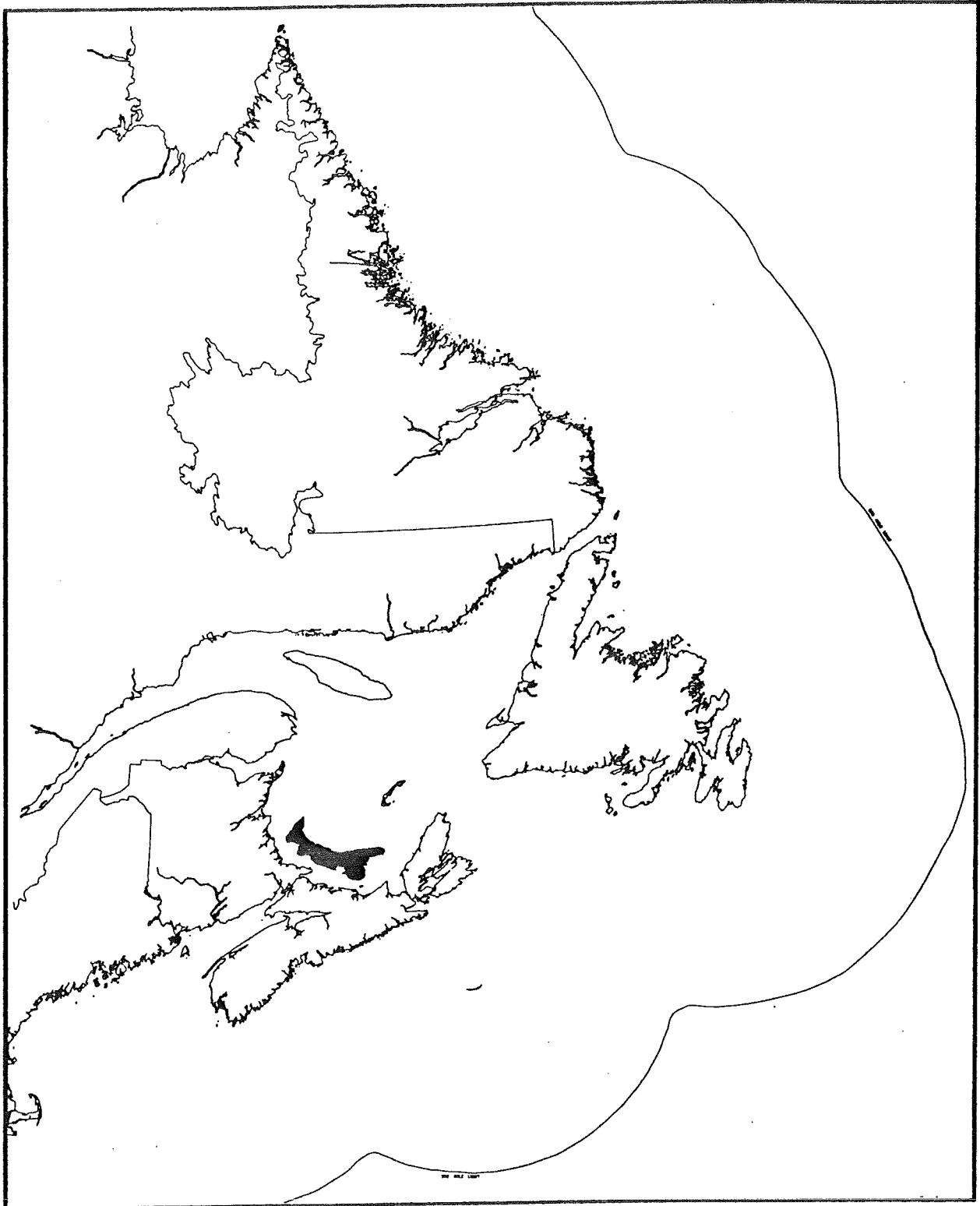


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: Minerals (Aggregate) Database**
2. **Contact Person:**
Wayne MacQuarrie
PEI Department of Energy and Forestry
PO Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-5022
3. **Purpose:**
To compile aggregate (sand and gravel) data for Prince Edward Island and to make the information available to the public and aggregate owners
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
Map coordinates
7. **Period of Record/Update Frequency:**
1986 to 1989
8. **Format:**
Digital
Hard-copy reports
9. **Data Types/Parameters Measured:**
Physical: Site locations, dimensions, depth, composition
10. **Sampling Procedures:**
Field surveys including backhoe pits, well logs
11. **Program Type:**
Monitoring
12. **Size/Growth:**
500 records
No growth
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system: MS DOS
Software: dBASE III
15. **Comments:**
Database part of a 3 year federal/provincial mineral development agreement

16. Map Indicating areas of data holdings:

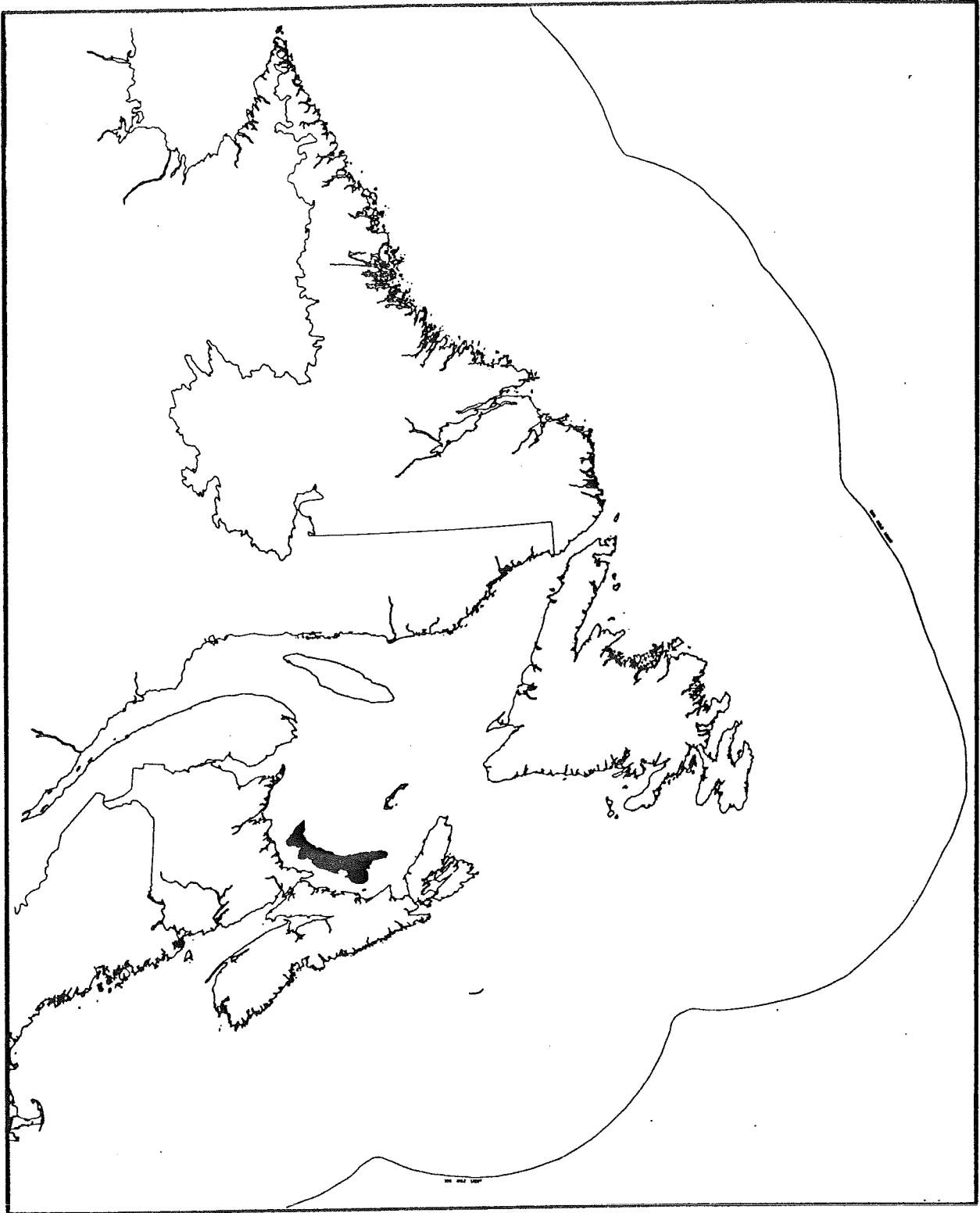


17. Signature: Not signed

Date:

1. **Database Title: PEI Forest Inventory: Ground Plots, Stands**
2. **Contact Person:**
Bill M. Glen
PEI Department of Energy and Forestry
PO Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-4700
3. **Purpose:**
Land use and forest inventory with emphasis on forest stand
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: May be cost of media
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
UTM
7. **Period of Record/Update Frequency:**
Major update every 10 years, minor update every 3 years for forecasting, annual update for silvicultural activities
8. **Format:**
Digital
Hard-copy: Maps, various
9. **Data Types/Parameters Measured:**
Biological: Land use, forest species, tree volumes, forest products, associated field plots include chemical soil analysis
10. **Sampling Procedures:**
Photo interpretation and randomly located ground sample plots, silvicultural treatments from field assessments
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Ground plots - 60,000 records
Stands - 120,000 records
Minimal annual growth
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Area Sunsparc server; plot on PC
Operating system: UNIX; MS DOS
Software: CARIS; FOXPRO
15. **Comments:**

16. **Map Indicating areas of data holdings:**

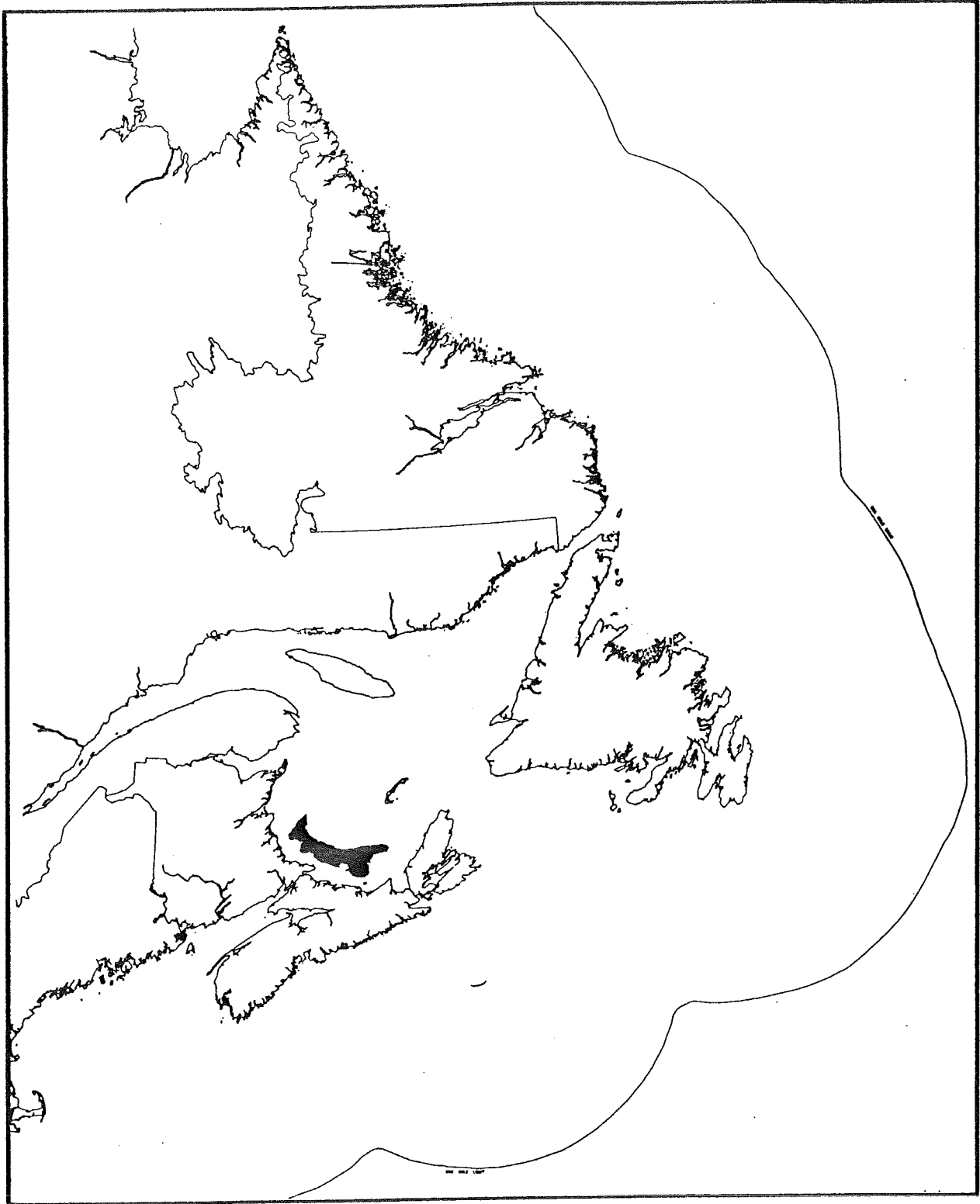


17. **Signature:** Not signed

Date:

1. **Database Title:** PEI Permanent Forest Sample Plot
2. **Contact Person:**
Bill M. Glen
PEI Department of Energy and Forestry
PO Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel 902-368-4700
3. **Purpose:**
To monitor forest growth
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: May be cost of media
Restrictions: None
5. **Geographical Coverage/Scale:**
400 permanent plots across Prince Edward Island
6. **Geographical Referencing:**
UTM coordinates; map sheet; photograph numbers
7. **Period of Record/Update Frequency:**
1974 to present
Each plot updated every three to five years (depending on the growth rate)
8. **Format:**
Digital
Hard-copy: Reports
9. **Data Types/Parameters Measured:**
Biological: Tree height and diameter
Chemical: Soil analysis (under consideration - approximately every 10 years)
10. **Sampling Procedures:**
Field surveys, various silviculture treatments
11. **Program Type:**
Monitoring
12. **Size/Growth:**
30,000 records
Minimal annual growth
13. **Environmental Legislation relevant to this data:**
Indirectly - 10 year report to Province on state
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: FOXPRO
15. **Comments:**

16. Map Indicating areas of data holdings:

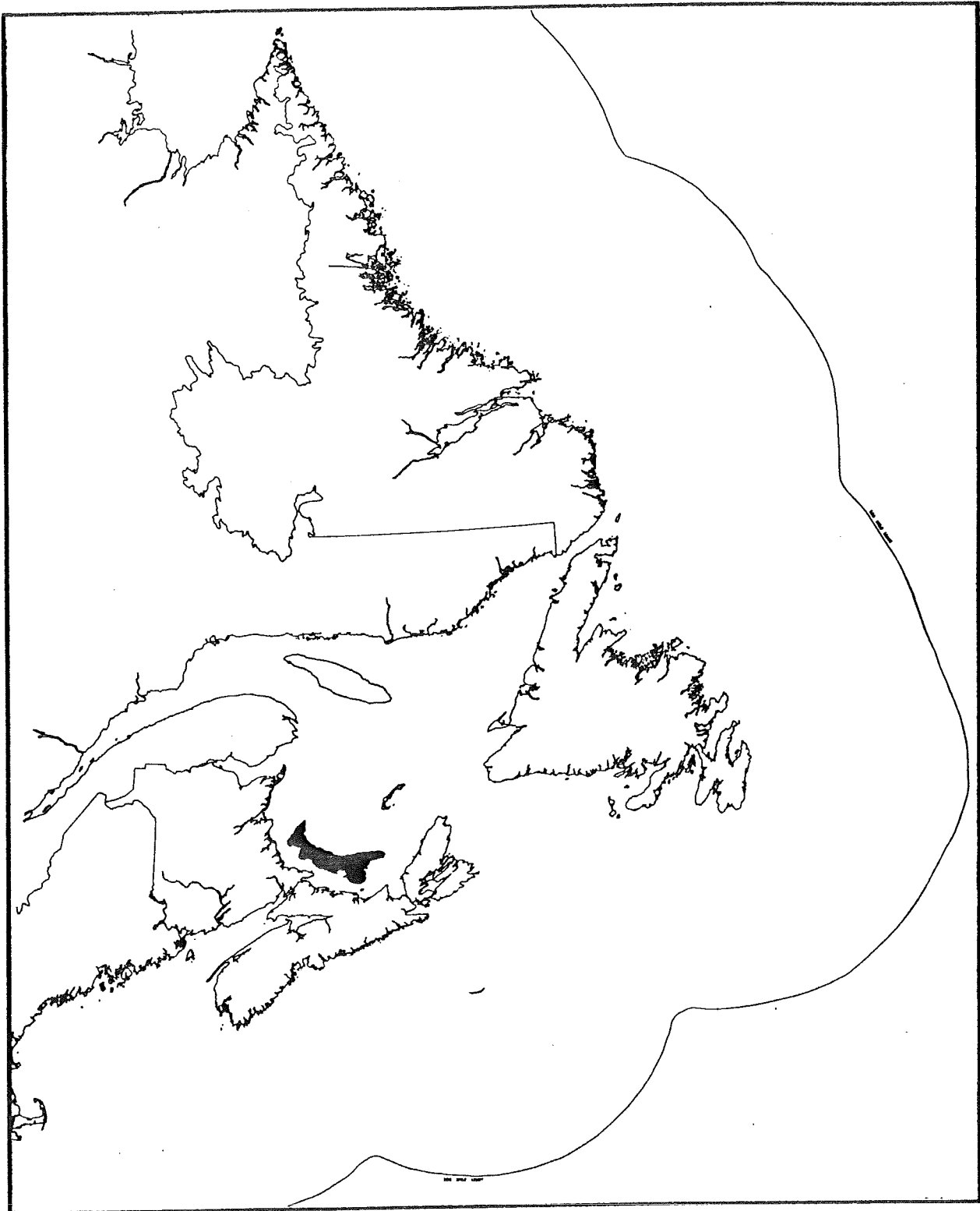


17. Signature: Not signed

Date:

1. **Database Title: Fish Populations at Fishways**
2. **Contact Person:**
Alan Godfrey
Fish and Wildlife Branch
PEI Department of the Environment
PO Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-4683
3. **Purpose:**
To assess timing and magnitude of anadromous fish populations passing through fishways
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1971 to present
Update frequency varies
8. **Format:**
Hard-copy
9. **Data Types/Parameters Measured:**
Biological: Water temperature, number of fish, size, species
10. **Sampling Procedures:**
Traps; location of trap sites decided on annual basis depending on budget
11. **Program Type:**
Survey
12. **Size/Growth:**
100,000 records
10% annual growth
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

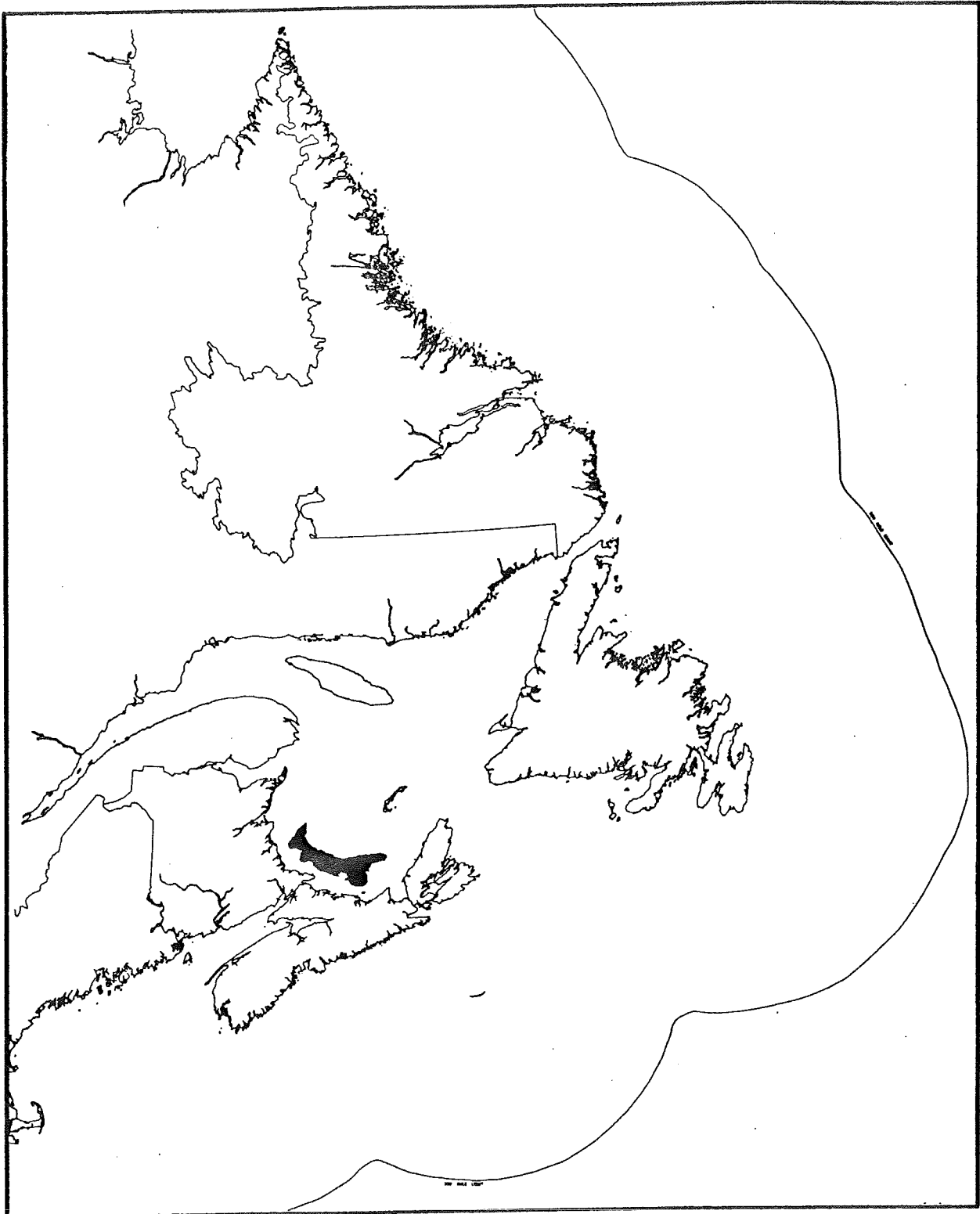


17. Signature: Not signed

Date:

1. **Database Title: Game Harvesting Data**
2. **Contact Person:**
Alan Godfrey
Planning and Administration Division
PEI Department of the Environment
PO Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-4683
3. **Purpose:**
To record long term population trends in game populations
4. **Access/Fees/Restrictions:**
Access: Through access person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1970 to 1987
Updated annually; to be updated in 1992
8. **Format:**
Hard-copy
9. **Data Types/Parameters Measured:**
Biological: Numbers of animals harvested
10. **Sampling Procedures:**
Random sample from previous year's license sales
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

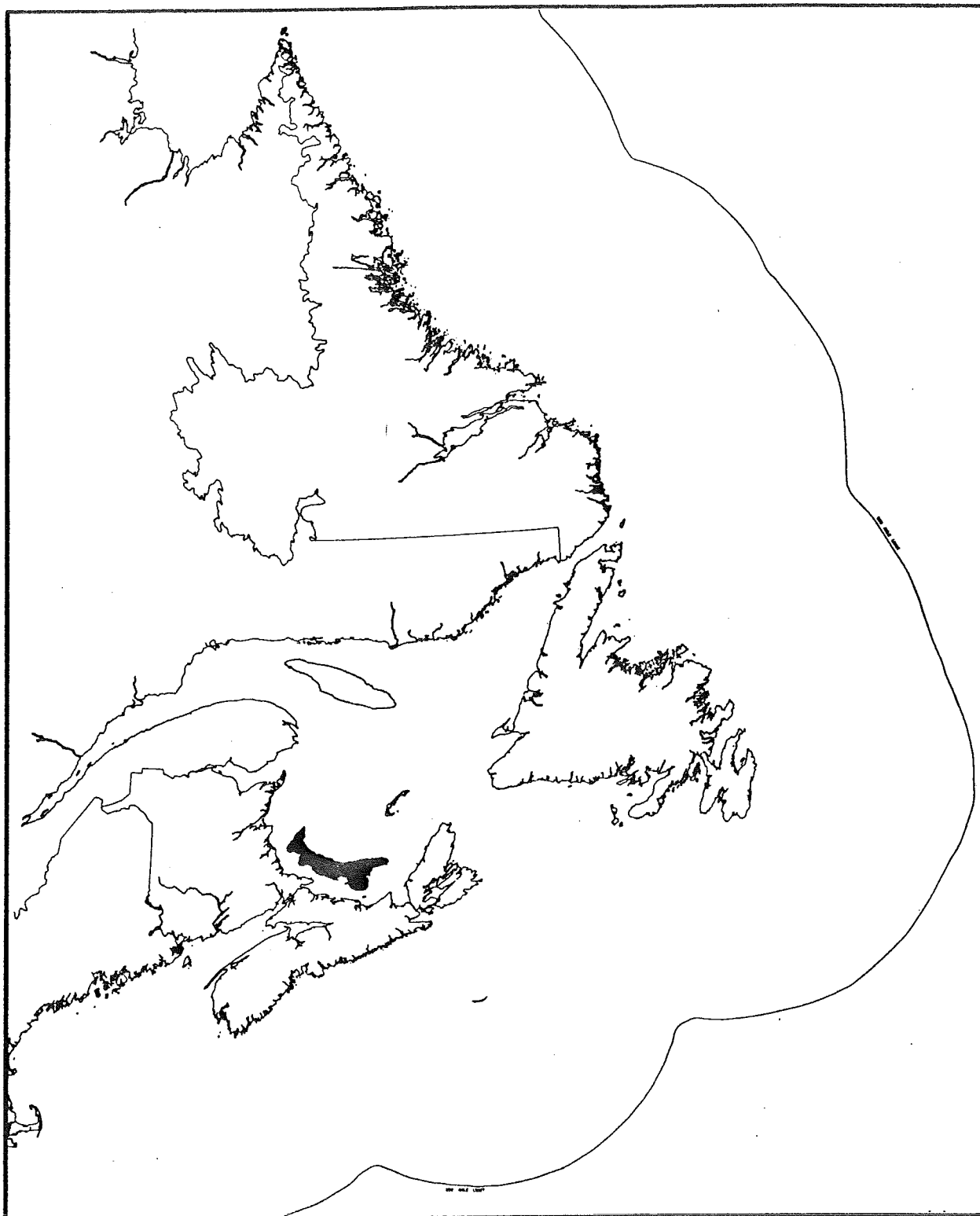


17. Signature: Not signed

Date:

1. **Database Title: Water Chemistry**
2. **Contact Person:**
Bruce Raymond
Head of Rivers and Estuaries Division
PEI Department of Environment
PO Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-5054; Fax (902) 368-5544
3. **Purpose:**
To hold most of the water quality samples processed for historical purposes
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Yet to be determined
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
Scale 1:50 000
6. **Geographical Referencing:**
UTM coordinates (rough estimates correct within 100m)
7. **Period of Record/Update Frequency:**
1979 to date
Ongoing updates as samples are processed
8. **Format:**
Digital: DBF, SDF and ASCII formats on disk
Hard-copy
9. **Data Types/Parameters Measured:**
Location, date collected, owner information, testing parameters
10. **Sampling Procedures:**
11. **Program Type:**
Monitoring and surveys
12. **Size/Growth:**
Approximately 21,500 records
13% annual increase
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: dBASE/Clipper
15. **Comments:**

16. Map indicating areas of data holdings:

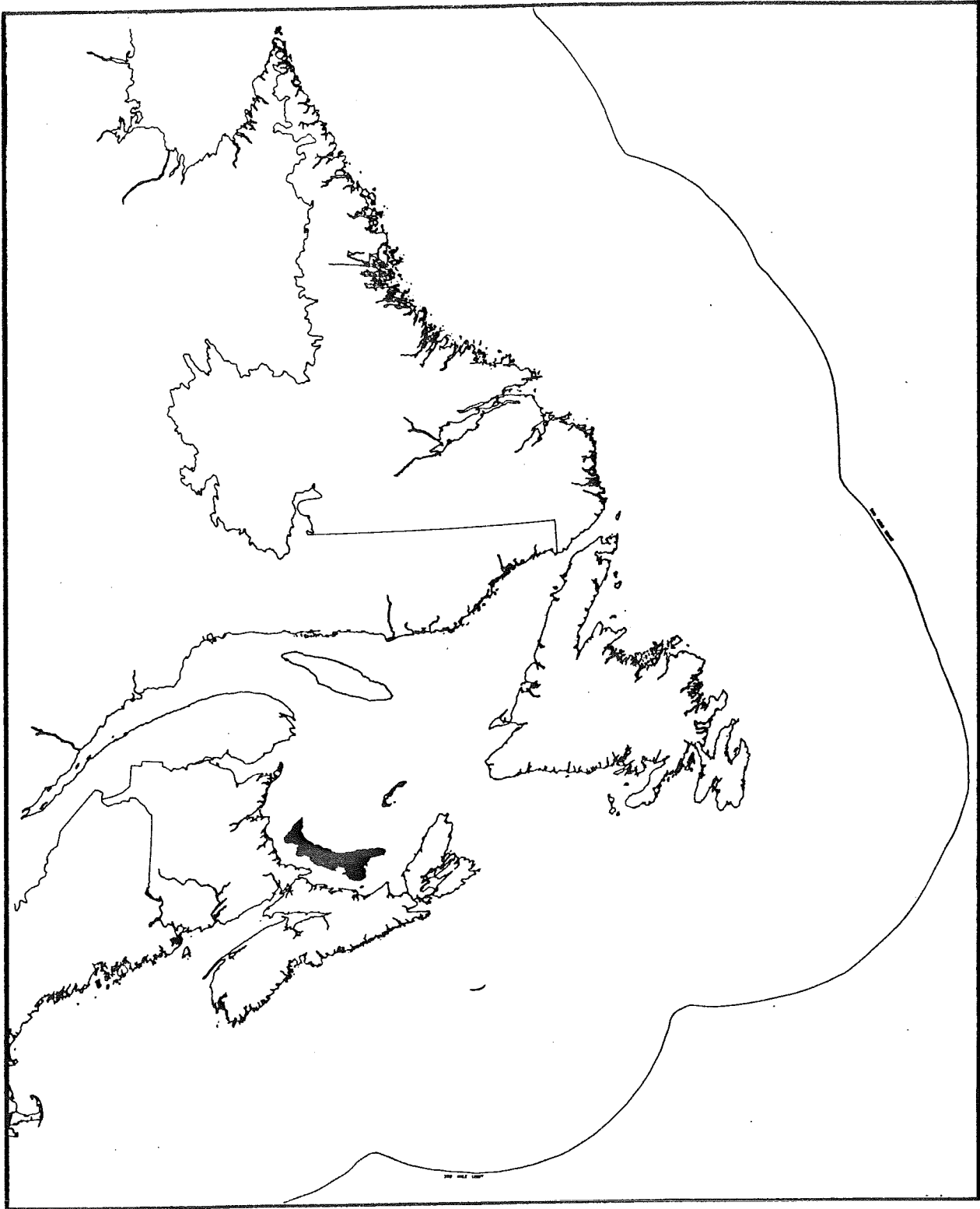


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: Water Well Records**
2. **Contact Person:**
George Somers
Head of Water Resources Division
PEI Department of Environment
PO Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-5046; Fax (902) 368-5544
3. **Purpose:**
To keep historical records to aid in diagnosing new problems
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Yet to be determined
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
Approximate UTM coordinates (in the future will also use parcel numbers to reference)
7. **Period of Record/Update Frequency:**
1972 to present
Updated monthly
8. **Format:**
Hard-copy
9. **Data Types/Parameters Measured:**
Location (UTM and map #), owner information, depth of water level, estimate of potential yield, casing length and geological log
10. **Sampling Procedures:**
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 14,000 records
2% annual growth
13. **Environmental Legislation relevant to this data:**
Regulatory requirement
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: dBASE
15. **Comments:**

16. Map Indicating areas of data holdings:

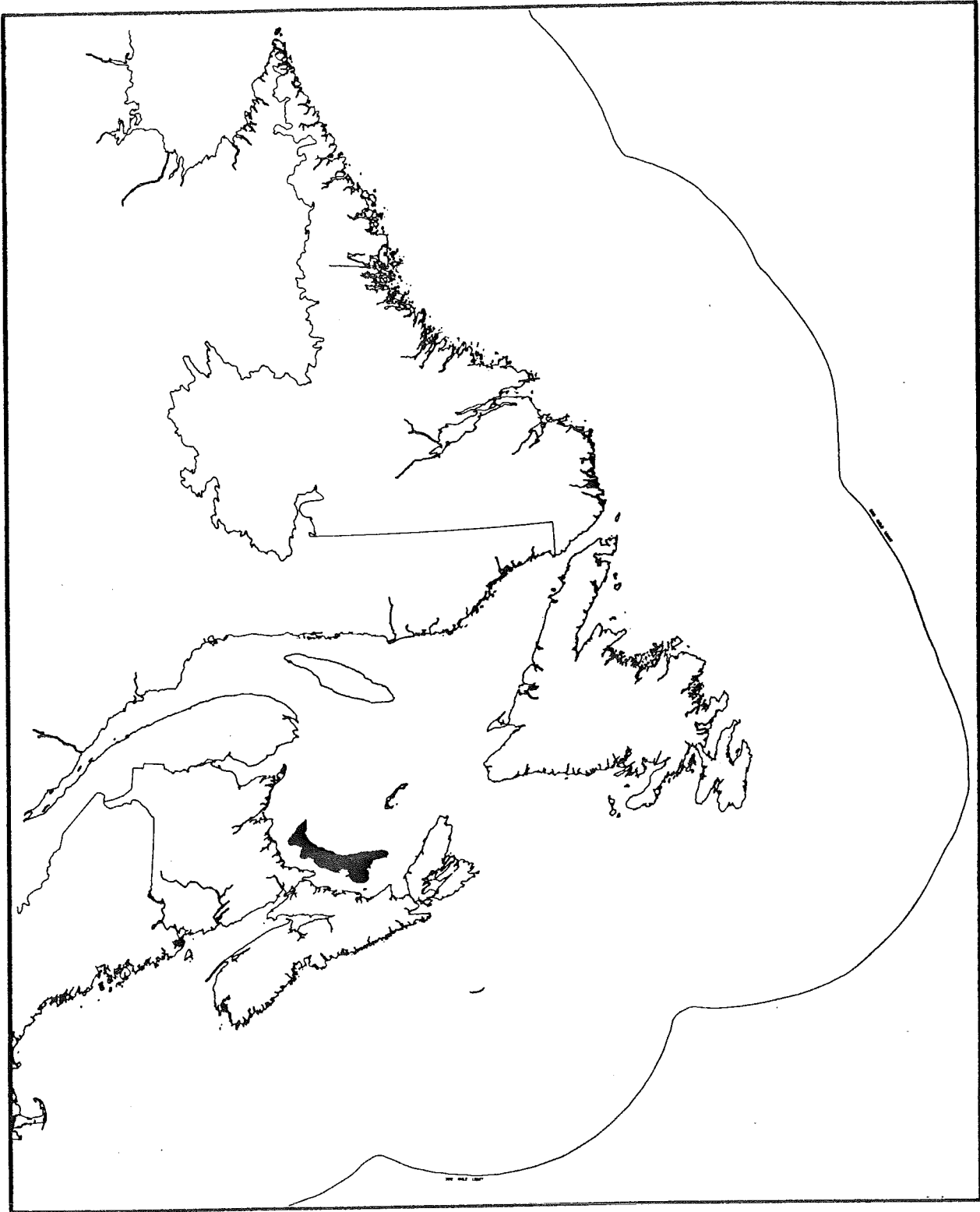


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: Wild Fur Harvesting Data**
2. **Contact Person:**
Randall Dibblee
Fish and Wildlife Branch
PEI Department of the Environment
PO Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-4683
3. **Purpose:**
To monitor annual harvests as an aid in population management
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1971 to present
Updated annually
8. **Format:**
Digital
Hard-copy: Tabular form
9. **Data Types/Parameters Measured:**
Biological and socio-economic: Annual harvest by species, average price per pelt, total value by species, licensed trappers
10. **Sampling Procedures:**
Determined through wild fur export permit records
11. **Program Type:**
Monitoring
12. **Size/Growth:**
23 years of harvest and value information on 9 species
36 records added per year
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system: MS DOS
Software: dBASE, Lotus Analysis
15. **Comments:**
Contains number of trappers, resident trappers and junior trappers and fur buyers

16. Map Indicating areas of data holdings:

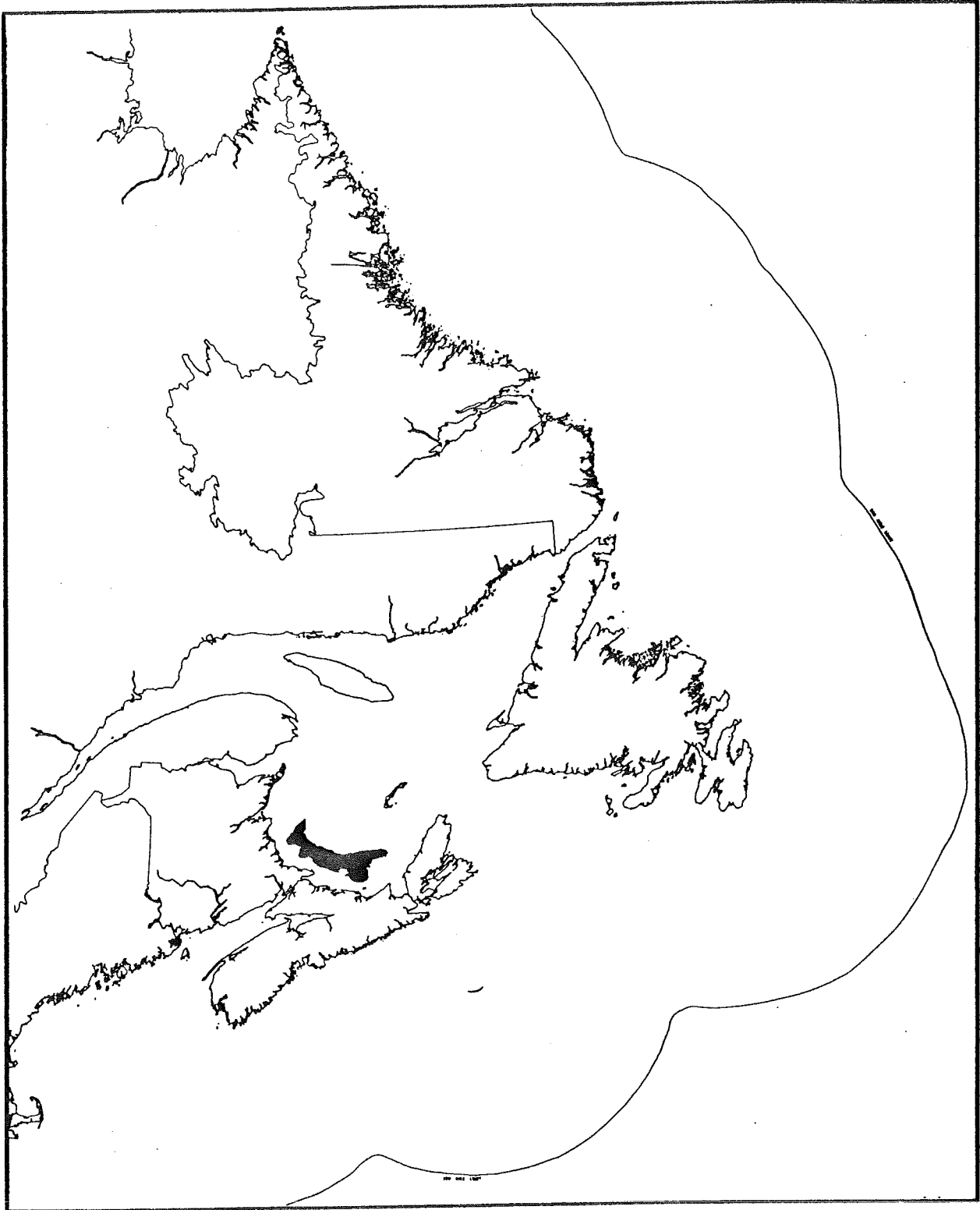


17. Signature: Not signed

Date:

1. **Database Title: Land Parcel Index**
2. **Contact Person:**
Bobby Kenny
Manager of Registry of Deeds
Real Property Records Division
PEI Department of Finance
PO Box 2000
11 Kent Street, 1st Floor Jones Building
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-5137; Fax (902) 368-4399
3. **Purpose:**
To record and provide property information based on the Prince Edward Island's Land Registry
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Not yet determined
Restrictions:
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
Provincial property number (Parcel number)
7. **Period of Record/Update Frequency:**
Automated since 1970's
Updated bi-weekly
8. **Format:**
Digital: On-line access to registry information available through a system called Land-Linc.
Hard-copy: Reports can be printed through Land-Linc.
9. **Data Types/Parameters Measured:**
Property, owner and registry information
10. **Sampling Procedures:**
Affidavits of transferee/transferor are required by legislation to be filed with every deed for registration with the Registrar of Deeds.
11. **Program Type:**
Monitoring, mapping, research and surveys
12. **Size/Growth:**
Approximately 79,000+ records
Minimal annual growth
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Host computer is at the University of New Brunswick; the interim transaction files are temporarily stored on the Provincial Mainframe.

16. Map indicating areas of data holdings:

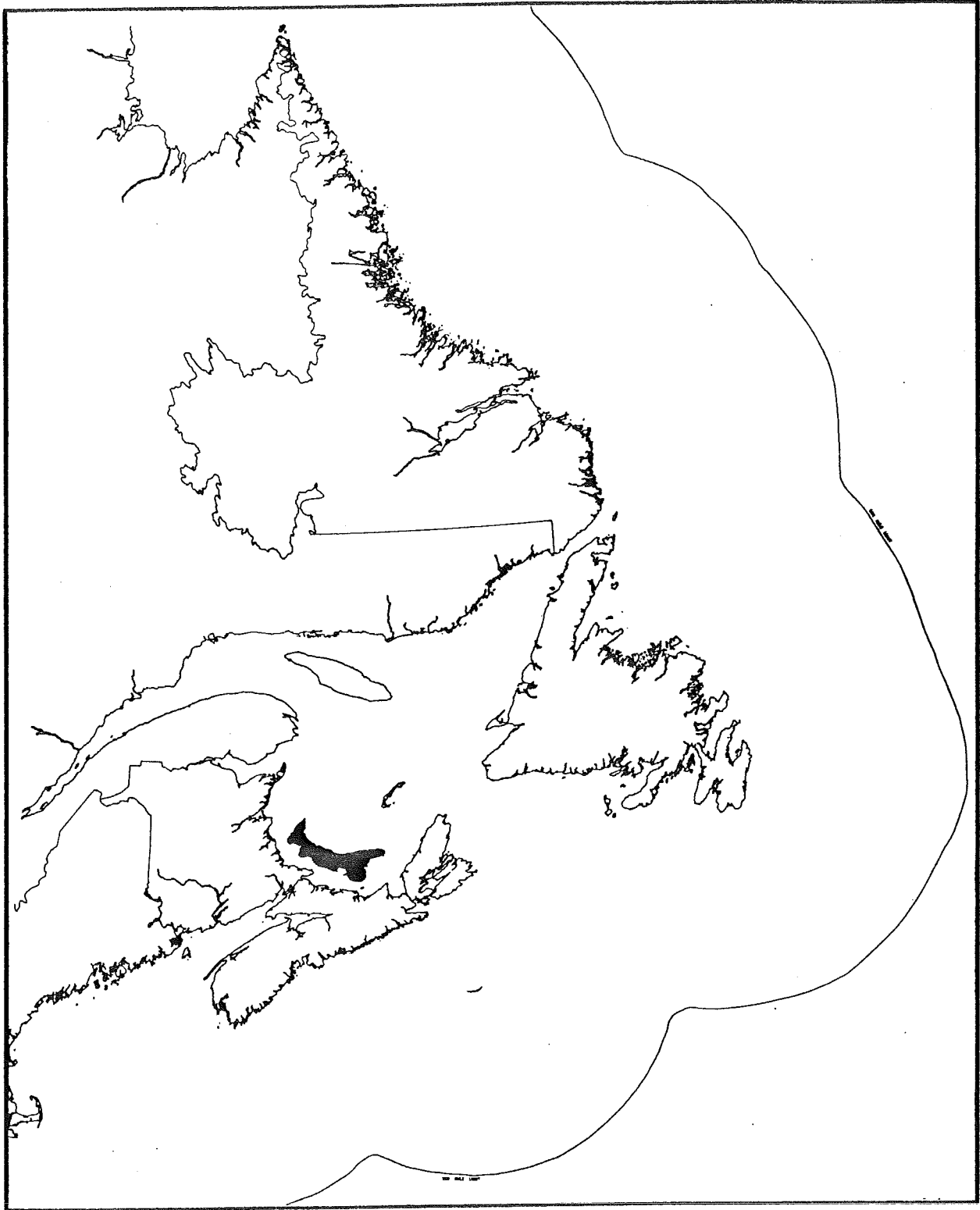


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: Monument (Survey Markers) Control**
2. **Contact Person:**
Bobby Kenny
Manager of Registry of Deeds
Real Property Records Division
PEI Department of Finance
PO Box 2000
11 Kent Street, 1st Floor Jones Building
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-5137; Fax (902) 368-4399
3. **Purpose:**
To tie the Provincial properties to the grid coordinates system
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: \$6 for the one and only map
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
UTM coordinates
7. **Period of Record/Update Frequency:**
1970 to present
Minimal updates
8. **Format:**
Hard-copy: Maps
9. **Data Types/Parameters Measured:**
Location information, elevation, coordinates, relation to other stations, and historic data
10. **Sampling Procedures:**
On-site surveys
11. **Program Type:**
Mapping and surveys
12. **Size/Growth:**
Approximately 5000 records
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Not yet automated by the Province; the detailed information still resides with the Surveys and Mapping Division of LRIS in Summerside.

16. Map indicating areas of data holdings:

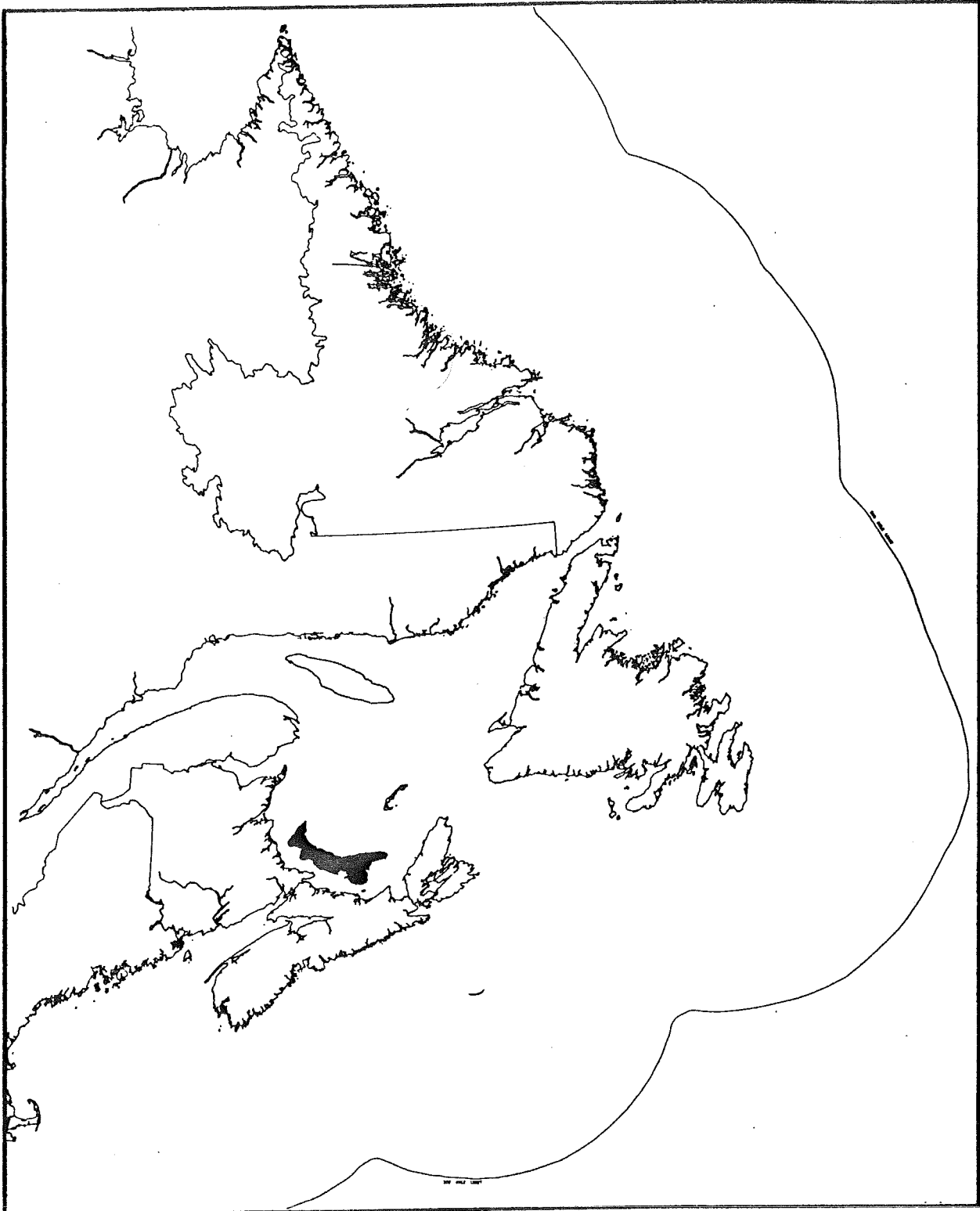


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: PATS Building Permits**
2. **Contact Person:**
Dennis Williams
Assessment Section
Real Property Records Division
PEI Department of Finance
PO Box 2000
Rochford Street, 1st Floor Shaw Building
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-4062; Fax (902) 368-4399
3. **Purpose:**
To collect building permit information by parcel number for use in completing biannual new construction inspections
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions:
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
Provincial property number, municipality, fire district, school district, lot or township, county, etc.
7. **Period of Record/Update Frequency:**
Updated on-line daily
8. **Format:**
Digital: ASCII files of selected data on MS DOS floppy
Hard-copy: Print-outs of selected data
9. **Data Types/Parameters Measured:**
Applicant, permit and construction information. Data from this file is linked to the master file to produce comprehensive reports.
10. **Sampling Procedures:**
All building permits issued by the PEI Department of Community and Cultural Affairs or municipalities/communities
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 2900 records updated weekly; then as construction is completed, the records are removed from the reactionary/construction file and added to the Master file.
Minimal growth
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer: UNISYS VS90
Operating system: COBOL-based system (currently converting to LINC)
Software:
15. **Comments:**
On-line access to this data is available to Real Property Records Division staff only.

16. Map Indicating areas of data holdings:

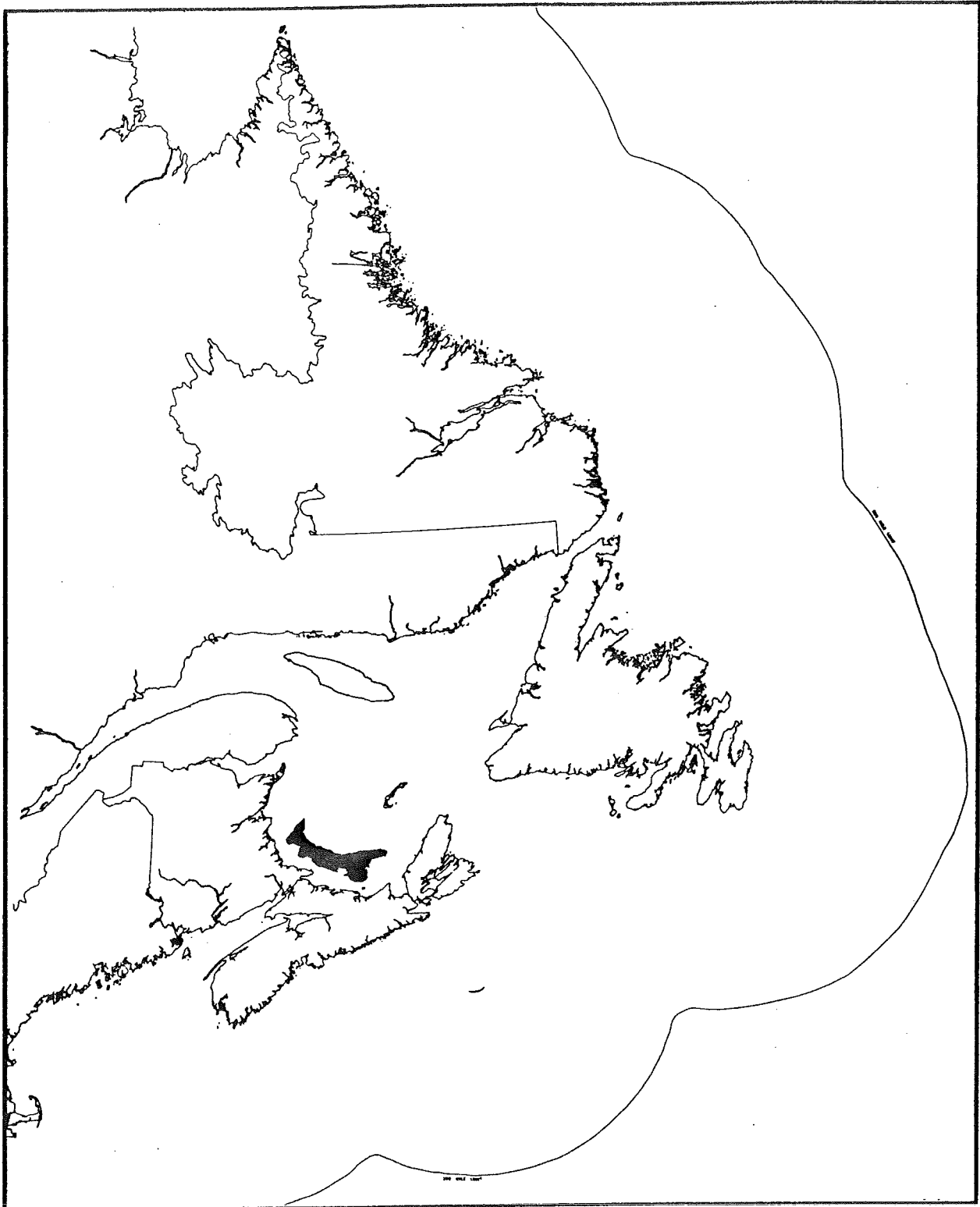


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: PATS Property Sales**
2. **Contact Person:**
Dennis Williams
Assessment Section
Real Property Records Division
PEI Department of Finance
PO Box 2000
Rochford Street, 1st Floor Shaw Building
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-4062; Fax (902) 368-4399
3. **Purpose:**
To collect real property sales data for assessment/sales ratio analysis and subsequent updating of land and building assessment rates for the Prince Edward Island
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: To be determined at time of request
Restrictions:
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
Provincial property number, municipality, fire district, school district, lot or township, county, etc.
7. **Period of Record/Update Frequency:**
Land and building data is updated weekly through batch jobs
8. **Format:**
Digital: ASCII files of selected data on MS DOS floppy
Hard-copy: Print-outs of selected data
9. **Data Types/Parameters Measured:**
Property identification, owner identification, classifications of buildings and land, assessment values, various taxes (provincial, municipal, fire district) charged, and transactions on individual properties
10. **Sampling Procedures:**
Affidavits of transferee/transferor are required by legislation to be filed with every deed for registration with the Registrar of Deeds. The affidavit must indicate the sale value of the parcels.
11. **Program Type:**
Monitoring
12. **Size/Growth:**
3000-4000 records added per year
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer: UNISYS VS90
Operating system: COBOL-based system (currently converting to LINC)
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

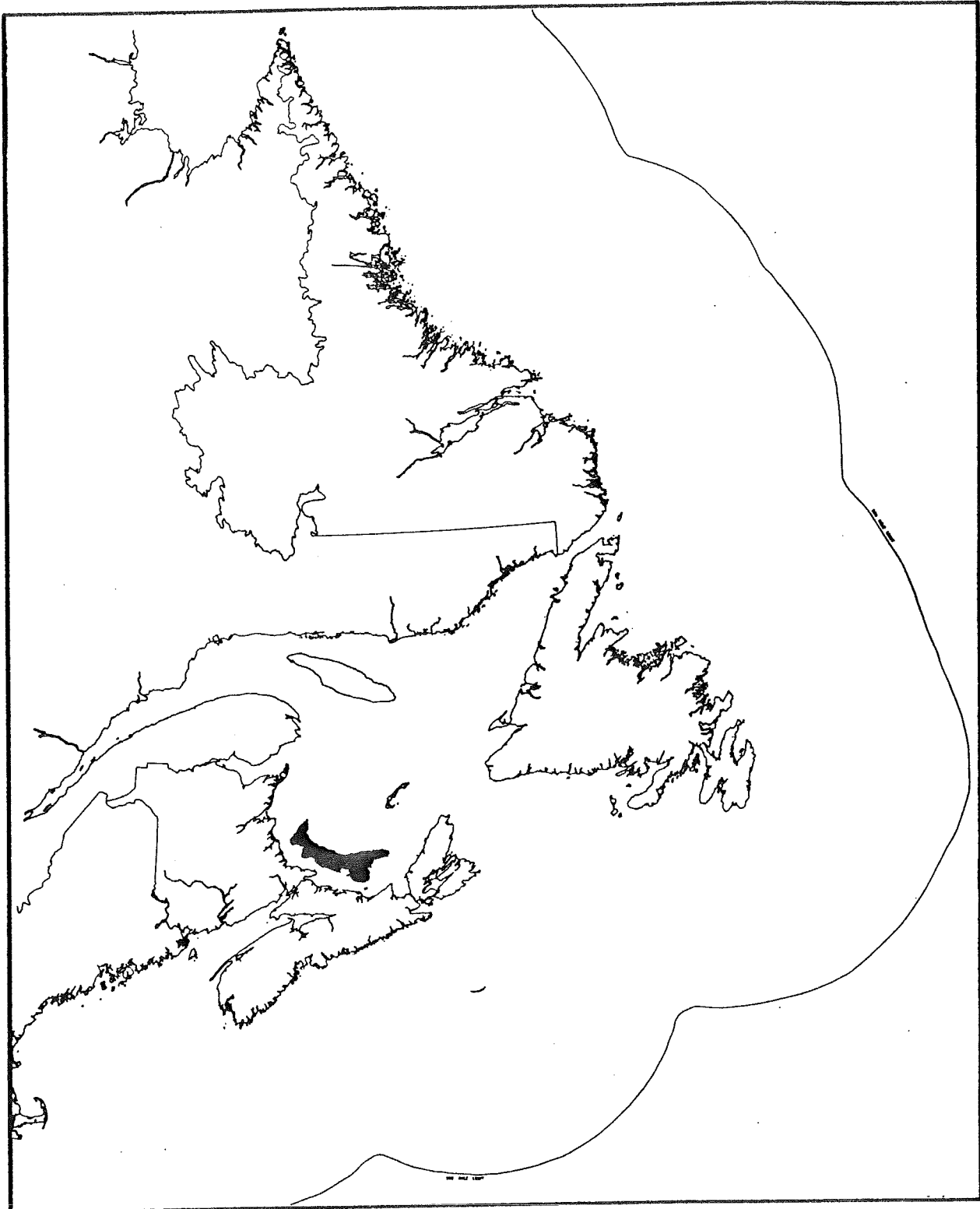


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: PEI Digital Enhanced Topographic Database (Urban Series)**
2. **Contact Person:**
Brenda Campbell-Perry
GIS Section, Real Property Records Division
PEI Department of Finance
PO Box 2000, 11 Kent Street, 1st Floor Jones Building
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-5165; Fax (902) 368-4399
3. **Purpose:**
To provide a standardized, multi-purpose, urban base map for the municipal more densely populated areas of Prince Edward Island
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: \$100. per 1:1000/1:2000 file in NTX format - \$150. per 1:1000/1:2000 file in other formats - \$40. per 1:1000/1:2000 file paper plot; Restrictions: None
5. **Geographical Coverage/Scale:**
Town of Summerside at 1:1000 scale; Greater Charlottetown Area at 1:2000 scale. (October, 1992)
6. **Geographical Referencing:**
Prince Edward Island Stereographic Double Projection (ATS77); Origin: Latitude 47° 15' North, Longitude 63° West; Scale Factor: 0.999912; False Northing/Easting: 400,000 / 700,000
7. **Period of Record/Update Frequency:**
Date of photography for the town of Summerside - April 28, 1985. Date of photography for the city of Charlottetown - April 26, 1991. Guidelines for next update yet to be determined.
8. **Format:**
Digital: CARIS, NTX, AutoCAD DXF, DIG formats on UNIX - EXABYTE compatible 8mm tapes, 150MB 1/2" SCSI tapes, 3 1/2" HD floppy, CDROM, and MS DOS on 3 1/2" HD floppy, 5 1/4" HD floppy; Hard-copy: Plots
9. **Data Types/Parameters Measured:**
Feature classes include: Buildings, structures, designated areas, utilities, delimiters, hydrography, land cover, hypsography*, roads and railroads. * Contours are not available on the majority of 1:10 000 mappings as yet. When created, they will be at four metre intervals.
10. **Sampling Procedures:**
Aerial photos
11. **Program Type:**
Mapping
12. **Size/Growth:**
24 - 1:1000 files for town of Summerside; it is anticipated that the town will be redone at 1:2000.
39 - 1:2000 files for Greater Charlottetown area. Approximately the same amount of coverage area will be completed each year.
13. **Environmental Legislation relevant to this data:** None
14. **Computer System:**
Host computer: Sunsparc 1 Workstations; Operating system: UNIX 4.1.2 (October 1992); Software: CARIS (Computer Aided Resource Information System)
15. **Comments:**
Scale of photography from which digital files were created - 1:6000 for 1:1000 files and 1:10 000 for 1:2000 files. Positional accuracy of the 1:1000 data: ±0.2 to ±0.4 metres. Positional accuracy of the 1:2000 data: ±0.5 to ±0.75 metres.

16. Map Indicating areas of data holdings:

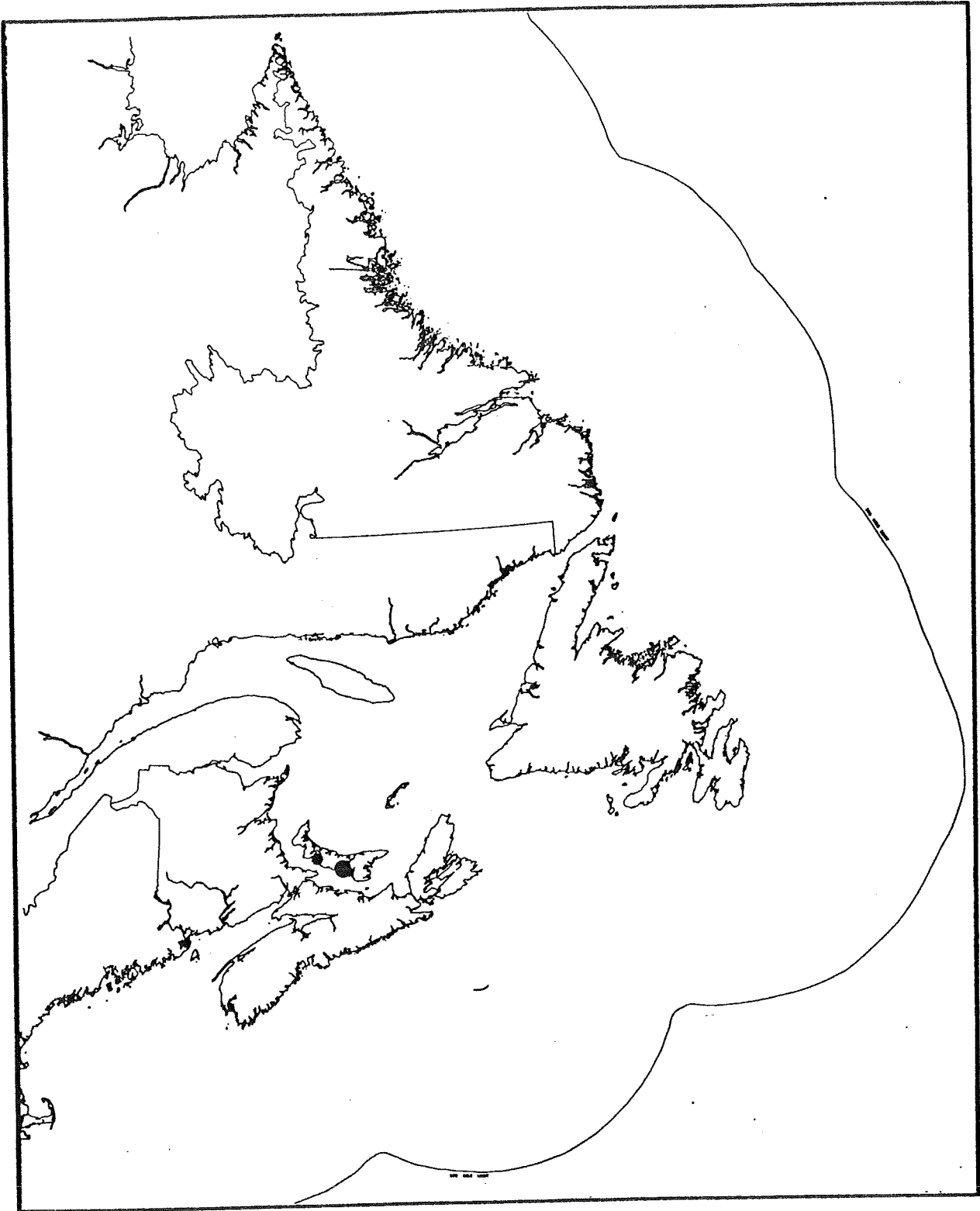


17. Signature: Verified

Date: September 30, 1992

1. **Database Title:** PEI Digital Enhanced Topographic Database (Resource Series)
2. **Contact Person:**
Brenda Campbell-Perry
GIS Section, Real Property Records Division
PEI Department of Finance
PO Box 2000, 11 Kent Street, 1st Floor Jones Building
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-5165; Fax (902)368-4399
3. **Purpose:**
To provide a standardized, multi-purpose, resource base map for the Province of Prince Edward Island
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: \$100. per 1:10 000 file in NTX format - \$150. per 1:10 000 file in other formats - \$40. per 1:10 000 file paper plot; Restrictions: None
5. **Geographical Coverage/Scale:**
Province of Prince Edward Island; an index and data summary is available upon request; Scale 1:10 000
6. **Geographical Referencing:**
Prince Edward Island Stereographic Double Projection (ATS77)
Origin: Latitude 47° 15' North, Longitude 63° West; Scale factor: 0.999912; False Northing/Easting: 400,000 / 700,000
7. **Period of Record/Update Frequency:**
Dates of photography for Western Prince Edward Island, West of Summerside/Miscouche area: May to August 1985. Dates of photography for remainder of Prince Edward Island from Summerside/Miscouche, East: May to June 1988. Guidelines and specifications for update yet to be determined.
8. **Format:**
Digital: CARIS, NTX, AutoCAD DXF, DiG formats on UNIX - EXABYTE compatible 8mm tapes, 150MB 1/2" SCSI tapes and 3 1/2" HD floppy, CDRom; MS DOS - 3 1/2" HD floppy and 5 1/4" HD floppy
Hard-copy: Plots
9. **Data Types/Parameters Measured:**
Feature classes include: Buildings, structures, designated areas, utilities, delimiters, hydrography, land cover, hypsography*, roads and railroads. * Contours are not available on the majority of 1:10 000 mappings as yet. When created, they will be at four metre intervals.
10. **Sampling Procedures:**
Blanket coverage with aerial photos
11. **Program Type:** Mapping
12. **Size/Growth:** 212 files; N/A
13. **Environmental Legislation relevant to this data:** None
14. **Computer System:**
Host computer: Sunsparc 1 Workstations; Operating system: UNIX 4.1.2 (October 1992); Software: CARIS (Computer Aided Resource Information System)
15. **Comments:**
Scale of photography from which digital files were created - 1:35 000
Positional accuracy of the data: ±2.5 metres

16. Map indicating areas of data holdings:

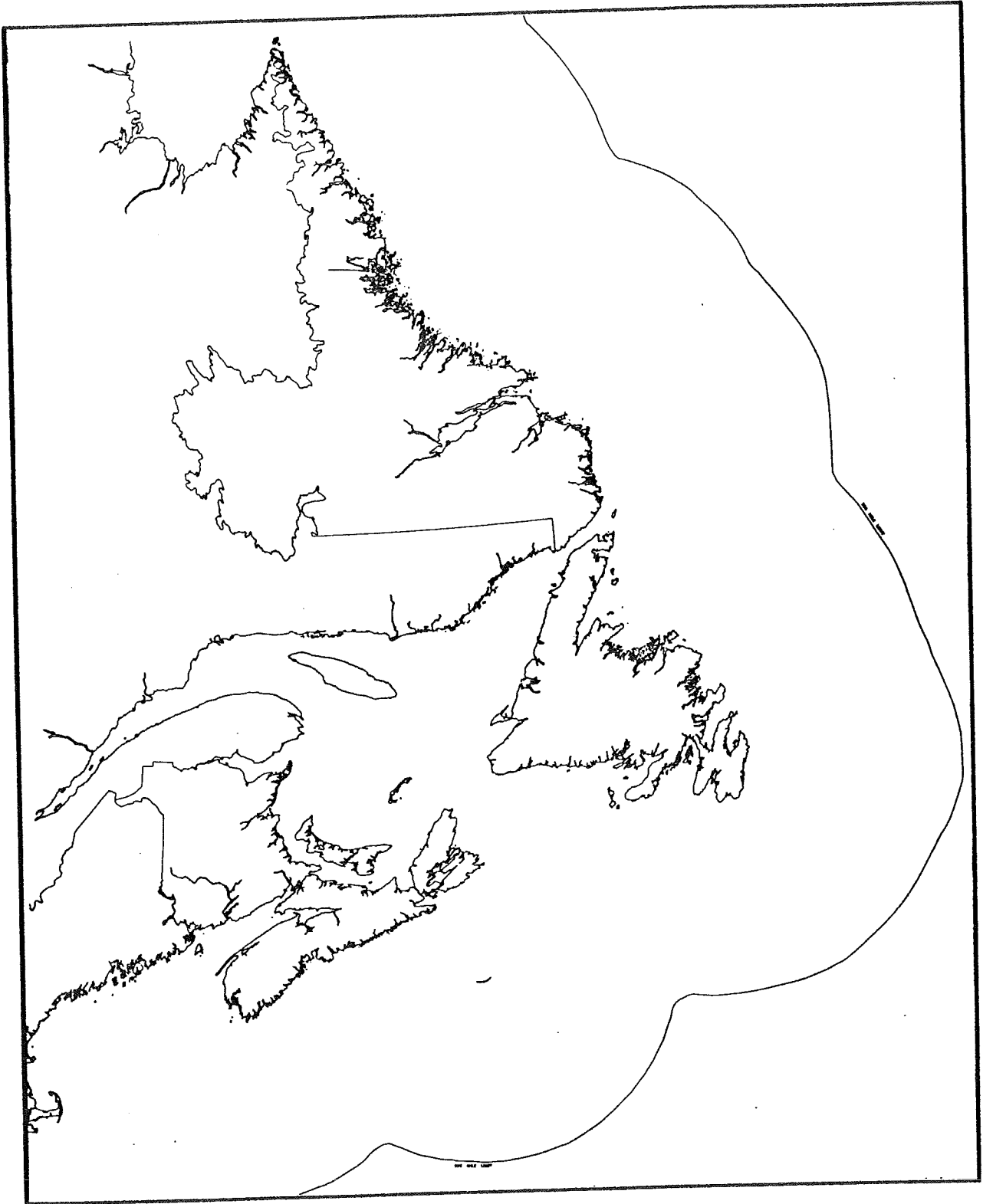


17. Signature: Verified

Date: September 30, 1992

1. **Database Title:** PEI Digital Property Line Database
2. **Contact Person:**
Brenda Campbell-Perry
GIS Section, Real Property Records Division
PEI Department of Finance
PO Box 2000, 11 Kent Street, 1st Floor Jones Building
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-5165; Fax (902) 368-4399
3. **Purpose:**
To provide a cadastral layer for Prince Edward Island with attribute files including Assessment and Parcel Index information
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: Yet to be determined. Graphical data is currently being placed through rigorous quality controls. Attribute data is yet to be downloaded from various other systems; Restrictions: None
5. **Geographical Coverage/Scale:**
Property line program completed to date (October 1992): all areas west of the Greater Charlottetown Area, with the exception of the town of Summerside. Approximately 75% of the areas east of the Greater Charlottetown Area; Scale 1:5000.
6. **Geographical Referencing:**
Prince Edward Island Stereographic Double Projection (ATS77); Origin: Latitude 47° 15' North, Longitude 63° West; Scale factor: 0.999912; False Northing/Easting: 400,000 / 700,000
7. **Period of Record/Update Frequency:**
Updated as changes are made
8. **Format:**
Digital: CARIS, NTX, AutoCAD DXF, DLG formats; Hard-copy: Plots
9. **Data Types/Parameters Measured:**
Property lines (further redefined as to road, water or property lines), coordinate survey lines, boundary lines: municipal, fire district, lot/township, county and school district
10. **Sampling Procedures:**
All lines are digitized from 1:5000 orthophoto maps, 1:2500 line and photo enlargement maps, 1:1250 line maps, and coordinate survey plans
11. **Program Type:**
Mapping
12. **Size/Growth:**
966 of the approximately 1260 1:5000 files have been completed to date. The remaining files are anticipated to be completed by March, 1993.
13. **Environmental Legislation relevant to this data:** None
14. **Computer System:**
Host computer: Sunsparc 1 Workstations; Operating system: UNIX 4.1.2 (October 1992); Software: CARIS (Computer Aided Resource Information System)
15. **Comments:**
The anticipated date for completion of the property line program graphical database is March 31, 1993. The attaching of attribute data will be tested in a pilot area commencing in the Fall of 1992. Graphical data for portions of the Province will be released as quality control procedures are completed.

16. Map Indicating areas of data holdings:

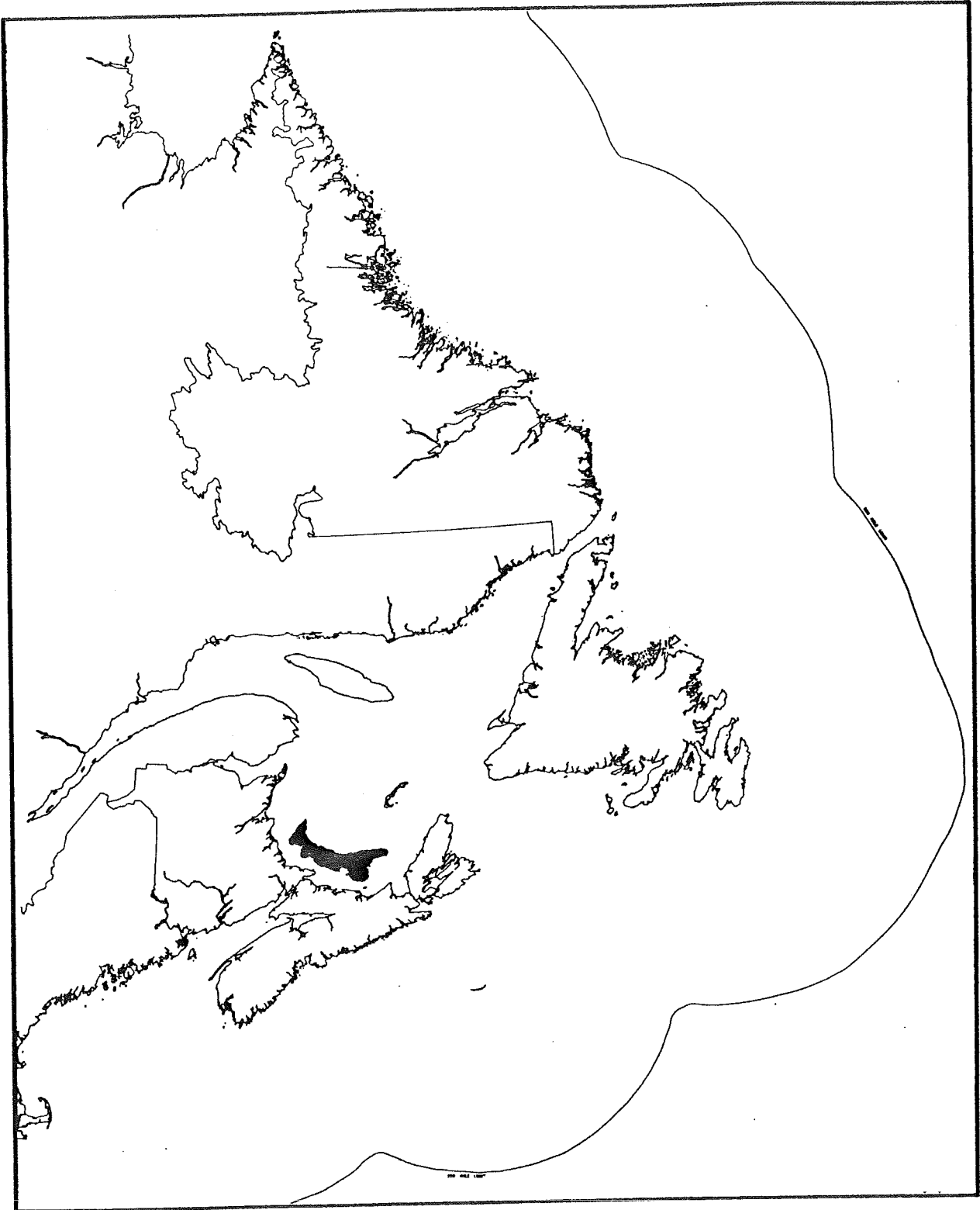


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: Property Assessment and Tax System (PATS)**
2. **Contact Person:**
Dennis Williams
Assessment Section, Real Property Records Division
PEI Department of Finance
PO Box 2000
Rochford Street, 1st Floor Shaw Building
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-4062; Fax (902) 368-4399
3. **Purpose:**
To collect ownership, identification, and detail land and building data for the purposes of assessing and taxing all real property in the province of Prince Edward Island
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Non-confidential data available for a fee to be determined at the time of request.
Restrictions: Access to confidential information is restricted.
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
Provincial property number, municipality, fire district, school district, lot or township, county, etc.
7. **Period of Record/Update Frequency:**
Updated on-line daily regarding ownership and identification information. Land and building data is updated weekly through batch jobs.
8. **Format:**
Digital: ASCII files of selected data on MS DOS floppy; Hard-copy: Print-outs of selected data
9. **Data Types/Parameters Measured:**
Property identification, owner identification, classifications of buildings and land, assessment values, various taxes (provincial, municipal, fire district) charged, and transactions on individual properties
10. **Sampling Procedures:**
Field inspections by property assessors. Ownership changes via registered documents from Registry of Deeds.
11. **Program Type:** Monitoring
12. **Size/Growth:**
79,000+ records (max width 6564 bytes); 1% or less growth annually
13. **Environmental Legislation relevant to this data:**
Natural Areas Protection Act and Fish and Wildlife Act re: Wildlife Management Areas
14. **Computer System:**
Host computer: UNISYS VS90; Operating system: COBOL-based system (currently converting to LINC); Software:
15. **Comments:**
On-line access to non-confidential data is provided to the general public via a system called Land-Linc. Two of the screens available access the PATS master file: Name screen - alphabetic search utility to determine parcel numbers by owner's name; Assessment screen (ASMT) - public assessment information on the 79,000+ parcel numbers on Prince Edward Island. Includes such data as owner's name and address, property address, municipal number, school district number, assessment acreage, map number, and assessed values.

16. Map Indicating areas of data holdings:

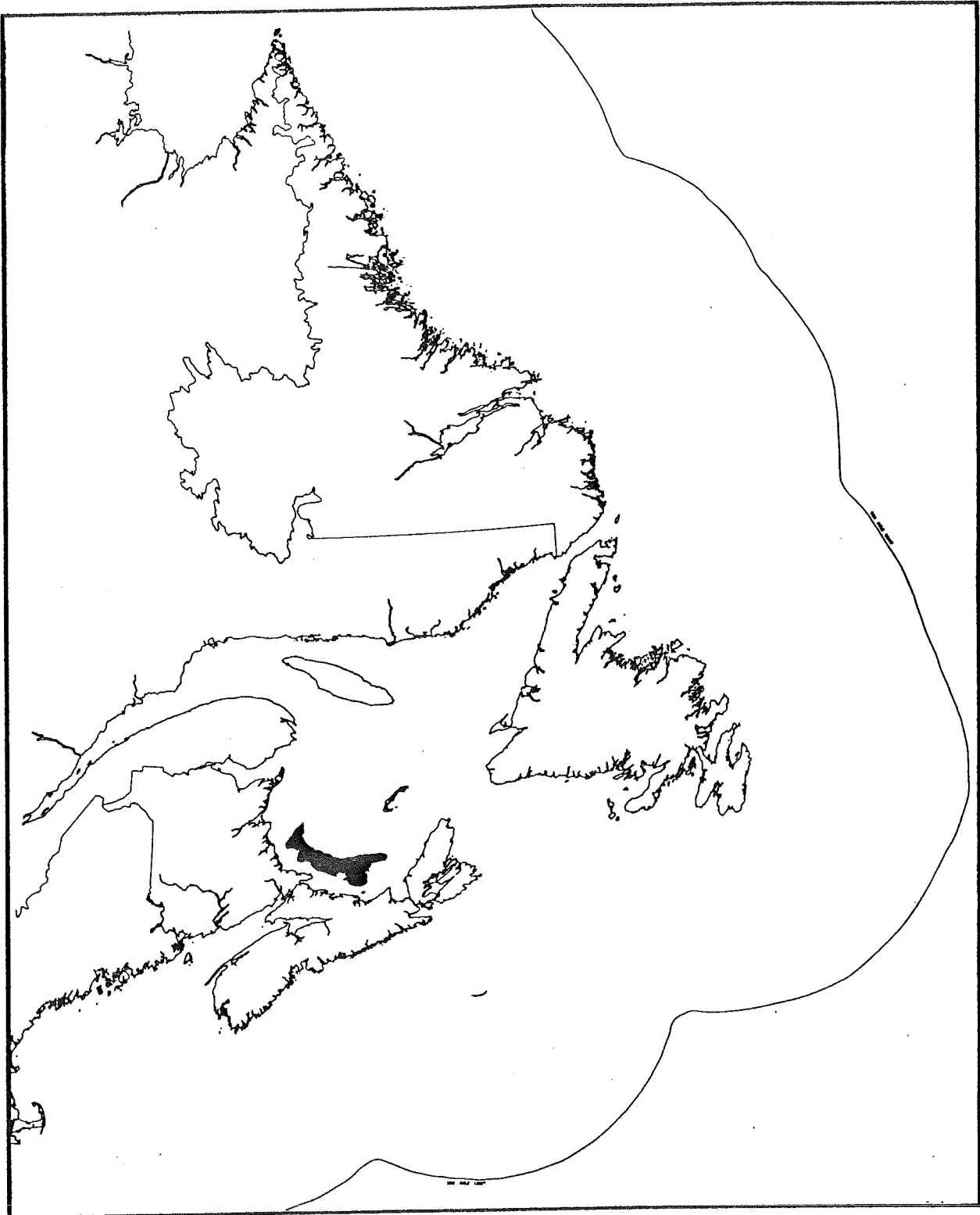


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: Seafood Processors**
2. **Contact Person:**
Lewis Creed
Director of Commercial Fisheries
PEI Department of Fisheries and Aquaculture
PO Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel 902-368-5241; Fax 902-368-5542
3. **Purpose:**
To maintain up-to-date listing of seafood processing plants on Prince Edward Island as well as products available from each
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Not applicable - Public information received from Department of Fisheries and Oceans
Restrictions: Approval to obtain dial-in access must be obtained from the PEI Department of Finance, Computer Services Division; approval must be obtained from the PEI Department of Fisheries and Aquaculture to access specific information.
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
On-going compilation
8. **Format:**
On-line access: P.E.P.
Hard-copy
9. **Data Types/Parameters Measured:**
General Listing
Specific data elements available on request
10. **Sampling Procedures:**
11. **Program Type:**
12. **Size/Growth:**
Contains data on approximately 40 major processors and 100 minor processors/buyers/sellers
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: UNISYS mainframe (2200)
Operating system: O/S 11
Software: MAPPER (PEI government mainframe system)
15. **Comments:**

16. Map indicating areas of data holdings:

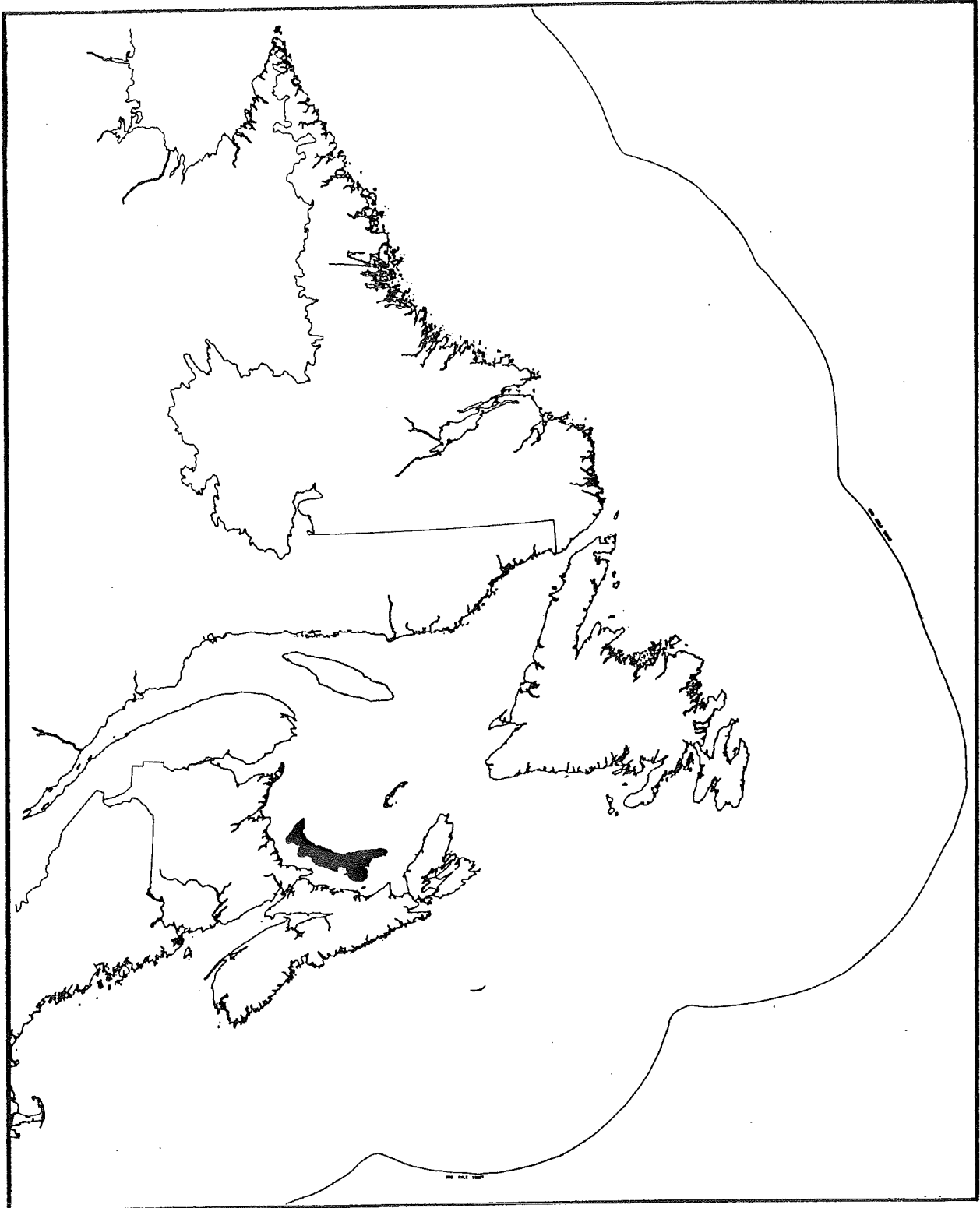


17. Signature: Not signed

Date:

1. **Database Title: Total Fish Landings and Values History**
2. **Contact Person:**
Lewis Creed
Director of Commercial Fisheries
PEI Department of Fisheries and Aquaculture
PO Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-5241; Fax (902) 368-5542
3. **Purpose:**
To keep up-to-date records of landings by species and values landed on Prince Edward Island by year
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Not applicable - Public information received from Department of Fisheries and Oceans
Restrictions: Approval to obtain dial-in access must be obtained from the PEI Department of Finance, Computer Services Division; approval must be obtained from the PEI Department of Fisheries and Aquaculture to access specific information.
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1989 to present (partial information for 1923 to 1989)
Updated yearly
8. **Format:**
On-line access: P.E.P.
Hard-copy
9. **Data Types/Parameters Measured:**
Fish harvesting quantities and values - historical by year
Data elements: Year, species, landings, landed value
10. **Sampling Procedures:**
Information obtained from the Department of Fisheries and Oceans
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 1200 records; growth of 30 records per year
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: UNISYS mainframe (2200)
Operating System: O/S 11
Software: MAPPER (PEI government mainframe system)
15. **Comments:**

16. Map Indicating areas of data holdings:

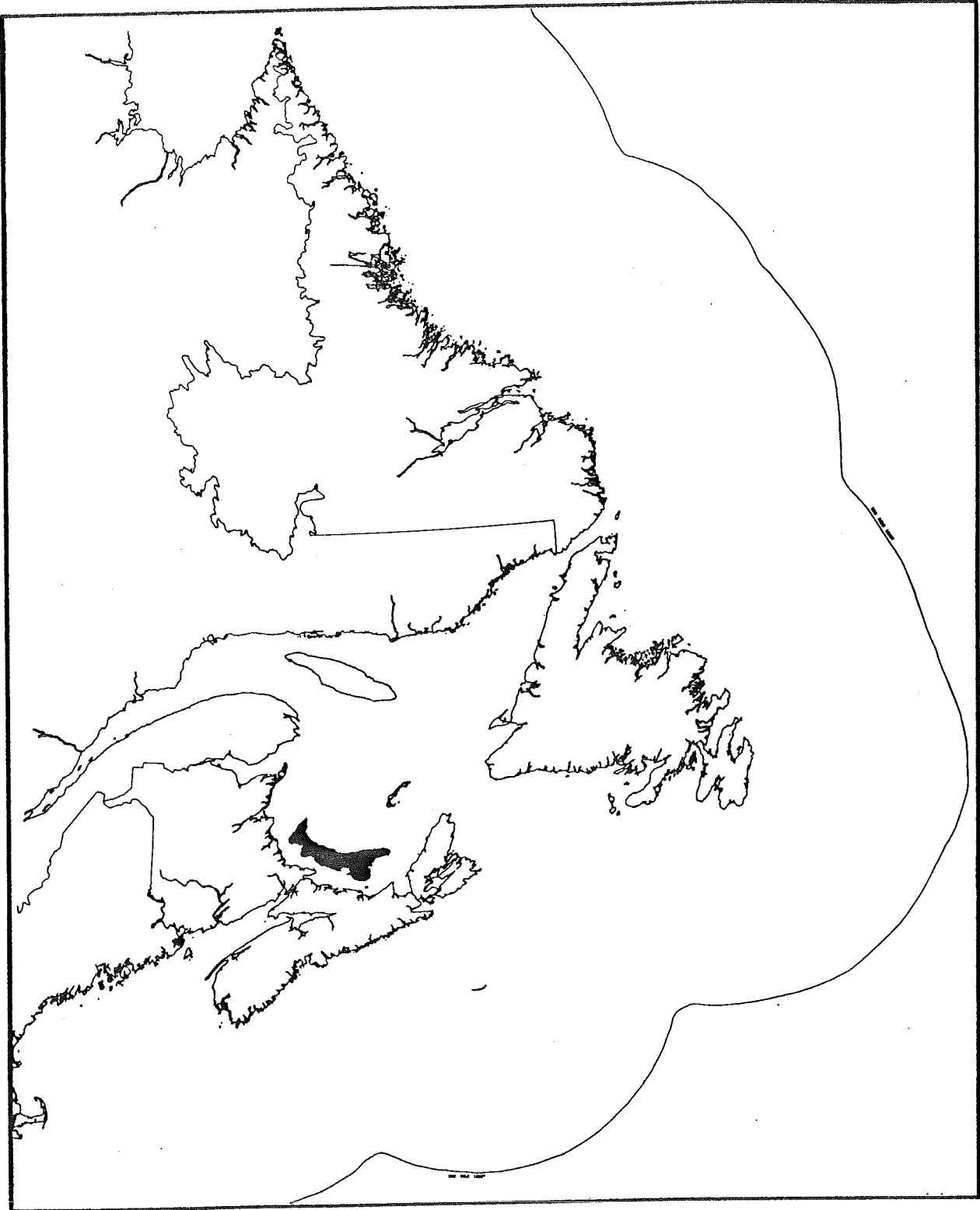


17. Signature: Not signed

Date:

1. **Database Title: Manufacturers and Processors**
2. **Contact Person:**
Terry Hopkins
Manager of Procurement, Planning and Immigration
PEI Department of Industry
Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-4265; Fax (902) 368-5544
3. **Purpose:**
To keep an inventory
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Yet to be determined
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
None
7. **Period of Record/Update Frequency:**
1984 to present
Updated annually
8. **Format:**
Hard-copy
9. **Data Types/Parameters Measured:**
SIC numbers, commodity, number of employees, etc.
10. **Sampling Procedures:**
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 200 records
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: WordStar 2000
15. **Comments:**

16. Map indicating areas of data holdings:

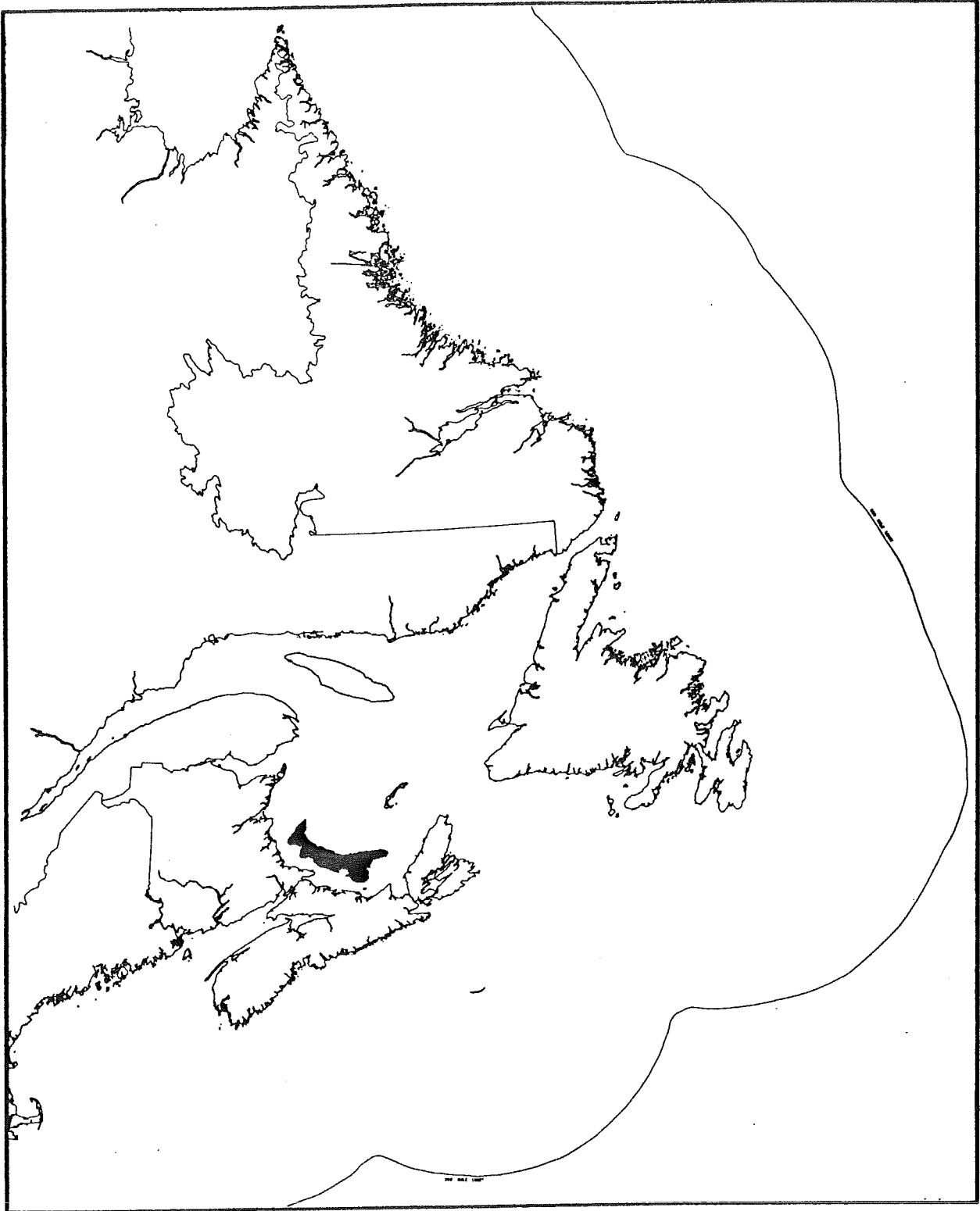


17. Signature: Verified

Date: September 30, 1992

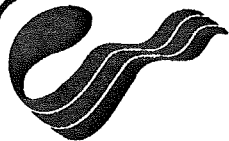
1. **Database Title: Crown Land Inventory**
2. **Contact Person:**
Paul Knox
PEI Department of Transportation and Public Works
PO Box 2000
Charlottetown, Prince Edward Island C1A 7N8
Tel (902) 368-5131; Fax (902) 368-5544
3. **Purpose:**
To provide details on Province-owned real properties for further disposal or lease
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Yet to be determined
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
Parcel/property numbers
7. **Period of Record/Update Frequency:**
Updated quarterly
8. **Format:**
Hard-copy
9. **Data Types/Parameters Measured:**
Property information
10. **Sampling Procedures:**
On-site inspections
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 3000 records
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: dBASE
15. **Comments:**

16. Map indicating areas of data holdings:



17. Signature: Verified

Date: September 30, 1992



**DFO Component of the
Atlantic Coastal Zone Information
Steering Committee
Directory of Data Bases**

October 1992



This document is the final draft of the Canadian Department of Fisheries and Oceans (DFO) component of the Atlantic Coastal Zone Information Steering Committee (ACZISC). As such, this document will be the response of DFO to requests for information on data bases. It will form a section of the ACZISC directory of data bases which is being compiled by that committee for the Atlantic Canadian coastal zone. The questionnaires used to collect the information contained in this document have been accepted by both the Data and Information Management Committee of the Gulf of Maine Council on the Environment and the ACZISC. DFO has accepted these questions as the first step in the collection of information on data bases. DFO is committed to identifying additional data bases to be included in future editions. This information will be maintained and updated within DFO for distribution to interested parties. The next update will be distributed in June 1993.

Please note: maps in this edition have not been verified. Originals are on file.

Please contact:

Paul Bellemare
Director
Canadian Hydrographic Service, Atlantic
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia
B2Y 4A2

Tel (902) 426-3497

Fax (902) 426-7827

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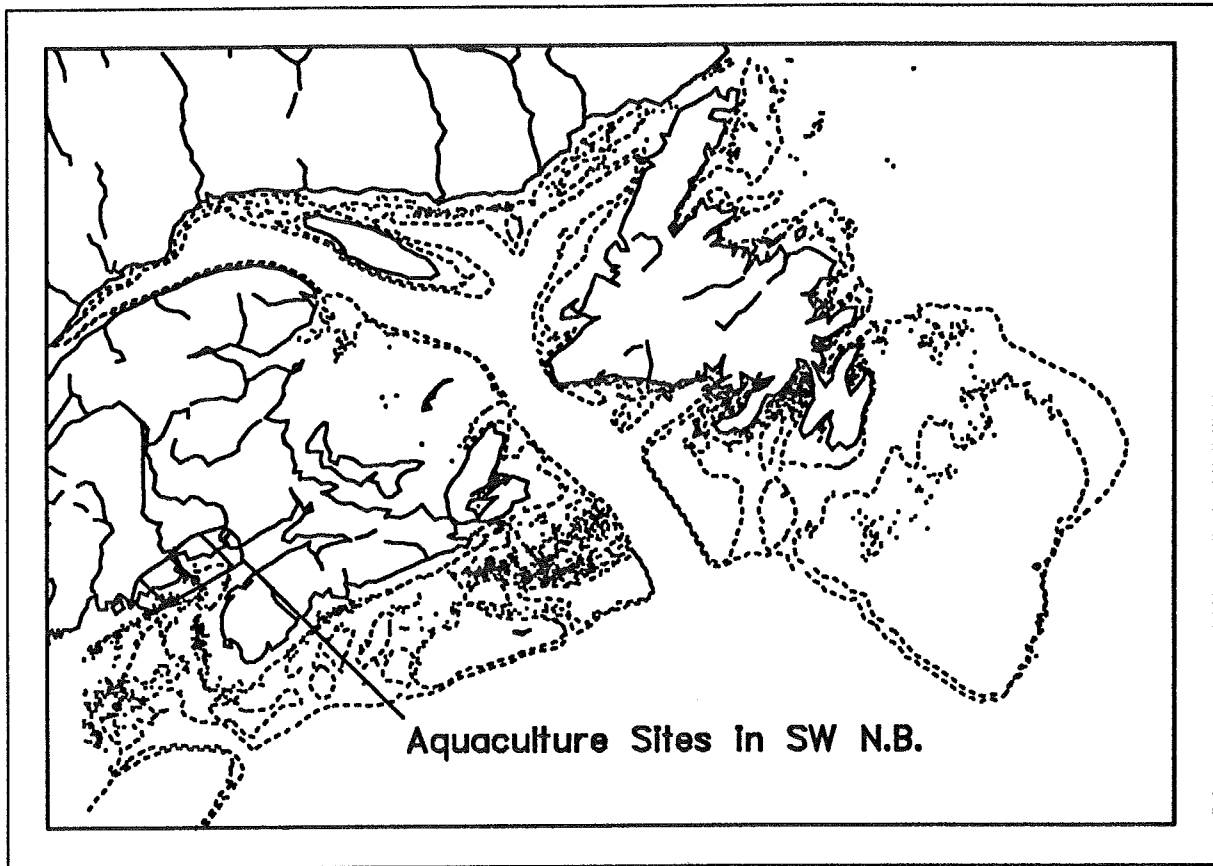
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**Department of Fisheries and Oceans
Directory of Data Bases**

Biological Sciences Branch Scotia-Fundy Region

1. **Data Base Title:** Aquaculture Sites - Southwestern New Brunswick
2. **Contact Person:**
Blythe D. Chang, Program Biologist
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 210
St. Andrews, New Brunswick E0G 2X0
Tel (506) 529-8854 Fax (506) 529-4274
3. **Purpose:**
Management of data on aquaculture permits in southwestern New Brunswick
4. **Access/Fees/Restrictions:**
Through contact person/ none/ release of data subject to approval by New Brunswick
Department of Fisheries and Aquaculture
5. **Geographical Coverage/Scale:**
Southwestern New Brunswick
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1990 to present; updates approximately annually
8. **Format:**
Digital, hardcopy
9. **Data Types/Parameters Measured:**
Locations and permits summaries of operating aquaculture sites in southwestern New
Brunswick. Includes names, locations, permitted number of fish, area, etc.
10. **Sampling Procedures:**
Permit data obtained from New Brunswick Department of Fisheries and Aquaculture
11. **Program Type:**
Management
12. **Size/Growth:**
Updates approximately annually. Number of records depends on the number of permits
(Currently 54 permits, expect about 10% growth annually)
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX 6210, Oracle, summaries also in table on Wordperfect on IBM Compatible PC
15. **Comments:**
Would like to eventually include (or at least make reference to) any DFO fisheries or
environmental data that is relevant to each site

16. Map:



17. Signature:

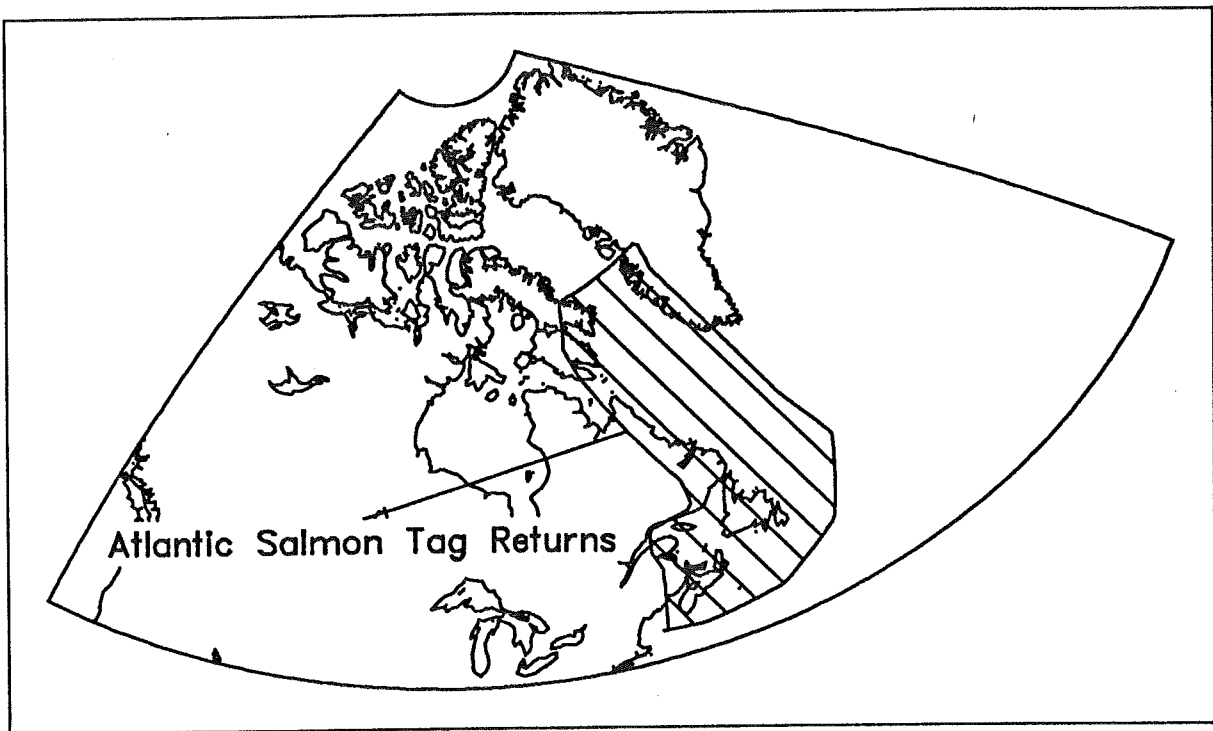
Verified

Date:

May 6, 1992

1. **Data Base Title:** Atlantic Salmon Tag Return Scotia-Fundy Region
2. **Contact Person:**
Karen Newbould, Biologist
Fresh Water and Anadromous Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, Nova Scotia B3J 2S7
Tel (902) 426-3150 Fax (902) 426-3479
3. **Purpose:**
Fish migration, Fish harvesting
4. **Access/Fees/Restrictions:**
Policy pending. None
5. **Geographical Coverage/Scale:**
Atlantic Provinces, Greenland and Quebec
6. **Geographic Referencing:**
Returns entered by Latitude and Longitude
7. **Period of Record/Update Frequency:**
1968 to present
8. **Format:**
Floppy Disk - IBM Compatible PC in 360 Kilobytes or 1.2 Megabytes, 3.5" or 5.25",
Hardcopy
9. **Data Types/Parameters Measured:**
Tag number, date of recovery, location of recovery, length of fish, weight of fish, sex of fish
and method of recovery
10. **Sampling Procedures:**
Tag returns from sport and commercial fishery, trap and fishway data
11. **Program Type:**
Research
12. **Size/Growth:**
Updated annually
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: IBM Compatible PC 386
Operating System: MS-DOS.
Commercial software: ORACLE
15. **Comments:**

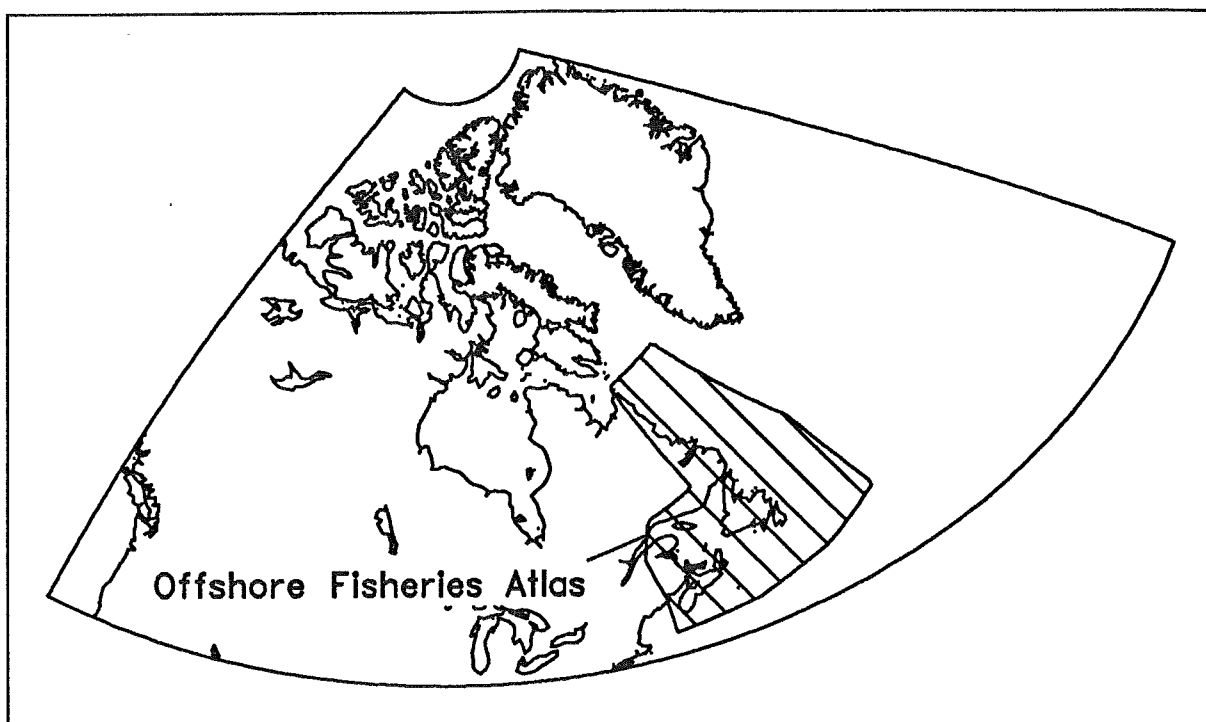
16. Map:



17. Signature: Verified
Date: May 21, 1992

1. **Data Base Title:** Canadian Atlantic Offshore Fisheries Atlas
2. **Contact Person:**
David Scarratt
Benthic Fisheries & Aquaculture Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, Nova Scotia B3J 2S7
Tel (902) 426-7148 Fax (902) 426-8038
3. **Purpose:**
Reference material for offshore oil and mining development and transport
4. **Access/Fees/Restrictions:**
DFO Special Publication 147 available through the Department of Supply and Services/\$8.00/none
5. **Geographical Coverage/Scale:**
Eastern Canada/1:12000000
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
Up to 1981/not updated
8. **Format:**
Hardcopy (some is Digital, see comment)
9. **Data Types/Parameters Measured:**
Offshore fish distribution, sea state, winds, currents, sea surface temperature and ice distribution. Climatological Data are 20 year averages for fall and winter seasons. Fish distribution obtained from published and private data records
10. **Sampling Procedures:**
Questionnaires to experts in field. Review of Department of National Defense overflight records
11. **Program Type:**
Research and Mapping
12. **Size/Growth:**
100 pages/ no recent updating
13. **Environmental Legislation:**
Fisheries Act, Oil & Gas Production Act and Transportation Act
14. **Computer System:**
See comment
15. **Comments:**
Some portions have been input into the Infocus/Quikmap system for use by the DFO Scotia-Fundy, Habitat Sensitivity Mapping System. Contact Paul Boudreau at (902) 426-7564 for more information.

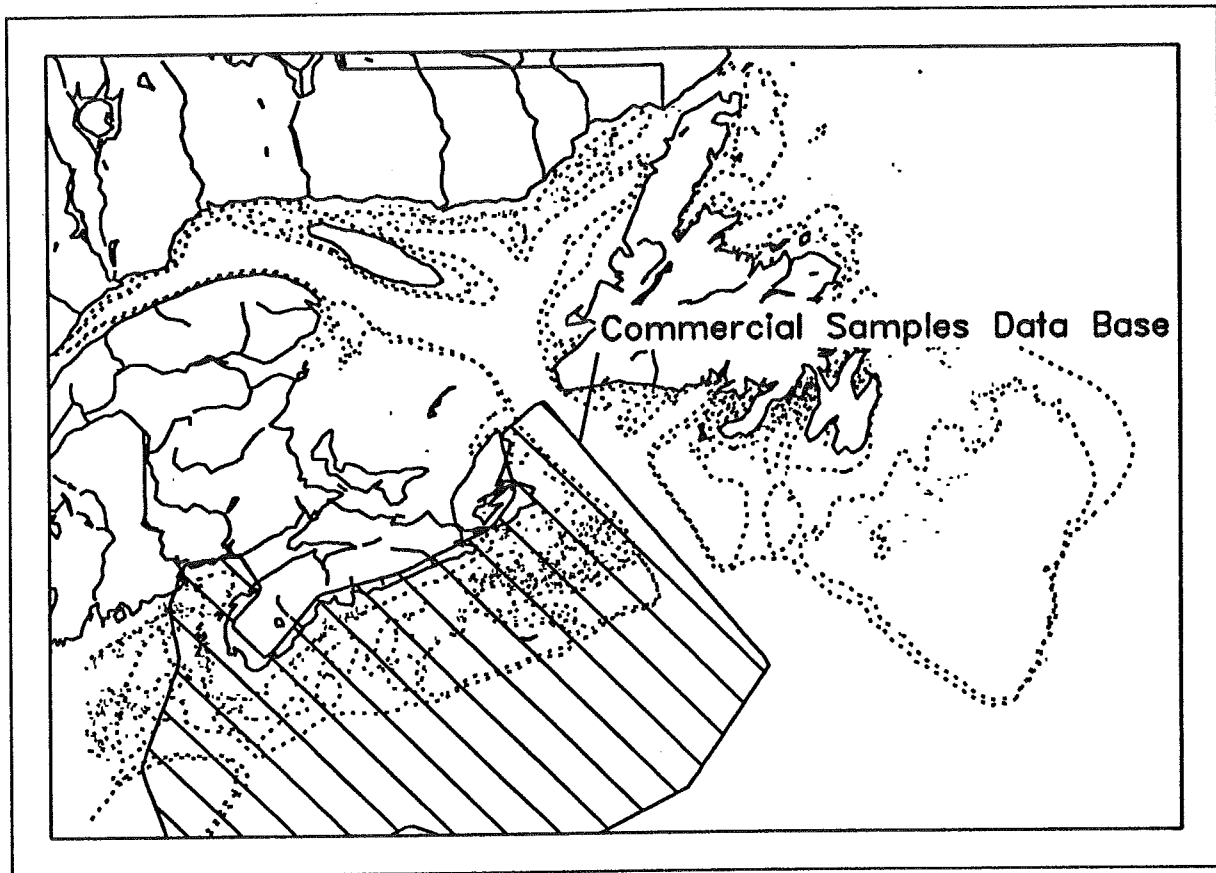
16. Map:



17. Signature: Verified
Date: May 6, 1992

1. **Data Base Title:** Commercial Samples Data Base
2. **Contact Person:**
Kees Zwanenburg
Marine Fish Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-3310 Fax (902) 426-1506
3. **Purpose:**
To estimate the abundance of fish
4. **Access/Fees/Restrictions:**
Through contact person/None/None
5. **Geographical Coverage/Scale:**
Nova Scotia and New Brunswick - Bay of Fundy and Atlantic Coast of Nova Scotia/ Unit Area
6. **Geographic Referencing:**
Unit area/Latitude and Longitude
7. **Period of Record/Update Frequency:**
1948 to present/Weekly
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Biological/Number of fish at certain sizes, weight, age, sex, species, length frequencies, condition landed, type of gear, landing port
10. **Sampling Procedures:**
Fish surveyed at landing port
11. **Program Type:**
Monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
CYBER at BIO, IBM Compatible PC
15. **Comments:**

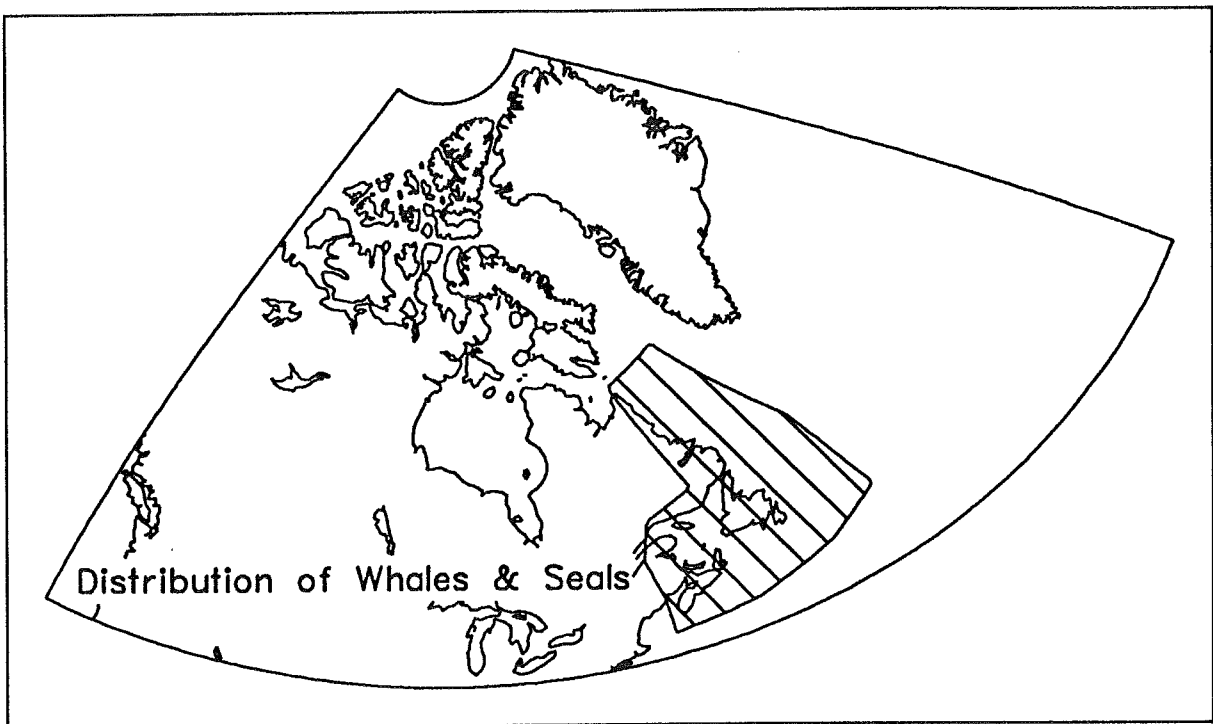
16. Map:



17. Signature: Verified
 Date: May 18, 1992

1. **Data Base Title:** Distribution of Whales and Seals
2. **Contact Person:**
Paul Brodie
Habitat Ecology Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-6325 Fax (902) 426-7827
3. **Purpose:**
To determine the distribution and abundance of whales and seals
4. **Access/Fees/Restrictions:**
Through contact person/None/None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - offshore waters and onshore seal colonies
6. **Geographic Referencing:**
None
7. **Period of Record/Update Frequency:**
1950's to present/Variable, although counts of some species of seals are updated annually
8. **Format:**
Hard-copy reports, publications and data files. Data on harp and hooded seals are computerized
9. **Data Types/Parameters Measured:**
Biological/distribution and abundance estimates of whales and seals, especially at areas of food abundance and at seal whelping colonies
10. **Sampling Procedures:**
Strip surveys, field surveys at breeding grounds, aerial and ship borne surveys
11. **Program Type:**
Research, monitoring
12. **Size/Growth:**
5% per year
13. **Environmental Legislation:**
Fisheries Act. Possible restriction of gill net fishing during periods of harbour porpoise occupation
14. **Computer System:**
Macintosh
15. **Comments:**
Contact person has access to several data bases and scientific studies

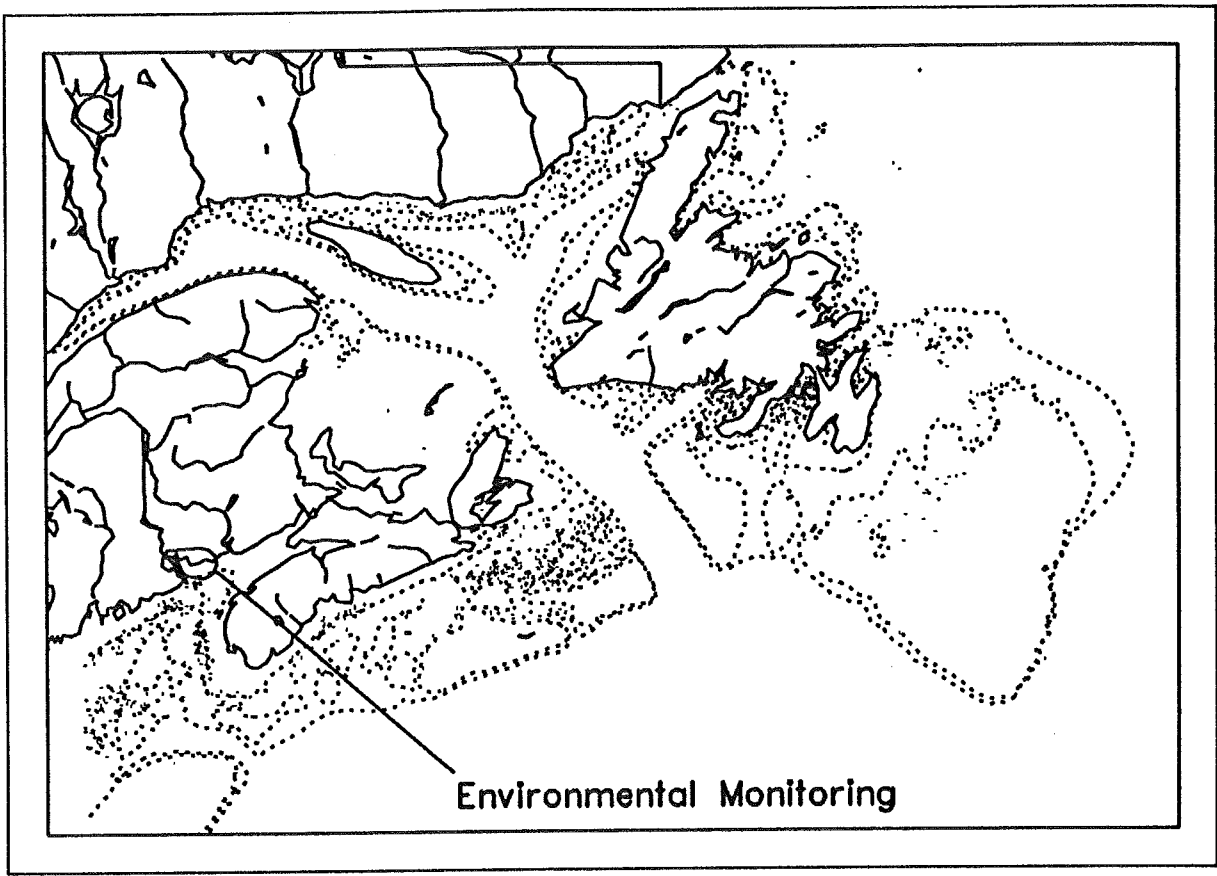
16. Map:



17. Signature: Verified
Date: June 3, 1992

1. **Data Base Title:** Environmental Monitoring Program, Phytoplankton, Physical & Chemical Oceanography
2. **Contact Person:**
Jennifer Martin, Biologist and David J. Wildish, Research Scientist
Aquaculture and Invertebrate Fisheries Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 210
St. Andrews, New Brunswick E0G 2X0
Tel (506) 529-8854 Fax (506) 529-4274
3. **Purpose:**
To advise and provide an early warning to the aquaculture industry, to monitor impacts of salmonid aquaculture
4. **Access/Fees/Restrictions:**
Through contact person/no charge
5. **Geographical Coverage/Scale:**
Southwestern Bay of Fundy
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
1987 to present/on-going
8. **Format:**
Hardcopy - technical report
9. **Data Types/Parameters Measured:**
Phytoplankton distribution and abundance, salinity, temperature, dissolved oxygen, chlorophyll a, nutrients
10. **Sampling Procedures:**
On site sampling
11. **Program Type:**
Monitoring and research
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: VAX6210, IBM Compatible PC
Operating system: VMS
In-house software: Foxpro, Quattro Pro
15. **Comments:**

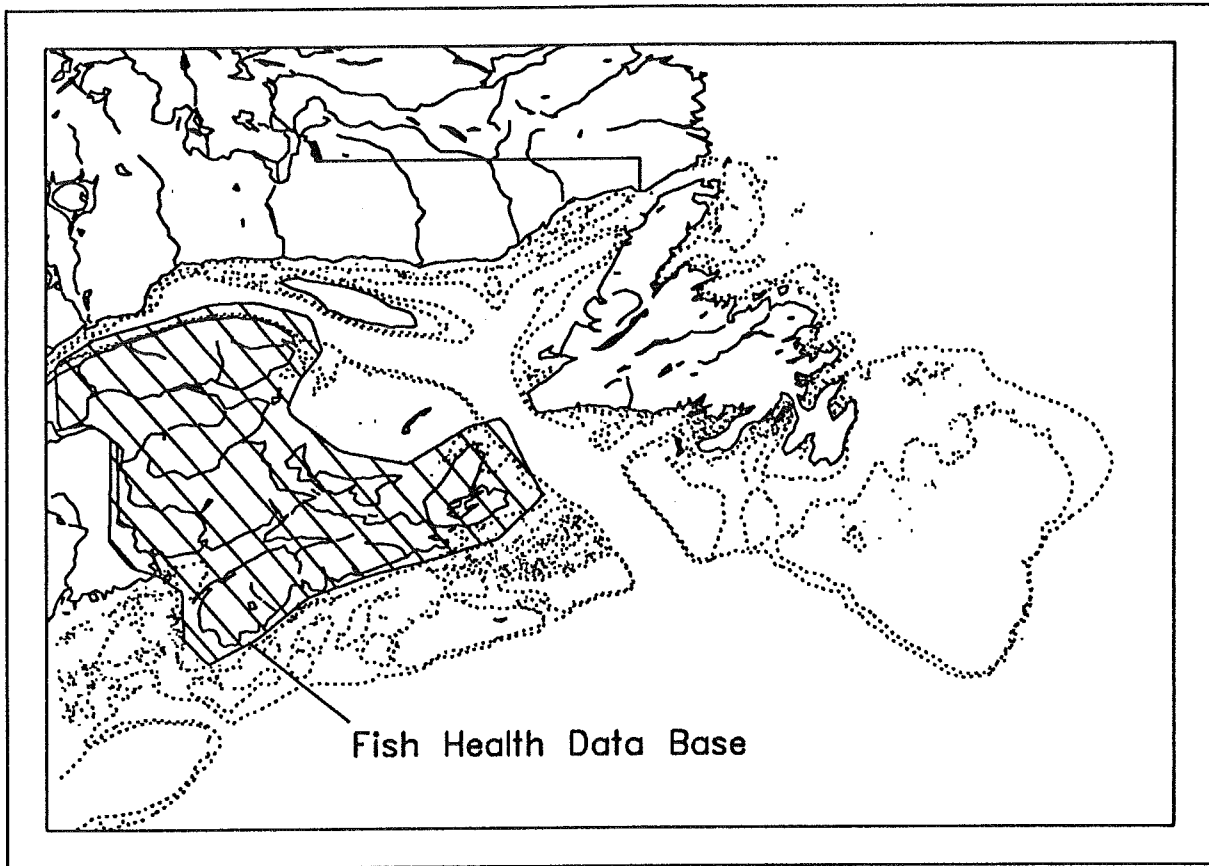
16. Map:



17. Signature: Verified
Date: May 25, 1992

1. **Data Base Title:** Fish Health Data Base - Maritime Provinces
2. **Contact Person:**
J.W. Cornick
Benthic Fisheries and Aquaculture Division
Biological Sciences Branch
Department of Fisheries and Ocean
P.O. Box 550
Halifax, Nova Scotia B3J 2S7
Tel (902) 426-8391 Fax (902) 426-8038
3. **Purpose:**
To record inventories of fish disease distribution throughout the Maritime Provinces and provide case file storage and report writing functions
4. **Access/Fees/Restrictions:**
Through contact person/None/some diagnostic data for clients may be restricted
5. **Geographical Coverage/Scale:**
Scotia-Fundy Region
6. **Geographic Referencing:**
None
7. **Period of Record/Update Frequency:**
1974 to present/Daily
8. **Format:**
Hard-copy, digital
9. **Data Types/Parameters Measured:**
Biological/Disease agents
10. **Sampling Procedures:**
Autopsy and bacteriological, virological and parasitological examination of fish
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 900 records/year: updated 2-3 weeks
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC, MacIntosh
15. **Comments:**
Also includes some chemical and physical data such a temperature, pH and dissolved oxygen

16. Map:

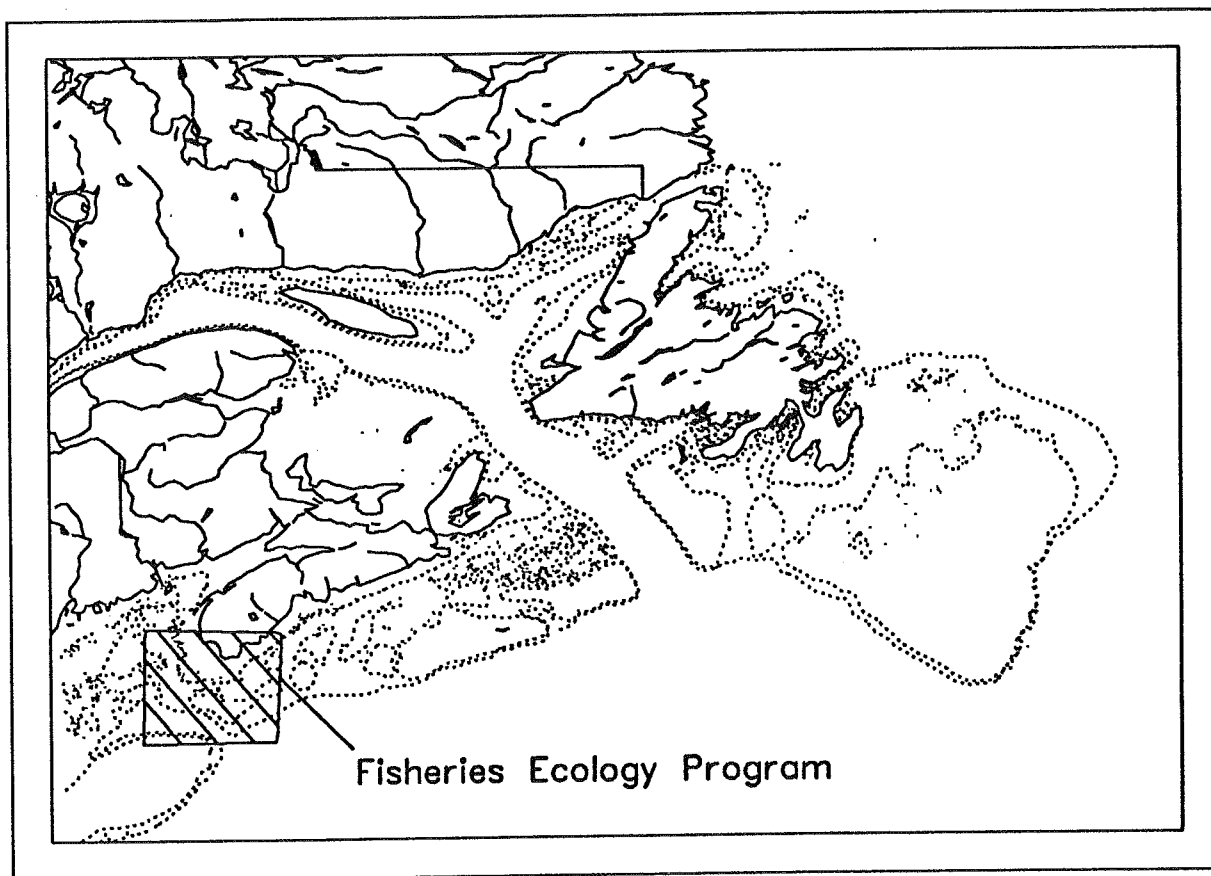


17. Signature: Verified
Date: May 25, 1992

1. **Data Base Title:** Fisheries Ecology Program - Early Life History Studies - Broad Scale Distribution
2. **Contact Person:**
R.N. O'Boyle, Division Chief
Marine Fish Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, N.S. B2Y 4A2
Tel (902) 426-489 Fax (902) 426-1506
3. **Purpose:**
To describe the spatial and temporal variability in haddock spawning in NAFO Division 4X and the factors that contribute to this variability
4. **Access/Fees/Restrictions:**
All requests have to be approved by Science Director in consultation with line management; no formal pricing policy exists. Costs are negotiated on a case by case basis
5. **Geographical Coverage/Scale:**
Coastal waters off southwest Nova Scotia
6. **Geographic Referencing:**
Latitude/Longitude (degrees, minutes, seconds) and sampling grid identifier
7. **Period of Record/Update Frequency:**
February-June 1983-85. Data set completed
8. **Format:**
Sequential files, multiple card types, Floppy disk - 5.25" high density, 3.5" high density for PC, On-line access - TELNET, FTP, DEC VT100, Kermit, Xmodem, Hardcopy
9. **Data Types/Parameters Measured:**
Species identification and enumeration of ichthyoplankton collected from both surface and oblique tows of 0.333 mm mesh 60 cm diameter bongo net. Qualitative estimates of major zooplankton taxa usually available. Hydrographic data usually collected and chlorophyll and water chemistry samples collected in specific cases. Detailed information available on request
10. **Sampling Procedures:**
Detailed information available on request
11. **Program Type:**
Research
12. **Size/Growth:**
Approximately 1500 ichthyoplankton tows total, from monthly cruises February-June 1983-85. Data set static
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: CDC Cyber
Operating System: NOS/VE

15. **Comments:**
List of FEP Publications available on disc

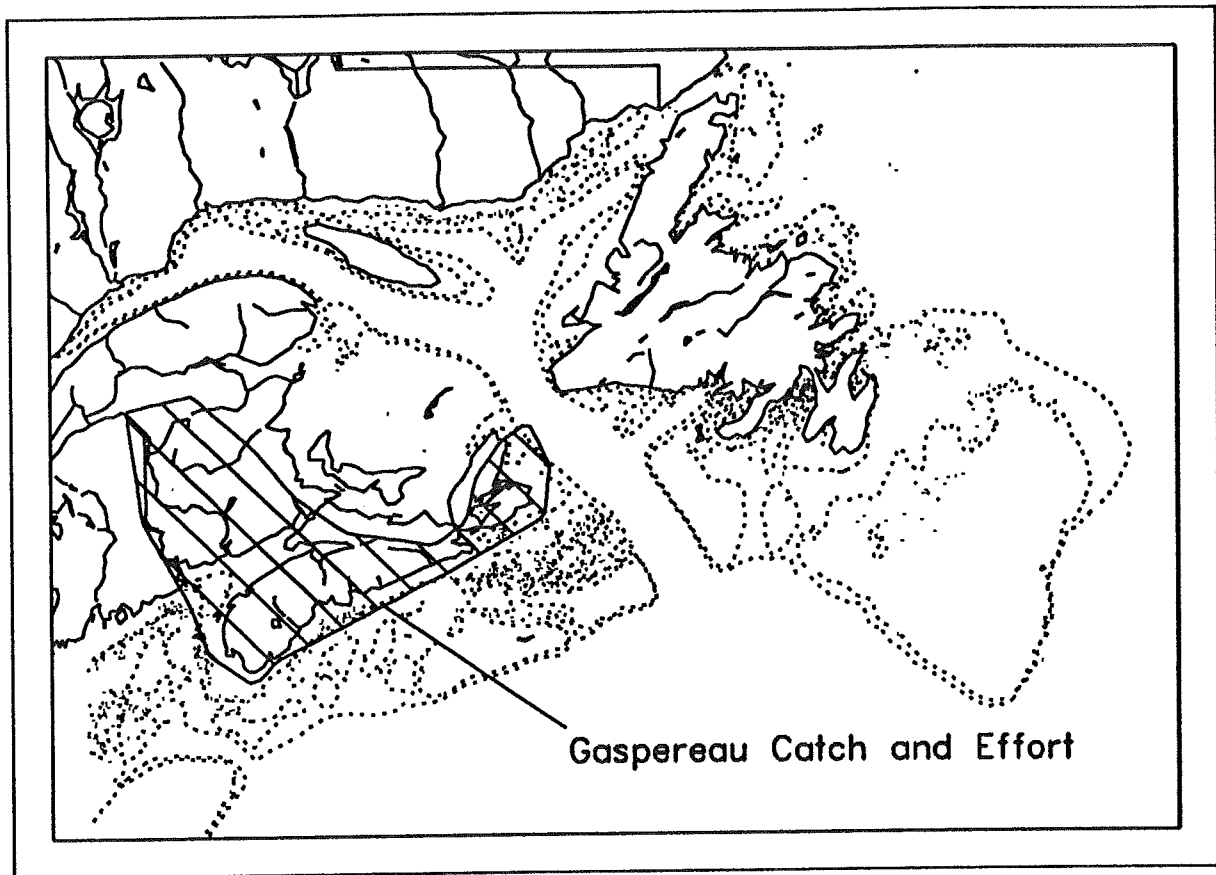
16. **Map:**



17. **Signature:** Verified
Date: June, 1992

1. **Data Base Title:** Gaspereau Commercial Catch and Effort
2. **Contact Person:**
Shane O'Neil, Biologist
Fresh Water and Anadromous Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, Nova Scotia B3J 2S7
Tel (902) 426-157 Fax (902) 426-3479
3. **Purpose:**
Fish Science
4. **Access/Fees/Restrictions:**
Data cannot be released as it contains the fisherman's name. A summary of the Fisheries and Oceans statistical districts would be available. No cost. Negotiations regarding time frames, etc
5. **Geographical Coverage/Scale:**
Scotia-Fundy Region
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
On-going compilation. 1988 to present/ Annual
8. **Format:**
Floppy Disk - IBM Compatible PC in 360 Kilobytes or 1. Megabytes, 3.5" or 5.25",
Hardcopy
9. **Data Types/Parameters Measured:**
Name of fisherman; gear type; community code, daily catch of Gaspereau in Kg., daily effort, distribution of catch once sold, e.g., bait, buyer, etc.
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Research, Monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: IBM Compatible PC/AT
Operating System: MS-DOS
In-house software; Lotus 1-2-3
15. **Comments:**

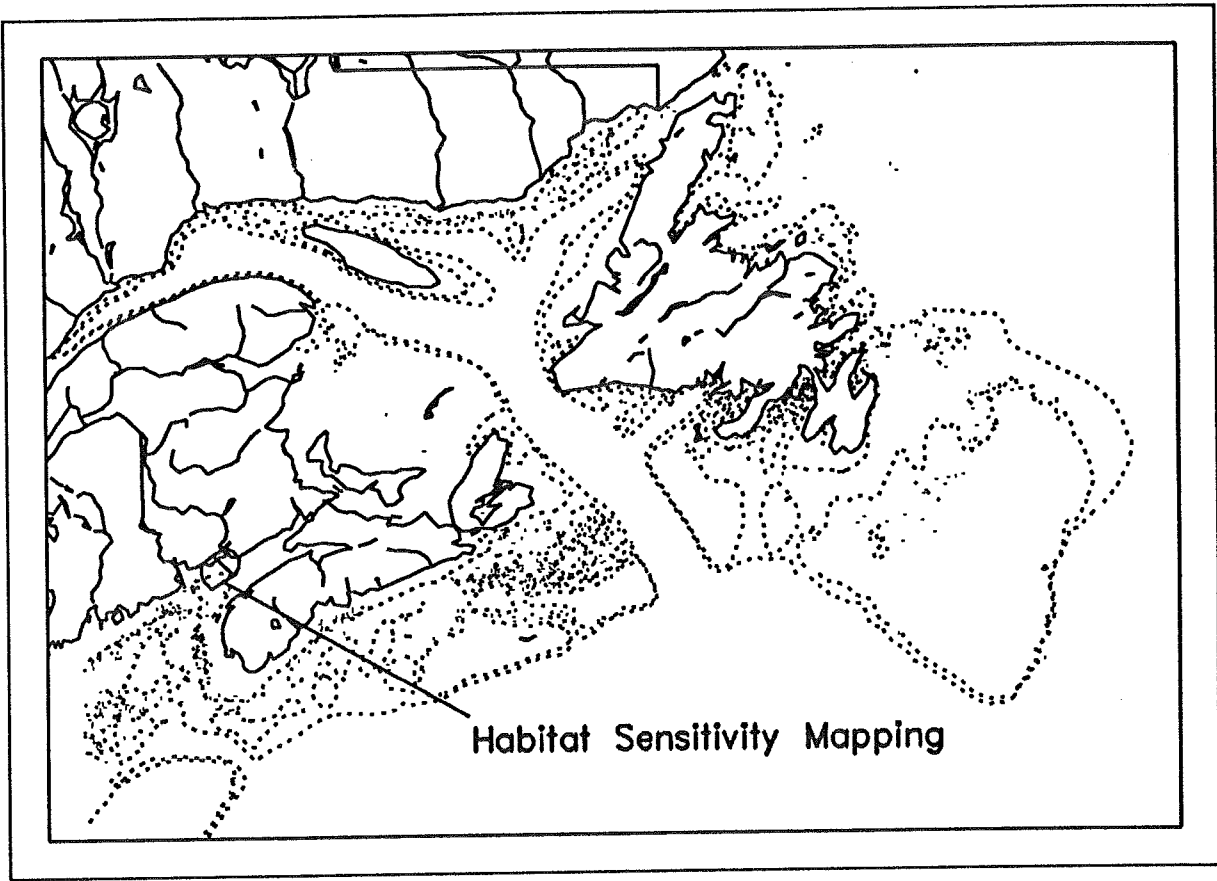
16. Map:



17. Signature: Verified
Date: May 21, 1992

1. **Data Base Title:** Habitat Sensitivity Mapping System
2. **Contact Person:**
Paul R. Boudreau, Biologist
Habitat Ecology Division E-Mail: Boudreau@Biome.bio.dfo.ca
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-756 Fax (902) 426-2256
3. **Purpose:**
To support DFO personnel in responding to chemical spills
4. **Access/Fees/Restrictions:**
No policy/none/none
5. **Geographical Coverage/Scale:**
Atlantic, Scotia-Fundy Region, Saint John to Lepreau area of New Brunswick/Various from 1:10,000 to 1:12,000,000
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
Various/yearly
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Bathymetry, coastline, topography, navigational charts, surficial geology, NAFO zone chart, fisheries officers zones, small crafts and harbours, seawater intakes, fish landing stations, fish processing locations, aquaculture sites, lobster pounds, herring seiner locations, sturgeon gill net, lobster and groundfish areas, herring weirs, herring shutoff points, distribution information for marine mammals, argentine, haddock, tuna, cod, herring, lobster, mackerel, pollock, redfish, snow crab, lobster and scallop nursery areas, anadromous fish rivers, hazardous material equipment and ocean dumping sites
10. **Sampling Procedures:**
Integration of existing data from various sources
11. **Program Type:**
Research and mapping
12. **Size/Growth:**
10 Megabytes/Undetermined
13. **Environmental Legislation:**
Fisheries Act
14. **Computer System:**
Host computer: IBM compatible PC; Operating System: Infocus/Quikmap
15. **Comments:**

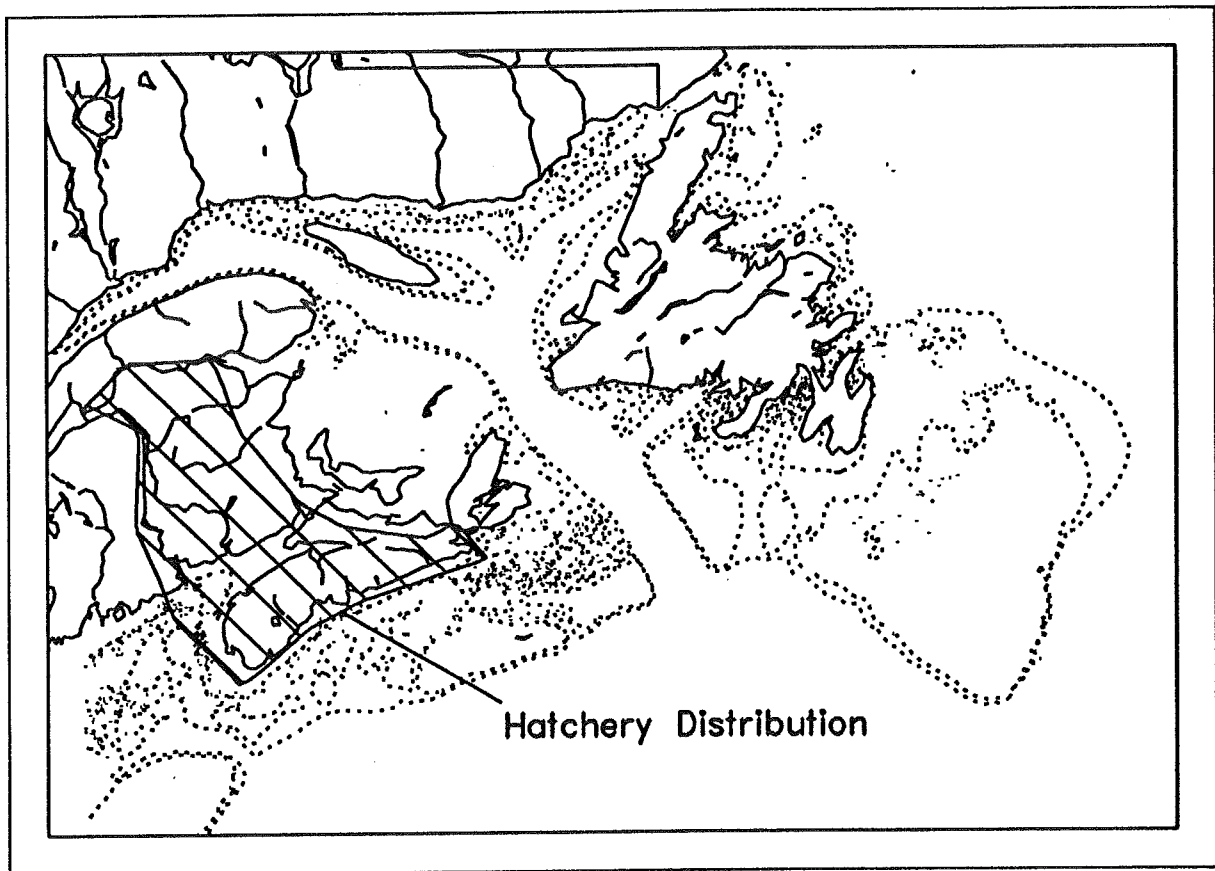
16. Map:



17. Signature: Verified
Date: June 16, 1992

1. **Data Base Title:** Hatchery Distribution Data
2. **Contact Person:**
Jane McLean, Biological Technician
Fresh Water Anadromous Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, Nova Scotia B3J 2S7
Tel (902) 426-242 Fax (902) 426-3479
3. **Purpose:**
Fish (Salmonids) stocking records.
4. **Access/Fees/Restrictions:**
Our policy with respect to sharing of this data with outside users is still being formulated.
Data exchange / release will take place based on negotiated time frame at no cost
5. **Geographical Coverage/Scale:**
Scotia-Fundy Region
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
1976 to present
8. **Format:**
Hardcopy
9. **Data Types/Parameters Measured:**
Site, date, species, stock, mark, stage, length, weight, number of fish, hatchery
10. **Sampling Procedures:**
On site surveys
11. **Program Type:**
Research
12. **Size/Growth:**
10,000+/-annual update
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: IBM compatible PC
Operating System: MS-DOS
Commercial software: ORACLE
In-house software
15. **Comments:**

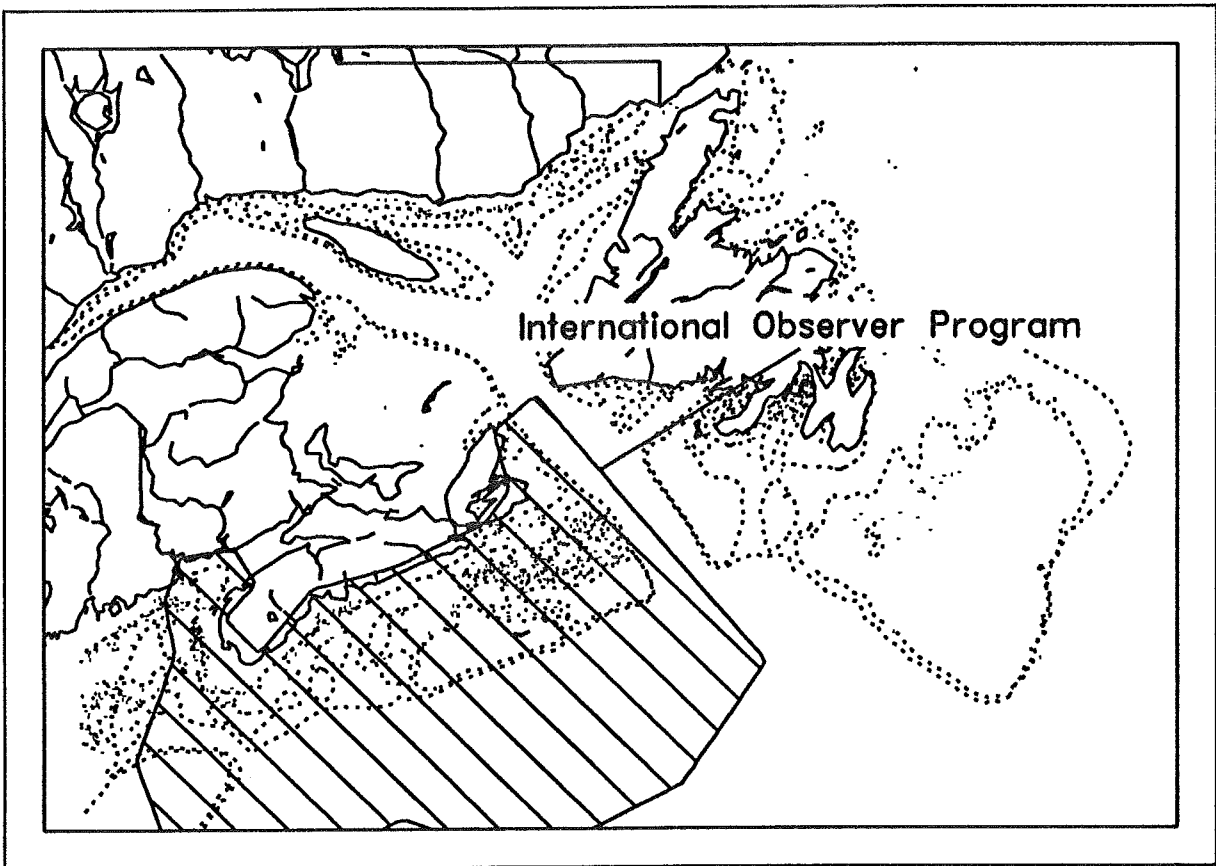
16. Map:



17. **Signature:** Verified
 Date: May 1, 1992

1. **Data Base Title:** International Observer Program
2. **Contact Person:**
Don Waldron, Research Scientist
Marine Fish Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-293 Fax (902) 426-7827
3. **Purpose:**
Fisheries research, fish harvesting, fisheries management
4. **Access/Fees/Restrictions:**
All requests have to be approved by Science Director in consultation with line management.
No formal pricing policy exists. Costs are negotiated on a case by case basis
5. **Geographical Coverage/Scale:**
Scotia-Fundy Region
6. **Geographic Referencing:**
Set by set positional observations, Latitude and Longitude
7. **Period of Record/Update Frequency:**
1977 to present
8. **Format:**
Tape - 9", 1600 BPI, 6250 BPI
Floppy Disk - 3.5", 5.25" High Density
On-line access - Telnet, FTP, DEC VT100, Kermit, Xmodem
Hardcopy
9. **Data Types/Parameters Measured:**
Available on request
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Monitoring and Research
12. **Size/Growth:**
Updated daily as data arrives. 40 Megabytes/ year
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: CDC CYBER; Operating System: NOS / VE; Commercial software:
ORACLE V6; In-house software
15. **Comments:**
Data are business protected

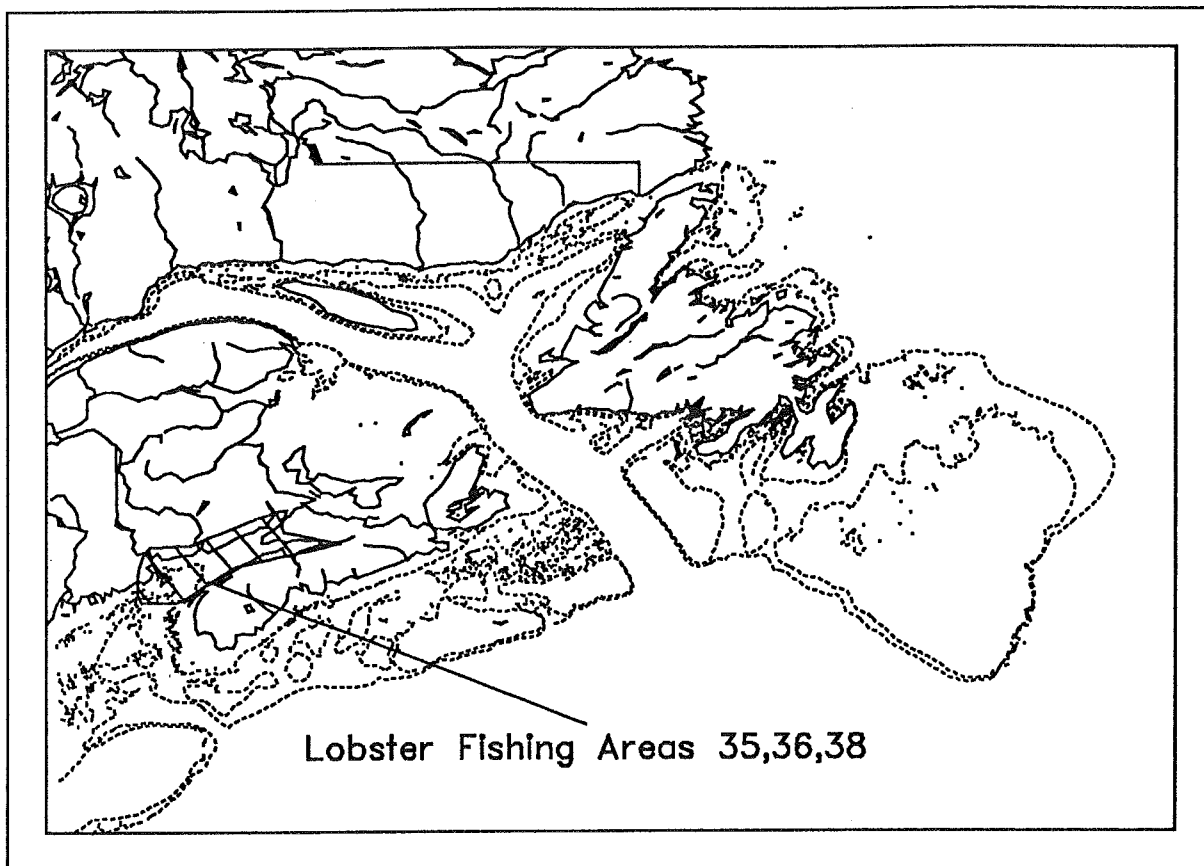
16. Map:



17. Signature: Verified
Date: April 29, 1992

1. **Data Base Title:** Lobster Sampling Program
2. **Contact Person:**
David Robichaud, Lobster Biologist
Aquaculture & Invertebrate Fishery Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 210
St. Andrews, New Brunswick E0G 2X0
Tel (506) 529-885 Fax (506) 529-4274
3. **Purpose:**
Monitor the lobster fishery
4. **Access/Fees/Restrictions:**
Through contact person/none/on unverified data
5. **Geographical Coverage/Scale:**
Bay of Fundy
6. **Geographic Referencing:**
Port code
7. **Period of Record/Update Frequency:**
1977-1991/ yearly
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Crustaceans, size, sex, depth, egg stage, shell condition
10. **Sampling Procedures:**
Aboard commercial boats
11. **Program Type:**
Monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Vax 6210
15. **Comments:**

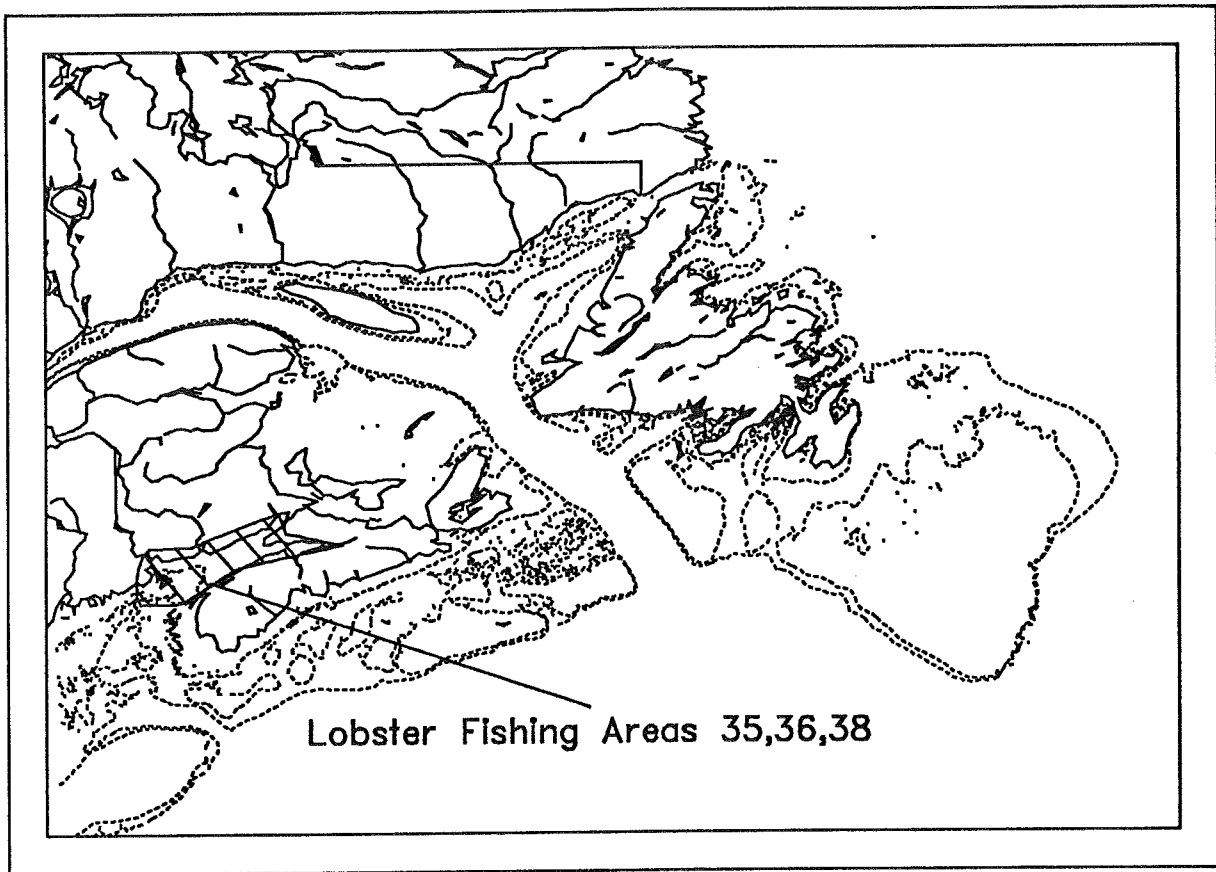
16. Map:



17. Signature: Verified
Date: April 30, 1992

1. **Data Base Title:** Lobster Tagging/Recover
2. **Contact Person:**
David Robichaud, Lobster Biologist
Aquaculture & Invertebrates Fishery Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 210
St. Andrews, New Brunswick E0G 2X0
Tel (506) 529-885 Fax (506) 529-4274
3. **Purpose:**
Study Lobster Movement and Growth Studies
4. **Access/Fees/Restrictions:**
Through contact person/none/on unverified data
5. **Geographical Coverage/Scale:**
Bay of Fundy
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1977-1991/ yearly
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Crustaceans, size, date, location, depth
10. **Sampling Procedures:**
Standard commercial traps, diving
11. **Program Type:**
Research
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Vax 6210
15. **Comments:**

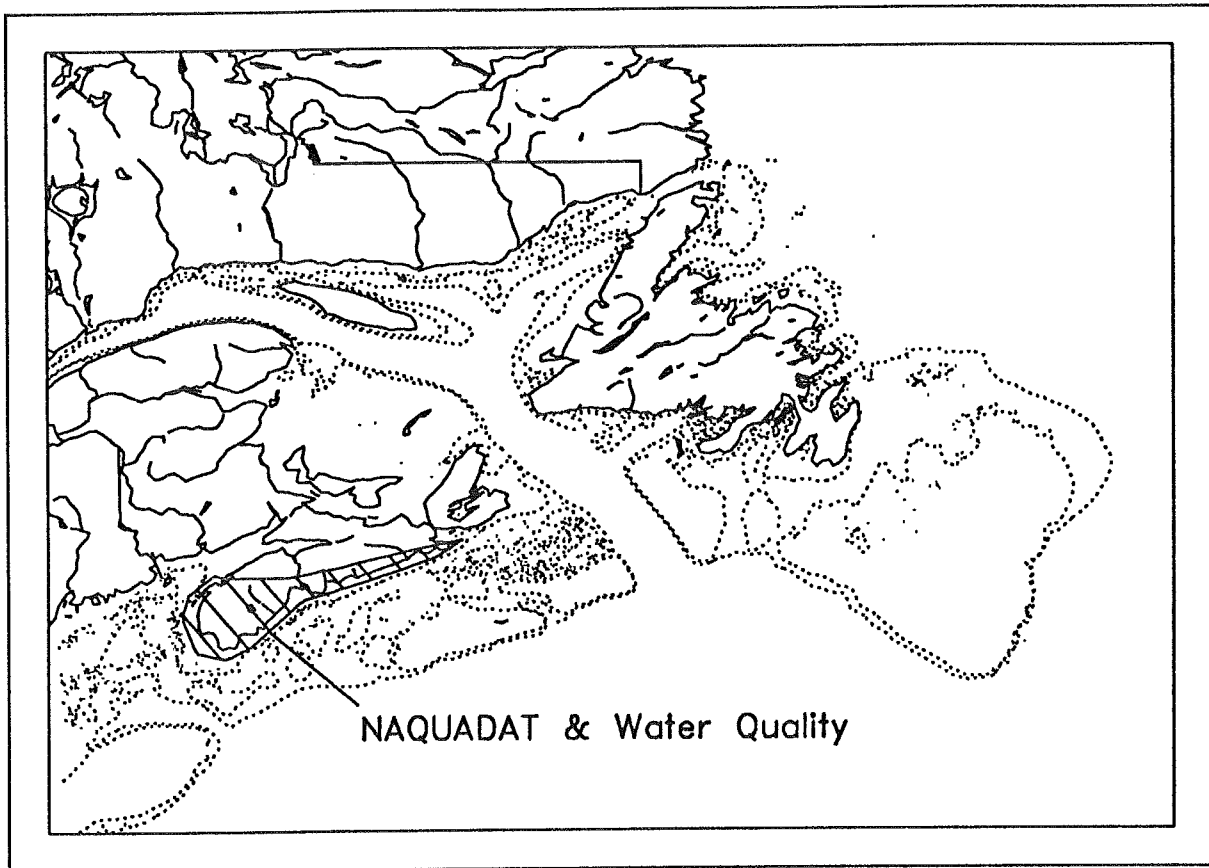
16. Map:



17. Signature: Verified
Date: April 30, 1992

1. **Data Base Title:** NAQUADAT & Biomonitoring Water Quality
2. **Contact Person:**
Wesley White
Freshwater and Anadromous Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, Nova Scotia B3J 2S7
Tel (902) 426-357 Fax (902) 426-3479
3. **Purpose:**
To maintain data from acid rain investigations and biomonitoring
4. **Access/Fees/Restrictions:**
Through contact person/None/None
5. **Geographical Coverage/Scale:**
Nova Scotia - rivers draining to the Atlantic Coast (south shore and eastern shore)/ point data
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1981 to present/Monthly
8. **Format:**
Hard-copy, digital
9. **Data Types/Parameters Measured:**
Chemical/Field pH and temperature, lab pH, sodium, potassium, calcium, manganese, magnesium, hardness, aluminum, sulphate, chloride, ammonia, dissolved oxygen, carbon, acidity, arsenic, cadmium, copper, iron, nickel, lead, chromium, selenium, zinc, colour
10. **Sampling Procedures:**
Standard field sampling methods
11. **Program Type:**
Monitoring, research
12. **Size/Growth:**
200 water analyses/year
13. **Environmental Legislation:**
Fisheries Act
14. **Computer System:**
IBM Compatible PC, Lotus 123
15. **Comments:**
Information available from a variety of sources including the Inland Waters labs in Moncton and the pathology lab in Halifax; data on rivers acidified by acid rain

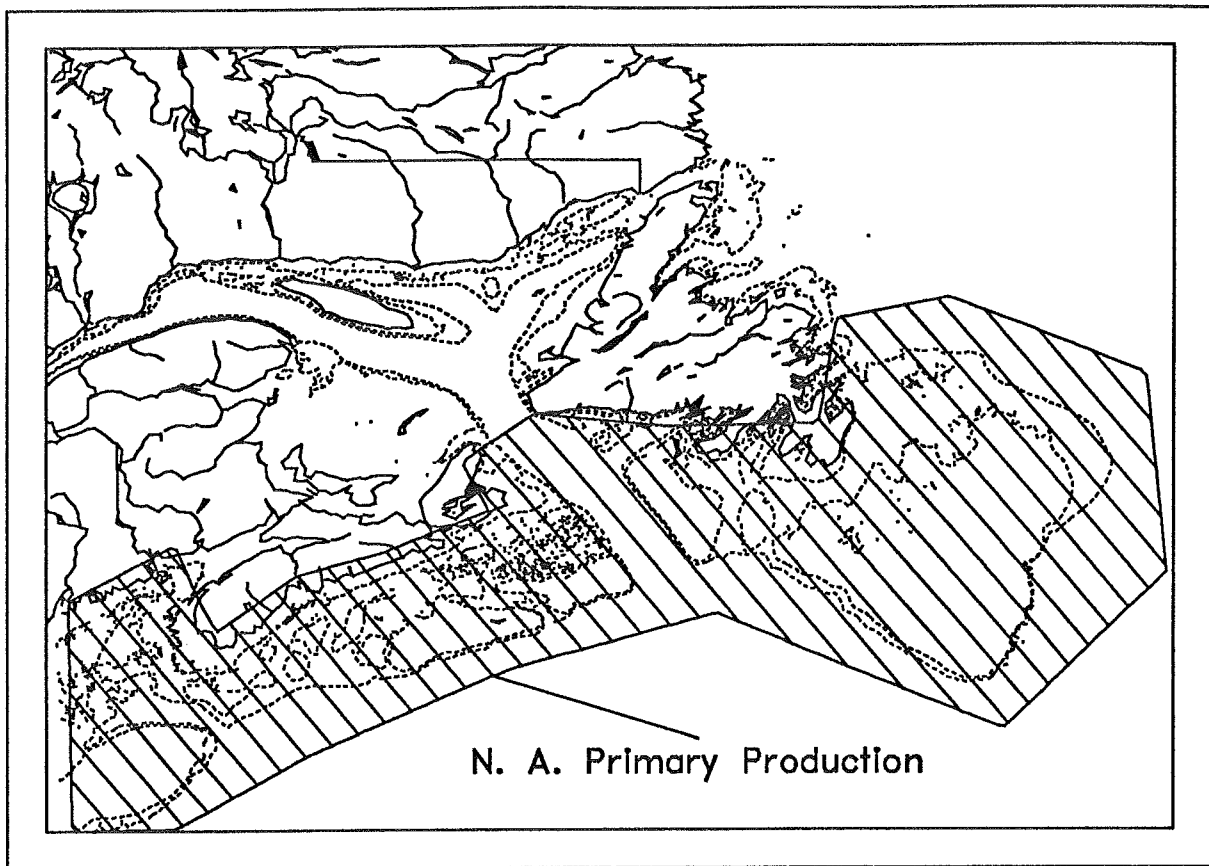
16. Map:



17. Signature: Verified
Date: May 15, 1992

1. **Data Base Title:** North Atlantic Primary Production
2. **Contact Person:**
Carla Caverhill
Biological Oceanography Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-325 Fax (902) 426-9388
3. **Purpose:**
Study primary production in the ocean
4. **Access/Fees/Restrictions:**
Through contact person/none/none
5. **Geographical Coverage/Scale:**
North Atlantic from Kane Basin to the Caribbean, from Resolute Bay to the Irish Sea
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1973 to present/no regular update procedure
8. **Format:**
Digital, flat ASCII files
9. **Data Types/Parameters Measured:**
Chlorophyll "A" concentrations, P_m , alpha, water temperature and depth, nutrients
10. **Sampling Procedures:**
On site collection
11. **Program Type:**
Research and mapping
12. **Size/Growth:**
2000+ data items
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Stardent Unix
15. **Comments:**
This data base is being converted to a relational data base system

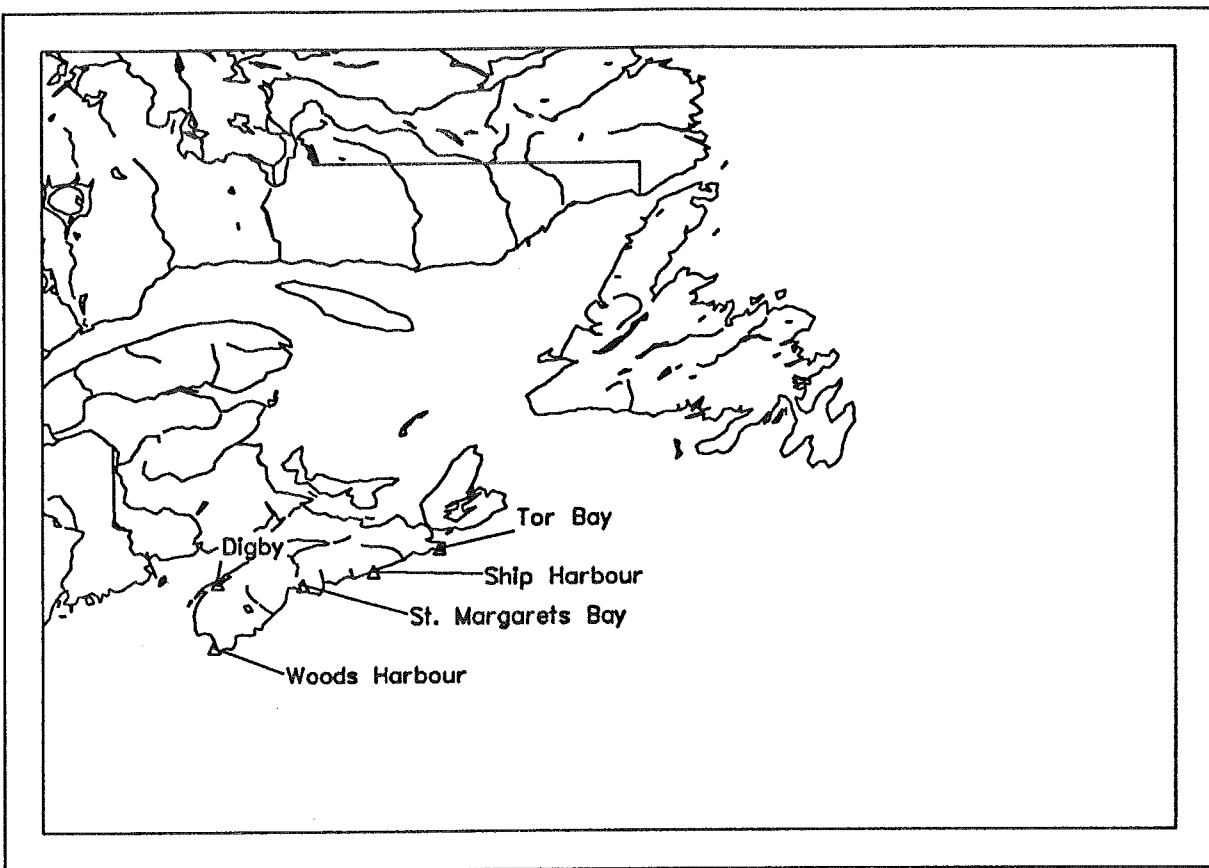
16. Map:



17. Signature: Verified
Date: May 7, 1992

1. **Data Base Title:** Phytoplankton Monitoring Program
2. **Contact Person:**
Paul Keizer, Researcher
Habitat Ecology Division
Biological Sciences Branch EMail: PKEIZER@biome.bio.dfo.ca
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-384 Fax (902) 426-7827
3. **Purpose:**
Research and habitat management
4. **Access/Fees/Restrictions:**
N/A
5. **Geographical Coverage/Scale:**
Tor Bay, Ship Harbour, St. Margarets Bay, Woods Harbour, Digby, Nova Scotia
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
Oct. 1988 to Dec. 1991
8. **Format:**
FoxPro 2.
Floppy Disk - MS-DOS or Macintosh
E-Mail - NSTN, DFONET
9. **Data Types/Parameters Measured:**
Oceanography - Biological, Chemical, Physical: Station, Date, Time, Secchi depth, Water depth, Sample depth, Temperature, Salinity, Phosphate, Nitrate, Silicate, Ammonia, Urea, Chlorophyll, Phaeophytin, SPM, Phytoplankton species and abundance
10. **Sampling Procedures:**
On site surveys
11. **Program Type:**
Monitoring and Research
12. **Size/Growth:**
1306 records (Stations X Dates X Depths), 16,000+ phytoplankton records
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: 80486 based IBM Compatible PC
Operating System: MS-DOS
Commercial software: FOXPRO 2.0
15. **Comments:**
New long term monitoring program to start June 1992 with two sites (Sambro Head and Indian Point); same data as above (2 X 30 Dates X 3 Depths) records per year

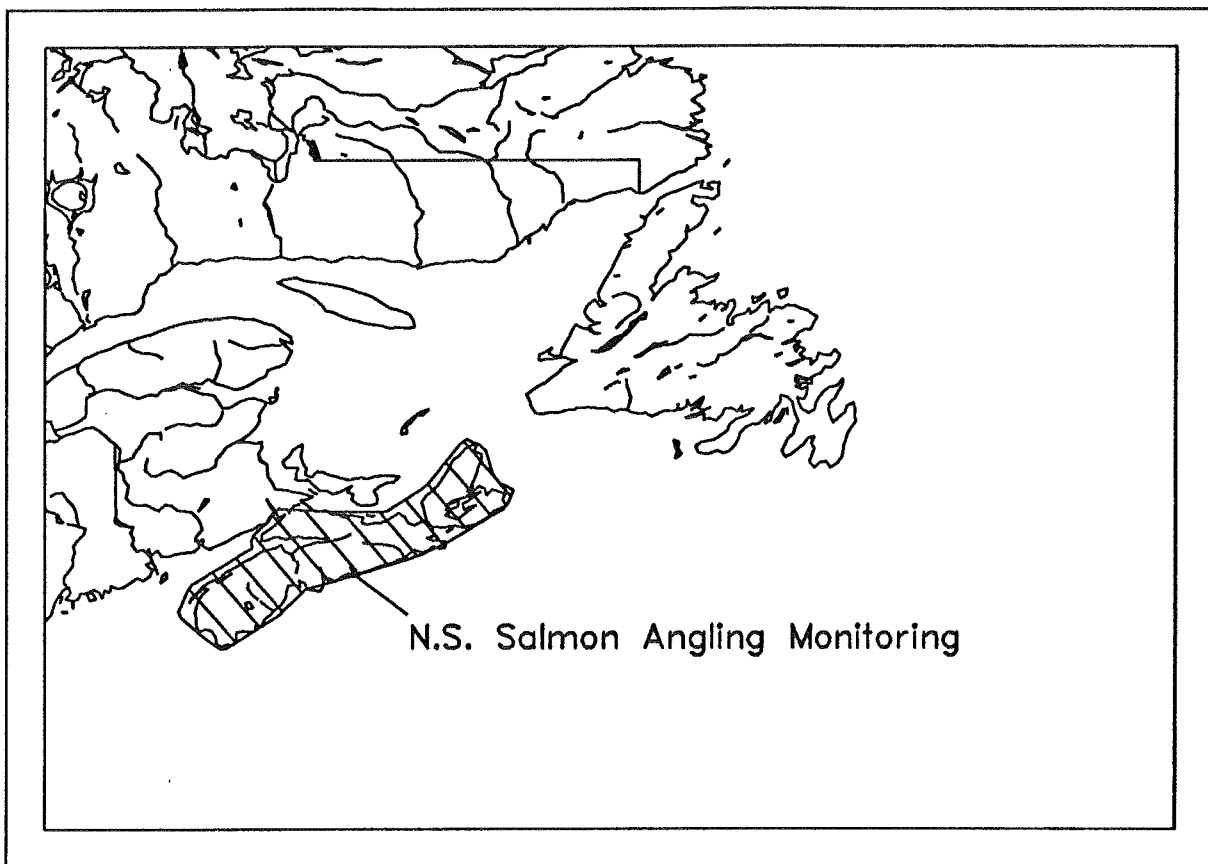
16. Map:



17. Signature: Verified
Date: April 28, 1992

1. **Data Base Title:** Salmon Angling Monitoring Nova Scotia
2. **Contact Person:**
Shane O'Neil, Biologist
Fresh Water and Anadromous Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, Nova Scotia B3J 2S7
Tel (902) 426-157 Fax (902) 426-3479
3. **Purpose:**
Fish harvesting
4. **Access/Fees/Restrictions:**
Some summary required to eliminate ties to individual anglers. Data is made available upon review of requests at our end. No cost. Negotiations regarding time frames, etc.
5. **Geographical Coverage/Scale:**
Nova Scotia
6. **Geographic Referencing:**
None
7. **Period of Record/Update Frequency:**
On-going compilation. 1983 to present/Annual
8. **Format:**
Floppy Disk - IBM Compatible PC in 360 Kilobytes or 1.2 Megabytes, 3.5" or 5.25",
Hardcopy
9. **Data Types/Parameters Measured:**
For Each Angler - License No., date data received.
Date and river of harvest for each Atlantic Salmon killed.
Total release of grilse and large salmon by river for the season.
Total effort in rod-days by river for the season
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Research and monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: IBM Compatible PC/AT
Operating System: MS-DOS; In-house software
15. **Comments:**

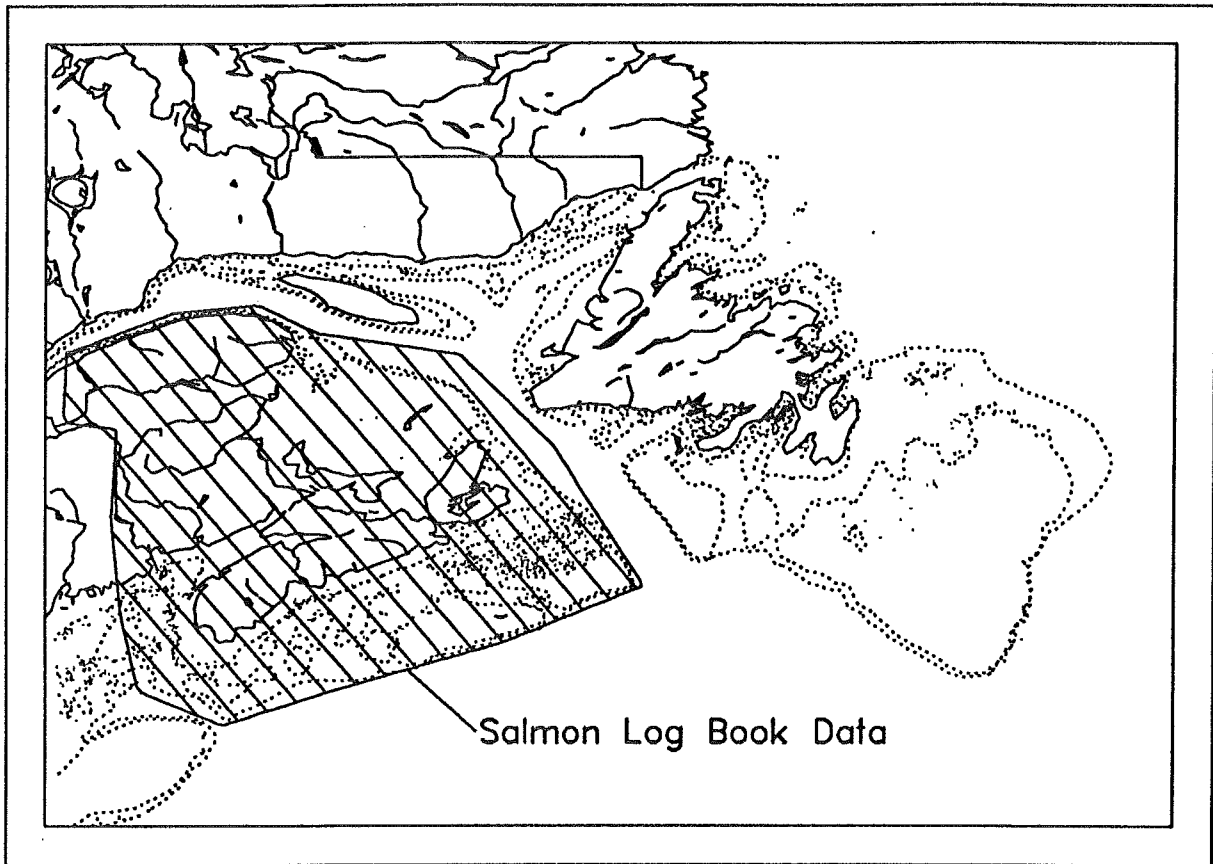
16. Map:



17. Signature: Verified
Date: May 21, 1992

1. **Data Base Title:** Salmon Log Book Data
2. **Contact Person:**
Shane O'Neil, Biologist
Fresh Water and Anadromous Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, Nova Scotia B3J 2S7
Tel (902) 426-157 Fax (902) 426-3479
3. **Purpose:**
Fish Harvesting
4. **Access/Fees/Restrictions:**
Personal information which cannot be circulated outside the Dept. of Fisheries and Oceans in non-summarized form. Summarized data would include data elements, but summed for each Dept. of Fisheries and Oceans statistical report. No cost
5. **Geographical Coverage/Scale:**
Maritime Provinces prior to 1982, Scotia-Fundy Region 1982-1984
6. **Geographic Referencing:**
None at present
7. **Period of Record/Update Frequency:**
Data set complete 1979-1984, fishery closed
8. **Format:**
None. Note: Current data set is not available for sharing because of the confidentiality of the data. With some modification it may be available
9. **Data Types/Parameters Measured:**
Fisherman's name, week of fishing activity dates, gear type used, no. of gear units fished, catch by day in weight (kg) for Atlantic Salmon in each of the three sea age categories, e.g., 1 sea winter, 2 sea winter, 3 or more sea winters, effort by day in hours fished
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Operating System: HP9845 (being converted to IBM Compatible PC). In-house software
15. **Comments:**

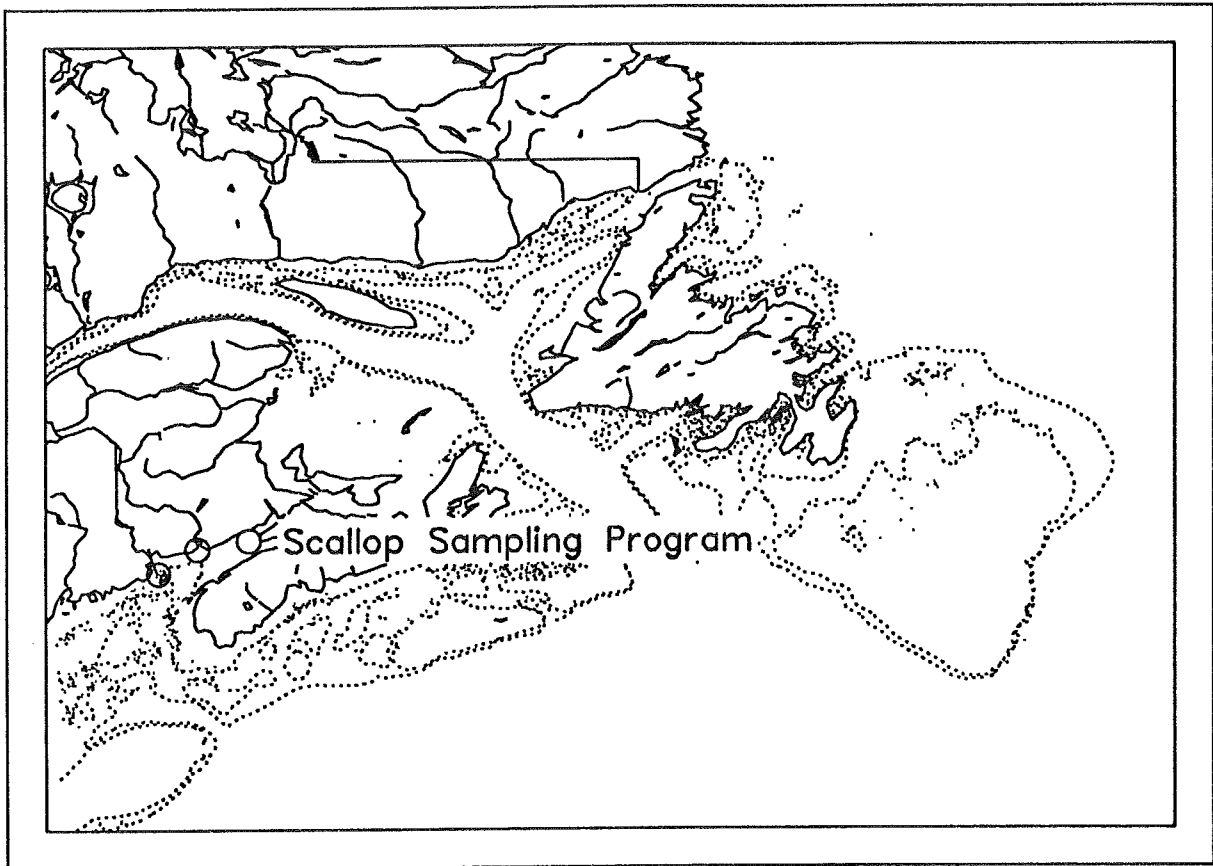
16. Map:



17. Signature: Verified
Date: May 21, 1992

1. **Data Base Title:** Scallop Sampling Program
2. **Contact Person:**
Shawn Robinson, Molluscan Research Scientist
Aquaculture & Invertebrate Fisheries Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 210
St. Andrews, New Brunswick E0G 2X0
Tel (506) 529-885 Fax (506) 529-4274
3. **Purpose:**
Fish harvesting, population structures (age and size) and assessment
4. **Access/Fees/Restrictions:**
Through contact person/Cost of Materials/on unverified data. Must have approval of Director of Biological Sciences Branch
5. **Geographical Coverage/Scale:**
Grand Manan, Passamaquoddy/Point data: accuracy +/-200m
6. **Geographic Referencing:**
Latitude and Longitude, Loran C
7. **Period of Record/Update Frequency:**
Grand Manan - 1984 to present.
Passamaquoddy - 1989 to present
8. **Format:**
Tape - Standard VAX
Floppy Disk - 3.5" 1.44 Mbytes
9. **Data Types/Parameters Measured:**
Day, month, year, latitude, longitude, size (shell height) weight
10. **Sampling Procedures:**
On site surveys, stratified sampling
11. **Program Type:**
Monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: VAX 6210
Operating System: VMS
In-house software
15. **Comments:**

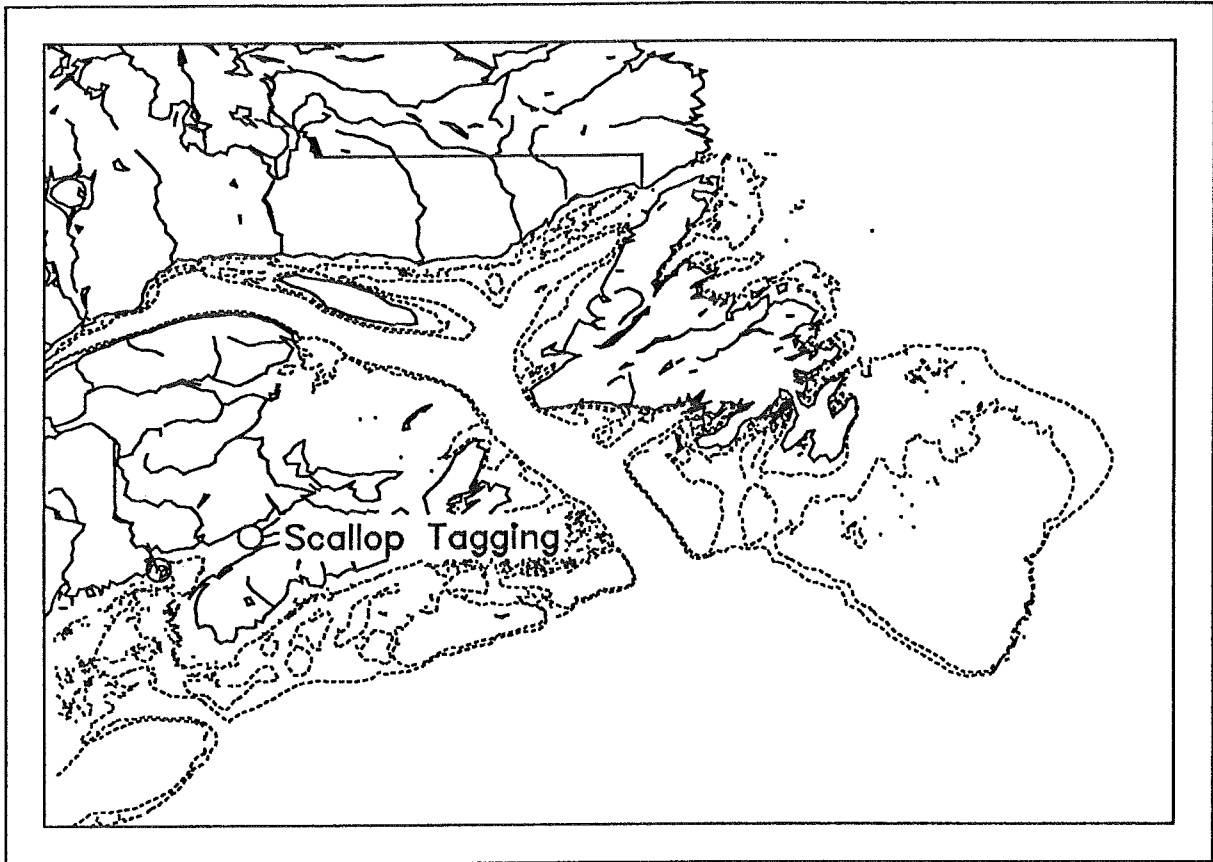
16. Map:



17. Signature: Verified
Date: May 15, 1992

1. **Data Base Title:** Scallop Tagging/Recovery Program
2. **Contact Person:**
Shawn Robinson, Molluscan Research Scientist
Aquaculture & Invertebrate Fisheries Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 210
St. Andrews, New Brunswick E0G 2X0
Tel (506) 529-885 Fax (506) 529-4274
3. **Purpose:**
Studies of scallop movement and growth
4. **Access/Fees/Restrictions:**
Through contact person/none/on verified data
5. **Geographical Coverage/Scale:**
Passamaquoddy Bay, Grand Manan
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1984-1986
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Bivalves, size, data and area
10. **Sampling Procedures:**
Multiple site selection
11. **Program Type:**
Monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Vax 6210
15. **Comments:**

16. Map:

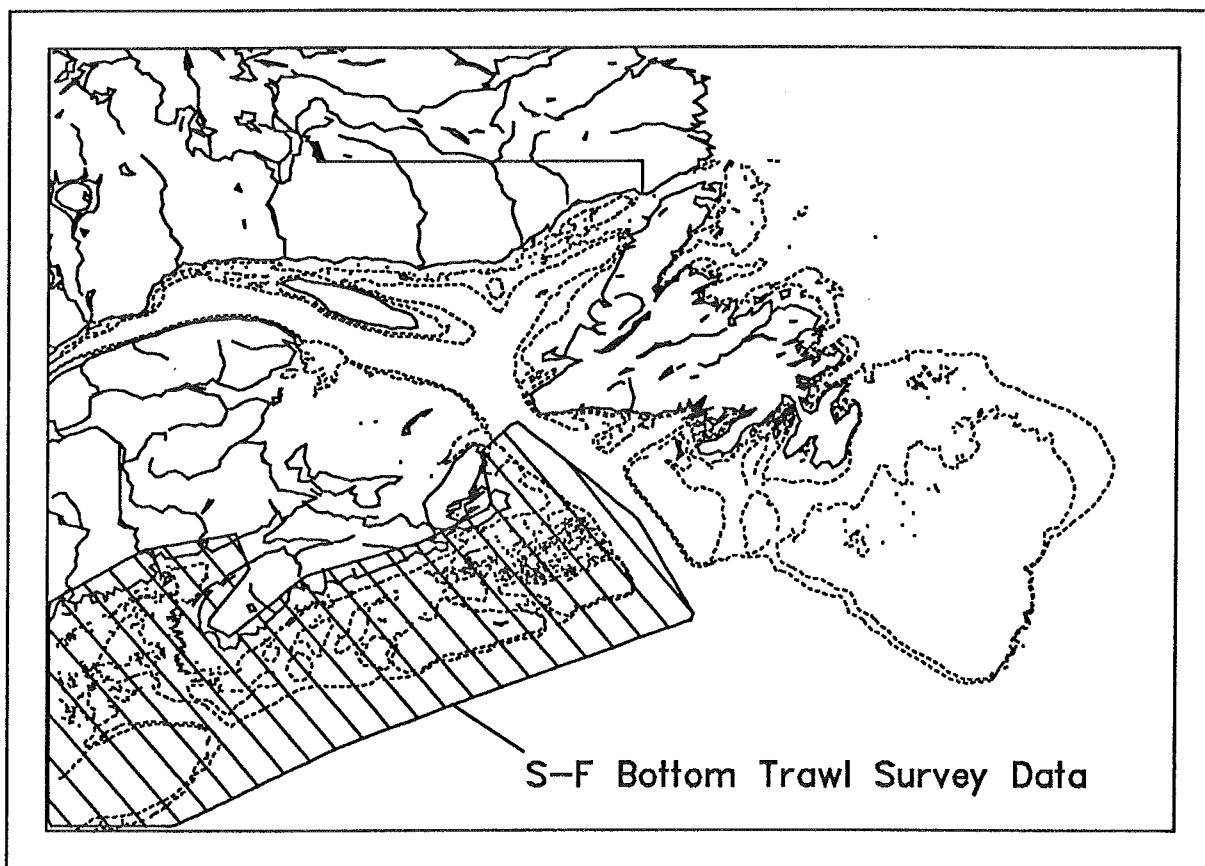


17. Signature: Verified
Date: May 15, 1992

1. **Data Base Title:** Scotia-Fundy Bottom Trawl Survey Data
2. **Contact Person:**
Stratis Gavaris, Biologist
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 210
St. Andrews, New Brunswick E0G 2X0
Tel (506) 529-885 Fax (506) 529-4274
3. **Purpose:**
To collect information on fish distribution and abundance for stock assessment. Fish harvesting and ecosystem monitoring
4. **Access/Fees/Restrictions:**
All requests have to be approved by Science Director in consultation with line management. No formal pricing policy exists. Costs are negotiated on a case by case basis
5. **Geographical Coverage/Scale:**
Bay of Fundy, Georges Bank, Gulf of Maine and Scotian Shelf
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1958 to present/ several times a year
8. **Format:**
Digital on:
Tape - 9 track, 1600BPI, 6250BPI
On-line access - DEC VT100, DEC VT220, Kermit, VAX/VMS Pathworks
Hardcopy
In-house software
Commercial software: ORACLE V6
9. **Data Types/Parameters Measured:**
Location and size of catch, bottom and surface temperatures, number of fish caught, weight caught, length, weight, sex, species, age of individual fish, fish Parasites, stomach contents
10. **Sampling Procedures:**
Bottom trawl surveys
11. **Program Type:**
Research and monitoring
12. **Size/Growth:**
100 Megabytes; 5 Megabytes/year
13. **Environmental Legislation:**
Fisheries Act
14. **Computer System:**
Host computer: DEC VAX
Operating System: VAX/VMS
Commercial Software: Oracle, RDBMS

15. **Comments:**
Although used for stock assessments, can be used to determine fish abundance at offshore developments. Not well suited for localized estimation but adequate for global estimates of large blocks

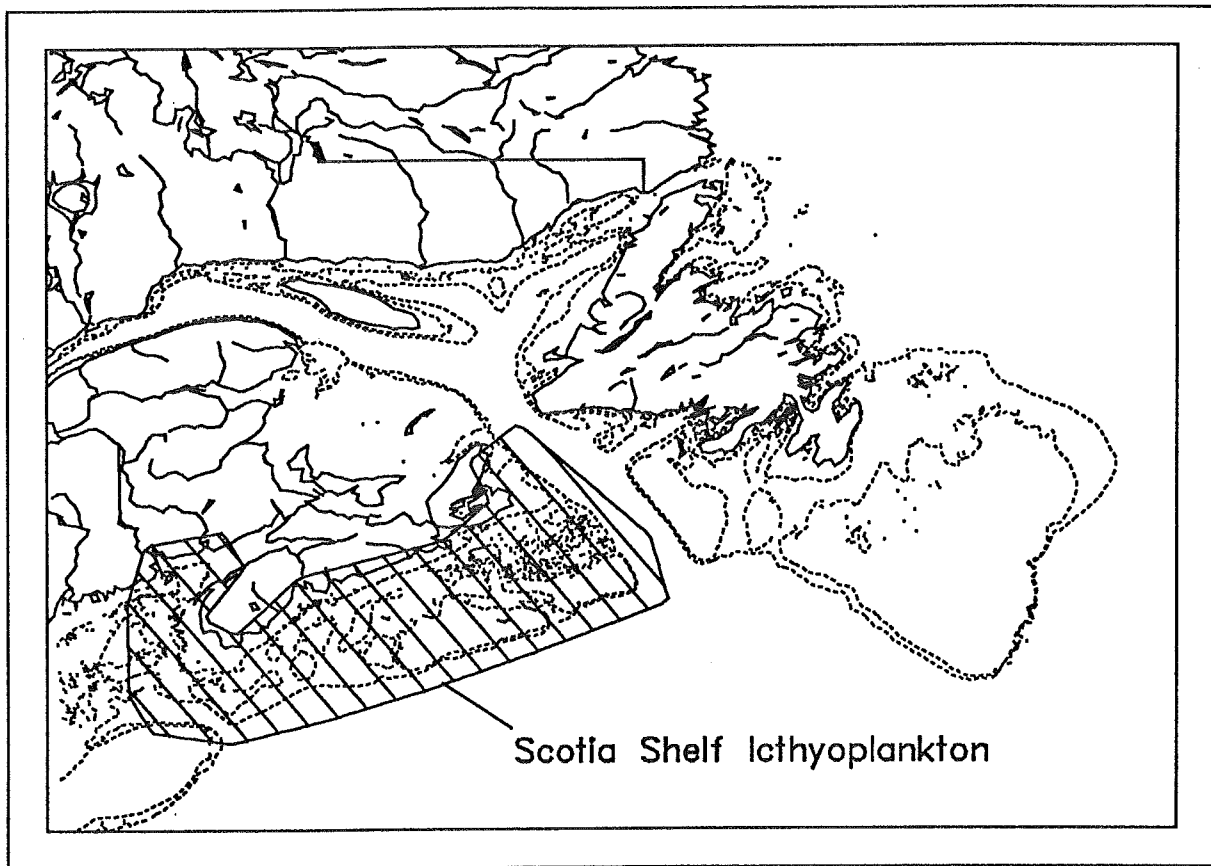
16. **Map:**



17. **Signature:** Verified
Date: May 19, 1992

1. **Data Base Title:** Scotian Shelf Ichthyoplankton Program
2. **Contact Person:**
R.N. O'Boyle, Division Chief, Marine Fish Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, N.S. B2Y 4A2
Tel (902) 426-489 Fax (902) 426-1506
3. **Purpose:**
 - 1) To discriminate the seasonal and geographical distributions of eggs and larvae of fish stocks on the Scotian Shelf.
 - 2) To estimate fish larval growth and mortality rates and how these change with developmental stage, season and area.
 - 3) To collect a wide spectrum of both physical and biological oceanographic parameters upon which to construct predictive stock-recruitment models
4. **Access/Fees/Restrictions:**
All requests to be approved by Science Director in consultation with line management. No formal pricing policy exists. Costs are negotiated on a case by case basis
5. **Geographical Coverage/Scale:**
Scotian Shelf
6. **Geographic Referencing:**
Latitude and longitude (degrees, minutes, seconds) and sampling grid identifier
7. **Period of Record/Update Frequency:**
1976-82. Data set completed
8. **Format:**
Sequential files, multiple card types. Tape - 9 track, 1600 BPI, 6250 BPI. Floppy disk - 5.25" high density, 3.5" high density for PC. On-line access- TELNET, FTP, DEC VT100, Kermit, Xmodem. Hardcopy
9. **Data Types/Parameters Measured:**
Species identification and enumeration of ichthyoplankton collected from several tow types using a variety of plankton nets. Qualitative estimates of major zooplankton taxa usually available. Hydrographic data usually collected and chlorophyll and water chemistry samples collected in specific cases. Detailed information available on request
10. **Sampling Procedures:**
Detailed information available on request
11. **Program Type:**
Research
12. **Size/Growth:**
Approximately 15000 ichthyoplankton tows, from approximately 4500 stations covered on 37 research cruises over 7 year period. Data set static
13. **Environmental Legislation:**
N/A

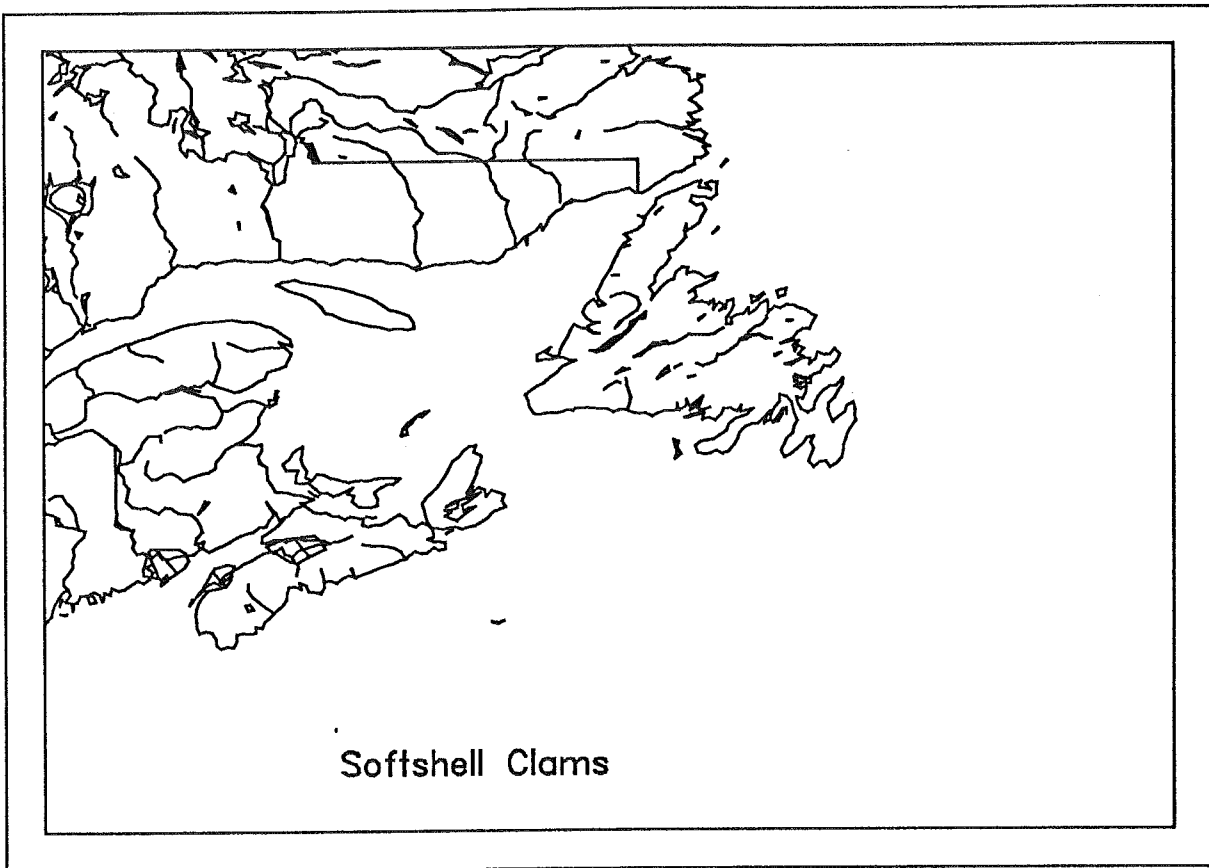
- 14. **Computer System:**
Host computer: CDC Cyber, Operating System: NOS/VE
- 15. **Comments:**
SSIP-Related Publication list available in digital format
- 16. **Map:**



- 17. **Signature:** Verified
- Date:** June 16, 1992

1. **Data Base Title:** Softshell Clams
2. **Contact Person:**
Shawn Robinson, Molluscan Research Scientist
Aquaculture & Invertebrate Fisheries Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 210
St. Andrews, New Brunswick E0G 2X0
Tel (506) 529-885 Fax (506) 529-4274
3. **Purpose:**
Biological research and fish harvesting
4. **Access/Fees/Restrictions:**
Through contact person/Cost of Materials/on unverified data. Must have approval of Director of Biological Sciences Branch
5. **Geographical Coverage/Scale:**
Passamaquoddy Bay, Minas Basin, Annapolis Basin
6. **Geographic Referencing:**
Latitude and longitude
7. **Period of Record/Update Frequency:**
1988 to present
8. **Format:**
Floppy Disk - 3.5" 1.44 Megabytes
Point data:accuracy +/- 200 m
9. **Data Types/Parameters Measured:**
Day, month, year, latitude, longitude, size, catch, effort
10. **Sampling Procedures:**
On site surveys
11. **Program Type:**
Monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: VAX 6210, IBM Compatible PC, Macintosh
Operating System: VMS, DOS, Macintosh
In-house software
15. **Comments:**

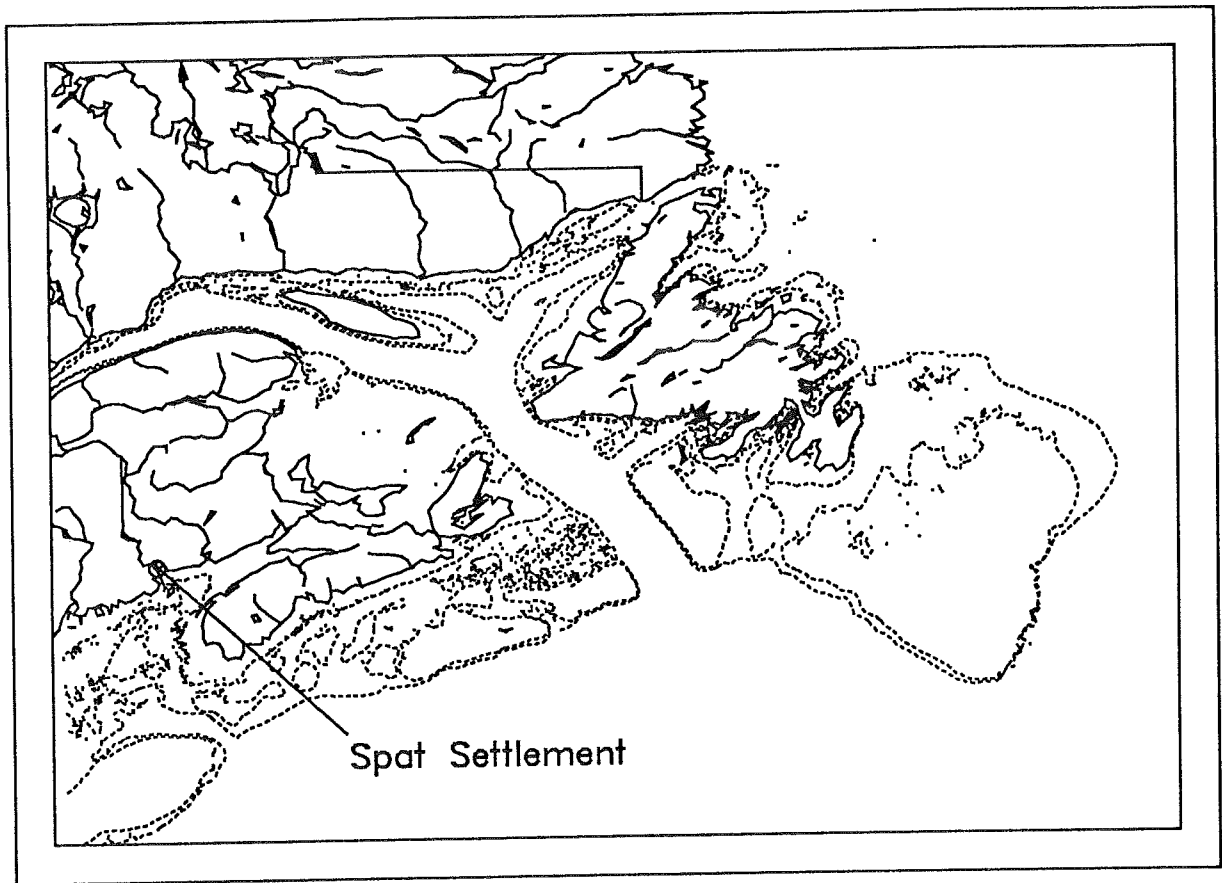
16. **Map:**



17. **Signature:** Verified
Date: May 15, 1992

1. **Data Base Title:** Spat Settlement
2. **Contact Person:**
Shawn Robinson, Molluscan Research Scientist
Aquaculture & Invertebrate Fisheries Division
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 210
St. Andrews, New Brunswick E0G 2X0
Tel (506) 529-885 Fax (506) 529-4274
3. **Purpose:**
Study of early life history of scallops
4. **Access/Fees/Restrictions:**
Through contact person/none/on unverified data.
5. **Geographical Coverage/Scale:**
Passamaquoddy Bay
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
1989 to present
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
N/A
10. **Sampling Procedures:**
On site surveys
11. **Program Type:**
Monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: VAX 6210
Operating System: VMS
15. **Comments:**

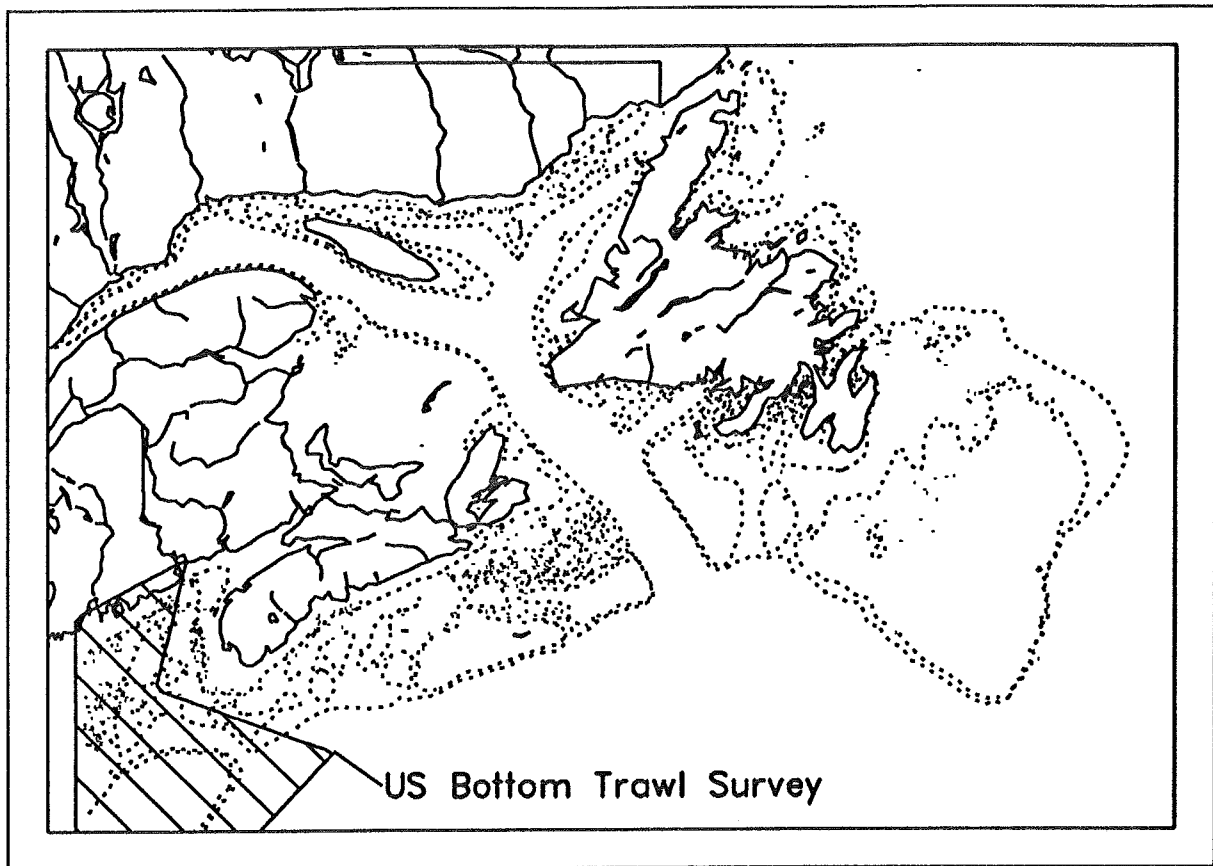
16. Map:



17. Signature: Verified
Date: May 15, 1992

1. **Data Base Title:** United States Bottom Trawl Survey Data
2. **Contact Person:**
Stratis Gavaris, Biologist
Biological Sciences Branch
Department of Fisheries and Oceans
P.O. Box 210
St. Andrews, New Brunswick E0G 2X0
Tel (506) 529-885 Fax (506) 529-4274
3. **Purpose:**
Fish harvesting and ecosystem monitoring
4. **Access/Fees/Restrictions:**
All requests have to be approved by Science Director and National Marine Fisheries Service (USA) in consultation with line management. No formal pricing policy exists. Costs are negotiated on a case by case basis
5. **Geographical Coverage/Scale:**
N/A
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
1963 to present / ongoing compilation
8. **Format:**
Tape - 9 track, 1600BPI, 6250BPI; On-line access - DEC VT100, Dec VT220, Kermit, VAX/VMS Pathworks; Hardcopy
9. **Data Types/Parameters Measured:**
Fisheries Science, Hydrography, Oceanography - Biological, Oceanography - Physical
10. **Sampling Procedures:**
Bottom trawl surveys
11. **Program Type:**
Research and monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: DEC VAX; Operating System: VAX/VMS; Commercial software: ORACLE RDBMS
15. **Comments:**
This data is collected, owned, managed and provided to DFO by NOAA

16. Map:

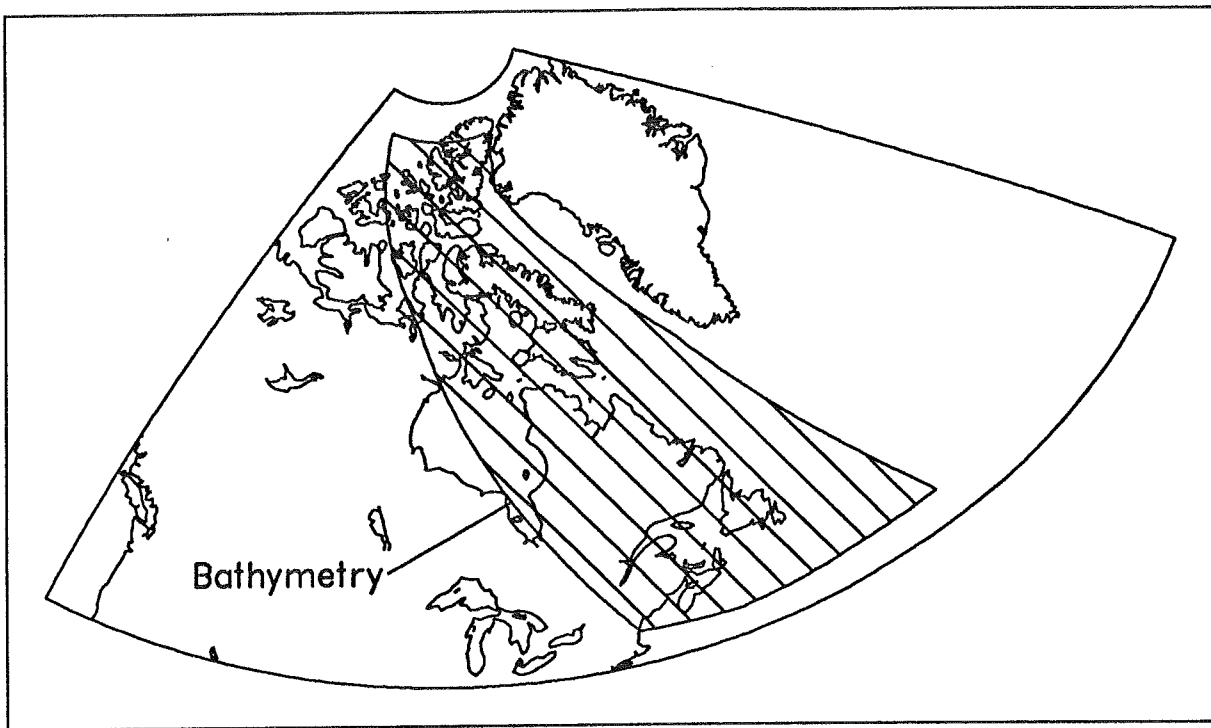


17. Signature: Verified
Date: May 19, 1992

Canadian Hydrographic Service

1. **Data Base Title:** Bathymetry and Supporting Field Data
2. **Contact Person:**
Steve Grant, Manager
Data Management and Planning
Canadian Hydrographic Service
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4E2
Tel (902) 426-2411 Fax (902) 426-1893
3. **Purpose:**
Chart production, nautical publications production
4. **Access/Fees/Restrictions:**
All data distributed are unpublished source data therefore unverified and uncompiled. Therefore we do not allow reproduction in original or altered form without prior written authorization. Data can not be used for navigation for the same reason. Use of CHS data must be acknowledged in any subsequent use. Hardcopy:
- Field sheets \$15/ paper, \$45/ plastic.
Digital Data:
- On a cost recovery basis
5. **Geographical Coverage/Scale:**
Atlantic Canada, Eastern and Northern Arctic/ scale varies. Point data: accuracy
6. **Geographic Referencing:**
Latitude and Longitude, UTM and others
7. **Period of Record/Update Frequency:**
On-going compilation
8. **Format:**
Tape - NTX, soundings, source/type (SWEEP, HIPPI, VMS). Hardcopy
9. **Data Types/Parameters Measured:**
Hydrography, Available on request
10. **Sampling Procedures:**
Bathymetric profiles, acoustic sweep surveys for local areas
11. **Program Type:**
Mapping
12. **Size/Growth:**
Gigabytes per year
13. **Environmental Legislation:**
Canadian Shipping Act
14. **Computer System:**
Commercial software: ORACLE, D-BASE IV
Commercial software: CARIS
In-house software: HIPPI
Host computer: CYBER/ VAX/ IBM Compatible PC/ MACINTOSH
Operating System: NOSVE/ VMS/ DOS/ MAC SYSTEM

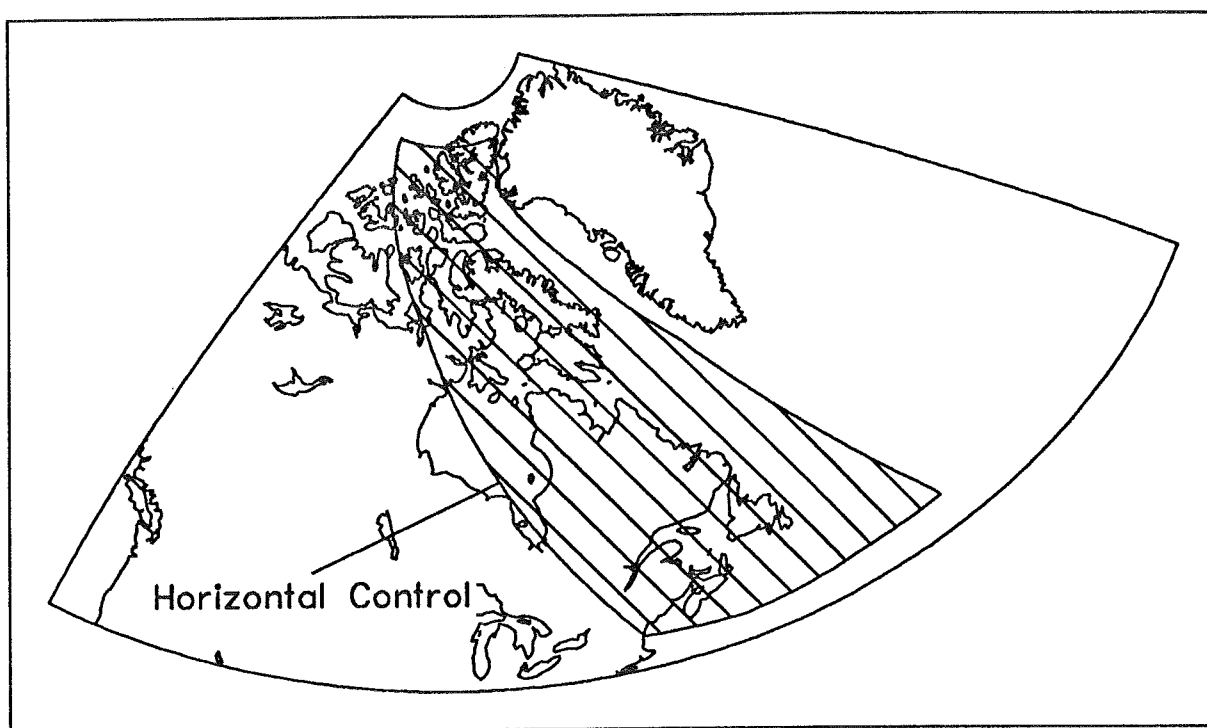
15. **Comments:**
All requests for digital data must be approved by the Directory General of Canadian Hydrographic Service, Ottawa
16. **Map:**



17. **Signature:** Verified
- Date:** May 25, 1992

1. **Data Base Title:** Canadian Hydrographic Service Horizontal Control Data Base (CHSHC)
2. **Contact Person:**
George Yeaton
Chief - Nautical Geodesy and Tides
Canadian Hydrographic Service
Department of Fisheries and Oceans
615 Booth Street
Ottawa, Ontario K1A 0E6
Tel (613) 995-4346 Fax (613) 996-9053
3. **Purpose:**
Horizontal control
4. **Access/Fees/Restrictions:**
- CHS control is kept as a sub-set of the National Geodetic Data base.
- Negotiations are under way with the province to share data and responsibilities.
No pricing policy in place yet.
5. **Geographical Coverage/Scale:**
Canada Wide/Point data: accuracy. 01" ARC
6. **Geographic Referencing:**
NAD27, NAD83
7. **Period of Record/Update Frequency:**
On-going compilation. - dynamic as control is added and/or re-adjusted/monthly
8. **Format:**
On -line access - Requires an account on Computer OTTDBS & Data Set - Modem or Data
Pac VT Terminal
9. **Data Types/Parameters Measured:**
Available on request
10. **Sampling Procedures:**
On site surveys
11. **Program Type:**
Mapping
12. **Size/Growth:**
≈20,000 stations/ 1%
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: Vax 4000
Operating System: VMS
15. **Comments:**

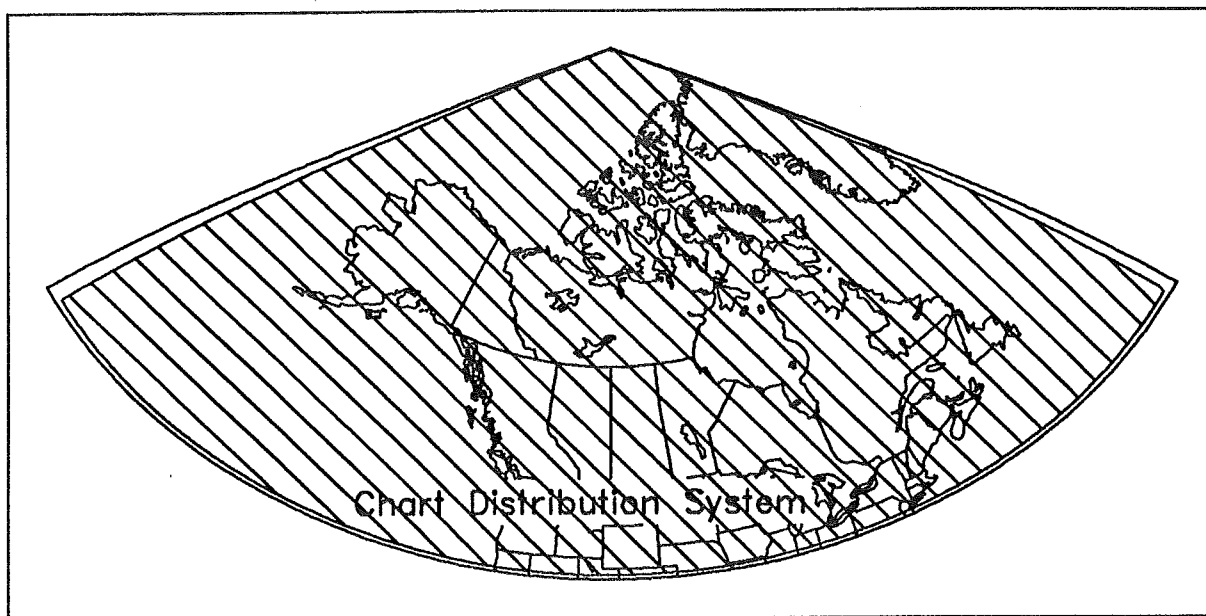
16. Map:



17. Signature: Verified
Date: May 6, 1992

1. **Data Base Title:** Chart Distribution System
2. **Contact Person:**
Don H. Vachon, A/Chief
Cartographic Development
Canadian Hydrographic Service
Department of Fisheries and Oceans
615 Booth Street
Ottawa, Ontario K1A 0E6
Tel (613) 995-4524 Fax (613) 996-9053
3. **Purpose:**
Stock and sales information pertaining to all CHS products: charts, bathymetric maps, sailing directions, tide tables, etc. Manages international dealership network & consignment accounts with Supply and Services
4. **Access/Fees/Restrictions:**
At present internal to CHS./At present no charge for hardcopy catalogues. Pricing for charts are set annually. Publications set by Supply and Services Canada from time to time
5. **Geographical Coverage/Scale:**
Canada wide - including Great Lakes, Arctic and Navigable Rivers
6. **Geographic Referencing:**
Charts
7. **Period of Record/Update Frequency:**
Current printing all in stock
8. **Format:**
Tape - 9 track, format: textual - ASCII
Hardcopy - charts/map catalogues, publications (books)
9. **Data Types/Parameters Measured:**
Available on request
10. **Sampling Procedures:**
Reacts to chart/sailing directions/tide table productions
11. **Program Type:**
Mapping and related publications
12. **Size/Growth:**
Fairly stable
13. **Environmental Legislation:**
14. **Computer System:**
Host computer: VAX
Operating System: VMS
Commercial database software: ORACLE
15. **Comments:**
Plan to provide summary inventory information in DCMS

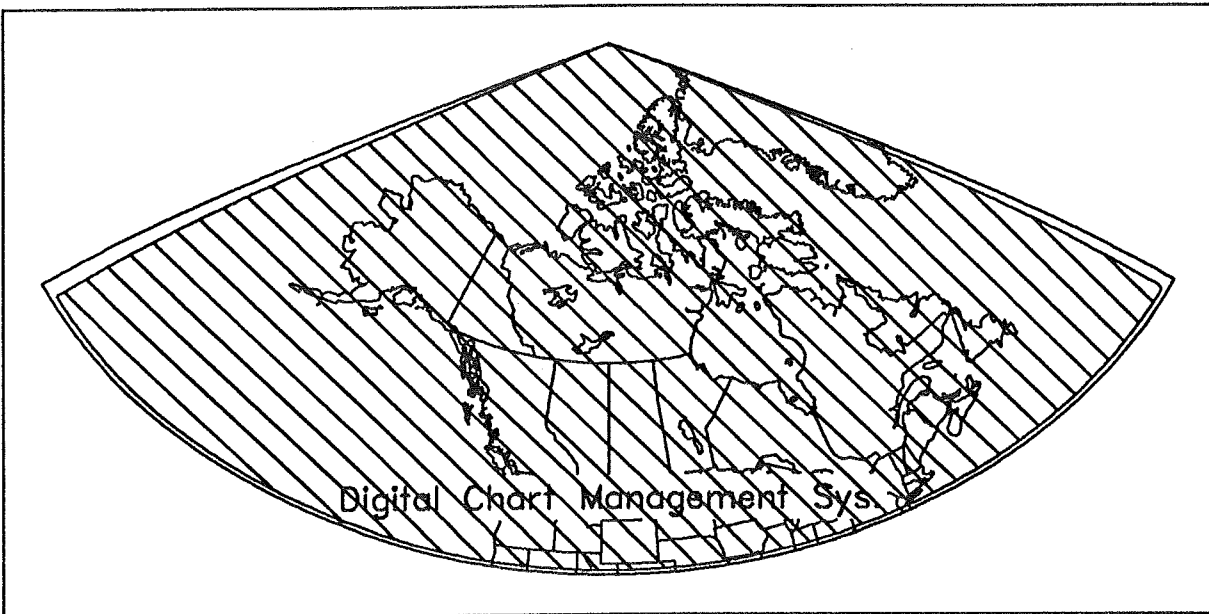
16. Map:



17. Signature: Verified
Date: August 9, 1992

1. **Data Base Title:** Digital Chart Management System
2. **Contact Person:**
Don H. Vachon, A/Chief
Cartographic Development
Canadian Hydrographic Service
Department of Fisheries and Oceans
615 Booth Street
Ottawa, Ontario K1A 0E6
Tel (613) 995-4524 Fax (613) 996-9053
3. **Purpose:**
Charting, maintenance of chart / map files, and production control. This database contains several levels of information - an index to and log of product data sets (Charts, Bathymetric Maps, etc.) whether available in digital form or not. Summary production status and inventory level information is also managed by the DCMS database manager. In addition, mechanisms for updating the digital chart files and recording all changes in an audit trail are inherent in the system as is the entry point to undersea feature names
4. **Access/Fees/Restrictions:**
Charts are copyrighted. Access/permission to use chart data and the cost recovered is determined on a case by case basis through bilateral licensing agreements. Charts are also required under the Charts and Publications Regulation of the Canada Shipping Act. The data sets are categorized as sensitive; therefore at the very least use of these chart sets must carry a credit to CHS and a warning that copies of this data does not meet the requirements of the Canada Shipping Act. CHS is considering means of licensing use of these data. Paper charts are priced annually - a list is available. Standard charts are \$12 each. A pricing policy for digital charts is being developed. A pricing policy for the index information on products has not yet been considered. We have plans to link the Digital Chart Management System (DCMS) and Source Directory System (SDS) into a Master Index to all source and products of the CHS. This is seen as the entry level to a future CHS information network for internal and external users
5. **Geographical Coverage/Scale:**
Canada wide - including Great Lakes, Arctic and Navigable Rivers
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
N/A.
8. **Format:**
Tape - 9 track, NTX format
9. **Data Types/Parameters Measured:**
Hardcopy - charts/maps also available (Ad Hoc searches for index/production status information is supported). Map data: original scale 1:1 000 to 1:3,000,000
10. **Sampling Procedures:**
Available on request
11. **Program Type:**
N/A

12. **Size/Growth:**
Mapping - Monitoring Production - Providing summary information about data and data sets
13. **Environmental Legislation:**
Information on 110 charts required to complete index - loading chart data will be slow - 25 per year
14. **Computer System:**
Host computer: VAX
Operating System: VMS
Commercial database software: ORACLE
Commercial software: CARIS
15. **Comments:**
A prototype of parts of this database is ready to demonstrate in the fall of 1992 - work is progressing on components for production monitoring and user interfaces
16. **Map:**

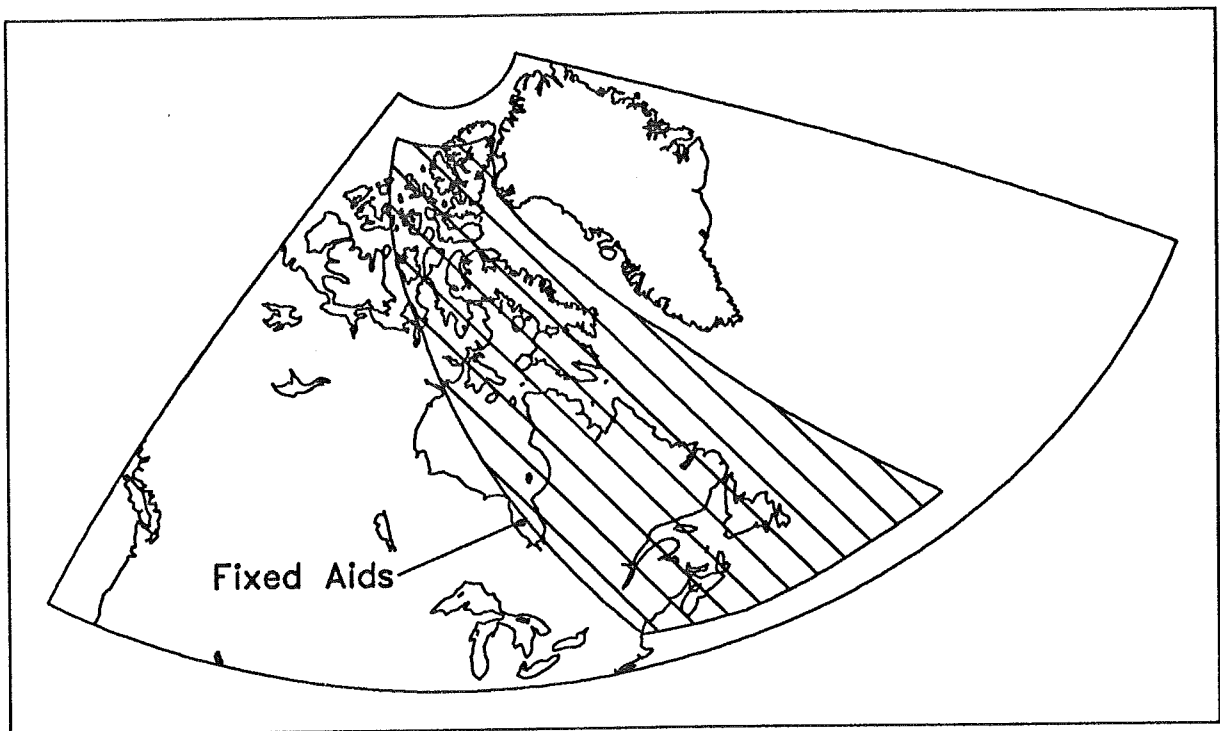


17. **Signature:** Verified
- Date:** August 9, 1992

1. **Data Base Title:** Fixed Aids (Lites File)
2. **Contact Person:**
George Yeaton
Chief - Nautical Geodesy and Tides
Canadian Hydrographic Service
Department of Fisheries and Oceans
615 Booth Street
Ottawa, Ontario K1A 0E6
Tel (613) 995-4346 Fax (613) 996-9053
3. **Purpose:**
Horizontal position and characteristics of "Fixed Navigational Aids"
4. **Access/Fees/Restrictions:**
Data Sharing:
 - Coast Guard (CCG) is responsible for the aids, the structure, characteristics etc.
 - CHS is responsible for the Positioning.
 - * Often we share data-tasks with CCG.No pricing policy in place yet
5. **Geographical Coverage/Scale:**
Canada wide/Point data: accuracy .01" ARC
6. **Geographic Referencing:**
NAD27, NAD83
7. **Period of Record/Update Frequency:**
On-going compilation. - Data set is dynamic - changes as fixed aids are altered, resurveyed etc. as control networks are adjusted/ Weekly updates
8. **Format:**
On -line access - Requires an account on Computer OTTDBS & Data Set - Modem or Data Pac VT Terminal
9. **Data Types/Parameters Measured:**
Available on request
10. **Sampling Procedures:**
Surveys
11. **Program Type:**
Mapping
12. **Size/Growth:**
≈4200 lights/ 1%
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: Vax 4000
Operating System: VMS
In-house software - Flat File

15. **Comments:**

16. **Map:**

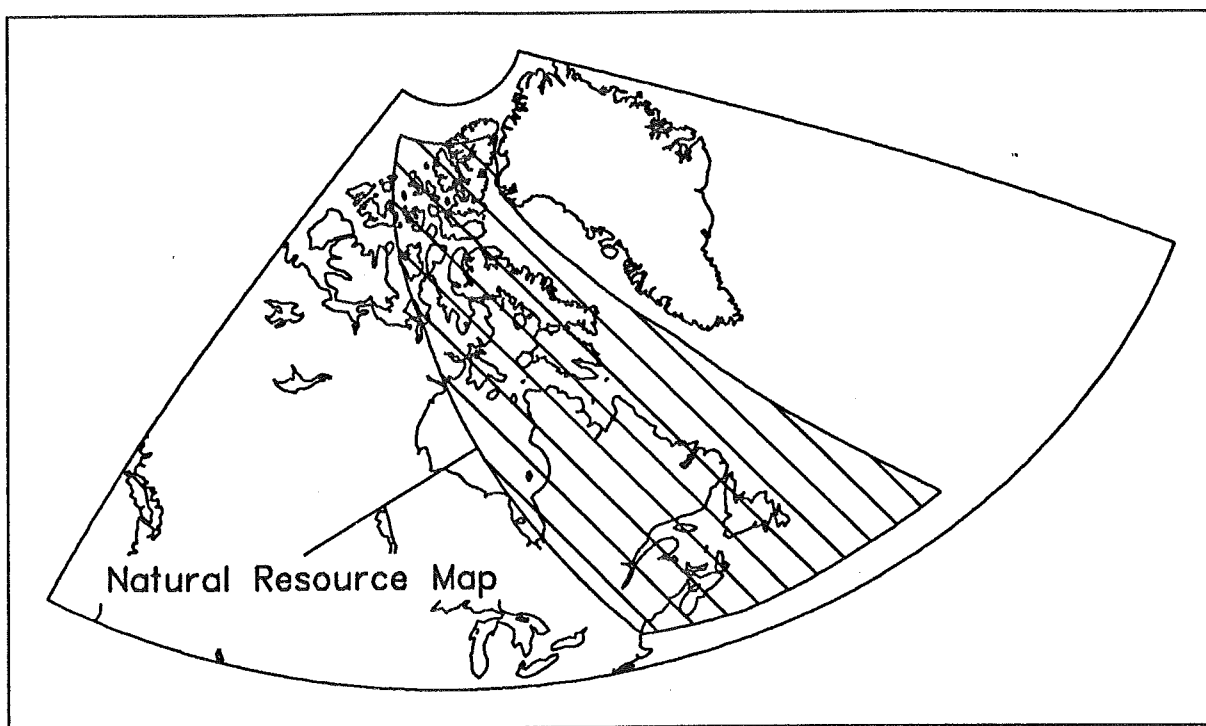


17. **Signature:** Verified

Date: May 6, 1992

1. **Data Base Title:** Natural Resource Map Data Base (NRMDB)
2. **Contact Person:**
Paul Holroyd
Chief - Ocean Mapping
Canadian Hydrographic Service
Department of Fisheries and Oceans
615 Booth Street
Ottawa, Ontario K1A OE6
Tel: (613) 995-4651 Fax: (613) 996-9053
3. **Purpose:**
Hydrography, dense/detailed bathymetric contours, subsea morphology, fishing, environmental issues, seafloor studies, military. Bathymetric maps for all of Canada's marine territory, using same format and map specifications as Energy Mines and Resources, National Topographic Series (NTS) maps. Base maps for science and industry. Base maps for thematic data
4. **Access/Fees/Restrictions:**
Use of the data is restricted. All CHS data is copyrighted. Credit required for CHS when approval granted to use CHS data. Release on per request basis depending on intended use of the data
5. **Geographical Coverage/Scale:**
West Coast: 46 maps for, 1:250,000, 2° by 1° coverage (tiles). East Coast: 63 maps. 90% complete
6. **Geographic Referencing:**
Data bases on CARIS files so can support Cartesian, Latitude and longitude, Northings & Eastings system
7. **Period of Record/Update Frequency:**
Not yet established
8. **Format:**
Tape - NTX on 9 track or TK50/70 cartridge tape, VMS back-up or VMS copy, hardcopy/
original scale 1:250 000
9. **Data Types/Parameters Measured:**
Hydrography, bathymetric contours, topographic contours, shoreline, drainage, geographic names
10. **Sampling Procedures:**
Hydrographic field surveys, nautical charts, geoscience maps, U.S. data. Widely spaced profiles of depth vs. time, which are interpreted (correlated) between profiles
11. **Program Type:**
Mapping, cartographic research and bathymetric research
12. **Size/Growth:**
100+ maps, Currently 140 Megabytes for the Grand Banks & West Coast. Growth expected to be approximately 20 maps/year
13. **Environmental Legislation:**
N/A

14. **Computer System:**
Host computer: VAX, DECSTATION
Operating system: VMS, ULTRIX
Commercial software: CARIS
15. **Comments:**
Data can be formatted in SIF, DLG, Autocad DXF and NTX
16. **Map:**



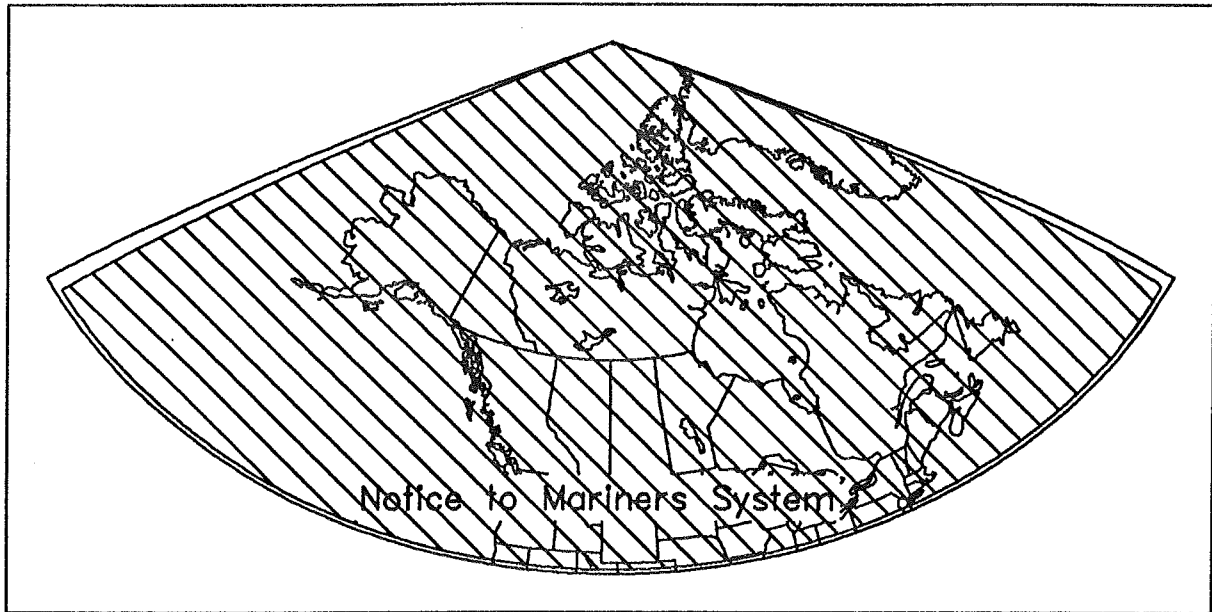
17. **Signature:** Verified
- Date:** May 13, 1992

1. **Data Base Title:** Notice-To-Mariners System (NTM)
2. **Contact Person:**
Don H. Vachon, A/Chief
Cartographic Development
Canadian Hydrographic Service
Department of Fisheries and Oceans
615 Booth Street
Ottawa, Ontario K1A 0E6
Tel (613) 995-4524 Fax (613) 996-9053
3. **Purpose:**
The data base contains information on changes to the data / information shown on nautical charts and in related publications that is deemed critical to safe marine navigation. The NTM system generates the draft notices that are published weekly by the Coast Guard and also reports on the lists of notices affecting certain charts or geographical areas and Stop Orders for Distribution Control. Future: Possible to supply on-demand notices affecting particular charts (and/or Electronic Charts) and also future link to Coast Guard
4. **Access/Fees/Restrictions:**
At present internal to CHS./At present no charge for hardcopy Notice-To-Mariners. Pricing for charts are set annually
5. **Geographical Coverage/Scale:**
Canada wide - including Great Lakes, Arctic and Navigable Rivers. Map data: Chart Patches at Chart Scale are referenced but not in system in digital form
6. **Geographic Referencing:**
Latitude and longitude
7. **Period of Record/Update Frequency:**
On-going compilation. Lists of notices affecting charts - 1984 to 1991; detailed drafts since Jan 1,1991
8. **Format:**
Tape - 9 track, format: textual - ASCII, Hardcopy - Notice-To-Mariners (weekly) Future: Telecom
9. **Data Types/Parameters Measured:**
Available on request
10. **Sampling Procedures:**
Drafts are sent in by Regions as they react to learning of changes that affect safe marine navigation
11. **Program Type:**
Mapping
12. **Size/Growth:**
+ 1200 per year nationally
13. **Environmental Legislation:**
N/A. Canada Shipping Act

14. **Computer System:**
Host computer: VAX
Operating System: VMS
Commercial database software: ORACLE

15. **Comments:**

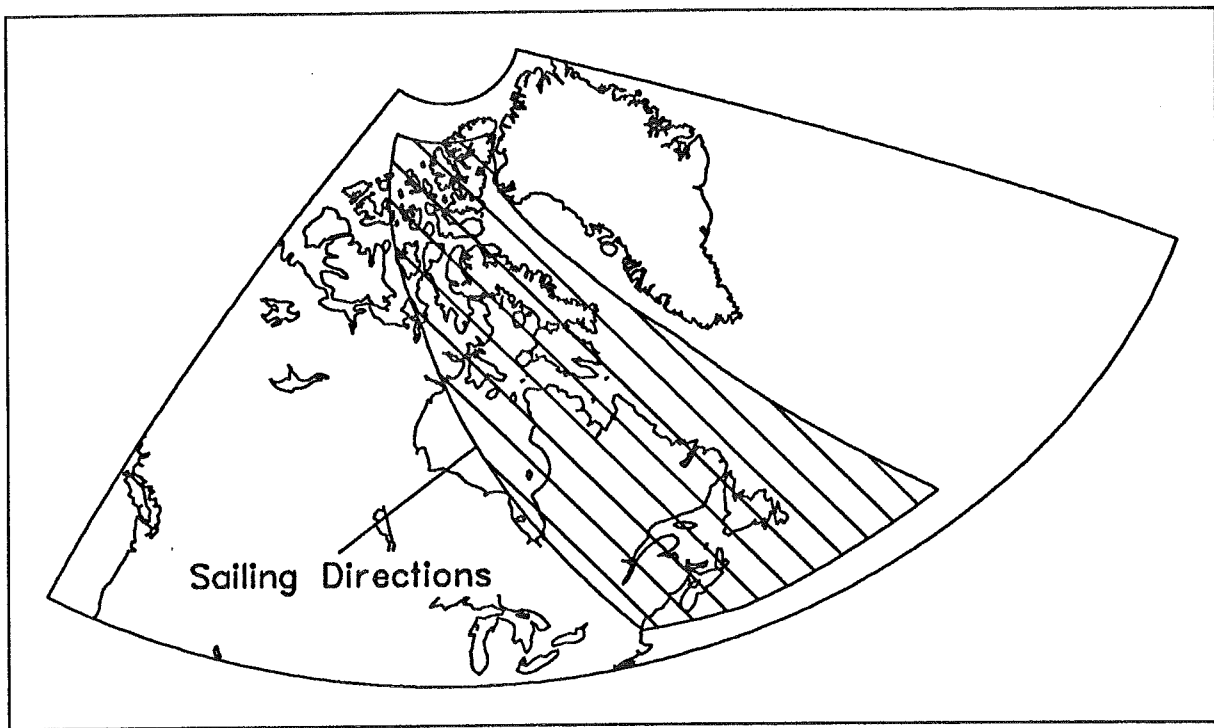
16. **Map:**



17. **Signature:** Verified
Date: August 9, 1992

1. **Data Base Title:** Sailing Directions
2. **Contact Person:**
Sandy Weston
Manager, Nautical Publications
Canadian Hydrographic Service
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4E2
Tel (902) 426-7286 Fax (902) 426-1893
3. **Purpose:**
Sailing Directions and Small Craft Guides are published to meet the requirements of Charts and Publications Regulations, Canada Shipping Act. Sailing Directions supplement information on charts. They contain detailed information needed for safe navigation, such as berth, anchorage, pilotage, local knowledge, tides and currents, weather, etc. The information is updated weekly by notices to the Mariners
4. **Access/Fees/Restrictions:**
No Policy/Books are published and are available for sale to the public through authorized Canadian Hydrographic Service Chart Dealers
5. **Geographical Coverage/Scale:**
Newfoundland, Labrador, Nova Scotia, Bay of Fundy, Eastern Arctic and the Gulf of St. Lawrence
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
On-going compilation
8. **Format:**
In-house software
9. **Data Types/Parameters Measured:**
Available on Request
10. **Sampling Procedures:**
N/A
11. **Program Type:**
N/A
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Floppy Disk - 3.5" MacIntosh and hardcopy
15. **Comments:**

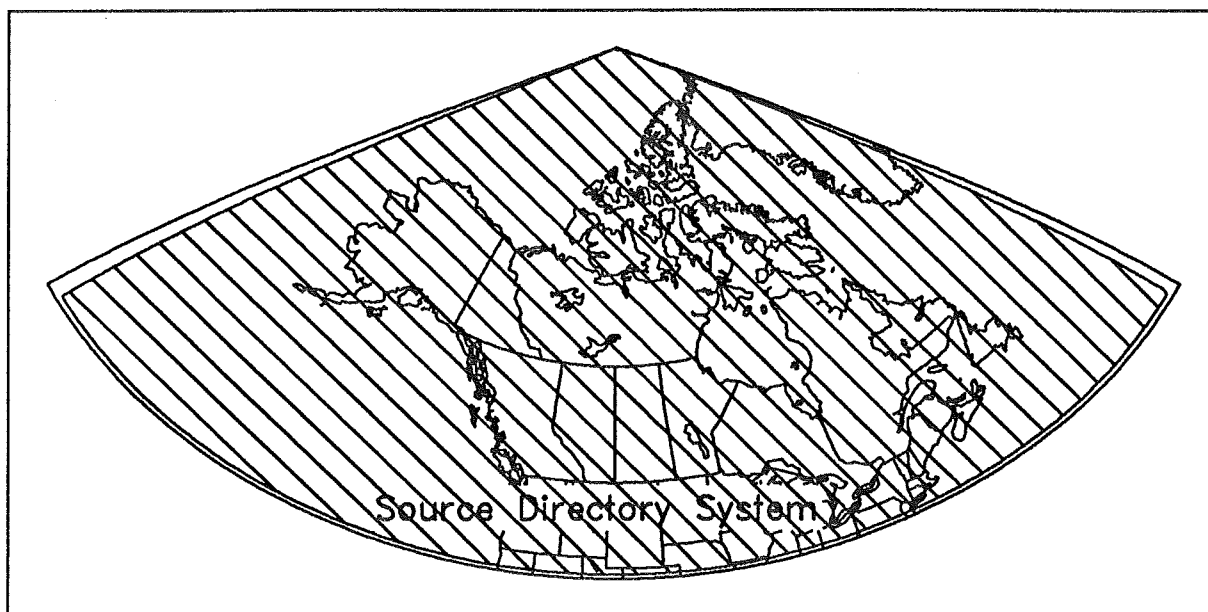
16. Map:



17. Signature: Verified
Date: May 26, 1992

1. **Data Base Title:** Source Directory System
2. **Contact Person:**
Richard MacDougall, Chief
Data Management
Canadian Hydrographic Services
Department of Fisheries and Oceans
615 Booth Street
Ottawa, Ontario K1A 0E6
Tel (613) 995-4554 Fax (613) 996-9053
3. **Purpose:**
Charting of Canadian Waters - This database is an index to all source data in the Canadian Hydrographic Service - Document (hardcopy and digital) contents are described - geographically referenced and categorized. The use of these sources in products is cross referenced
4. **Access/Fees/Restrictions:**
Not available as yet. This index information has not been considered in pricing policies to date
5. **Geographical Coverage/Scale:**
Eastern Arctic, Manitoba, Ontario, Atlantic are loaded. Pacific is now being loaded and Quebec to be done later. Scale varies from 1:100 to 1:10,000,000
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
On-going compilation. - complete for Central Region & Atlantic Provinces, Quebec & Pacific Region are still manual
8. **Format:**
At present this database is not available to outside users - internal connection is through DECNET & DATAPAC. Any digital source documents are in CARIS - this database is an index to these and hardcopy documents. Map data: varies from 1:100 to 1:10,000,000. Point data: index to 1"arc
9. **Data Types/Parameters Measured:**
Data dictionary available - Major tables are:
 - Catalogue Record
 - Contents
 - Geophysics
 - Application / Use
10. **Sampling Procedures:**
Reacts to new survey data arriving and Navigable Waters Protection Act and other plans
11. **Program Type:**
Mapping
12. **Size/Growth:**
+5000 per year
13. **Environmental Legislation:**
Navigable Waters Protection Act

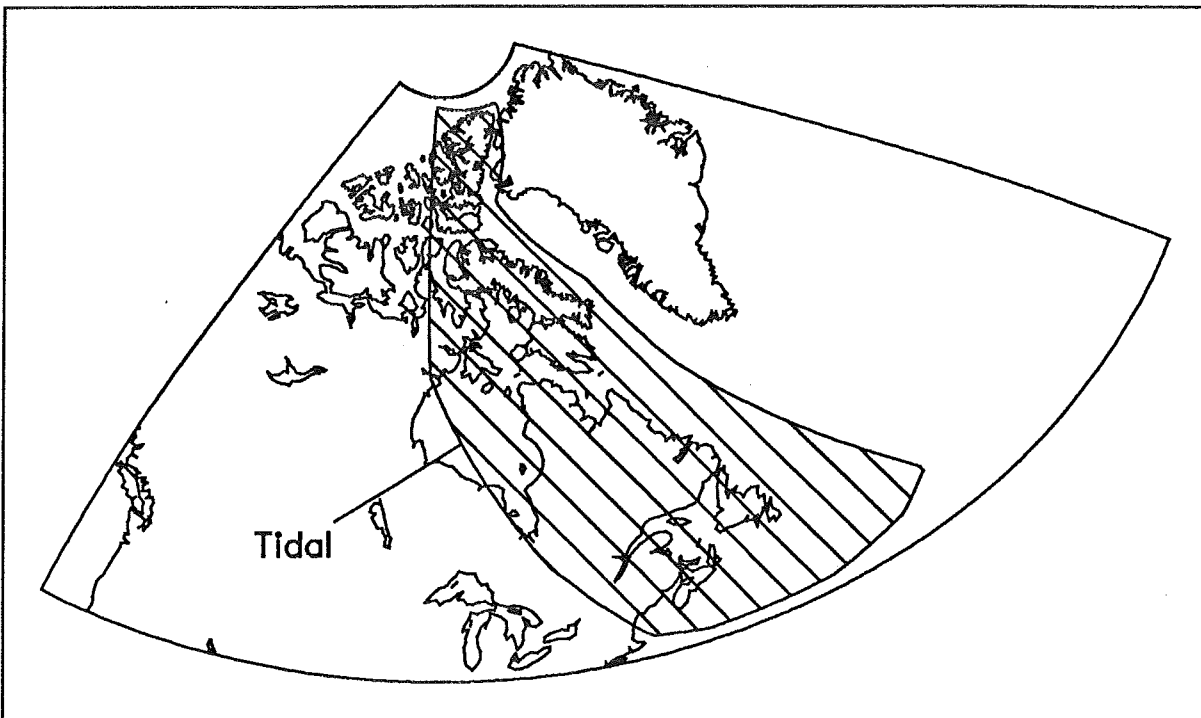
- 14. **Computer System:**
Commercial software: ORACLE
Any digital source documents are in CARIS
Host computer: VAX
Operating System: VMS
- 15. **Comments:**
Plan to link to Notices to Mariners and Digital Chart Management System
- 16. **Map:**



- 17. **Signature:** Verified
- Date:** August 9, 1992

1. **Data Base Title:** Tidal
2. **Contact Person:**
Charlie O'Reilly, Manager
Tides, Currents & Water Levels
Canadian Hydrographic Service
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4E2
Tel (902) 426-3846 Fax (902) 426-1893
3. **Purpose:**
 - Permanent Water Level Network
 - Navigation
 - Hydrographic Surveying
 - Academic Research (Tidal Studies, Long Term Water Level Monitoring)
 - Coastal Engineering - Harbour Management, Dredging, etc
4. **Access/Fees/Restrictions:**
Data is public domain. Pricing policy is in place but may soon be revised
5. **Geographical Coverage/Scale:**
Scotia-Fundy, Gulf, Newfoundland and eastern arctic/no scale
6. **Geographic Referencing:**
Latitude and longitude
7. **Period of Record/Update Frequency:**
On-going compilation
8. **Format:**
Digital, hardcopy, maps, plans and reports. (Maps and plans from 1:1000 to 1:1,000,000)
9. **Data Types/Parameters Measured:**
Permanent Water Level Network
 - on-going hourly and 15 minute water levels, statistics, histograms.Tidal Constituents
Temporary water level records
 - data varies from a few days to one year in length.Hydrography. Available on request
10. **Sampling Procedures:**
On site surveys
11. **Program Type:**
Surveys
12. **Size/Growth:**
1100 tidal stations; 20-90 updated per year; 46 new stations last year, usually 5 to 10 new stations per year
13. **Environmental Legislation:**
BNA Act; all relevant Charting Acts

14. **Computer System:**
Host computer: IBM Compatible PC, Sun(SPARC II), MacIntosh SE
Operating System: MS-DOS, UNIX SYS 5 Rel. 3.2.2
15. **Comments:**
Most paper records except historic archival will be digital this year, 1992
16. **Map:**

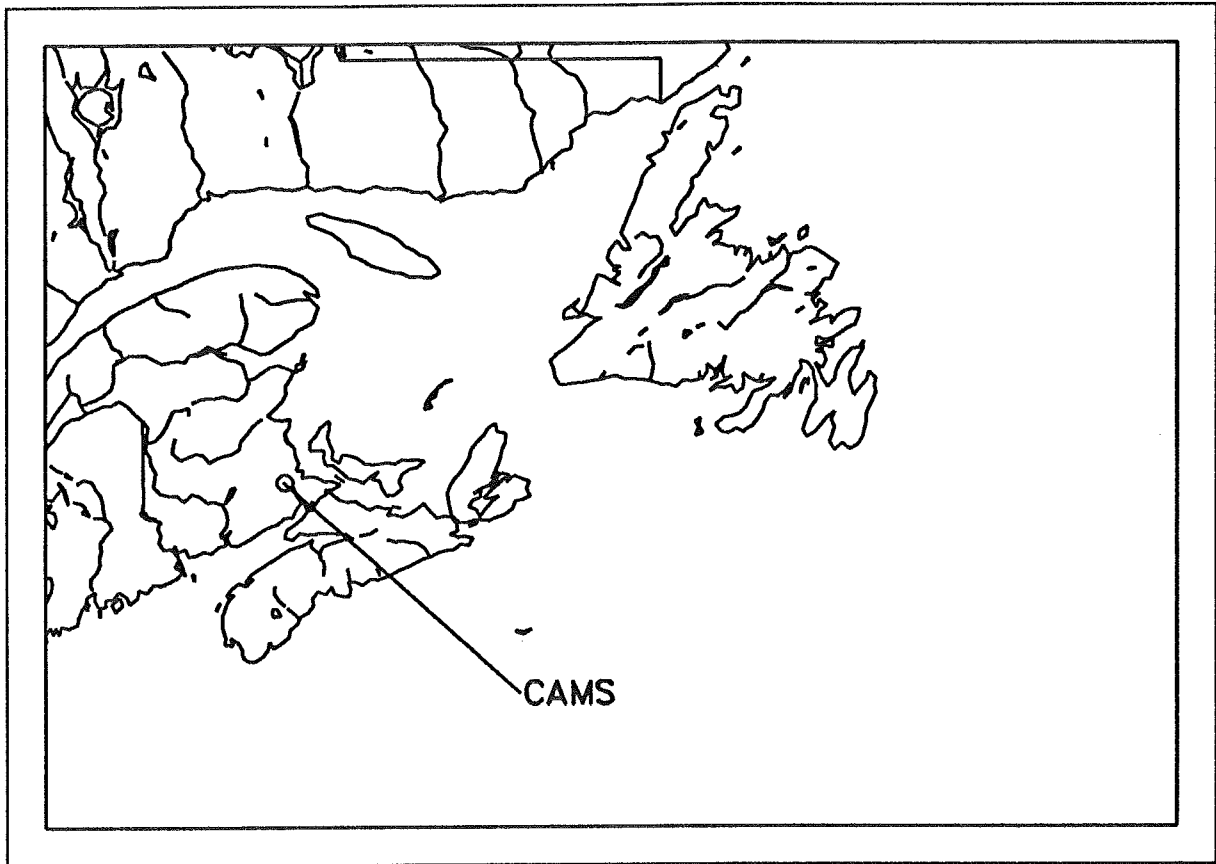


17. **Signature:** Verified
- Date:** June 10, 1992

Facilities Management/Management Services Branch Gulf Region

1. Data Base Title: Data Base Title: CAMS - Capital Assets Management System
2. **Contact Person:**
Gisele Richard, A/Chief
Facilities Management Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-775 Fax (506) 851-7732
3. **Purpose:**
Capital assets management (Buildings)
4. **Access/Fees/Restrictions:**
N/A
5. **Geographical Coverage/Scale:**
Gulf Region H.Q
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
1990 to present/daily update
8. **Format:**
Digital, hardcopy, reports, photos and plans
9. **Data Types/Parameters Measured:**
Building size, location and users
10. **Sampling Procedures:**
Surveys
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approx. 5000 records and growth is negligible
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC
DBMS
15. **Comments:**
Part of National system on Ottawa mainframe with updates weekly from the Region

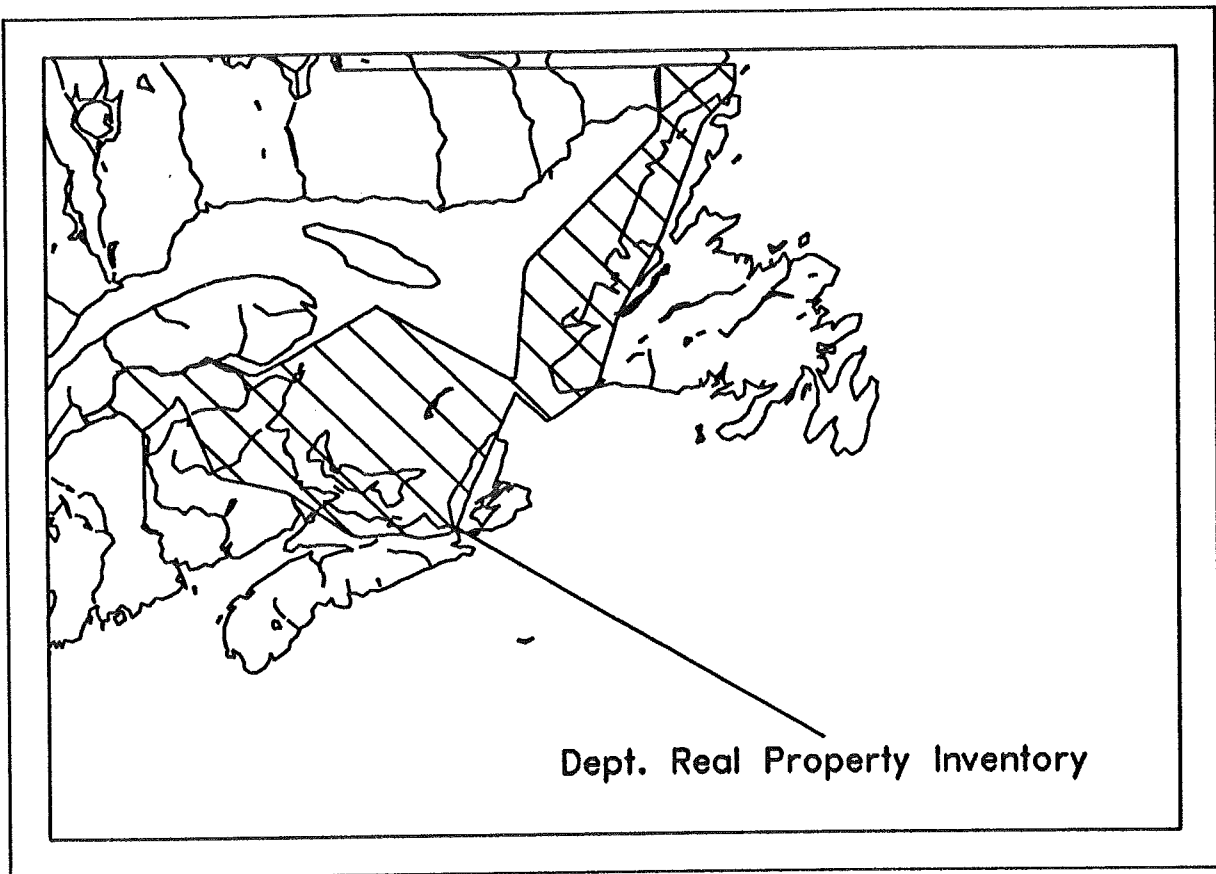
16. Map:



17. Signature: Verified
Date: May 26, 1992

1. **Data Base Title:** DRPI - Departmental Real Property Inventory
2. **Contact Person:**
Gisele Richard, A/Chief
Facilities Management Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-775 Fax (506) 851-7732
3. **Purpose:**
Government properties (leased or owned) record
4. **Access/Fees/Restrictions:**
Undetermined
5. **Geographical Coverage/Scale:**
Gulf Region
6. **Geographic Referencing:**
None
7. **Period of Record/Update Frequency:**
1990 to present/daily updates or as required
8. **Format:**
Digital, hardcopy, photos and plans
9. **Data Types/Parameters Measured:**
Information on all leased and owned properties
10. **Sampling Procedures:**
On site surveys
11. **Program Type:**
Monitoring and management
12. **Size/Growth:**
About 900 records
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC with DBMS and on the mainframe in Ottawa
15. **Comments:**
Part of the National System centred in Ottawa

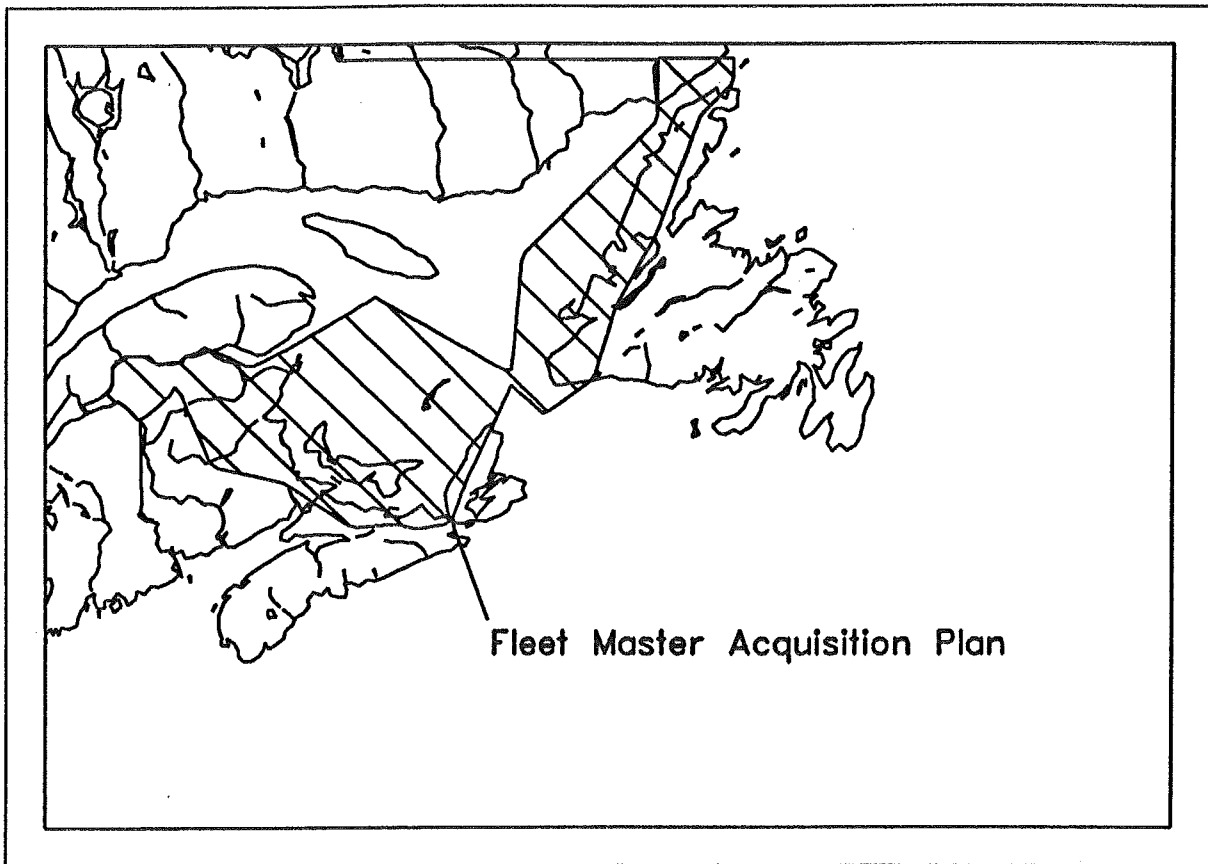
16. Map:



17. Signature: Verified
Date: May 26, 1992

1. **Data Base Title:** FMAPS - Fleet Master Acquisition Plan System
2. **Contact Person:**
Paul Robichaud, Chief
Marine Division
Management Services Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-385 Fax (506) 851-7732
3. **Purpose:**
(Part of CAMS) - control of Departmental fleet and use
4. **Access/Fees/Restrictions:**
Undetermined
5. **Geographical Coverage/Scale:**
Gulf Region
6. **Geographic Referencing:**
None
7. **Period of Record/Update Frequency:**
To be implemented later this year - period of record to be determined (i.e back dating)
8. **Format:**
Hardcopy and reports. To be put in digital this year
9. **Data Types/Parameters Measured:**
Vessel type, use, location, maintenance, days operational and crew size
10. **Sampling Procedures:**
On site surveys
11. **Program Type:**
Monitoring and research
12. **Size/Growth:**
Not yet established
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC
15. **Comments:**

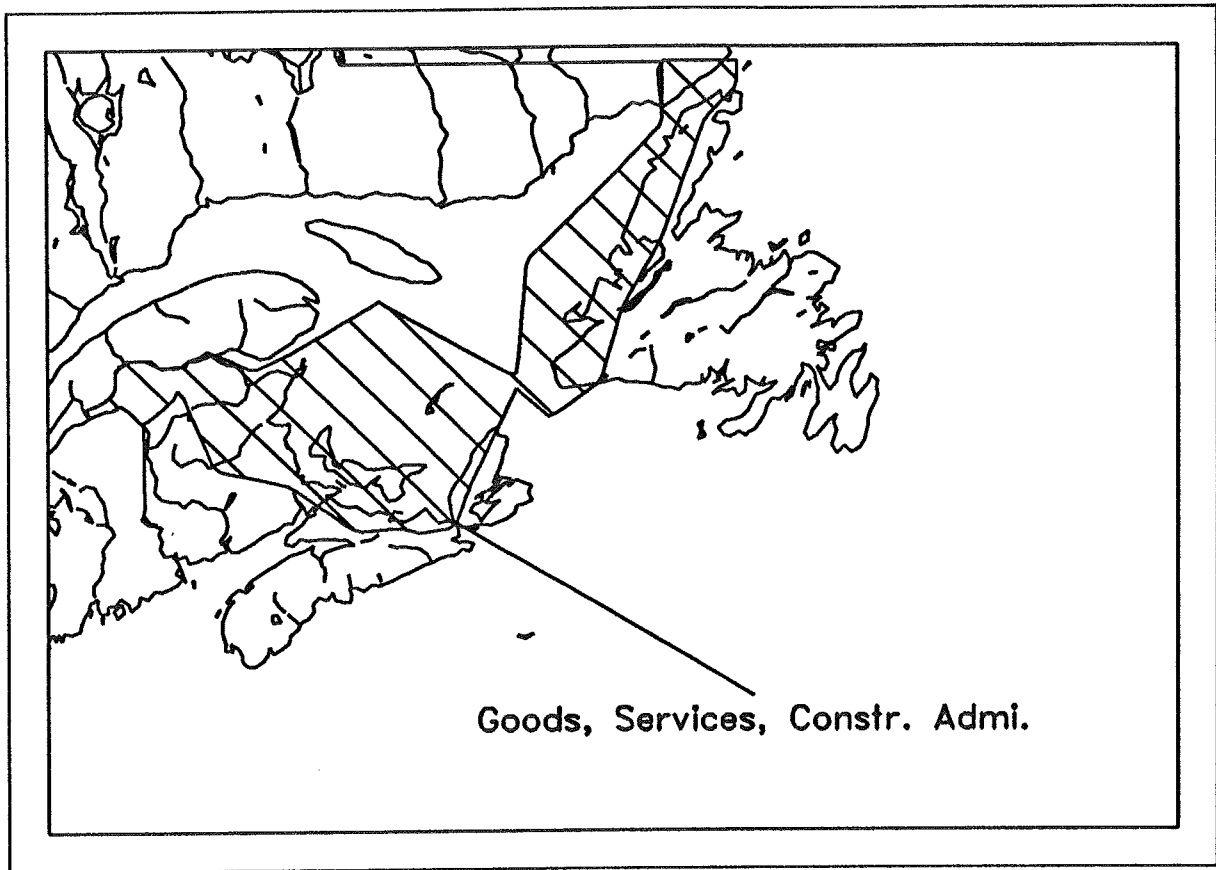
16. Map:



17. Signature: Verified
Date: June 3, 1992

1. **Data Base Title:** GSCAS - Goods, Service and Construction Administration System
2. **Contact Person:**
Irène Leblanc
Facilities Management Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-778 Fax (506) 851-7732
3. **Purpose:**
Purchasing control
4. **Access/Fees/Restrictions:**
Undetermined
5. **Geographical Coverage/Scale:**
Gulf Region
6. **Geographic Referencing:**
None
7. **Period of Record/Update Frequency:**
1991 to present
8. **Format:**
Digital, hardcopy and reports
9. **Data Types/Parameters Measured:**
P.O. number, requisitioner, cost, description, goods/services and cost coding
10. **Sampling Procedures:**
By requisition submission
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 3500 records to date/ 2000-3000 records per year increase
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC with Q&A software on a Novell network
15. **Comments:**

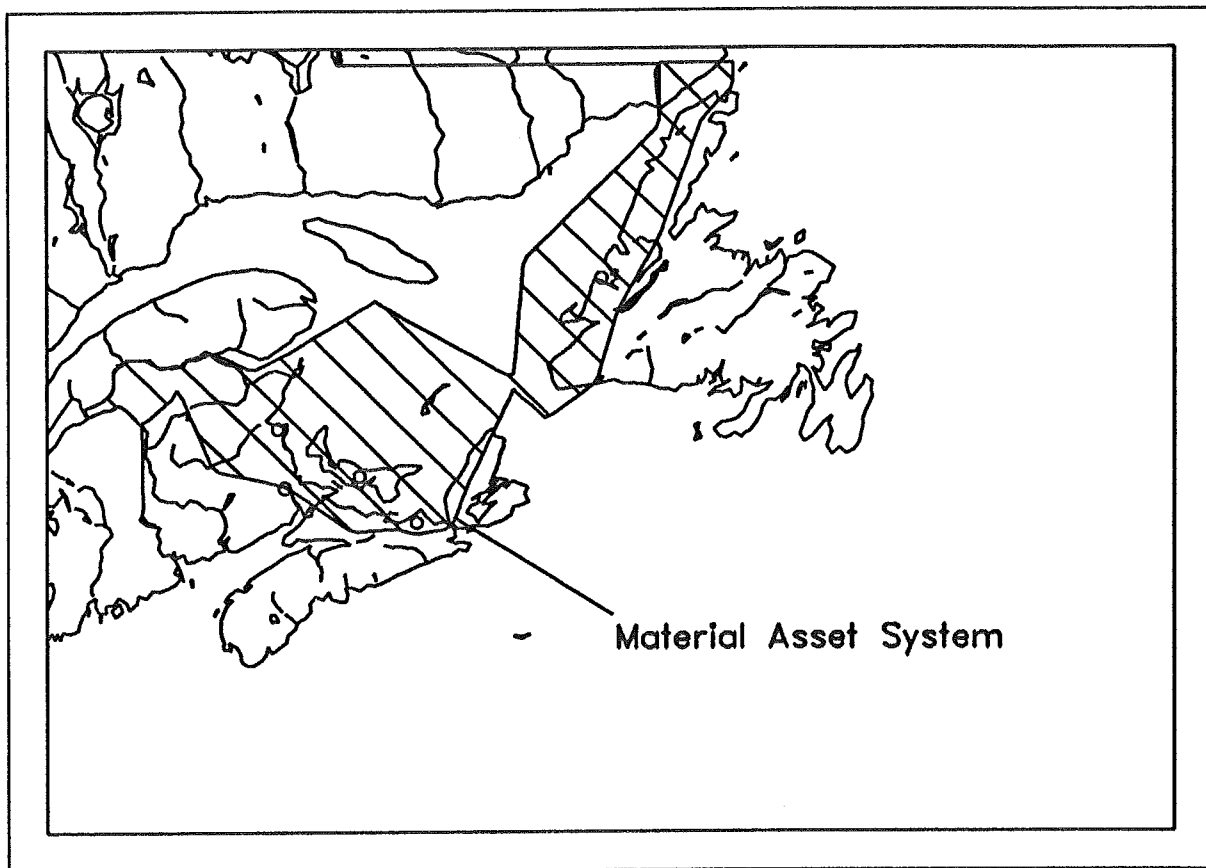
16. **Map:**



17. **Signature:** Verified
Date: June 2, 1992

1. **Data Base Title:** MAS - Material Asset Systems
2. **Contact Person:**
Irène Leblanc
Facilities Management Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-778 Fax (506) 851-7732
3. **Purpose:**
Inventory control
4. **Access/Fees/Restrictions:**
Undetermined
5. **Geographical Coverage/Scale:**
Gulf Region
6. **Geographic Referencing:**
None/Office location name
7. **Period of Record/Update Frequency:**
1991 to present
8. **Format:**
Digital and reports
9. **Data Types/Parameters Measured:**
Inventory items, owners name, value, office location, supplier manufacturer, serial number, model number, description, inventory control number, condition, code and use
10. **Sampling Procedures:**
On site surveys
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 7000/10-20% growth
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC with DBMS
15. **Comments:**
Part of the National System residing in Ottawa

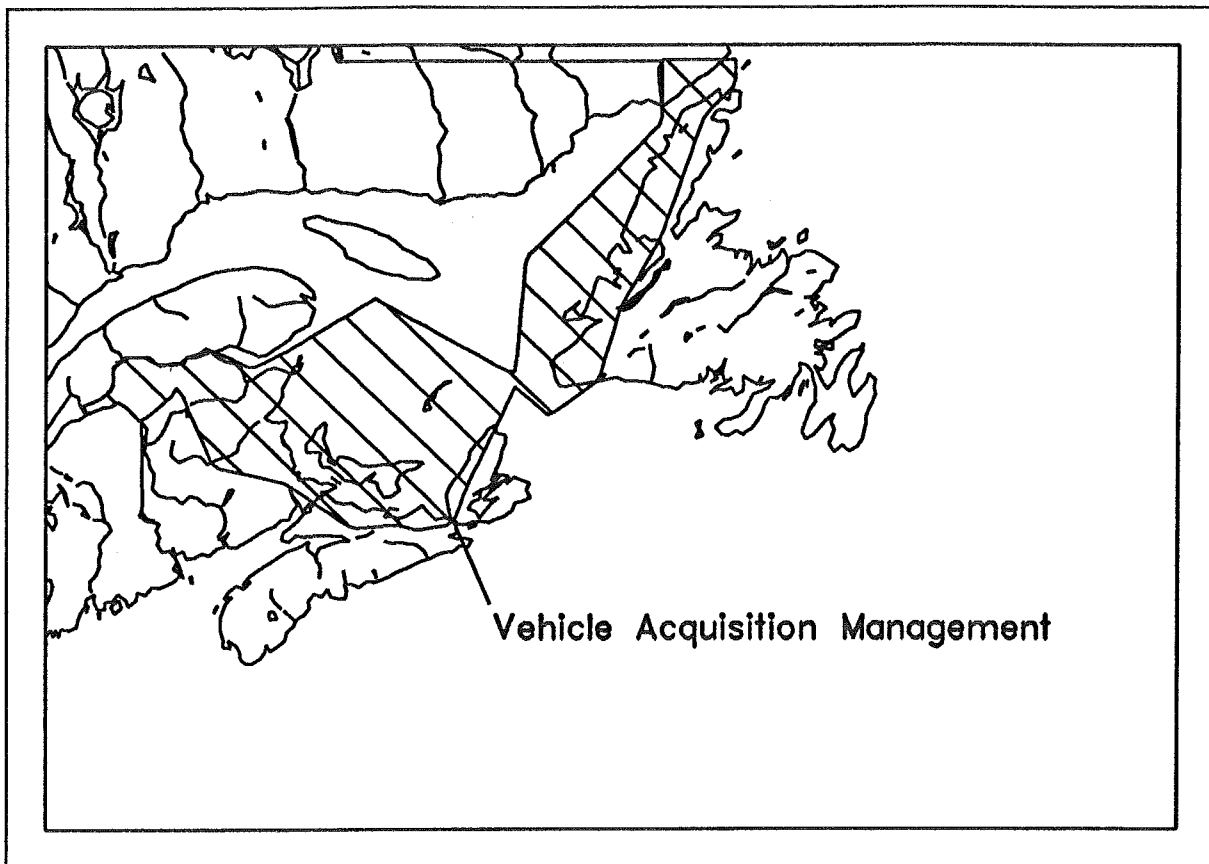
16. Map:



17. Signature: Verified
Date: June 2, 1992

1. **Data Base Title:** VAMS - Vehicle Acquisition Management System
2. **Contact Person:**
Gisele Richard, A/Chief
Facilities Management Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-775 Fax (506) 851-7732
3. **Purpose:**
Control of departmental vehicles
4. **Access/Fees/Restrictions:**
Undetermined
5. **Geographical Coverage/Scale:**
Gulf Region
6. **Geographic Referencing:**
None
7. **Period of Record/Update Frequency:**
1990 to present/daily updates or as required
8. **Format:**
Digital, hardcopy and reports
9. **Data Types/Parameters Measured:**
Purchase use, maintenance, replacement qualification, size, type purpose, etc
10. **Sampling Procedures:**
Purchasing records and requests
11. **Program Type:**
Monitoring and management
12. **Size/Growth:**
About 225 records
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC with DBMS
15. **Comments:**
Also on Ottawa mainframe as part of National System

16. **Map:**

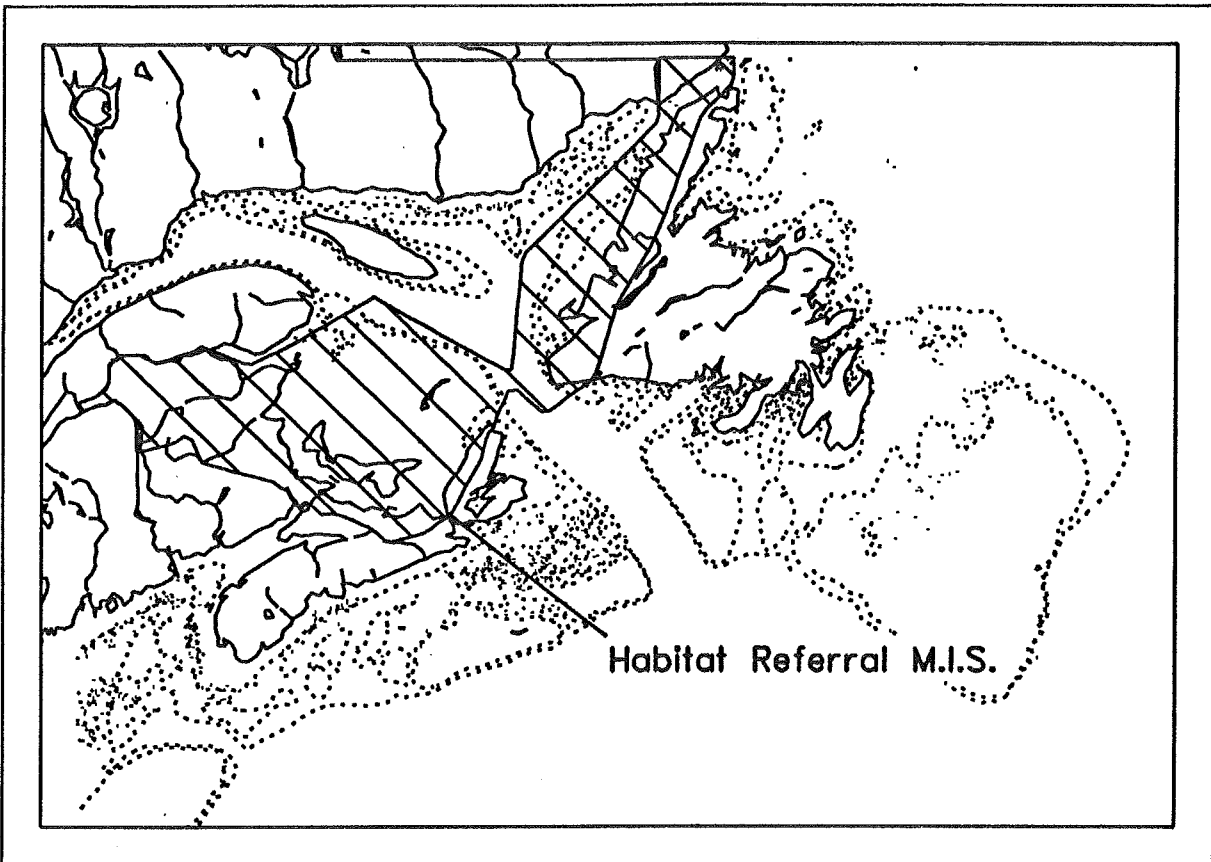


17. **Signature:** Verified
Date: May 26, 1992

Fisheries and Habitat Management Branch Gulf Region

1. **Data Base Title:** Habitat Referral M.I.S.
2. **Contact Person:**
John Legault, Head
Habitat Management Division
Fisheries and Habitat Management Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-622 Fax (506) 851-7732
3. **Purpose:**
Record of Fish habitat impacting activities, natural or man induced, with results of assessments and mitigation
4. **Access/Fees/Restrictions:**
None
5. **Geographical Coverage/Scale:**
Gulf Region
6. **Geographic Referencing:**
Latitude and longitude and UTM
7. **Period of Record/Update Frequency:**
1980 to 1992/ daily updates
8. **Format:**
Digital and hardcopy
9. **Data Types/Parameters Measured:**
Project number, project officer, location, project type, date received, compliance reports, EARP assessments, mitigation and other related data
10. **Sampling Procedures:**
On site surveys
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Over 10,000 records, 10-20% growth per year
13. **Environmental Legislation:**
Fisheries Act
14. **Computer System:**
MacIntosh, 4th Dimension
15. **Comments:**

16. Map:

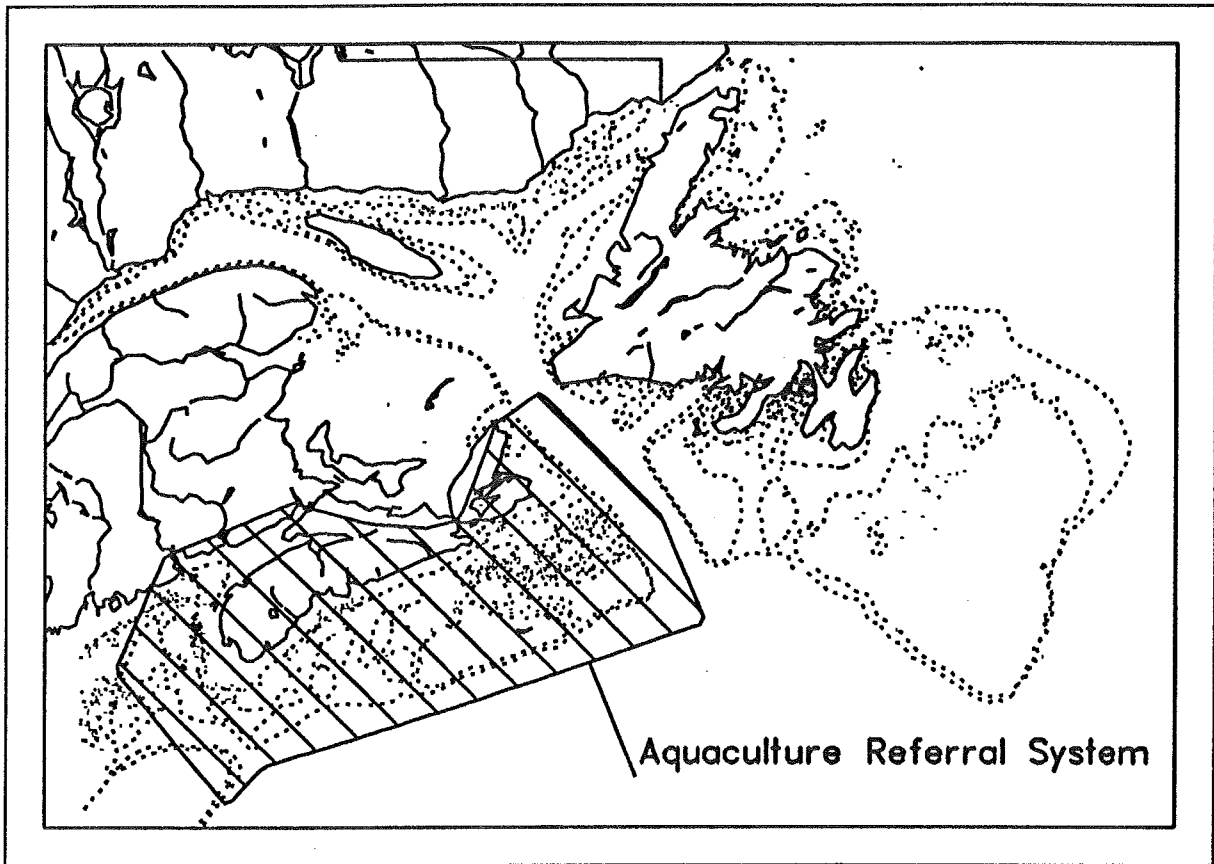


17. Signature: Verified
Date: May 26, 1992

Fisheries and Habitat Management Branch Scotia-Fundy Region

1. **Data Base Title:** Aquaculture Referral System
2. **Contact Person:**
Gary E. Turner
Fisheries & Habitat Management Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, N.S. B3J 2S7
Tel (902) 426-323 Fax (902) 426-3479
3. **Purpose:**
Baseline data on aquaculture site
4. **Access/Fees/Restrictions:**
Query only, modifications in-house
5. **Geographical Coverage/Scale:**
Scotia-Fundy Region
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Daily or as required
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Sites, ownership, species grown, permit status
10. **Sampling Procedures:**
On site, federal/provincial application data
11. **Program Type:**
Monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC
dBase, using Clipper 5.01.
15. **Comments:**

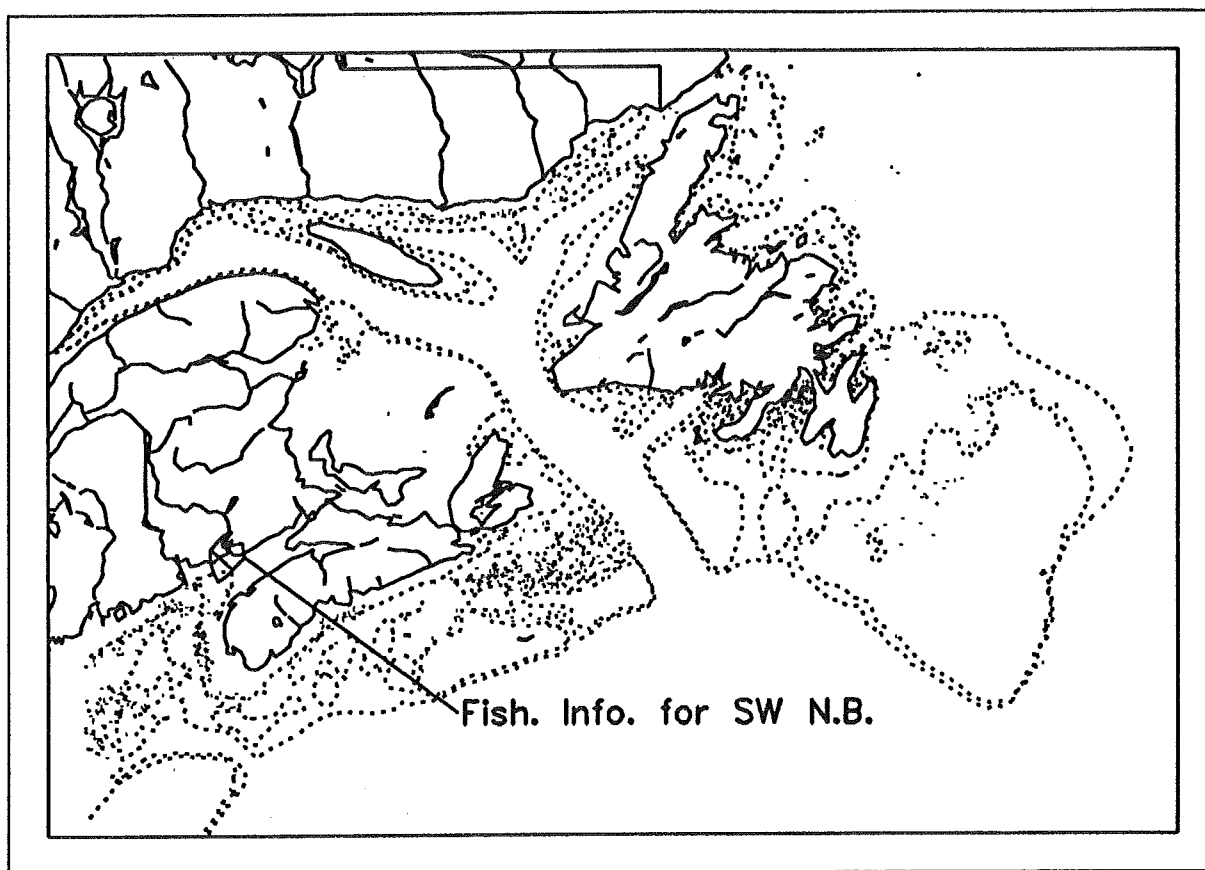
16. Map:



17. Signature: Verified
Date: June 8, 1992

1. **Data Base Title:** Fisheries Information for Southwest New Brunswick
2. **Contact Person:**
James. E. Race
Fisheries & Habitat Management Branch
Department of Fisheries and Oceans
189 William St.
Saint John
New Brunswick E2L 2B9
Tel (506) 636-483 Fax
3. **Purpose:**
Maintain information base on fisheries activities
4. **Access/Fees/Restrictions:**
Through Hank Scarth, Area Manager SWNB, Box 210, St. Andrews N.B./ none/ on sensitive information
5. **Geographical Coverage/Scale:**
All of Southwest New Brunswick from the US border to N.S.
6. **Geographic Referencing:**
Port to Port, fishing zone
7. **Period of Record/Update Frequency:**
1990+/- irregular
8. **Format:**
Mainly Hard copy, some in digital/ various, generally better than 1:50000
9. **Data Types/Parameters Measured:**
Location of herring seiners, scallop fishery, lobster fishery, lobster pounds, sturgeon gillnet, seal haulouts, fish landing sites, plus additional information on various topics such as habitat changes and pollution impacts on fisheries
10. **Sampling Procedures:**
On-site surveys
11. **Program Type:**
Management, monitoring
12. **Size/Growth:**
≈100 pages/ no growth
13. **Environmental Legislation:**
Fisheries Act and regulations, Environmental contamination, Inspection Regulations
14. **Computer System:**
Some on PC using Infocus/Quikmap
15. **Comments:**

16. Map:



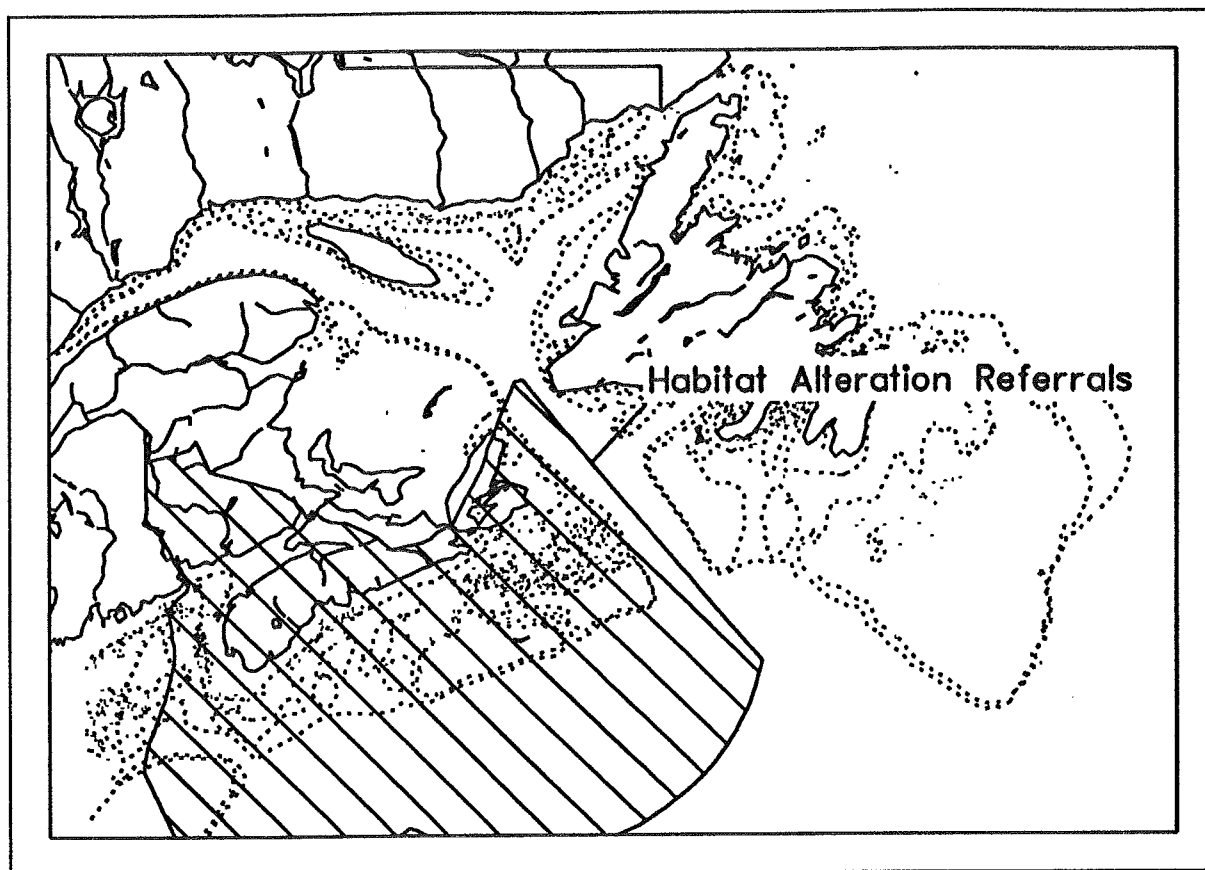
17. Signature: Verified
Date: June 8, 1992

**Habitat Management Branch Scotia-
Fundy Region**

1. Data Base Title: Habitat Alteration Referral System Data Base
2. **Contact Person:**
Andre Ducharme/Robert Rutherford
Habitat Management Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, Nova Scotia B3J 2S7
Tel (902) 426-5933/(902) 426-8398 Fax (902) 426-3479
3. **Purpose:**
Data used in fish habitat management. To provide easy access to referral files, and track the progress and status of referred projects. To maintain a data base in support of stream alteration referrals in the Scotia-Fundy Region of the Department of Fisheries and Oceans
4. **Access/Fees/Restrictions:**
Through contact person/None/Restrictions on some open files
5. **Geographical Coverage/Scale:**
Scotia-Fundy Region, Nova Scotia and New Brunswick drainage basins flowing into the Bay of Fundy or the Atlantic Ocean and associated coastal and offshore to the 200 mile limit. 30 to 40 large rivers in the Scotia-Fundy Region./ point data
6. **Geographic Referencing:**
Latitude and Longitude. Data referenced by province, county, regional stream and watershed codes
7. **Period of Record/Update Frequency:**
Stream alterations from 1967 to date/Continuous
8. **Format:**
Digital, paper and microfiche files
9. **Data Types/Parameters Measured:**
Biological, Physical, Chemical/watershed area, fish species, stream length, pool location, vegetation cover, obstructions, pollution sources, water withdrawal, pH, flows, discharge. Fish habitat parameters and some water chemistry depending on project type, proponent, locations, type of work, DFO contact, responses, restrictions, review and project status and limited follow-up information
10. **Sampling Procedures:**
Field observations by Department personnel and data from environmental impact studies conducted externally. Referral documents, and field investigations as required by the project type to support DFO response
11. **Program Type:**
Survey and management
12. **Size/Growth:**
2500 records/year
13. **Environmental Legislation:**
Fisheries Act
14. **Computer System:**
IBM Compatible PC, First Choice

15. **Comments:**
There are plans to integrate the data in a GIS data base. Suggested Keywords: Rivers; Scotia-Fundy; Fish; Watershed; New Brunswick; Nova Scotia; Atlantic. Provides a good cross section of stream alterations in the Maritime Provinces. Walton Watt, also maintains a data base on freshwater acidity in the Maritimes. This data is available on NAQUADAT (see Water Quality entry in this Volume)

16. **Map:**

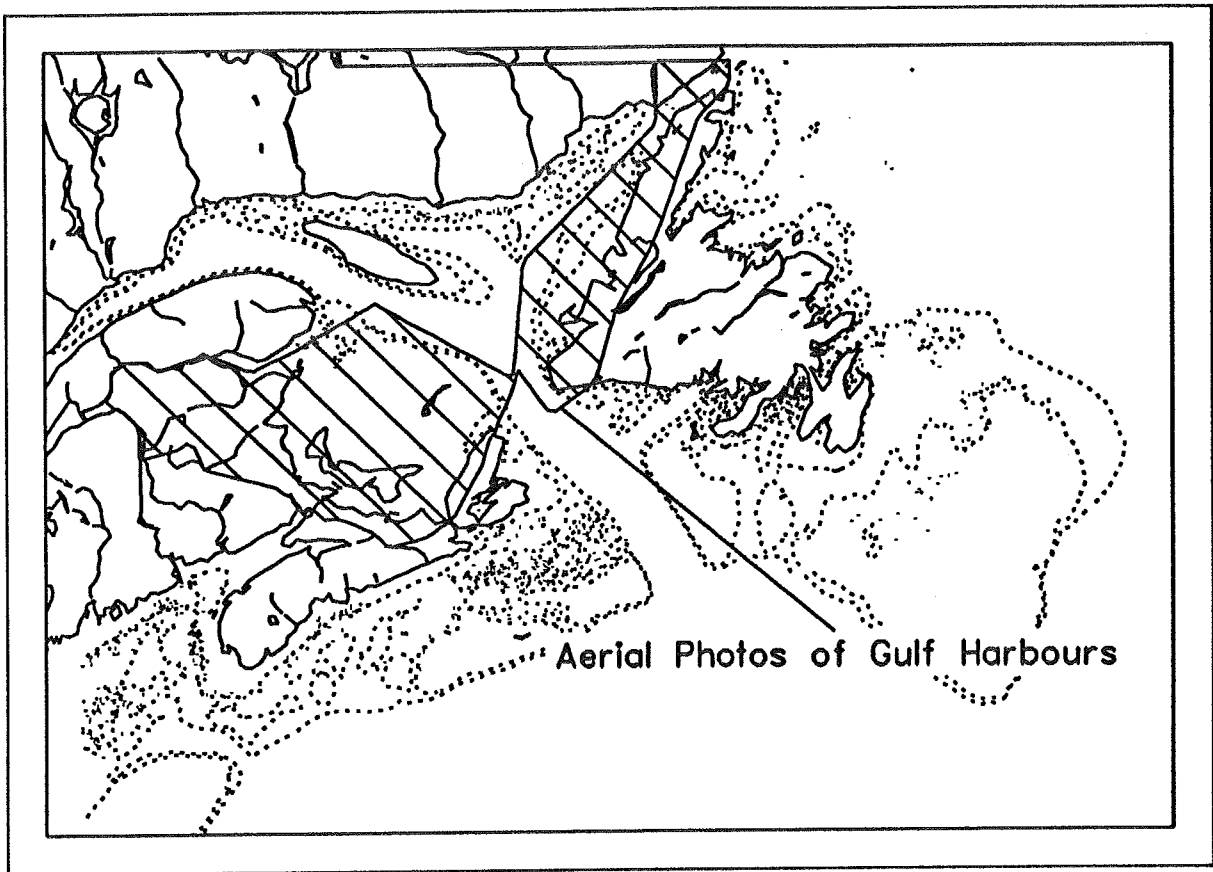


17. **Signature:** Verified
Date: May 14, 1992

Harbours and Infrastructure Branch Gulf Region

1. **Data Base Title:** Aerial Photographs of Gulf Region Harbours
2. **Contact Person:**
Claude Burry, Chief
Harbour Development
Harbours and Infrastructure Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-658__ ? Fax (506) 851-2428
3. **Purpose:**
To maintain inventory of facilities
4. **Access/Fees/Restrictions:**
Photos can be loaned on a short term basis
5. **Geographical Coverage/Scale:**
Gulf Region harbours/Overview phot scale usually varies from 1:6000 to 1:8000;
enlargement photos zoom in to harbour area (scale as required)
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Various locations flown as required (due to construction, demolition, etc.)/approximately 1-5
years
8. **Format:**
10 X 10 photographs
9. **Data Types/Parameters Measured:**
N/A
10. **Sampling Procedures:**
Remote sensing
11. **Program Type:**
Monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
N/A
15. **Comments:**

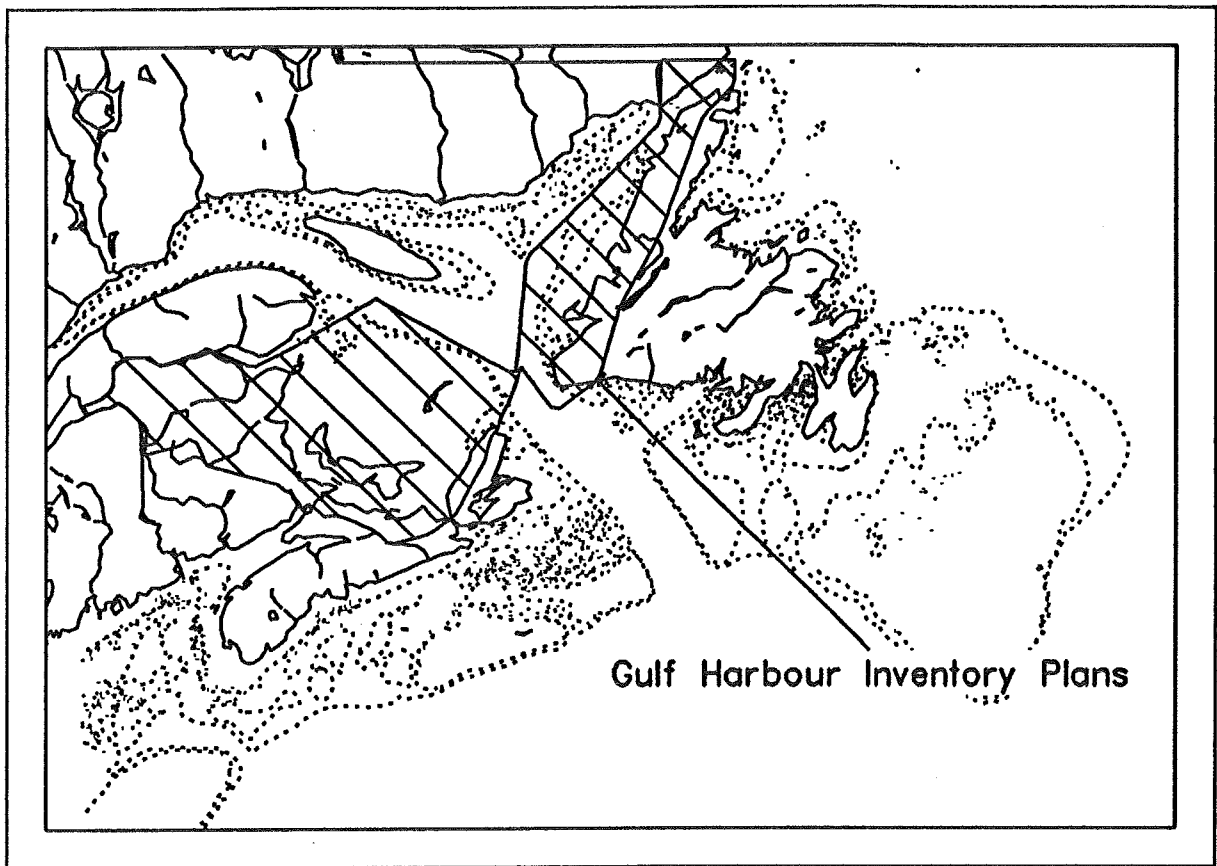
16. Map:



17. Signature: Verified
Date: June, 1992

1. **Data Base Title:** Gulf Region Harbour Inventory Plan
2. **Contact Person:**
Claude Burry, Chief
Harbour Development
Harbours and Infrastructure Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-658 — ? Fax (506) 851-2428
3. **Purpose:**
To maintain inventory of facilities, utilities, operational requirements etc.
4. **Access/Fees/Restrictions:**
N/A
5. **Geographical Coverage/Scale:**
Gulf Region harbours/ 1:1000
6. **Geographic Referencing:**
NEMR, UTM, NAD27 or NEMR ST
7. **Period of Record/Update Frequency:**
Updated as required
8. **Format:**
Most in digital format (CARIS, NTX), those that are in hardcopy (plans) are being digitized
9. **Data Types/Parameters Measured:**
Harbour layout, facilities (marine structures), operational requirements (berthage & service areas, etc.), fuel locations, property data
10. **Sampling Procedures:**
On site surveys
11. **Program Type:**
Monitoring, mapping
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX/VMS CARIS
15. **Comments:**
Can forward plot of harbour locations, and possibly individual harbours on request

16. Map:

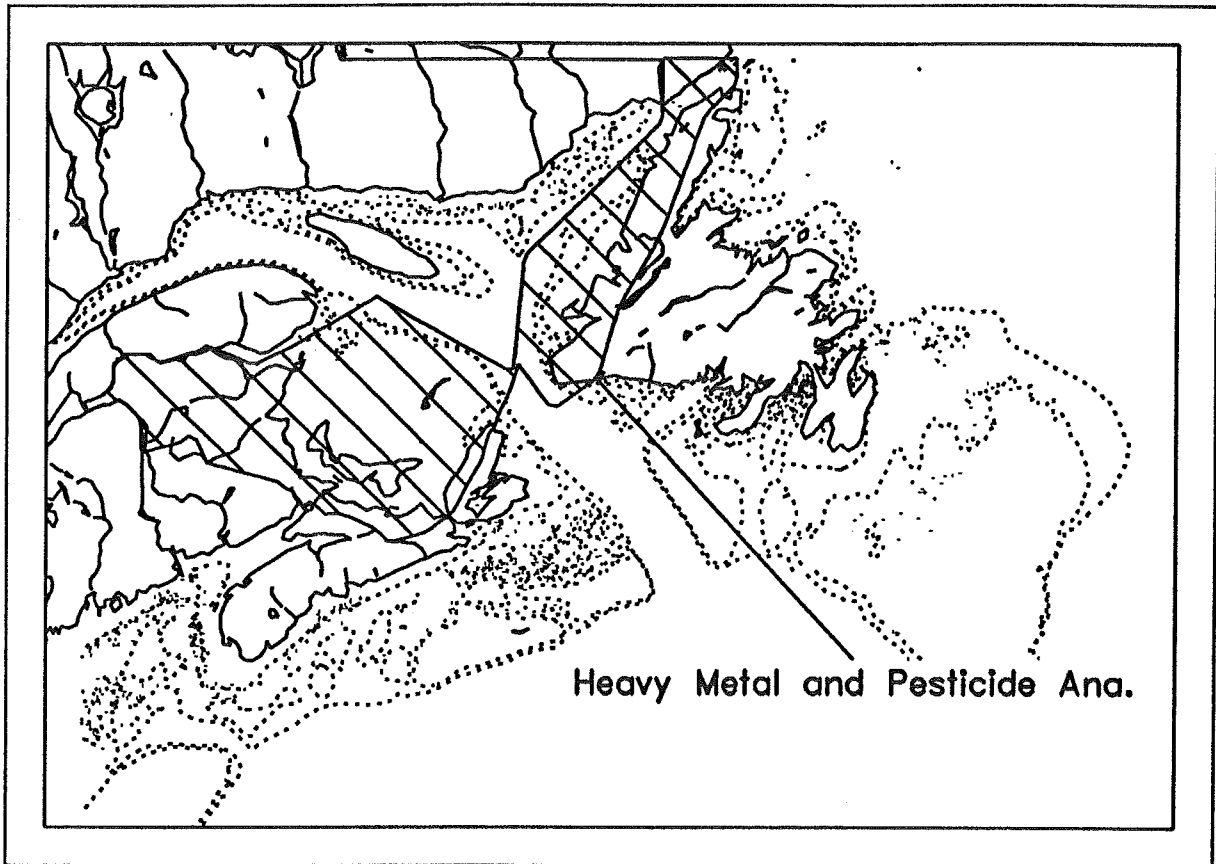


17. Signature: Verified
Date: June, 1992

Inspection Services Branch Gulf Region

1. **Data Base Title:** Heavy Metal and Pesticides Analysis of Fish & Shellfish
2. **Contact Person:**
J. MacLean
Inspection Services Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-656 Fax (506)
3. **Purpose:**
Inventory of heavy metal & pesticides in fish product in Gulf Region
4. **Access/Fees/Restrictions:**
Processing establishment information is confidential
5. **Geographical Coverage/Scale:**
Gulf Region sector of the Gulf of St. Lawrence
6. **Geographic Referencing:**
NAFO & Latitude and Longitude where available
7. **Period of Record/Update Frequency:**
1983 to present/as required
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Numerous heavy metals & pesticides
10. **Sampling Procedures:**
On site surveys as required
11. **Program Type:**
Monitoring
12. **Size/Growth:**
1,100 records/50 - 100 records per year
13. **Environmental Legislation:**
Fish Inspection Regulation, Management of Contaminated Fisheries Regulations
14. **Computer System:**
IBM Compatible PC.
Q&A Software
15. **Comments:**

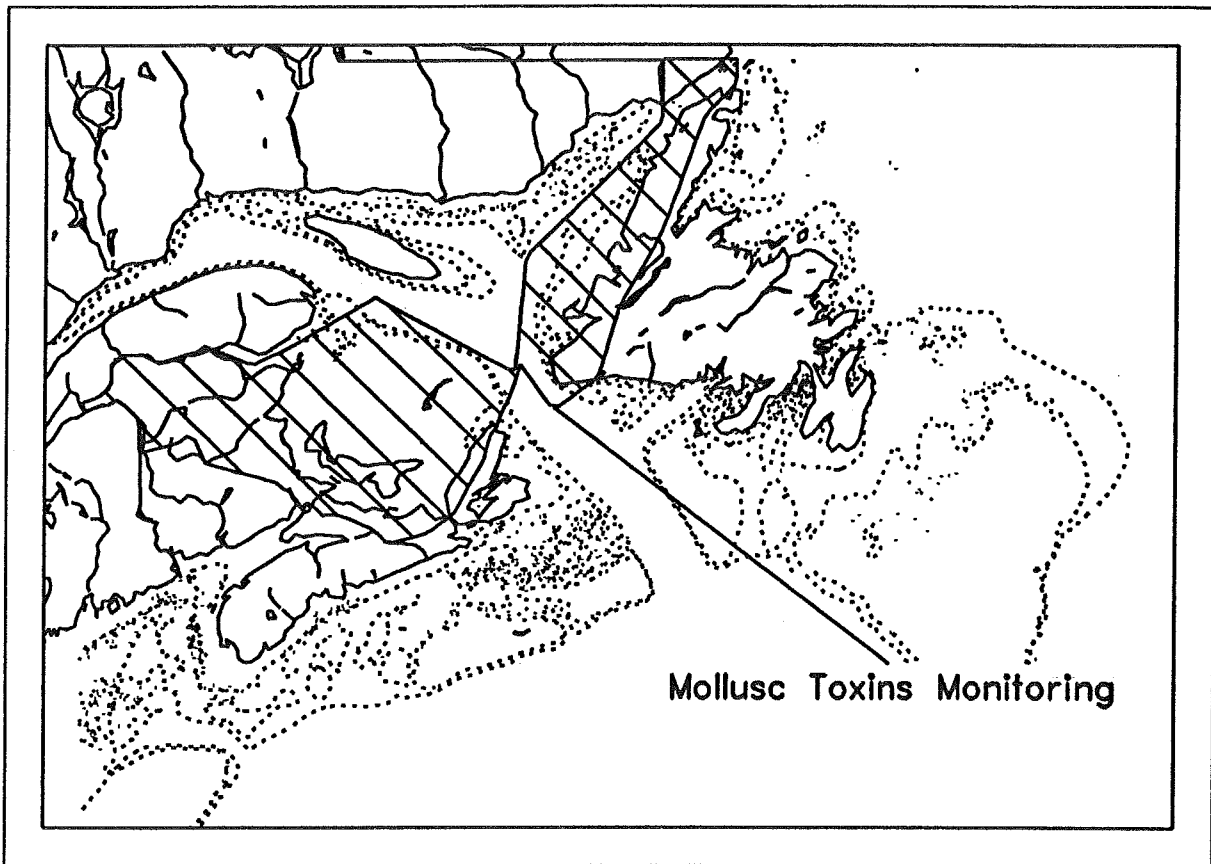
16. Map:



17. Signature: Verified
Date: June, 1992

1. **Data Base Title:** Molluscs Toxins Program Database
2. **Contact Person:**
J. MacLean
Inspection Services Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-656 Fax (506)
3. **Purpose:**
The database is used for the opening and closure of shellfish areas
4. **Access/Fees/Restrictions:**
Processing establishment information is confidential
5. **Geographical Coverage/Scale:**
Gulf Region sector of the Gulf of St. Lawrence
6. **Geographic Referencing:**
Most sites and areas of sampling have coordinates
7. **Period of Record/Update Frequency:**
1988 to present/as required
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Sample No., date sampled, species & form, sampling site and area bioassay diagnosis, saxitoxin equivalent $\mu\text{g}/100\text{ g}$, domoic acid $\mu\text{g}/100\text{ g}$, mice weight and death time
10. **Sampling Procedures:**
On site surveys once per week per harvesting area
11. **Program Type:**
Monitoring
12. **Size/Growth:**
12,000 records/2000 records per year
13. **Environmental Legislation:**
Fish Inspection Regulation, Management of Contaminated Fisheries Regulations
14. **Computer System:**
IBM Compatible PC.
Q&A Software
15. **Comments:**

16. **Map:**

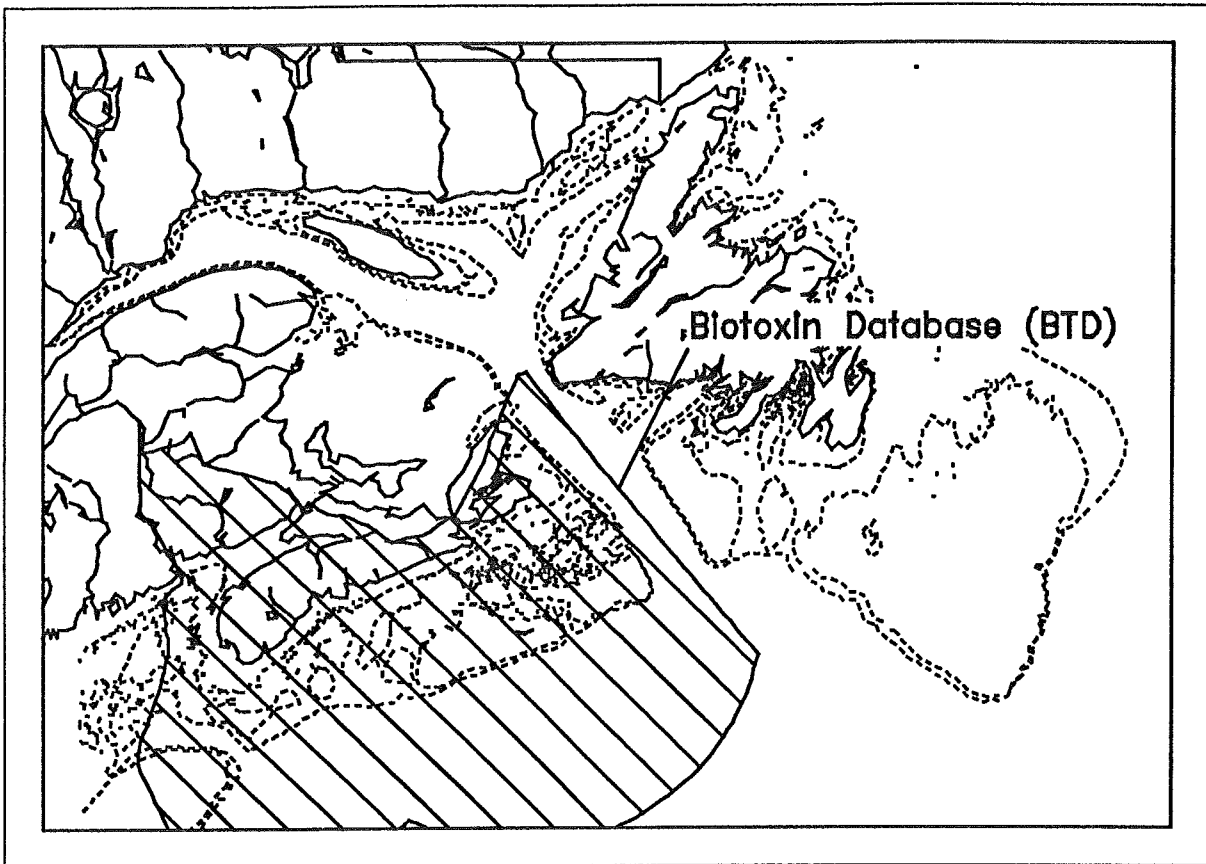


17. **Signature:** Verified
Date: June, 1992

Inspection Services Branch Scotia- Fundy Region

1. **Data Base Title:** Biotoxin Data base (BTD)
2. **Contact Person:**
Joseph Southall, Chief
Planning, Coordination & Review
Inspection Services Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, Nova Scotia B3J 2S7
Tel (902) 426-942 Fax (902) 426-5342
3. **Purpose:**
Consumer health & safety protection and regulatory compliance and enforcement activities
4. **Access/Fees/Restrictions:**
Inspection Services Branch users only
5. **Geographical Coverage/Scale:**
Scotian Shelf, Gulf of Maine, Bay of Fundy
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Daily as results become available
8. **Format:**
Digital, hardcopy and report
9. **Data Types/Parameters Measured:**
PSP, ASP and DSP biotoxin analysis results
10. **Sampling Procedures:**
On site, UN/FAO Codex Alimentarius Sampling Plans
11. **Program Type:**
Monitoring, surveillance and enforcement
12. **Size/Growth:**
100 Megabytes/year.
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC - 386, 386SX and 286, dBase
15. **Comments:**
Based upon the results of the above listed biotoxin analysis areas are opened or closed for shellfish harvesting pursuant to Management of Contaminated Fisheries Regulations

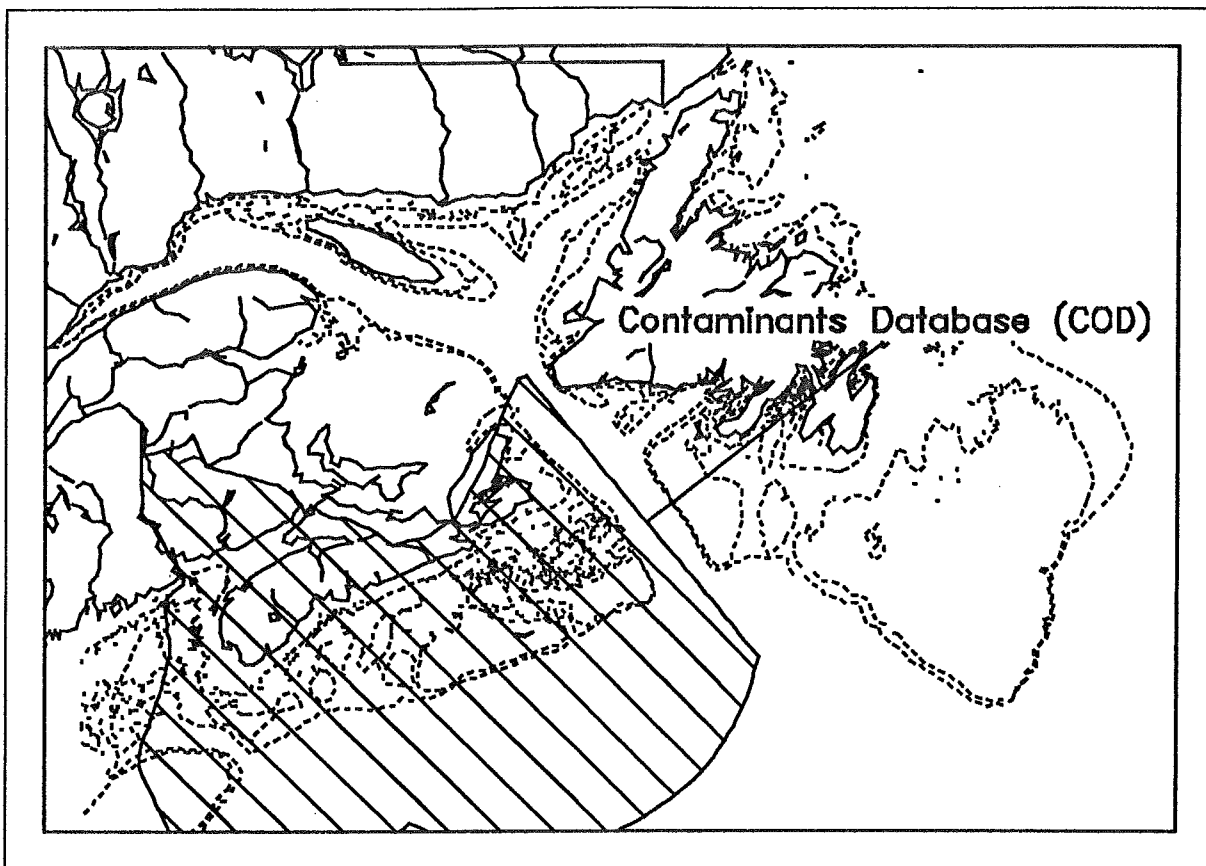
16. Map:



17. Signature: Verified
Date: April 28, 1992

1. **Data Base Title:** Contaminants Data Base (COD)
2. **Contact Person:**
Joseph Southall, Chief
Planning, Coordination & Review
Inspection Services Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, Nova Scotia B3J 2S7
Tel (902) 426-942 Fax (902) 426-5342
3. **Purpose:**
Consumer health & safety protection and regulatory compliance and enforcement activities
4. **Access/Fees/Restrictions:**
Inspection Services Branch users only
5. **Geographical Coverage/Scale:**
Scotian Shelf, Gulf of Maine, Bay of Fundy
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Daily as results become available
8. **Format:**
Digital, hardcopy and report
9. **Data Types/Parameters Measured:**
Heavy metals (Mercury, lead, arsenic, cadmium), pesticides contaminants (PCB's, PAH's, Dioxins/furans), additives (Sulfites)
10. **Sampling Procedures:**
On site, UN/FAO Codex Alimentarius Sampling Plans
11. **Program Type:**
Monitoring, surveillance, product inspection and export certification
12. **Size/Growth:**
100 Megabytes/year
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC - 386, 386SX and 286, dBase
15. **Comments:**
Contaminant results of analysis of imported fish products are also maintained in this data base

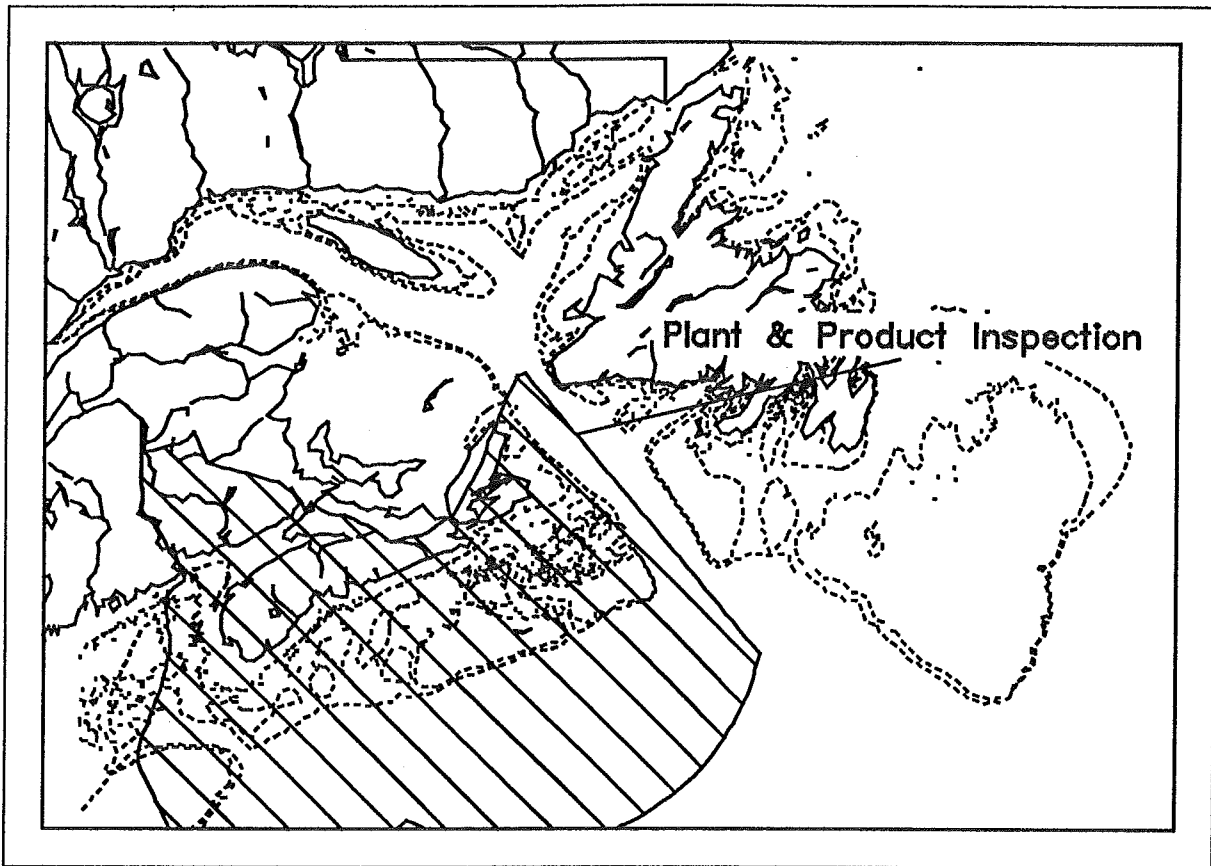
16. Map:



17. Signature: Verified
Date: April 28, 1992

1. **Data Base Title:** Plant/Product Inspection Data Base (PPRAMS)
2. **Contact Person:**
Joseph Southall, Chief
Planning, Coordination & Review
Inspection Services Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, Nova Scotia B3J 2S7
Tel (902) 426-942 Fax (902) 426-5342
3. **Purpose:**
Consumer health & safety protection and regulatory compliance and enforcement activities
4. **Access/Fees/Restrictions:**
Inspection Services Branch users only
5. **Geographical Coverage/Scale:**
Scotian Shelf, Gulf of Maine, Bay of Fundy
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Daily as results become available
8. **Format:**
Digital, hardcopy and report
9. **Data Types/Parameters Measured:**
Sensory, micro, chemical inspection of fish and products
10. **Sampling Procedures:**
On site, UN/FAO Codex Alimentarius Sampling Plans
11. **Program Type:**
Monitoring, surveillance, enforcement and export certification
12. **Size/Growth:**
100 Megabytes/year
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC - 386, 386SX and 286, dBase
15. **Comments:**

16. Map:

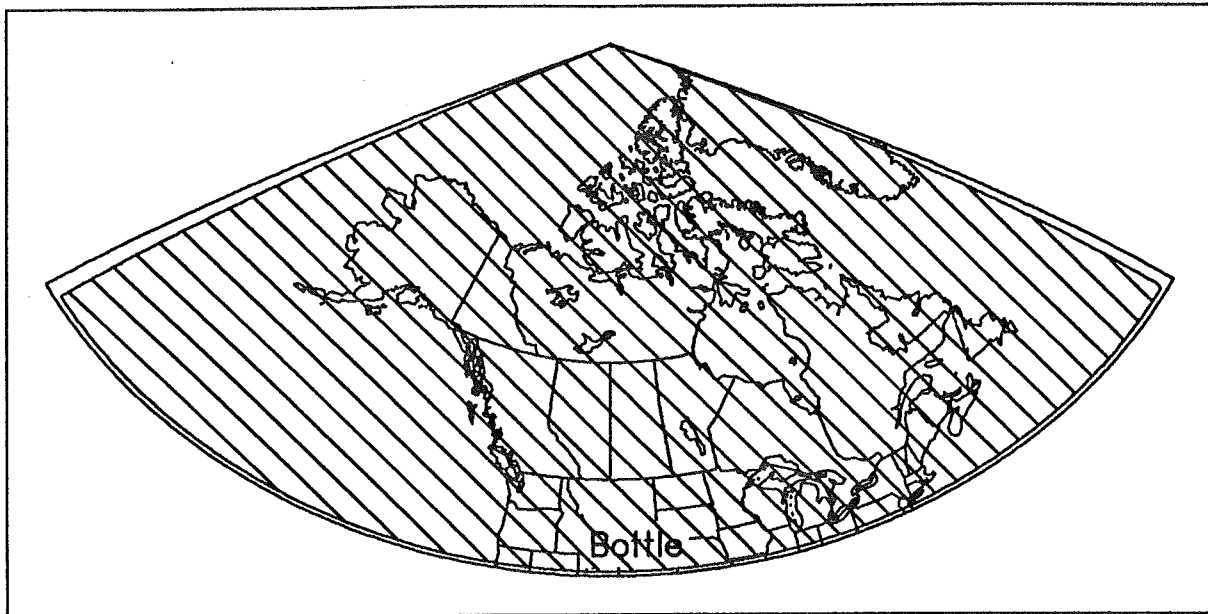


17. Signature: Verified
Date: April 28, 1992

Marine Environmental Data Service Ottawa

1. **Data Base Title:** Bottle Sampling
2. **Contact Person:**
Mr. Don Spear, Head
Historical Archive Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent St
Ottawa, Ontario K1A 0E6
Tel (613) 990-024 Fax (613) 990-5510
3. **Purpose:**
Profile data for temperature, salinity, nutrients and various chemical parameters using bathythermograph for ocean and climate research as defined in the Financial Administration Act
4. **Access/Fees/Restrictions:**
Available to the public with a disclaimer and subject to cost recovery as defined in the Financial Administration Act
5. **Geographical Coverage/Scale:**
40 - 90° N, 40 - 180° W
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1905 to present
8. **Format:**
Digital: Magnetic Disk/Tape; Electronic communication
9. **Data Types/Parameters Measured:**
All physical ocean properties vs depth
10. **Sampling Procedures:**
Ship borne sampling
11. **Program Type:**
Research
12. **Size/Growth:**
200 Megabytes; 150,000 records; 43 attributes per record
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX 6320 - VMS
15. **Comments:**

16. **Map:**



17. **Signature:**

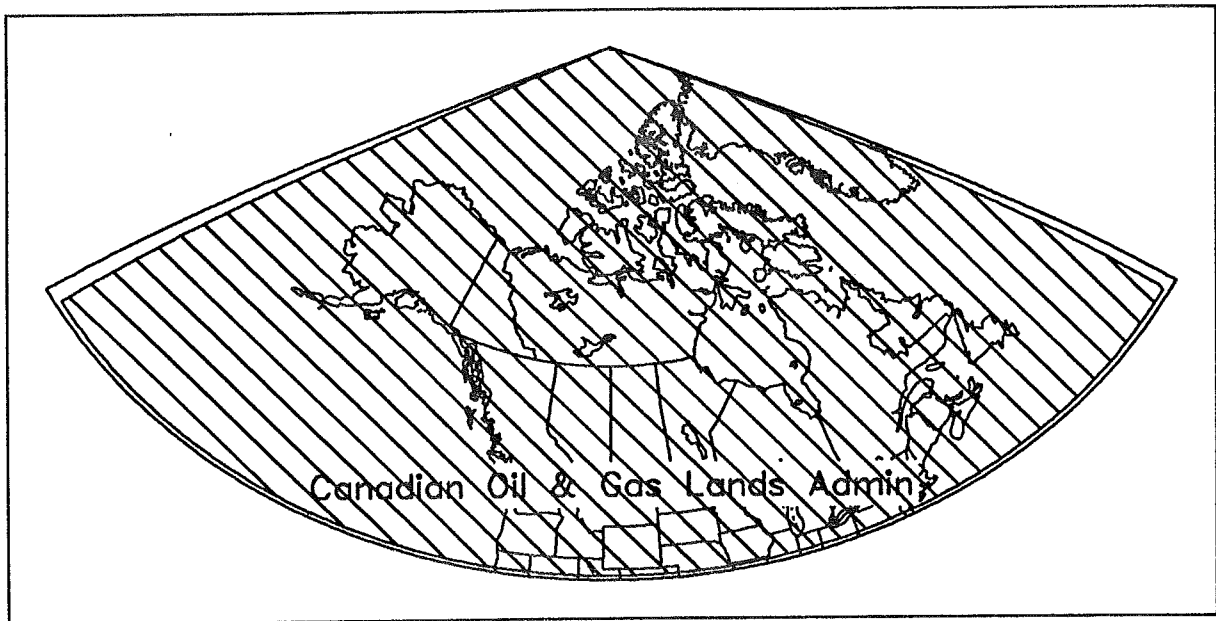
Verified

Date:

May 6, 1992

1. **Data Base Title:** Canada Oil & Gas Lands Administration (COGLA)
2. **Contact Person:**
Mr. Don Spear, Head
Historical Archive Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent St
Ottawa, Ontario K1A 0E6
Tel (613) 990-024 Fax (613) 990-5510
3. **Purpose:**
Data collected by drill ship operators as per COGLA guidelines. Includes Meteorology, waves, ice current meter & oceanographic data to be applied in future engineering & scientific research applications
4. **Access/Fees/Restrictions:**
Available to outside users two years after submission
5. **Geographical Coverage/Scale:**
Offshore in Canadian waters
6. **Geographic Referencing:**
Wellhead Name
7. **Period of Record/Update Frequency:**
1980-1990
8. **Format:**
Magnetic tape archive only
9. **Data Types/Parameters Measured:**
Wind, wave, ice, tides and meteorological currents
10. **Sampling Procedures:**
On site surveys
11. **Program Type:**
Monitoring
12. **Size/Growth:**
30 well heads/ variable growth with no growth last year
13. **Environmental Legislation:**
Canada Oil and Gas Lands Act
14. **Computer System:**
VAX - VMS
15. **Comments:**

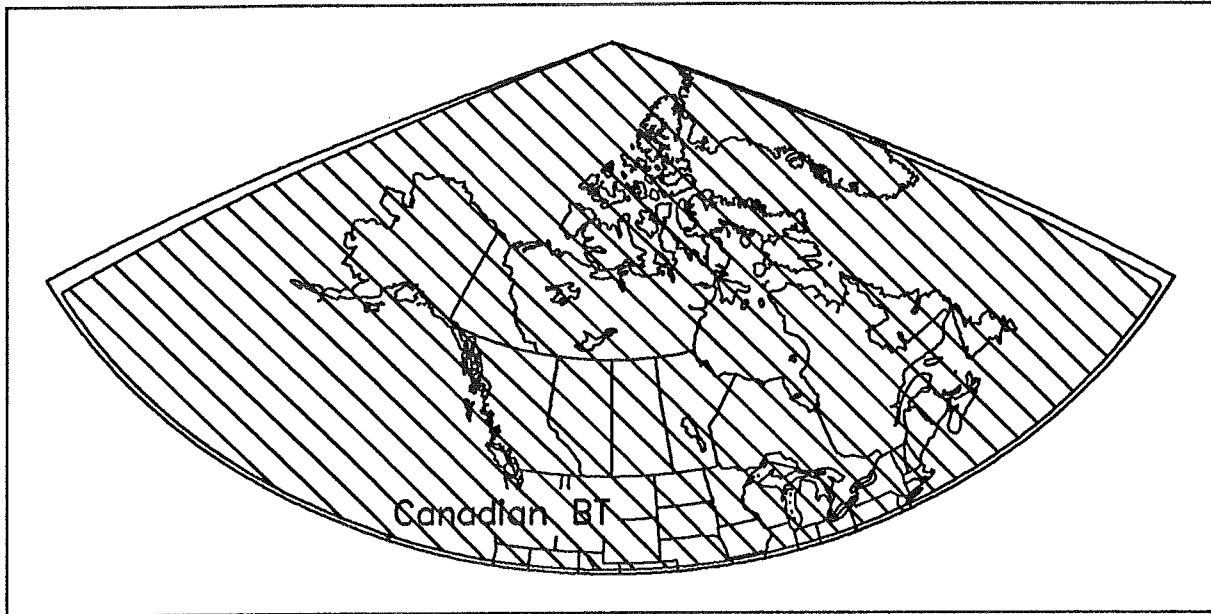
16. Map:



17. Signature: Verified
Date: May 6, 1992

1. **Data Base Title:** Canadian BT
2. **Contact Person:**
Mr. Don Spear, Head
Historical Archive Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent St
Ottawa, Ontario K1A 0E6
Tel (613) 990-024 Fax (613) 990-5510
3. **Purpose:**
Temperature profile data collected using bathythermograph. Current Applications: Ocean & Climate Research
4. **Access/Fees/Restrictions:**
Available to the public with a disclaimer and subject to cost recovery as defined in the Financial Administration Act
5. **Geographical Coverage/Scale:**
40 - 90° N, 40 - 180° W
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1960 to present/ verified as data required
8. **Format:**
Digital and hardcopy
9. **Data Types/Parameters Measured:**
Temperature vs depth
10. **Sampling Procedures:**
Ship borne sampling
11. **Program Type:**
Research
12. **Size/Growth:**
150 Megabytes: 150,000 records: 43 attributes per record
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX 6320 Mainframe, VMS
15. **Comments:**

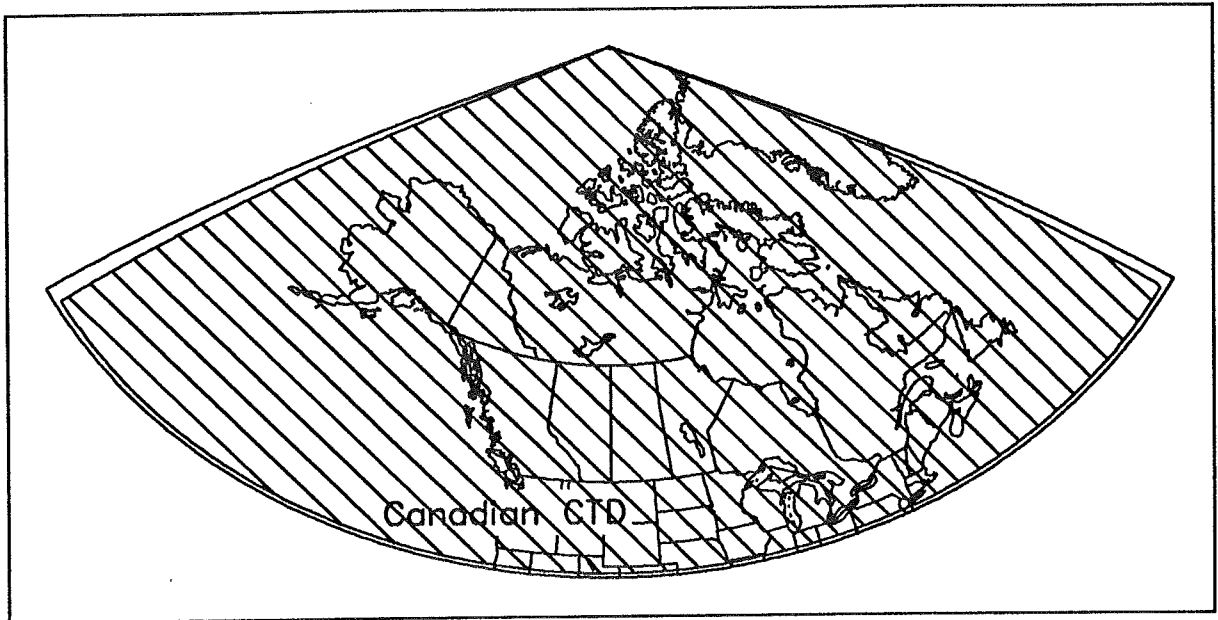
16. Map:



17. Signature: Verified
Date: May 6, 1992

1. **Data Base Title:** Canadian Temperature and Salinity Data (CTD)
2. **Contact Person:**
Mr. Don Spear, Head
Historical Archive Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent St
Ottawa, Ontario K1A 0E6
Tel (613) 990-024 Fax (613) 990-5510
3. **Purpose:**
Contains profiles of temperature, salinity and sometimes other variable such as oxygen as a function of depth. Some profiles will also have associated surface observations of weather
4. **Access/Fees/Restrictions:**
Available to the public with a disclaimer and subject to cost recovery as defined in the Financial Administration Act
5. **Geographical Coverage/Scale:**
40 - 90° N, 40 - 180° W
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1970's to present. Update: as data are received and processed
8. **Format:**
Digital and hardcopy
9. **Data Types/Parameters Measured:**
Temperature and salinity vs depth
10. **Sampling Procedures:**
Ship borne sampling
11. **Program Type:**
Research
12. **Size/Growth:**
100 Megabytes:150,000 records; 43 attributes per record
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX 6320 Mainframe - VMS
15. **Comments:**

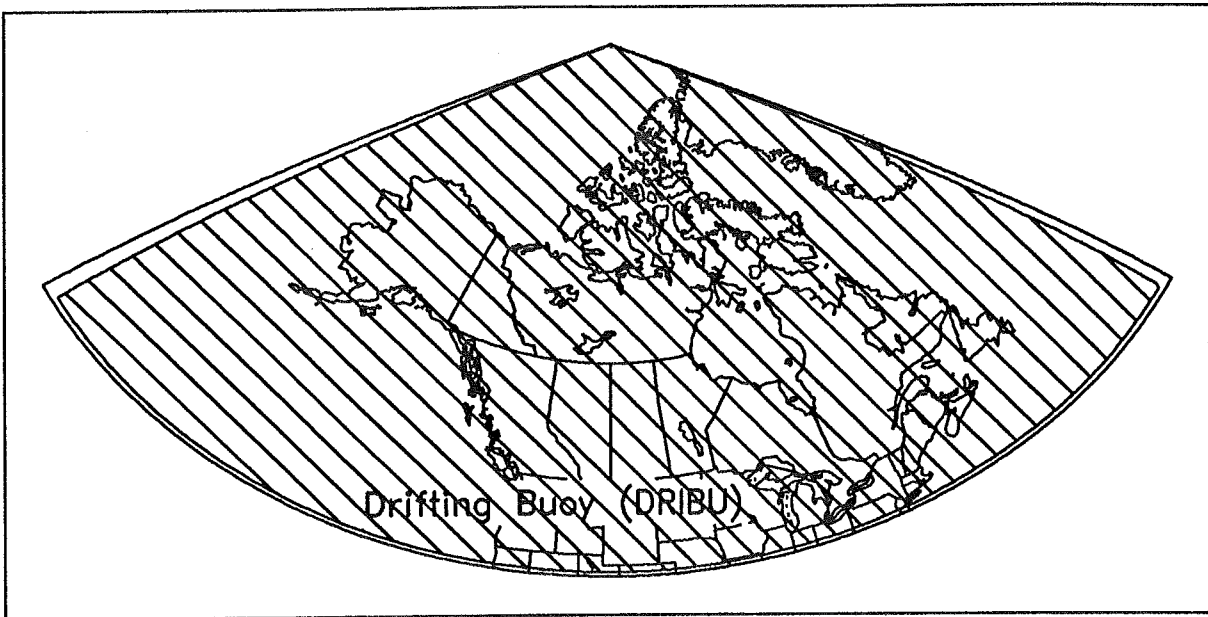
16. Map:



17. Signature: Verified
Date: May 6, 1992

1. **Data Base Title:** Drifting Buoy (DRIBU)
2. **Contact Person:**
Mr. Roger Menard
Head - Realtime Archives Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent St
Ottawa, Ontario K1A 0E6
Tel (613) 990-025 Fax (613) 990-5510
3. **Purpose:**
Sequential-indexed base of drifting buoy data by buoy number and date/time from entire globe to be applied to general oceanography studies
4. **Access/Fees/Restrictions:**
Available to the public with a disclaimer and subject to cost recovery as defined in the Financial Administration Act
5. **Geographical Coverage/Scale:**
All oceans, Data collected mostly by research programs
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1978 to present
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Pressure, sea surface temperature, wind and air temperature, drogue and sub-surface water temperature
10. **Sampling Procedures:**
Remote sensing
11. **Program Type:**
Research
12. **Size/Growth:**
300 Megabytes; 5 million messages received; 14 attributes per record. New data is acquired and added daily
13. **Environmental Legislation:**
N/A
14. **Computer System:**
DEC VAX 6320 Mainframe. VMS 5.4
15. **Comments:**

16. Map:



17. Signature:

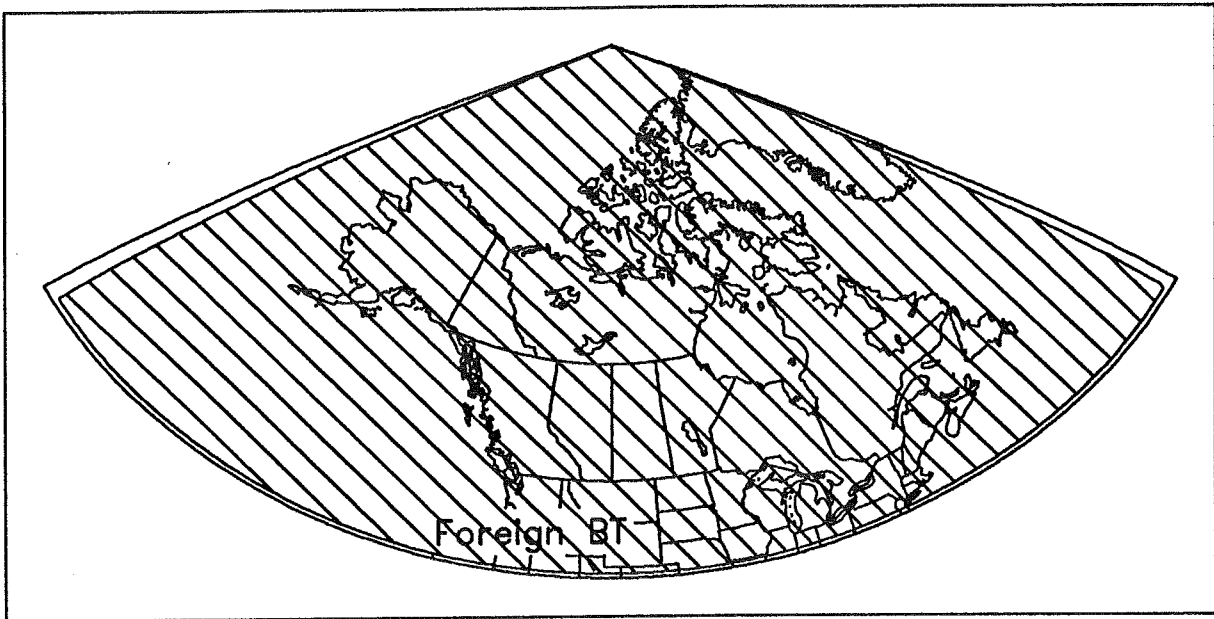
Verified

Date:

May 6, 1992

1. **Data Base Title:** Foreign BT
2. **Contact Person:**
Mr. Don Spear, Head
Historical Archive Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent St
Ottawa, Ontario K1A 0E6
Tel (613) 990-024 Fax (613) 990-5510
3. **Purpose:**
Temperature Profile data collected using bathythermograph
4. **Access/Fees/Restrictions:**
Available to the public with a disclaimer and subject to cost recovery as defined in the Financial Administration Act
5. **Geographical Coverage/Scale:**
40 - 90° N, 40 - 180° W
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1960 to Present
8. **Format:**
Digital and hardcopy
9. **Data Types/Parameters Measured:**
Temperature versus Depth
10. **Sampling Procedures:**
Ship borne sampling
11. **Program Type:**
Research
12. **Size/Growth:**
10 Megabytes; 10,000 records; verified as data is required; ongoing updates (continuous as data are received)
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX 6320 Mainframe - VMS
15. **Comments:**

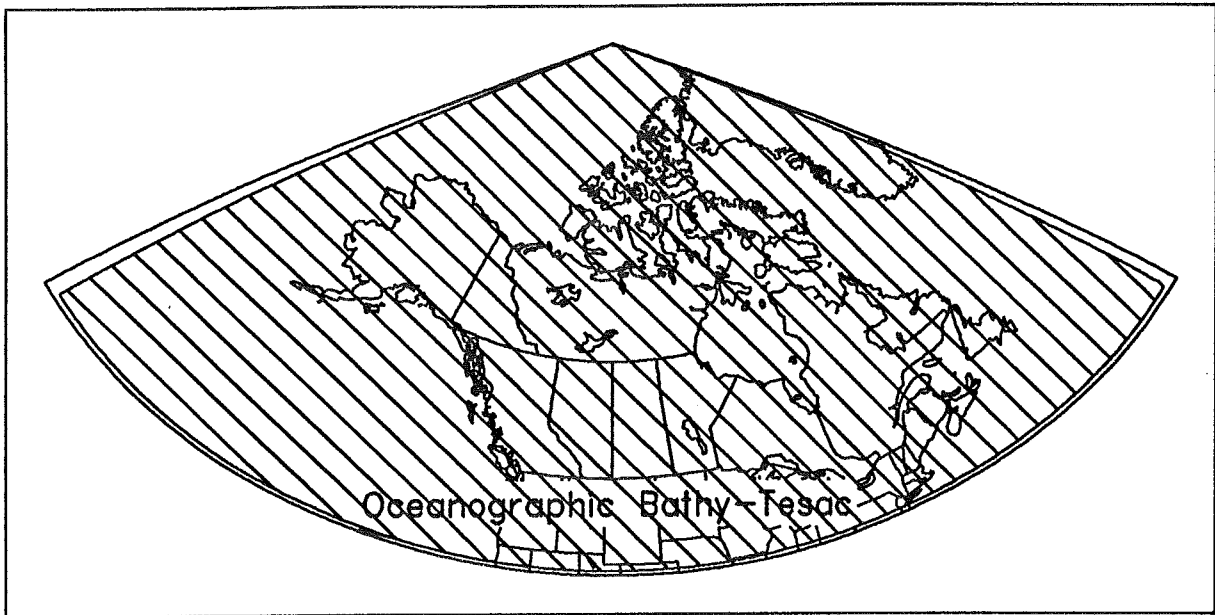
16. Map:



17. Signature: Verified
Date: May 6, 1992

1. **Data Base Title:** Oceanographic Bathy-Tesac
2. **Contact Person:**
Mr. Roger Menard, Head
Realtime Archives Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent St
Ottawa, Ontario K1A 0E6
Tel (613) 990-025 Fax (613) 990-5510
3. **Purpose:**
Sequential-indexed base of realtime depth/temperature or depth/temperature/salinity observations by position (lat./long.) and data/time
4. **Access/Fees/Restrictions:**
Available to public with a disclaimer and subject to cost recovery as defined in the Financial Administration Act
5. **Geographical Coverage/Scale:**
All Oceans
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1978 to present/New data is acquired daily and updated
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Depth, temperature, salinity, soundings, wind and air temperature
10. **Sampling Procedures:**
Field measurements
11. **Program Type:**
Research and monitoring
12. **Size/Growth:**
31 Megabytes; 200,000 stations; 13 attributes per record
13. **Environmental Legislation:**
N/A
14. **Computer System:**
DEC VAX 6320 Mainframe - VMS 5.4
15. **Comments:**

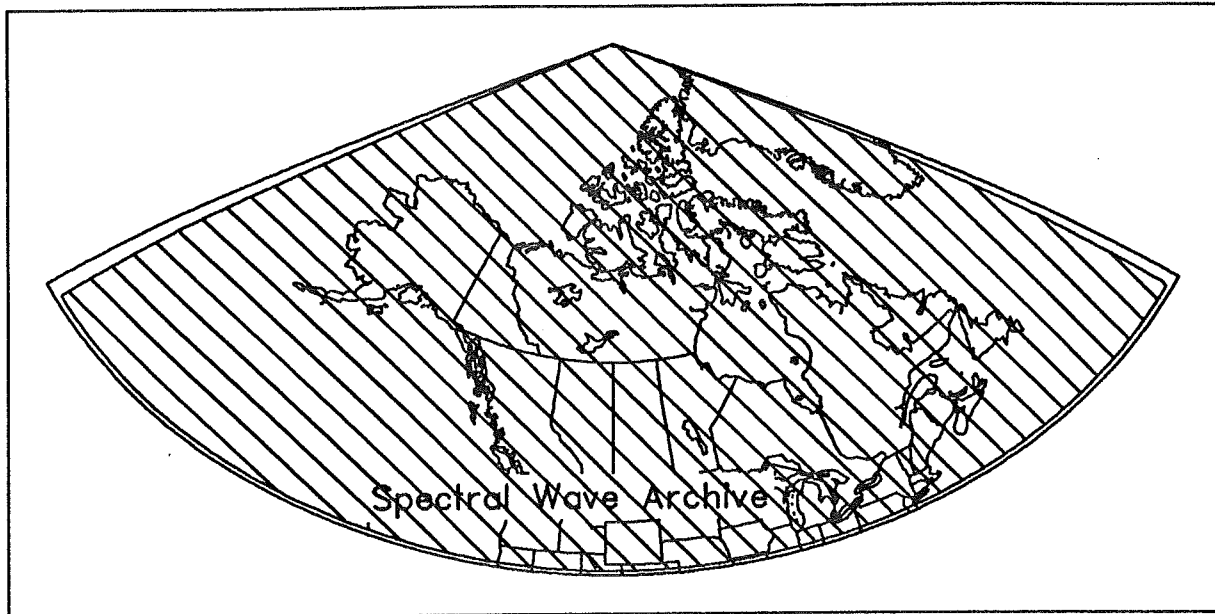
16. Map:



17. Signature: Verified
Date: May 6, 1992

1. **Data Base Title:** Spectral Wave Archive
2. **Contact Person:**
Mr. Don Spear, Head
Historical Archive Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent St
Ottawa, Ontario K1A 0E6
Tel (613) 990-024 Fax (613) 990-5510
3. **Purpose:**
Engineering studies, environmental assessments and emergency response
4. **Access/Fees/Restrictions:**
Available to public with a disclaimer and subject to cost recovery as defined in the Financial Administration Act
5. **Geographical Coverage/Scale:**
30 - 90° N, 40 - 180° W
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1970 to Present/Ongoing
8. **Format:**
Digital, hardcopy and plots
9. **Data Types/Parameters Measured:**
Energy spectra time series of 20 min duration
10. **Sampling Procedures:**
Site surveys
11. **Program Type:**
Research
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX 6320 - VMS 5.4
15. **Comments:**

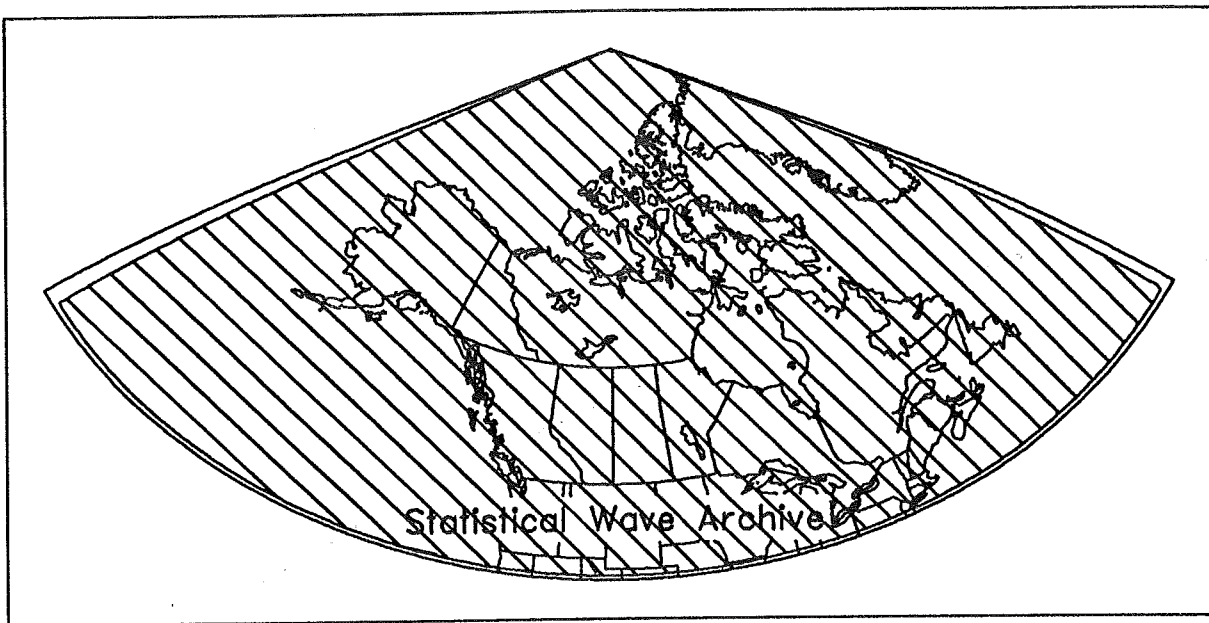
16. Map:



17. Signature: Verified
Date: May 11, 1992

1. **Data Base Title:** Statistical Wave Archive
2. **Contact Person:**
Mr. Don Spear, Head
Historical Archive Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent St
Ottawa, Ontario K1A 0E6
Tel (613) 990-024 Fax (613) 990-5510
3. **Purpose:**
Engineering studies, environmental assessments, climate change and emergency response
4. **Access/Fees/Restrictions:**
Available to public with a disclaimer and subject to cost recovery as defined in the Financial Administration Act
5. **Geographical Coverage/Scale:**
30 - 90° N, 40 - 180° W
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1970 to present
8. **Format:**
Digital, hardcopy and plots
9. **Data Types/Parameters Measured:**
Wave height and peak period
10. **Sampling Procedures:**
Site surveys
11. **Program Type:**
Research
12. **Size/Growth:**
Under development
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX 6320 - VMS 5.4
15. **Comments:**

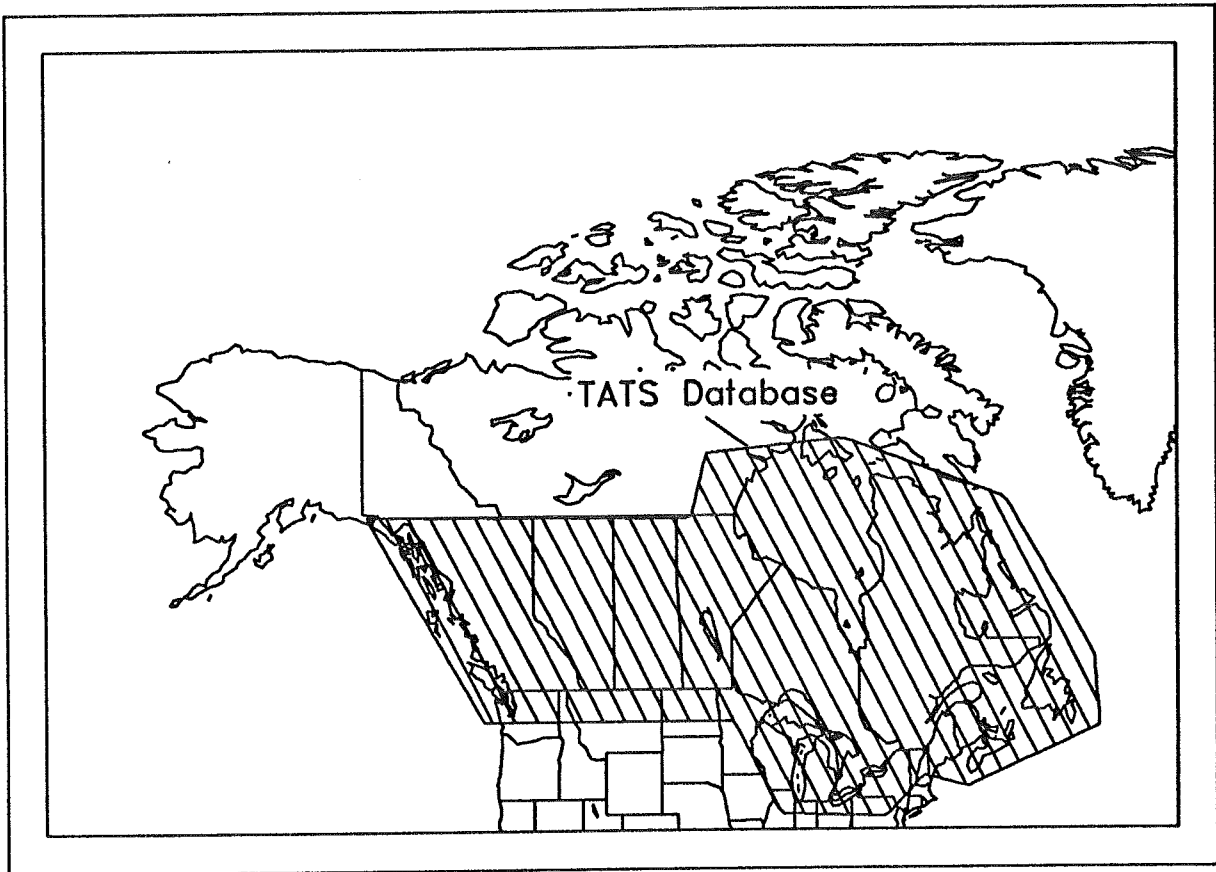
16. Map:



17. Signature: Verified
Date: May 13, 1992

1. **Data Base Title:** TATS Data base
2. **Contact Person:**
Mr. Roger Menard, Head
Realtime Archives Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent St
Ottawa, Ontario K1A 0E6
Tel (613) 990-025 Fax (613) 990-5510
3. **Purpose:**
Research/study and/or applications for Geodesy, hydrography, hydrology, recreational, water transportation and wildlife (aquatic)
4. **Access/Fees/Restrictions:**
Available to the public with a disclaimer and subject to cost recover as defined in the Financial Administration Act
5. **Geographical Coverage/Scale:**
East and west coast, Great lakes, St. Lawrence and Hudson Bay
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
Mid 1970's to present/ new data acquired and added daily
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
15 minute water elevation
10. **Sampling Procedures:**
Field measurements
11. **Program Type:**
Monitoring and mapping
12. **Size/Growth:**
75 Megabytes; 5 attributes per record
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX 6320 Mainframe - VMS 5.4
15. **Comments:**

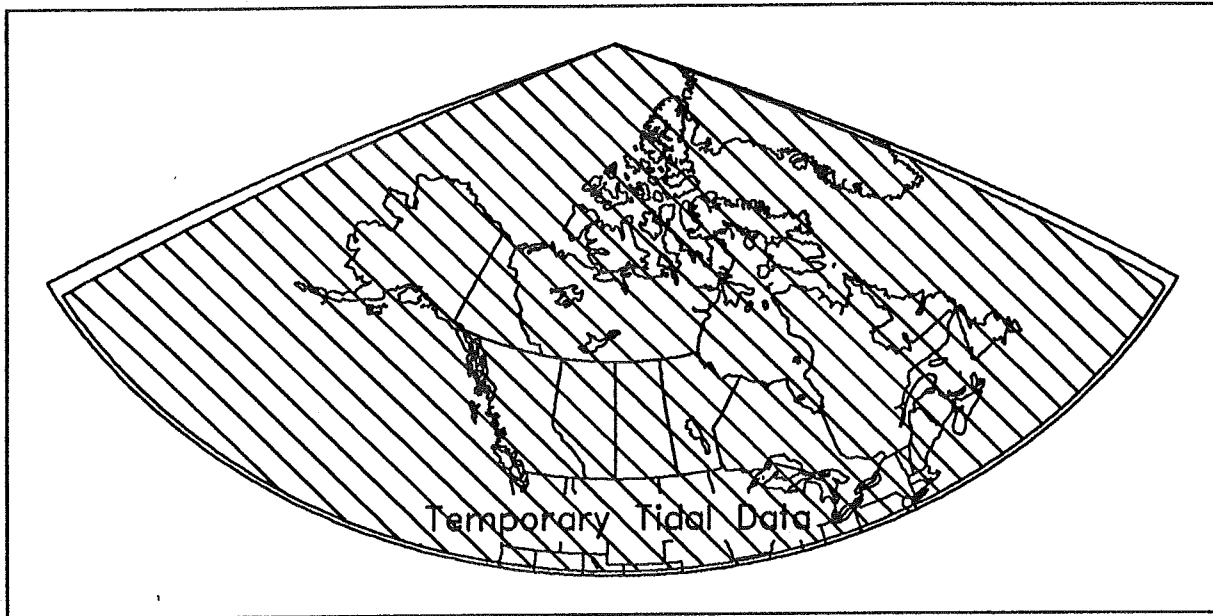
16. Map:



17. Signature: Verified
Date: May 12, 1992

1. **Data Base Title:** Temporary Tidal Data
2. **Contact Person:**
Mr. Don Mitchell, Head
Tidal Predictions & Data Inventory Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent Street
Ottawa, Ontario K1A 0E6
Tel (613) 990-025 Fax (613) 990-5510
3. **Purpose:**
Used for harmonic analyses to determine constituents so that tidal predictions can be produced. Also used to fill requests for specific data
4. **Access/Fees/Restrictions:**
Available to the public with a disclaimer and subject to cost recovery as defined in the Financial Administration Act
5. **Geographical Coverage/Scale:**
Canadian waters, coastal and inland
6. **Geographic Referencing:**
Station number, can be located by latitude and longitude coordinates
7. **Period of Record/Update Frequency:**
1900 to present/ ongoing
8. **Format:**
Digital and hardcopy
9. **Data Types/Parameters Measured:**
Hourly heights of tide
10. **Sampling Procedures:**
On site survey
11. **Program Type:**
Mapping, monitoring, research and surveys
12. **Size/Growth:**
Disc - 20.68, Tapes - 16/ 3% annual growth
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX 6320 - VMS 5.4
15. **Comments:**

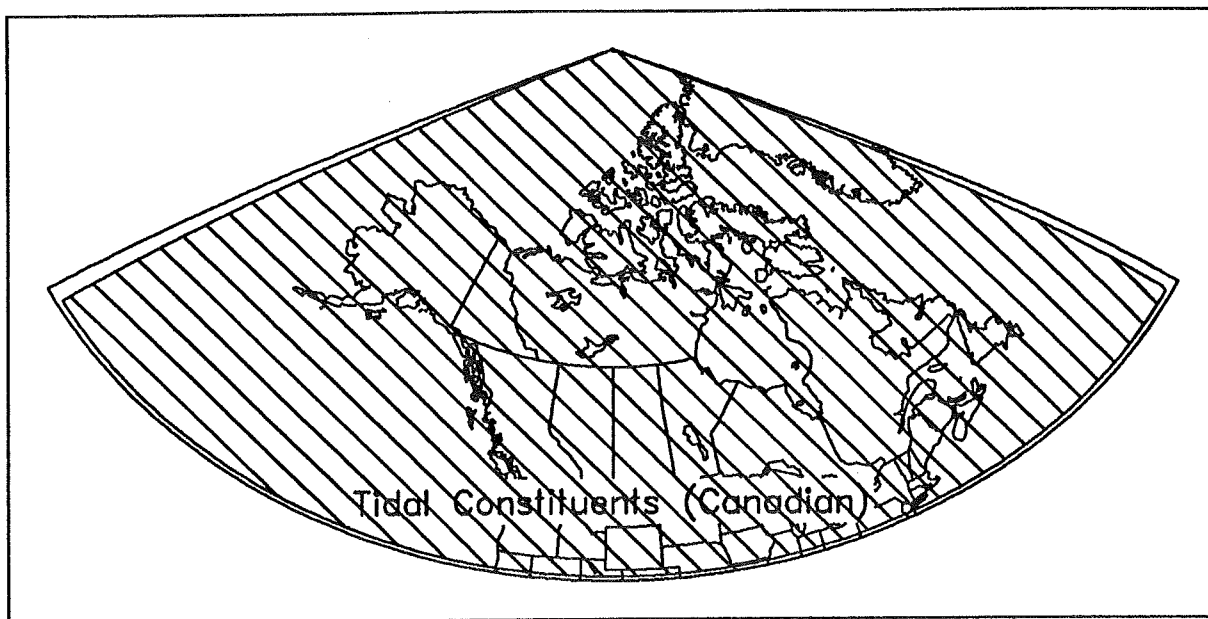
16. Map:



17. Signature: Verified
Date: May 12, 1992

1. **Data Base Title:** Tidal Constituents (Canadian)
2. **Contact Person:**
Mr. Don Mitchell, Head
Tidal Predictions & Data Inventory Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent Street
Ottawa, Ontario K1A 0E6
Tel (613) 990-025 Fax (613) 990-5510
3. **Purpose:**
Tidal Constituents data base
4. **Access/Fees/Restrictions:**
Available to the Public with a disclaimer and subject to cost recovery as defined in the Financial Administration Act
5. **Geographical Coverage/Scale:**
Canada wide
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Temporary observations, range 2 weeks to 1 year
8. **Format:**
Map Data: scale not available, Point Data: accuracy not available Tape,Floppy
Disk,Hardcopy
9. **Data Types/Parameters Measured:**
Hydrography/Available of Request
10. **Sampling Procedures:**
On site surveys
11. **Program Type:**
Surveys
12. **Size/Growth:**
On-going compilation/ 3% per year
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: VAX
Operating System: VMS
In-house software
15. **Comments:**

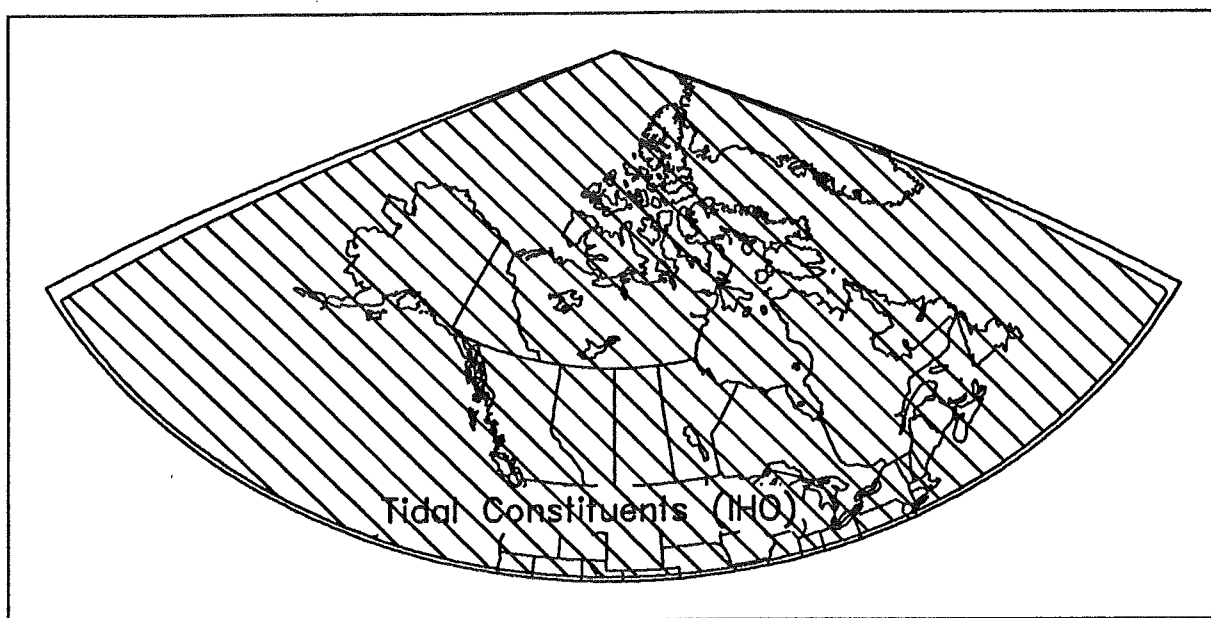
16. Map:



17. Signature: Verified
Date: May 12, 1992

1. **Data Base Title:** Tidal Constituents (IHO)
2. **Contact Person:**
Mr. Don Mitchell, Head
Tidal Predictions & Data Inventory Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent Street
Ottawa, Ontario K1A 0E6
Tel (613) 990-025 Fax (613) 990-5510
3. **Purpose:**
International Hydrographic Organization constituent data bank. Residing in Canada for member states use
4. **Access/Fees/Restrictions:**
Free to member states; dissemination approved by member states
5. **Geographical Coverage/Scale:**
World wide
6. **Geographic Referencing:**
Coordinate system
7. **Period of Record/Update Frequency:**
Varies
8. **Format:**
Digital and hardcopy
9. **Data Types/Parameters Measured:**
Harmonic components that form the tide
10. **Sampling Procedures:**
Temporary chronological observations ranging from a few days to couple of years
11. **Program Type:**
Surveys
12. **Size/Growth:**
21 Megabytes; 4118 records; average of 30 attributes per record up to 130
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX - VMS
15. **Comments:**

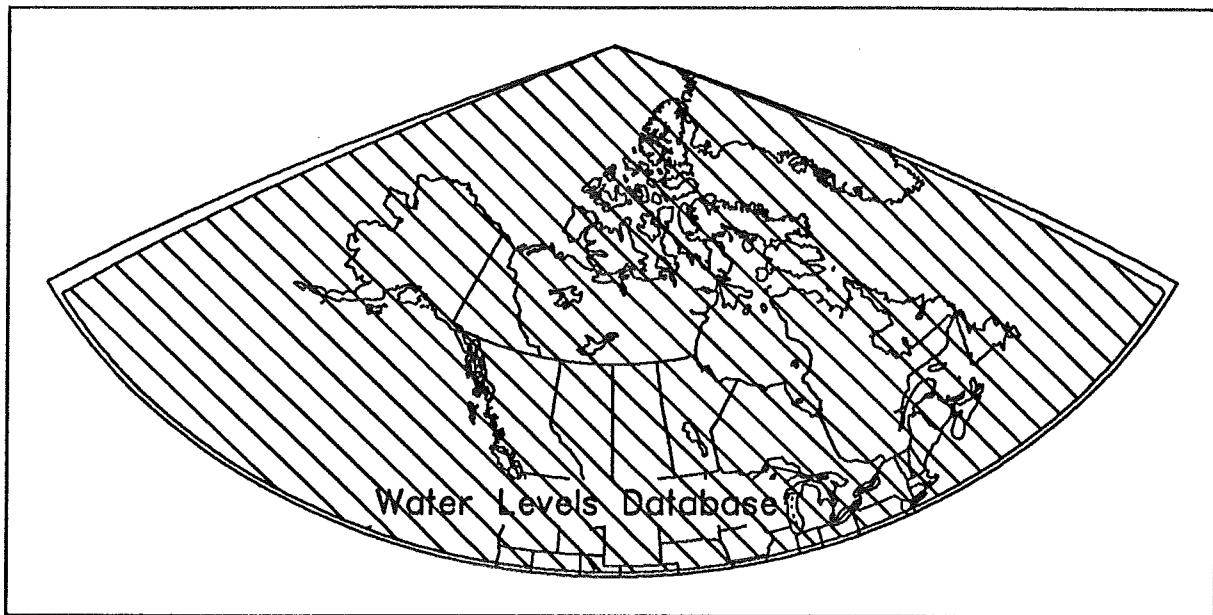
16. Map:



17. Signature: Verified
Date: May 12, 1992

1. **Data Base Title:** Water Levels Data Base
2. **Contact Person:**
Mr. Don Spear, Head
Historical Archive Section
Marine Environmental Data Service
Department of Fisheries and Oceans
1202 - 200 Kent St
Ottawa, Ontario K1A 0E6
Tel (613) 990-024 Fax (613) 990-5510
3. **Purpose:**
Marine engineering oceanographic studies, tidal analysis and predictions
4. **Access/Fees/Restrictions:**
Available to the public with a disclaimer and subject to cost recovery as defined in the Financial Administration Act
5. **Geographical Coverage/Scale:**
All Canadian Coastlines & Great Lakes, St. Lawrence Seaway
6. **Geographic Referencing:**
Station Number
7. **Period of Record/Update Frequency:**
1896 to present/ ongoing
8. **Format:**
Digital, hardcopy and plots
9. **Data Types/Parameters Measured:**
1896-1960 daily mean elevations. 1961 to present hourly height elevations
10. **Sampling Procedures:**
Site surveys
11. **Program Type:**
Monitoring and research
12. **Size/Growth:**
1500 Megabytes
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX 6320 - VMS 5.4
15. **Comments:**

16. Map:

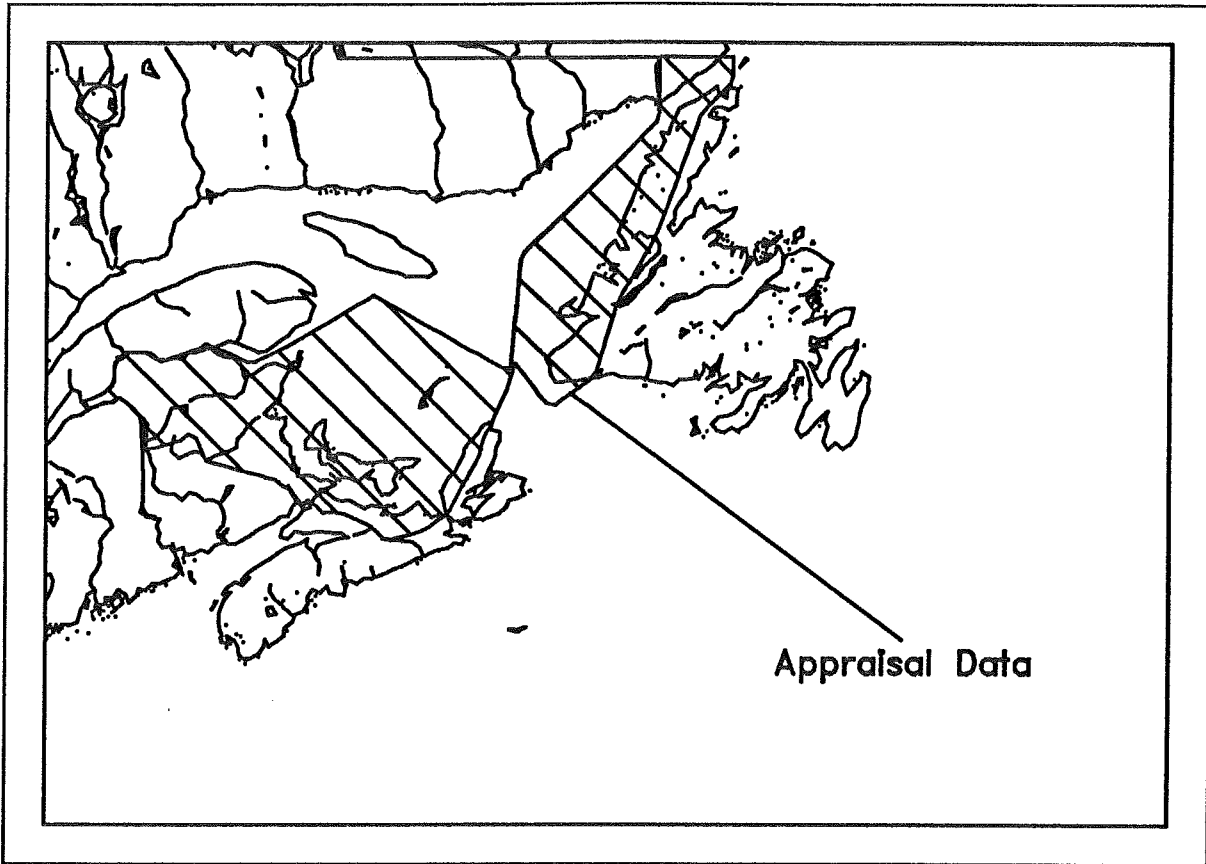


17. Signature: Verified
Date: May 11, 1992

Personnel Branch Gulf Region

1. **Data Base Title:** Appraisal Data
2. **Contact Person:**
Richard Perron
Human Resources Division
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-697 Fax (506) 851-7732
3. **Purpose:**
To assess the completion rate of appraisals
4. **Access/Fees/Restrictions:**
N/A.
5. **Geographical Coverage/Scale:**
Gulf Region
6. **Geographic Referencing:**
Communities
7. **Period of Record/Update Frequency:**
On going based on fiscal year
8. **Format:**
Digital and hardcopy
9. **Data Types/Parameters Measured:**
Name, SIN, position, group, level and data of appraisal
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Monitoring
12. **Size/Growth:**
650
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC 386
15. **Comments:**

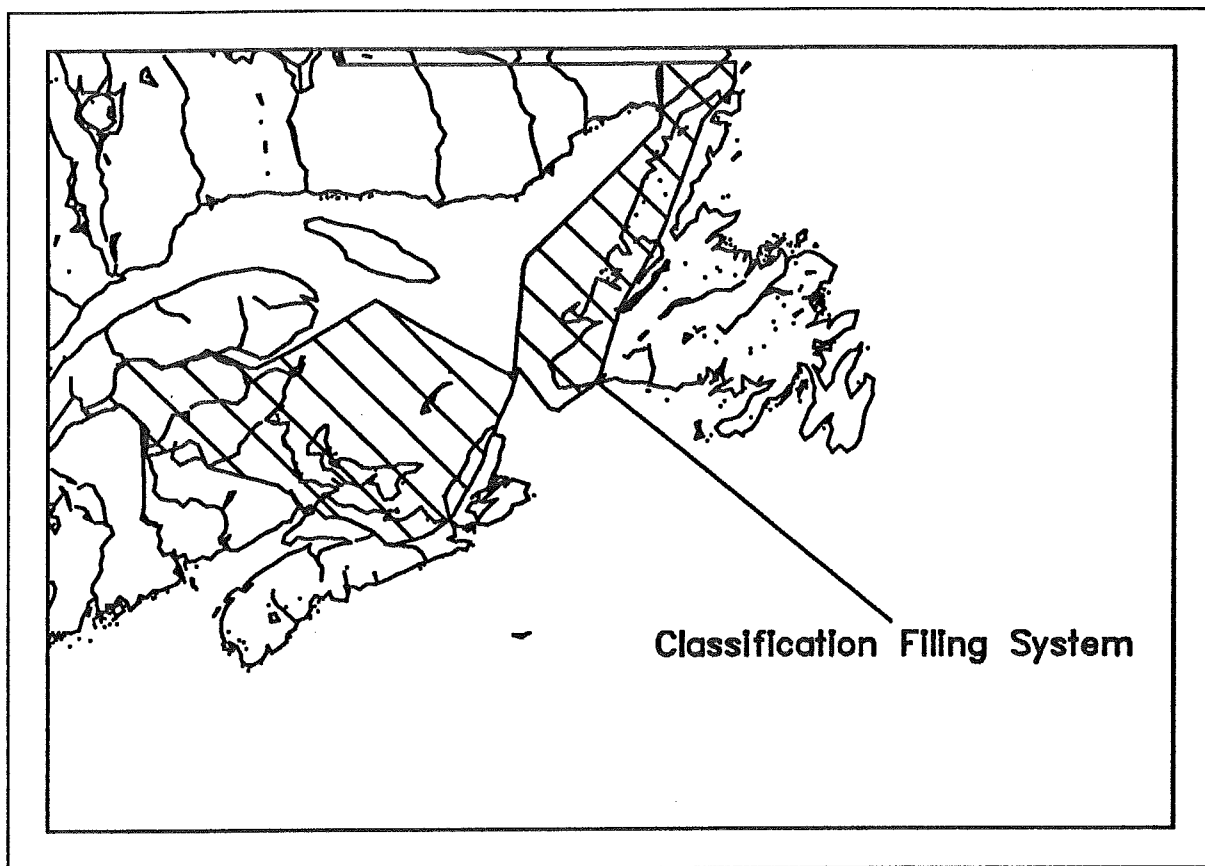
16. Map:



17. Signature: Verified
Date: May 25, 1992

1. **Data Base Title:** Classification Filing System
2. **Contact Person:**
Odette LeBlanc
EDP Systems & Classification Assistant
Personnel Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-696 Fax (506) 851-7732
3. **Purpose:**
Original data/documentation on all positions
4. **Access/Fees/Restrictions:**
Limited access
5. **Geographical Coverage/Scale:**
Gulf Region
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
1981 to present/daily updates
8. **Format:**
Hardcopy
9. **Data Types/Parameters Measured:**
All original documentation related to the position, i.e. Request for Classification Action, PAS, organization chart, Official Languages Input Form, Classification Rationale and Classification Action Form (TBC 330-167A)
10. **Sampling Procedures:**
N/A
11. **Program Type:**
N/A
12. **Size/Growth:**
Approximately 800 records, daily updates, less than 1% annual growth
13. **Environmental Legislation:**
N/A
14. **Computer System:**
N/A
15. **Comments:**

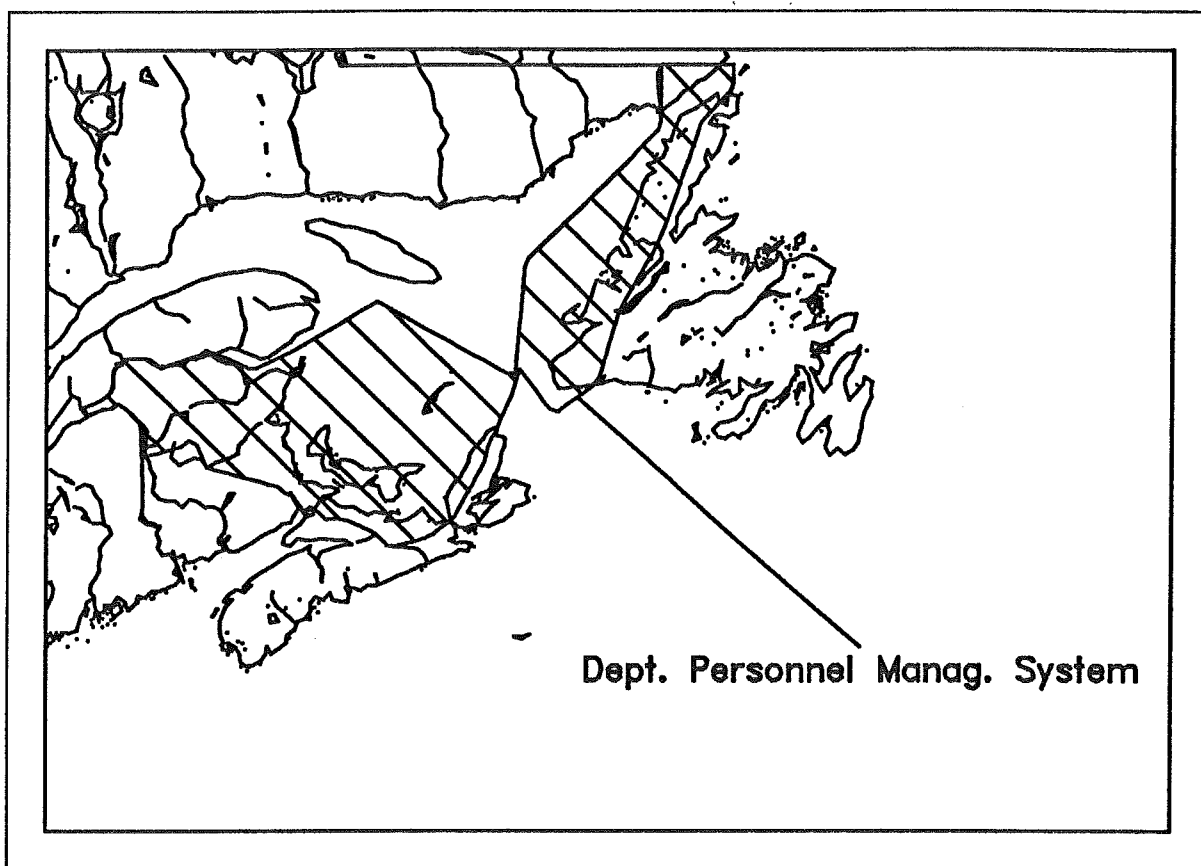
16. **Map:**



17. **Signature:** Verified
Date: May 25, 1992

1. **Data Base Title:** Departmental Personnel Management System (DPMS)
2. **Contact Person:**
Odette LeBlanc/Denise Bourgeois
Personnel Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-696/(506) 851-6960 Fax (506) 851-7732
3. **Purpose:**
Personnel information management
4. **Access/Fees/Restrictions:**
Protected information/Branch billed yearly based on number of positions in system/limited access
5. **Geographical Coverage/Scale:**
Gulf Region
6. **Geographic Referencing:**
By community
7. **Period of Record/Update Frequency:**
1981 to present/daily update
8. **Format:**
Digital and some in hardcopy
9. **Data Types/Parameters Measured:**
Classification data, pay data, official languages data and appraisal data
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 800 records; updated daily; less than 1% annual growth
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Mainframe in Ottawa, DBMS (dBase)
15. **Comments:**

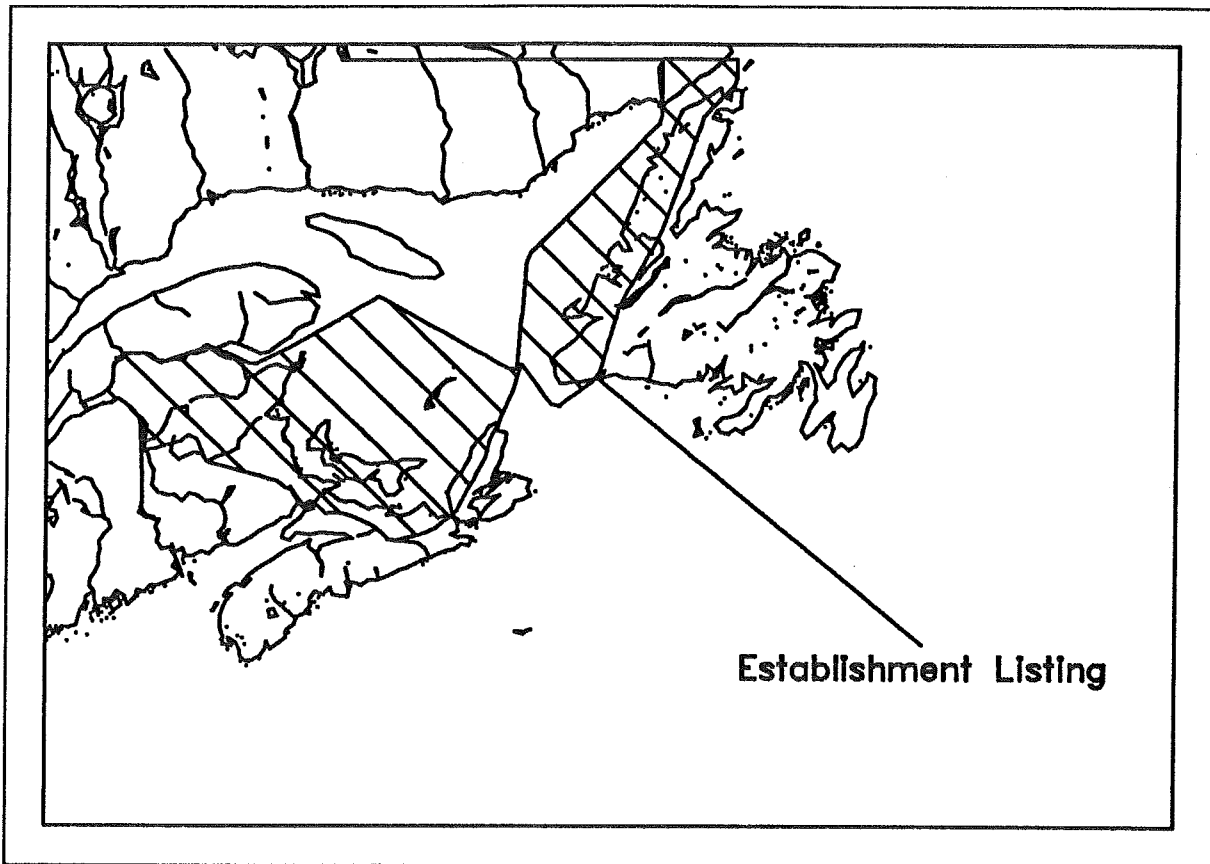
16. Map:



17. Signature: Verified
Date: May 25, 1992

1. **Data Base Title:** Establishment Listing
2. **Contact Person:**
Odette LeBlanc
EDP Systems & Classification Assistant
Personnel Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-696 Fax (506) 851-7732
3. **Purpose:**
List of active positions
4. **Access/Fees/Restrictions:**
Undetermined access
5. **Geographical Coverage/Scale:**
Gulf Region
6. **Geographic Referencing:**
By community
7. **Period of Record/Update Frequency:**
1981 to present/daily update
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Position number, group/level, position title, geographic location, date created, term expiry
data, data due for review
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 800 records; updated daily; less than 1% annual growth
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC 386/25, Wordperfect
15. **Comments:**
Partial duplicate of DBMS on Ottawa mainframe

16. Map:



17. Signature:

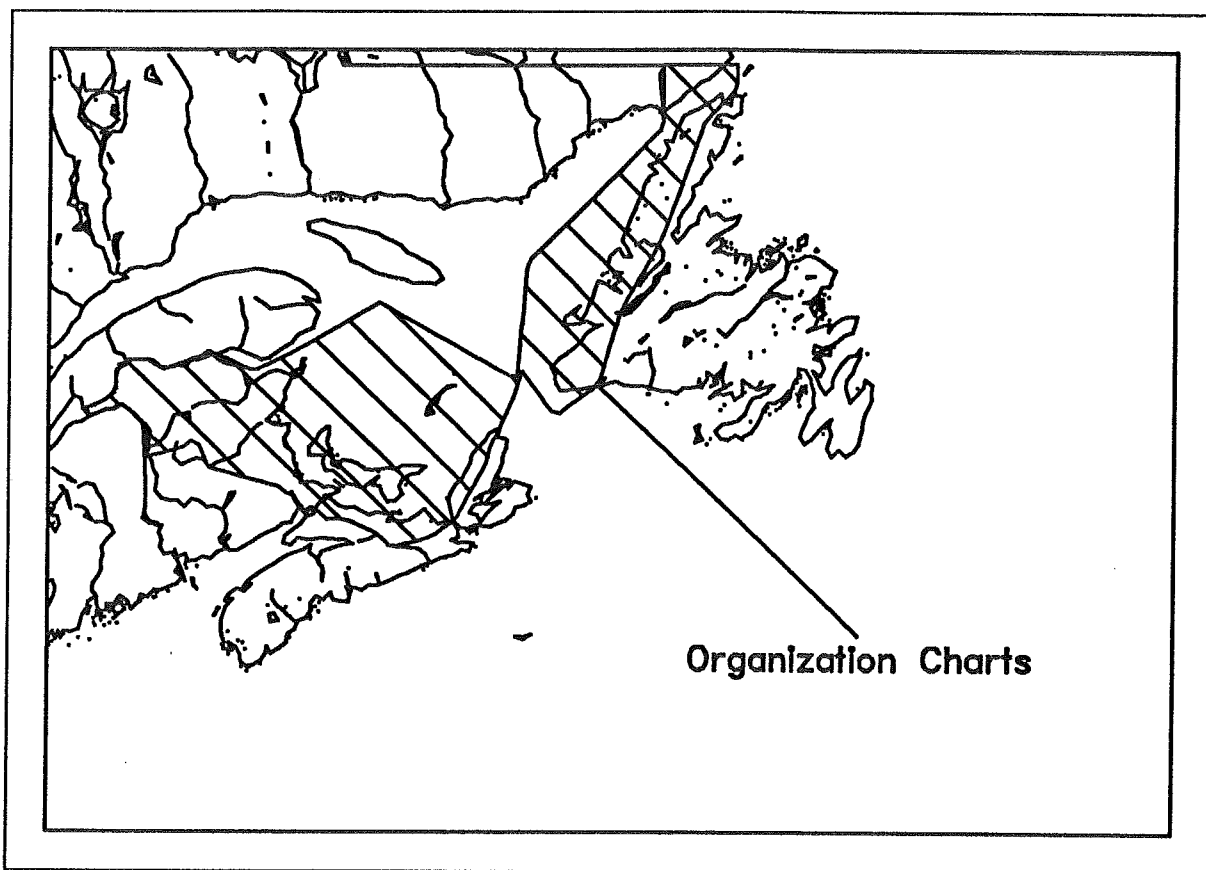
Verified

Date:

May 25, 1992

1. **Data Base Title:** Organization Charts
2. **Contact Person:**
Odette LeBlanc
EDP Systems & Classification Assistant
Personnel Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-696 Fax (506) 851-7732
3. **Purpose:**
Control of Organization Charts
4. **Access/Fees/Restrictions:**
Limited access
5. **Geographical Coverage/Scale:**
Gulf Region
6. **Geographic Referencing:**
By Branch/Area Offices/community
7. **Period of Record/Update Frequency:**
Current
8. **Format:**
Digital and hardcopy
9. **Data Types/Parameters Measured:**
Block style charts containing position title, geographic location, group and level of position and incumbent name, seasonals are identified with and (s)
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 800 records, updated daily, less than 1% annual growth
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC 386/2, Wordperfect
15. **Comments:**

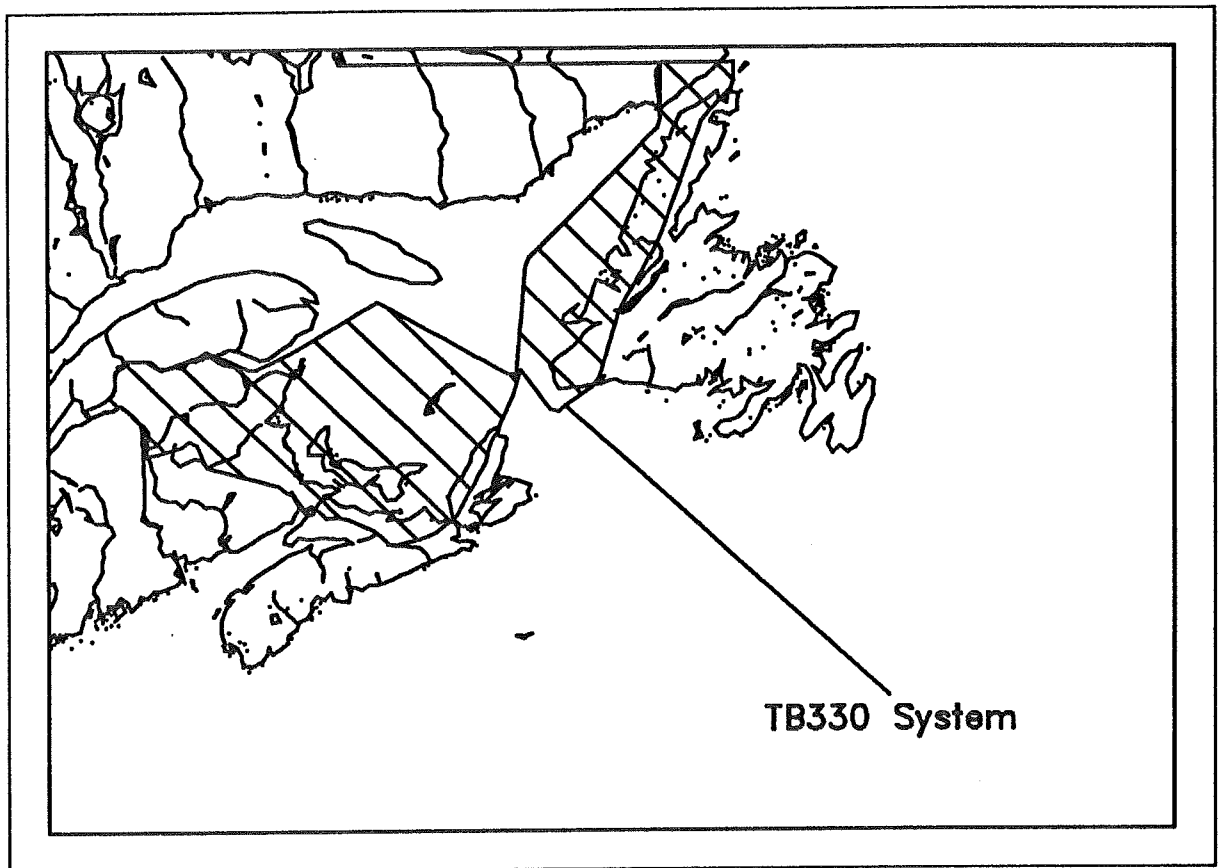
16. Map:



17. Signature: Verified
Date: May 25, 1992

1. **Data Base Title:** TB330 System/Point Ratings System
2. **Contact Person:**
Odette LeBlanc
EDP Systems & Classification Assistant
Personnel Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-696 Fax (506) 851-7732
3. **Purpose:**
Record of last classification action on each position/current point rating, group and level
4. **Access/Fees/Restrictions:**
Limited access
5. **Geographical Coverage/Scale:**
Gulf Region
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
1981 to present (current information only)
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Location number, title group and level, point rating and effective data
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 800 records, daily update, less than 1% annual growth
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC 386/25, dBase program from Ottawa
15. **Comments:**
Partial duplicate of the DPMS system on Ottawa mainframe

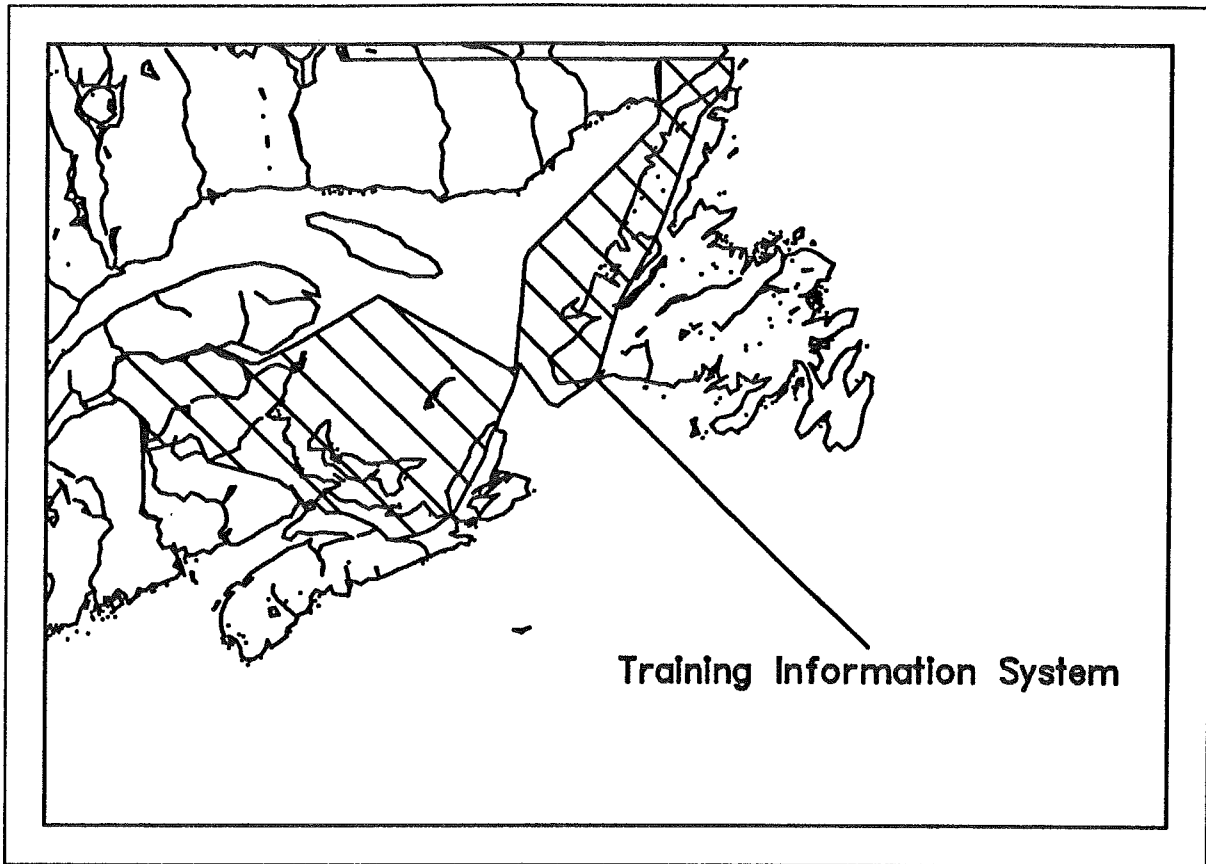
16. Map:



17. Signature: Verified
Date: May 25, 1992

1. **Data Base Title:** Training Information System
2. **Contact Person:**
Richard Perron
Human Resources Division
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-697 Fax (506) 851-7732
3. **Purpose:**
Record of training occurrences
4. **Access/Fees/Restrictions:**
N/A
5. **Geographical Coverage/Scale:**
Gulf Region
6. **Geographic Referencing:**
Communities
7. **Period of Record/Update Frequency:**
On going based on fiscal year
8. **Format:**
Digital and hardcopy
9. **Data Types/Parameters Measured:**
Name, SIN, location of training, duration, expenses, position, group and level
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Monitoring
12. **Size/Growth:**
500
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC 386. dBase
15. **Comments:**

16. Map:

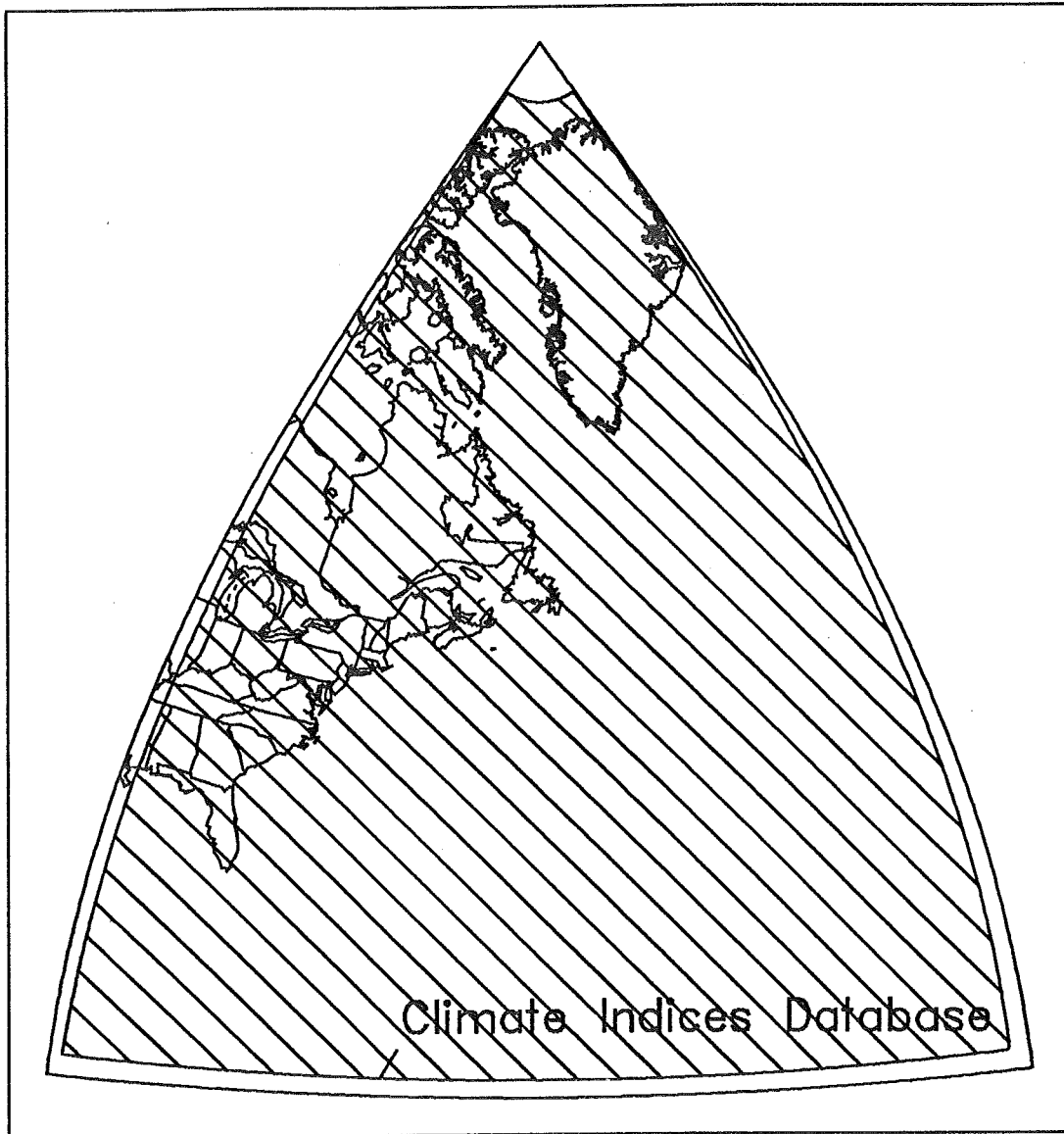


17. Signature: Verified
Date: May 25, 1992

Physical Chemical Sciences Branch Scotia-Fundy Region

1. **Data Base Title:** Climate Indices Data Base
2. **Contact Person:**
Ken Drinkwater, Research Scientist
Physical and Chemical Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-265 Fax (902) 426-7827
3. **Purpose:**
Scientific research
4. **Access/Fees/Restrictions:**
Through contact person/none at present/none
5. **Geographical Coverage/Scale:**
North Atlantic Ocean with emphasis on Northwest Continental Shelves. 10 -
90° N, 20° E -
90° W
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
Varies with data sets. Air temperature at some sites include data from 1780 to
present/monthly to annually depending on data set
8. **Format:**
ASCII computer files, digital, hardcopy and reports
9. **Data Types/Parameters Measured:**
Monthly or annual values of selected oceanographic, meteorological and hydrological data
sets. Oceanographic Variables: Sea surface temperature Temperature and salinity
profiles Position of oceanic fronts Sea ice and icebergs Meteorological Air temperatures Air
pressures Hydrological River runoff
10. **Sampling Procedures:**
Historical data
11. **Program Type:**
Research
12. **Size/Growth:**
of time series - 200-300
13. **Environmental Legislation:**
N/A
14. **Computer System:**
CDC Cyber, IBM Compatible PC, In-house software
15. **Comments:**
A data report on the climate data bases including graphical displays and a diskette with the
data is planned for publication in 1992

16. Map:

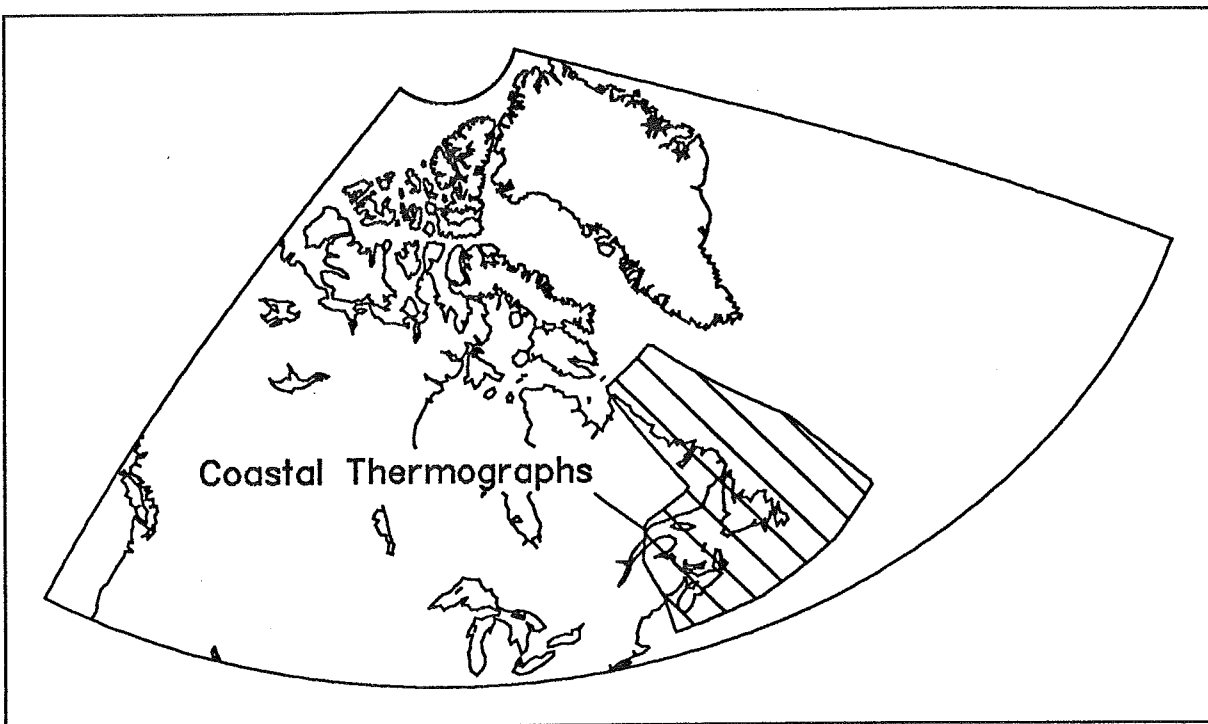


17. Signature: Verified
Date: May 25, 1992

1. **Data Base Title:** Coastal Thermographs
2. **Contact Person:**
Doug Gregory, Head
Data Management
Physical and Chemical Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4E2
Tel (902) 426-893 Fax (902) 426-2256
3. **Purpose:**
In support of Physical Oceanographic programs on living resources and ocean climate
4. **Access/Fees/Restrictions:**
No Policy/ Incremental cost @ \$25/hr technical @ \$40/hr professional
5. **Geographical Coverage/Scale:**
Atlantic Canada
6. **Geographic Referencing:**
Latitude and Longitude (point data)
7. **Period of Record/Update Frequency:**
1978 to present/ Ongoing compilation
8. **Format:**
Tape - 1600,6250 - BPI ASCII
Floppy Disk - Dos 3.5" and 5.25"
Hardcopy
9. **Data Types/Parameters Measured:**
Fisheries Science
Oceanography - Physical
Physical oceanographic support for shellfish studies and aquaculture.
inshore temperature time series.
10. **Sampling Procedures:**
On site moored instruments
11. **Program Type:**
Research
12. **Size/Growth:**
2500 locations, ≈100 deployments annually
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: CDC Cyber
Operating System: NOSVE

15. **Comments:**
Inshore shallow water temperature time series, Scotia-Fundy and Gulf 1978- present, Newfoundland 1978-1987 (more recent data for Newfoundland region available from Northwest Atlantic Fisheries Centre, NWAFC)

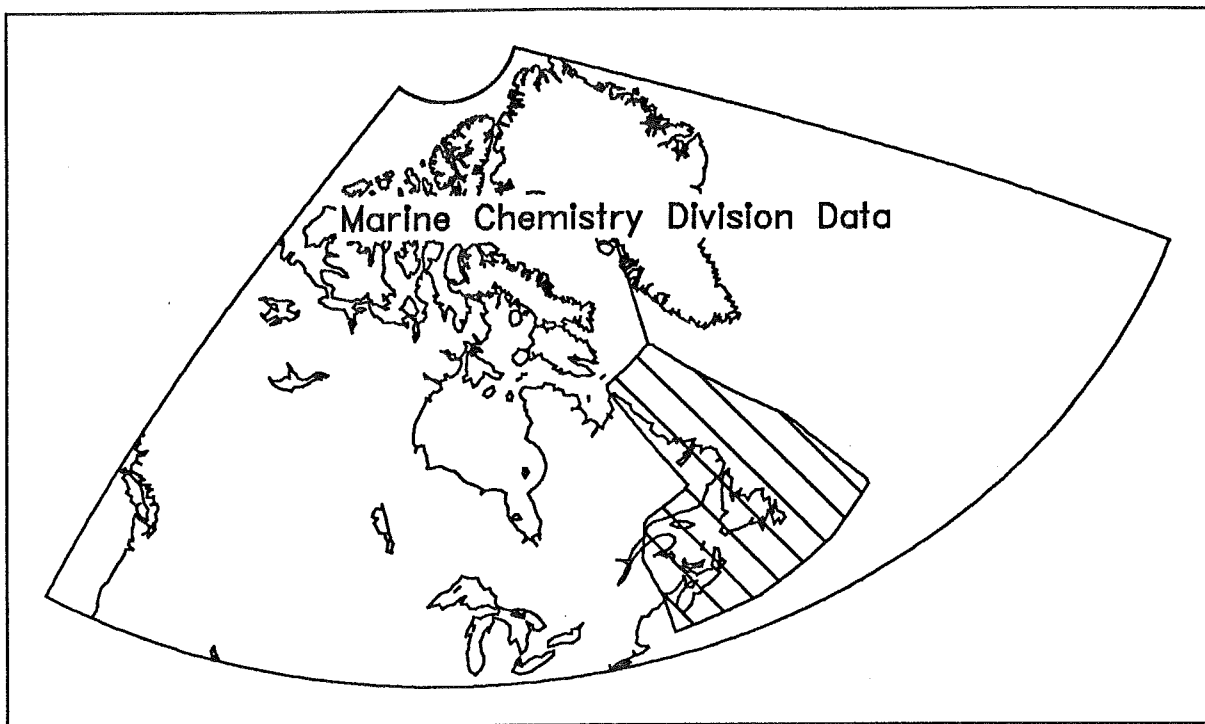
16. **Map:**



17. **Signature:** Verified
Date: May 12, 1992

1. **Data Base Title:** Data Holdings - Marine Chemistry Division, DFO
2. **Contact Person:**
Dr. J.M. Bowers
Marine Chemistry Division
Physical and Chemical Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-237 Fax (902) 426-7827
3. **Purpose:**
To maintain data related to contaminants in fish and in fish habitat collected by the Marine Chemistry Division
4. **Access/Fees/Restrictions:**
Through contact person/May be a fee for larger requests/May be restrictions on unverified or uninterpreted data
5. **Geographical Coverage/Scale:**
Scotia-Fundy Region. Atlantic Provinces - offshore and coastal areas including the region from George's Bank to the Labrador Shelf
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1970 to present/Variable
8. **Format:**
Hard-copy, reports, publications and files
9. **Data Types/Parameters Measured:**
Physical, Chemical/ Dissolved oxygen, salinity, temperature; trace metals, radionuclides, organic matter, petroleum hydrocarbons, nutrients
10. **Sampling Procedures:**
Oceanographic Cruises - water column samplers, grab samplers for sediments. Coastal and freshwater survey results (water and sediments). Coring for geochronological measurements
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
CEPA Part VI, Fisheries Act
14. **Computer System:**
IBM Compatible PC (under development)
15. **Comments:**
Good baseline data for offshore areas, radionuclide data collected near the Pt. Lepreau Nuclear Power Station, Contaminant investigations at selected industrial sites

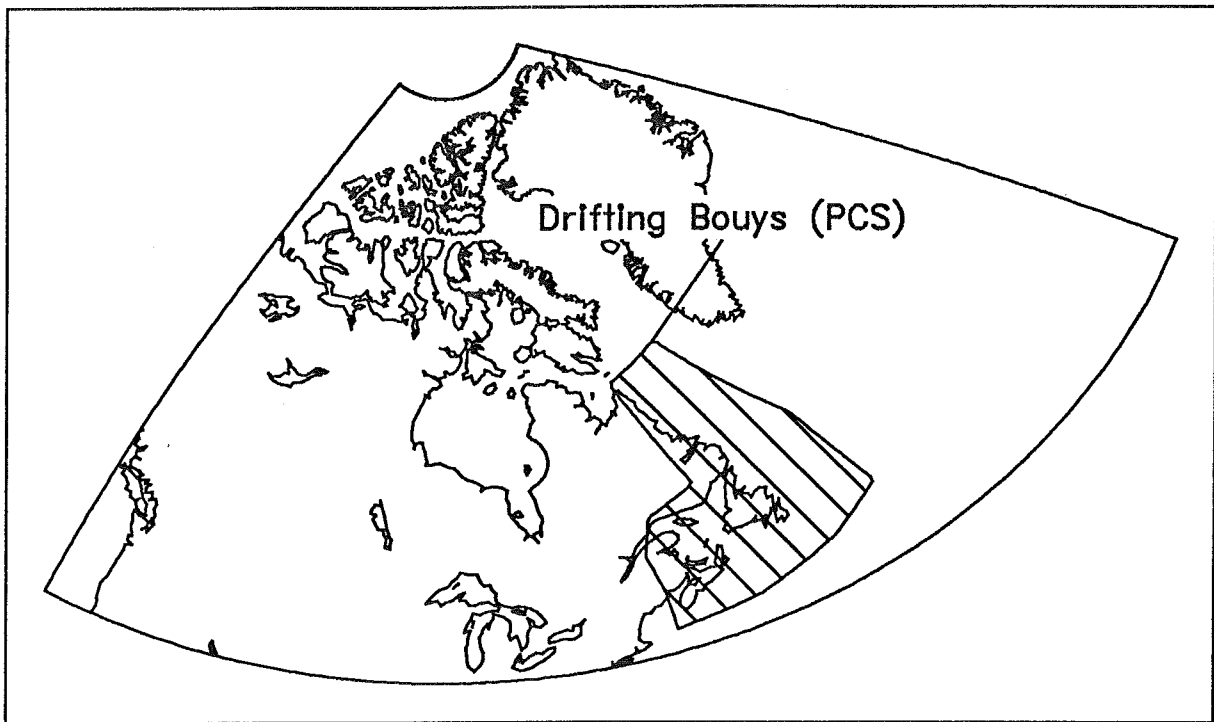
16. Map:



17. Signature: Verified
Date: May 20, 1992

1. **Data Base Title:** Drifting Buoys
2. **Contact Person:**
Doug Gregory, Head
Data Management
Physical and Chemical Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4E2
Tel (902) 426-893 Fax (902) 426-2256
3. **Purpose:**
In support of Physical Oceanographic programs on ocean climate, off-shore energy, and living resources
4. **Access/Fees/Restrictions:**
No Policy. Incremental cost @ \$25/hr technical @ \$40/hr professional
5. **Geographical Coverage/Scale:**
Canadian East coast and Eastern Arctic
6. **Geographic Referencing:**
Latitude and Longitude (point data)
7. **Period of Record/Update Frequency:**
1960 to present/ Ongoing compilation
8. **Format:**
Tape - 1600,6250 - BPI ASCII
Floppy Disk - Dos 3.5" and 5.25"
Hardcopy
9. **Data Types/Parameters Measured:**
Oceanography - Physical, current speed and direction
10. **Sampling Procedures:**
Argos system satellite tracked buoys (5-10 positions/day)
11. **Program Type:**
Research
12. **Size/Growth:**
4000 locations
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: CDC Cyber
Operating System: NOSVE
Commercial software - Oracle
In-house software
15. **Comments:**
Marine Environmental Data Service (MEDS) is a world data centre for drifting buoy data and should be the initial contact source. See MEDS entry in this directory

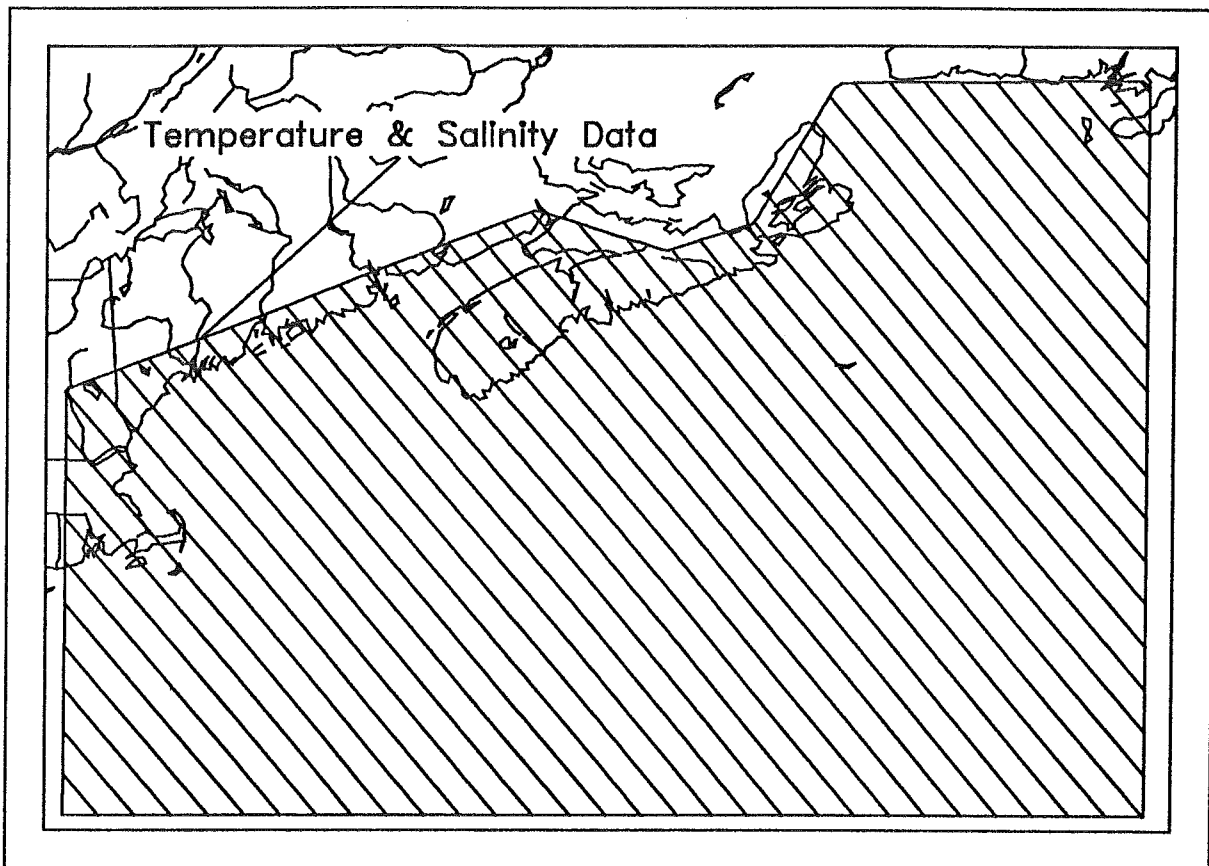
16. Map:



17. Signature: Verified
Date: May 12, 1992

1. **Data Base Title:** Historical Temperature and Salinity for the Scotian Shelf and the Gulf of Maine.
2. **Contact Person:**
Ken Drinkwater, Research Scientist
Physical and Chemical Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-265 Fax (902) 426-7827
3. **Purpose:**
Scientific research
4. **Access/Fees/Restrictions:**
Through contact person/none at present/none
5. **Geographical Coverage/Scale:**
Gulf of Maine, Scotian Shelf (38-48°N, 55-72° W)
6. **Geographic Referencing:**
Latitude and Longitude
7. **Period of Record/Update Frequency:**
1912 to present/Annually
8. **Format:**
ASCII computer files, digital, hardcopy and report
9. **Data Types/Parameters Measured:**
Temperature and salinity
10. **Sampling Procedures:**
Historical data collected from BT's, CTD's, Bottles, bathythermographs, conductivity-temperature-depth (CTD) profilers, batfish
11. **Program Type:**
Research and monitoring
12. **Size/Growth:**
of Records - 3,685,652; # of Profiles - 178,209;
of Megabytes - 137.9
13. **Environmental Legislation:**
N/A
14. **Computer System:**
CDC Cyber, VAX, Sable Stardent, In-house software
15. **Comments:**
Data base is still undergoing quality control. We hope it will be available for outside use on a routine basis within a year or so. In future we hope to have an on-line access capability

16. Map:

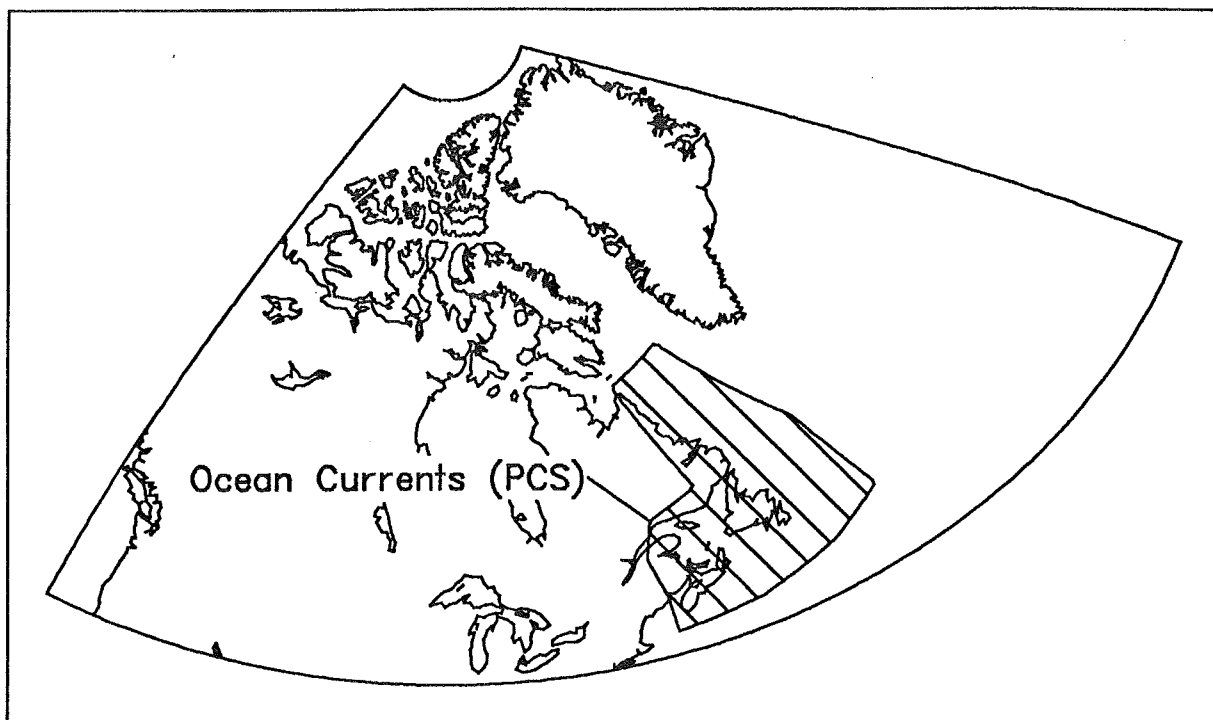


17. Signature: Verified
Date: May 25, 1992

1. **Data Base Title:** Ocean Currents
2. **Contact Person:**
Doug Gregory, Head
Data Management
Physical and Chemical Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4E2
Tel (902) 426-893 Fax (902) 426-2256
3. **Purpose:**
In support of Physical Oceanographic programs on ocean climate, off-shore energy and living resources
4. **Access/Fees/Restrictions:**
Some data from external sources may require approval prior to release. No restrictions on Department of Fisheries and Oceans data sets. Incremental cost @ \$25/hr technical @ \$40/hr professional
5. **Geographical Coverage/Scale:**
Canadian East coast and Eastern Arctic
6. **Geographic Referencing:**
Latitude and Longitude (point data)
7. **Period of Record/Update Frequency:**
1960 to present/ Ongoing compilation
8. **Format:**
Tape - 1600,6250 - BPI ASCII
Floppy Disk - Dos 3.5" and 5.25"
Hardcopy
9. **Data Types/Parameters Measured:**
Oceanography - Physical, current speed and direction
10. **Sampling Procedures:**
Moored instruments, various types and manufactures
11. **Program Type:**
Research
12. **Size/Growth:**
4000 time series, growth ≈75 sites/year
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: CDC Cyber
Operating System: NOSVE
Commercial software - Oracle
In-house software

15. **Comments:**

16. **Map:**



17. **Signature:**

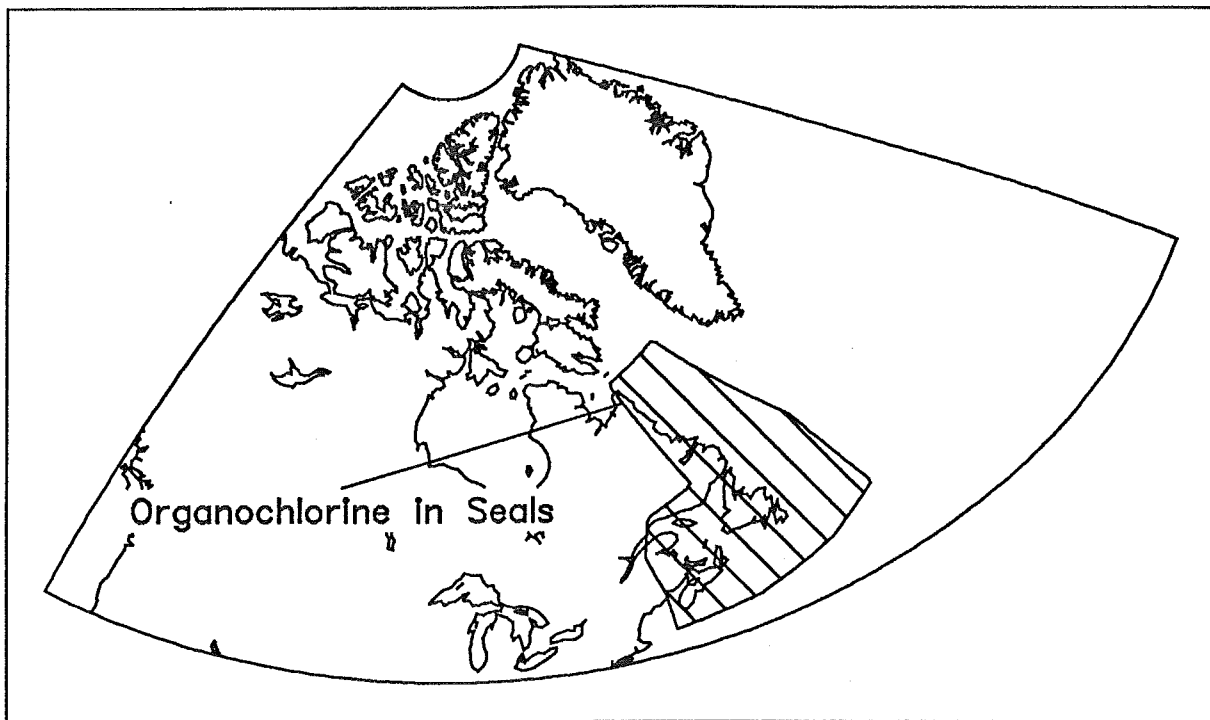
Verified

Date:

May 12, 1992

1. **Data Base Title:** Organochlorine Contaminant Residues and Transfers from Mother to Young in Seals
2. **Contact Person:**
Richard Addison
Marine Chemistry Division
Physical and Chemical Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-327 Fax (902) 426-7827
3. **Purpose:**
To examine the degree that body burdens reflect background levels of contaminants and to study extent to which plasma and mammary tissue acts as a barrier to the transfer of contaminants
4. **Access/Fees/Restrictions:**
Through contact person/None/None
5. **Geographical Coverage/Scale:**
Eastern Offshore - Sable Island, Gulf of St. Lawrence, Scotian Shelf, Arctic
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
1972 to present
8. **Format:**
Hard-copy files and publications and digital
9. **Data Types/Parameters Measured:**
Chemical, DDT, PCB, Mixed-Function Oxidase - enzyme activity in organs such as liver as a result of contaminant exposure
10. **Sampling Procedures:**
Samples collected in the field
11. **Program Type:**
Research and monitoring
12. **Size/Growth:**
30 records/site/year
13. **Environmental Legislation:**
Canadian Environmental Protection Act, Fisheries Act
14. **Computer System:**
IBM Compatible PC, Lotus 123, Cyber Mainframe
15. **Comments:**
Confidence in data is high. Contaminant body burdens also related to age and sex of individuals in each species. Research on physiology, energetics and biomechanics of marine mammals and their role in understanding the accumulation, processing, and transfer of contaminants

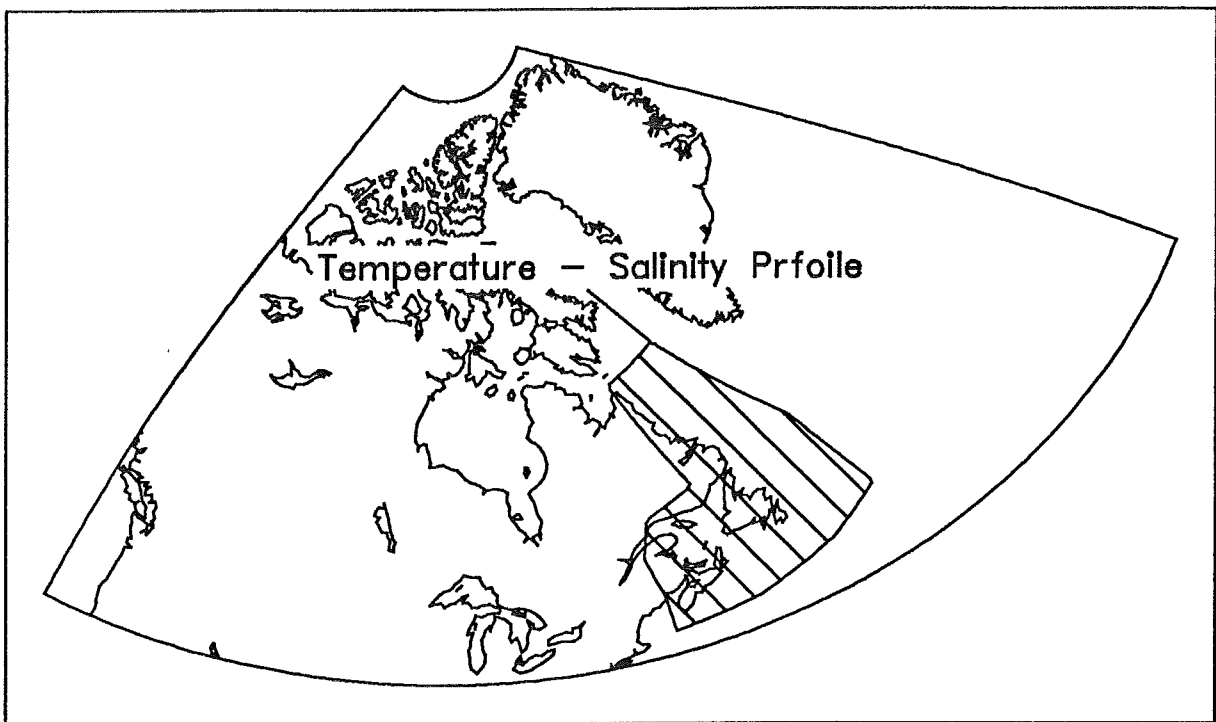
16. Map:



17. Signature: Verified
Date: May 19, 1992

1. **Data Base Title:** Temperature - Salinity Profile
2. **Contact Person:**
Doug Gregory, Head
Data Management
Physical and Chemical Sciences Branch
Department of Fisheries and Oceans
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4E2
Tel (902) 426-893 Fax (902) 426-2256
3. **Purpose:**
Physical oceanographic research programs on ocean climate, off-shore energy and living resources
4. **Access/Fees/Restrictions:**
No policy/ Incremental cost @ \$25/hr technical @ \$40/hr professional
5. **Geographical Coverage/Scale:**
N/A
6. **Geographic Referencing:**
Latitude and Longitude (point data)
7. **Period of Record/Update Frequency:**
1970 to present/ On-going compilation
8. **Format:**
Tape - 1600,6250 - BPI ASCII, floppy Disk - Dos 3.5" and 5.25" and hardcopy
9. **Data Types/Parameters Measured:**
Oceanography - Physical, Pressure, temperature and salinity profiles
10. **Sampling Procedures:**
CTD profiler
11. **Program Type:**
Research
12. **Size/Growth:**
≈ 18 000 profiles, growth ≈ 500 annually
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: CDC Cyber
Operating System: NOSVE
Commercial software - ORACLE
In-house software
15. **Comments:**
Marine Environmental Data Service (MEDS) is the national data centre for DFO and is the primary archival site for these data. They should be the initial contact source. See MEDS entry in this directory

16. Map:

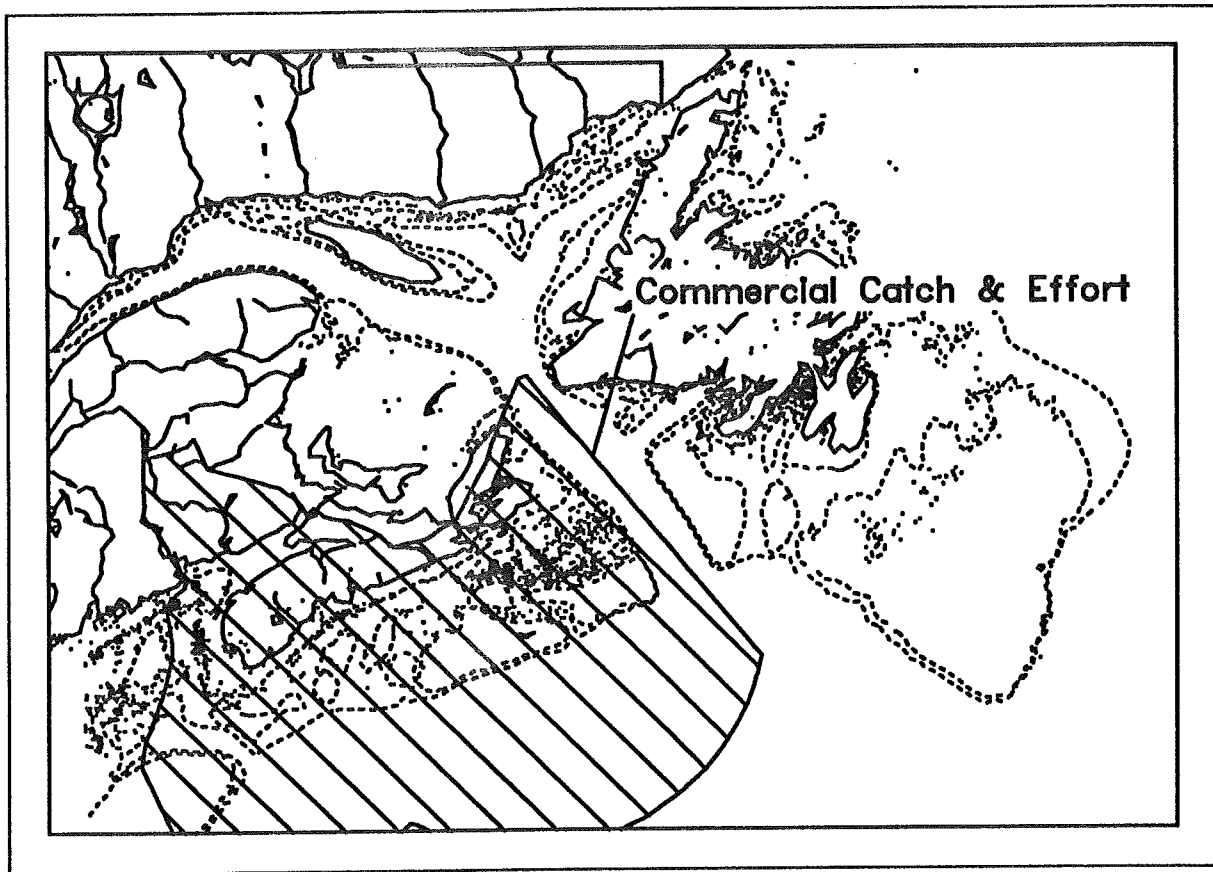


17. Signature: Verified
Date: May 12, 1992

Program Coordination and Economics Branch Scotia-Fundy Region

1. **Data Base Title:** Commercial Catch and Effort Scotia-Fundy Region
2. **Contact Person:**
Debbie Murphy, Chief
Statistics Division
Program Coordination and Economics Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, Nova Scotia B3J 2S7
Tel (902) 426-948 Fax (902) 426-3478
3. **Purpose:**
To compile catch statistics
4. **Access/Fees/Restrictions:**
Data sharing of catch effort data (at individual level) would only be possible with personal permission of the respondent. No pricing policy. Generally no charge for data at this time
5. **Geographical Coverage/Scale:**
All landings in Scotia-Fundy Region
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
On-going compilation.
8. **Format:**
Tape, floppy Disk and hardcopy
9. **Data Types/Parameters Measured:**
Available upon request
10. **Sampling Procedures:**
N/A. Population data
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 650 elements
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Host computer: HP 3000
Operating System: MPE-V will change to MPE-XL on April 30, 1992
In-house software
15. **Comments:**

16. Map:



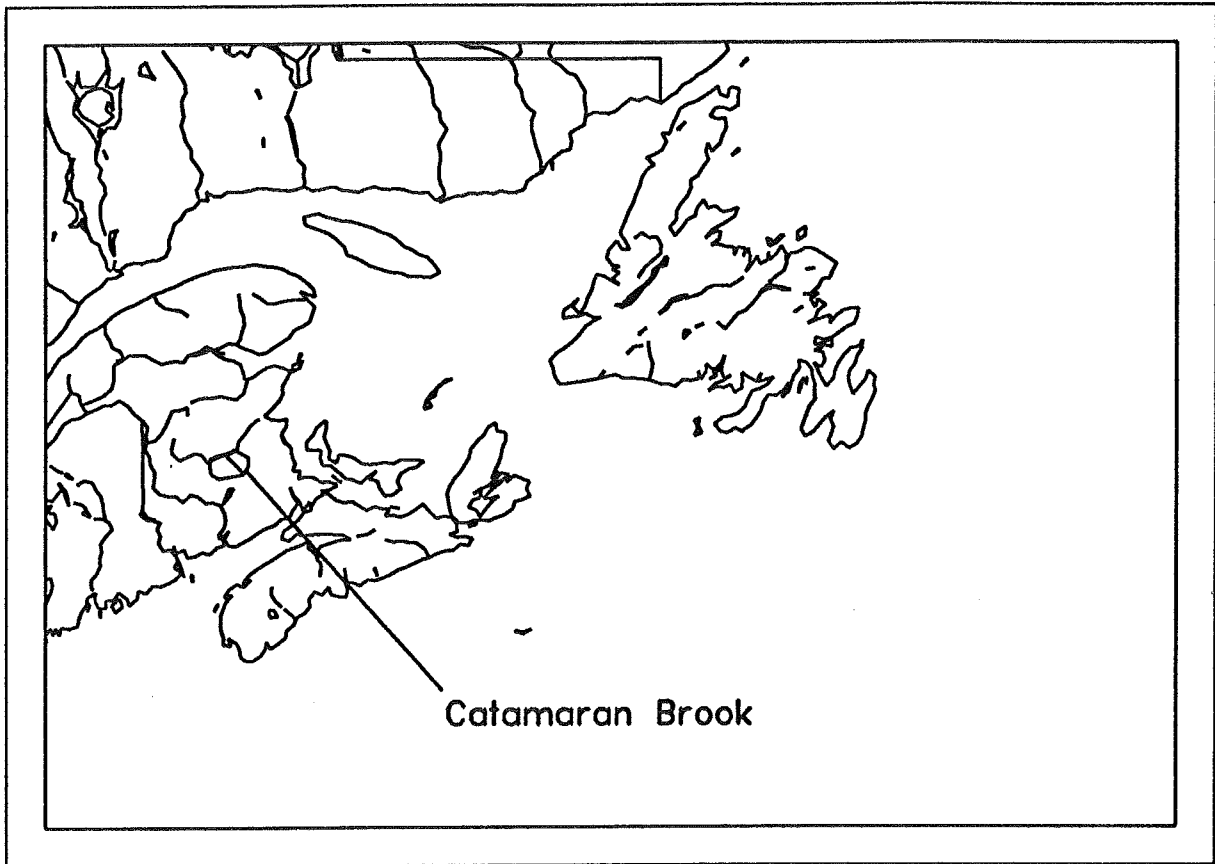
17. Signature: Verified
Date: May 5, 1992

Science Branch Gulf Region

1. **Data Base Title:** Catamaran Brook
2. **Contact Person:**
Rick Cunjak, Research Scientist
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-200 Fax (506) 851-8832
3. **Purpose:**
Fish habitat research information and impacts of forestry on stream ecosystem
4. **Access/Fees/Restrictions:**
Notification of contact person required
5. **Geographical Coverage/Scale:**
50 km² Miramichi drainage basin
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Study began on January 1, 1990. Data collected on monthly basis (water chemistry), daily basis (fish data and meteorology) or hourly (discharge). Study meant to continue for 15 years until 2005
8. **Format:**
Digital, ASCII and Autocad maps
9. **Data Types/Parameters Measured:**
 - 1) Biology - fish species, size, weight and age.
 - 2) Meteorology - solar radiation, air temperature, humidity barometric pressure, precipitation, wind speed and direction.
 - 3) Hydrology - discharge, water temperature, substrate type and roughness.
 - 4) Water Chemistry - >20 parameters
10. **Sampling Procedures:**
Electrofishing surveys - 2 * per year @ 30 sites.
Water Chemistry - monthly @ 30 sites.
Stream hydrology/hydraulics - 3 * per year @ 24 sites.
Daily sampling (May-Nov.) - counting fence
11. **Program Type:**
Research - Impacts of forestry activity on biology, chemistry and physical characteristics of a salmon stream ecosystem
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Lotus 1-2-3, dBase IV, Wordperfect 5.1, Autocad

15. **Comments:**

16. **Map:**

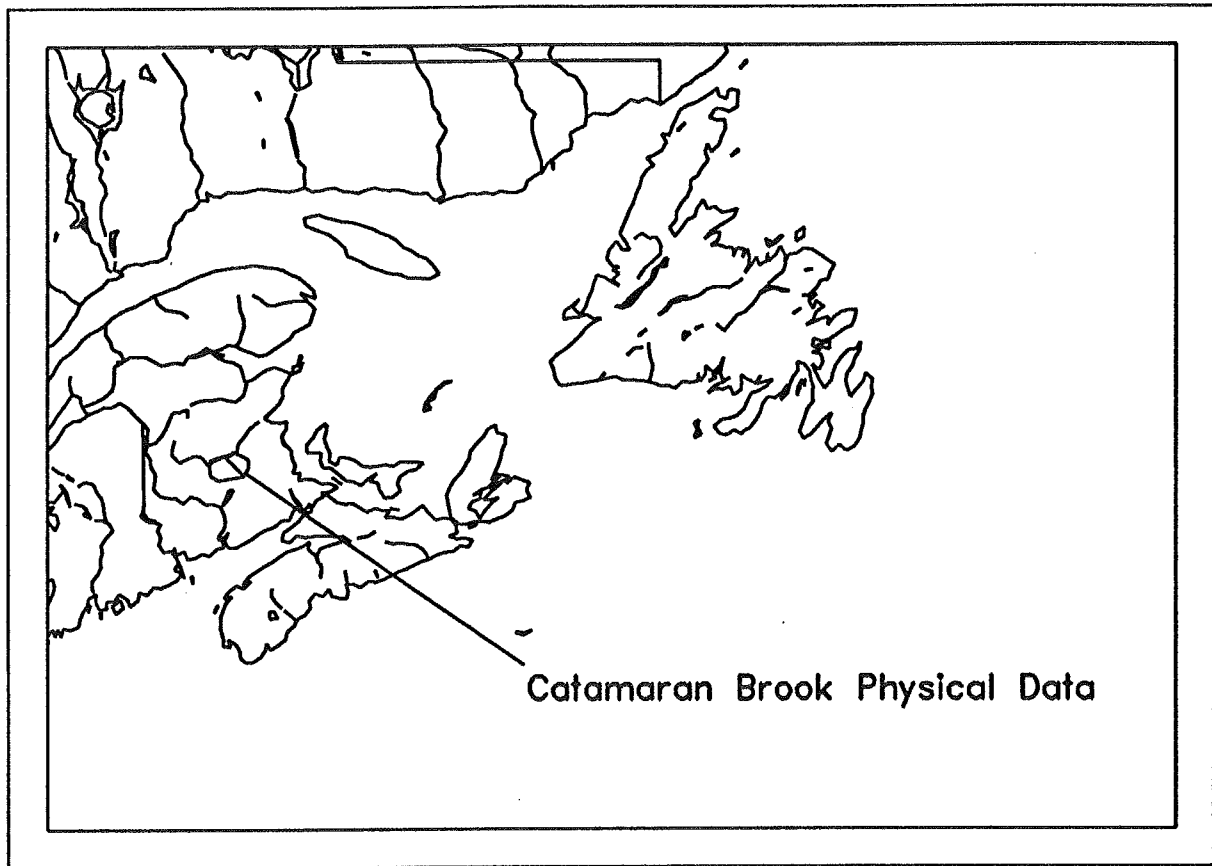


17. **Signature:** Verified

Date: May 24, 1992

1. **Data Base Title:** Catamaran Brook, Physical Data
2. **Contact Person:**
D. Caissie
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-628 Fax (506) 851-7732
3. **Purpose:**
All relevant physical information (meteorological data, stream survey, etc.) for the Catamaran Brook Project
4. **Access/Fees/Restrictions:**
N/A
5. **Geographical Coverage/Scale:**
Catamaran Brook, New Brunswick
6. **Geographic Referencing:**
None
7. **Period of Record/Update Frequency:**
1989 to present/ some hourly data collection
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Air temperature, wind speed and direction, barometric pressure, precipitation, stream flow and water temperature
10. **Sampling Procedures:**
On site and remote sensing via satellite
11. **Program Type:**
Monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC with ASCII files. Data collected using data logger CRIO and Sutton
15. **Comments:**

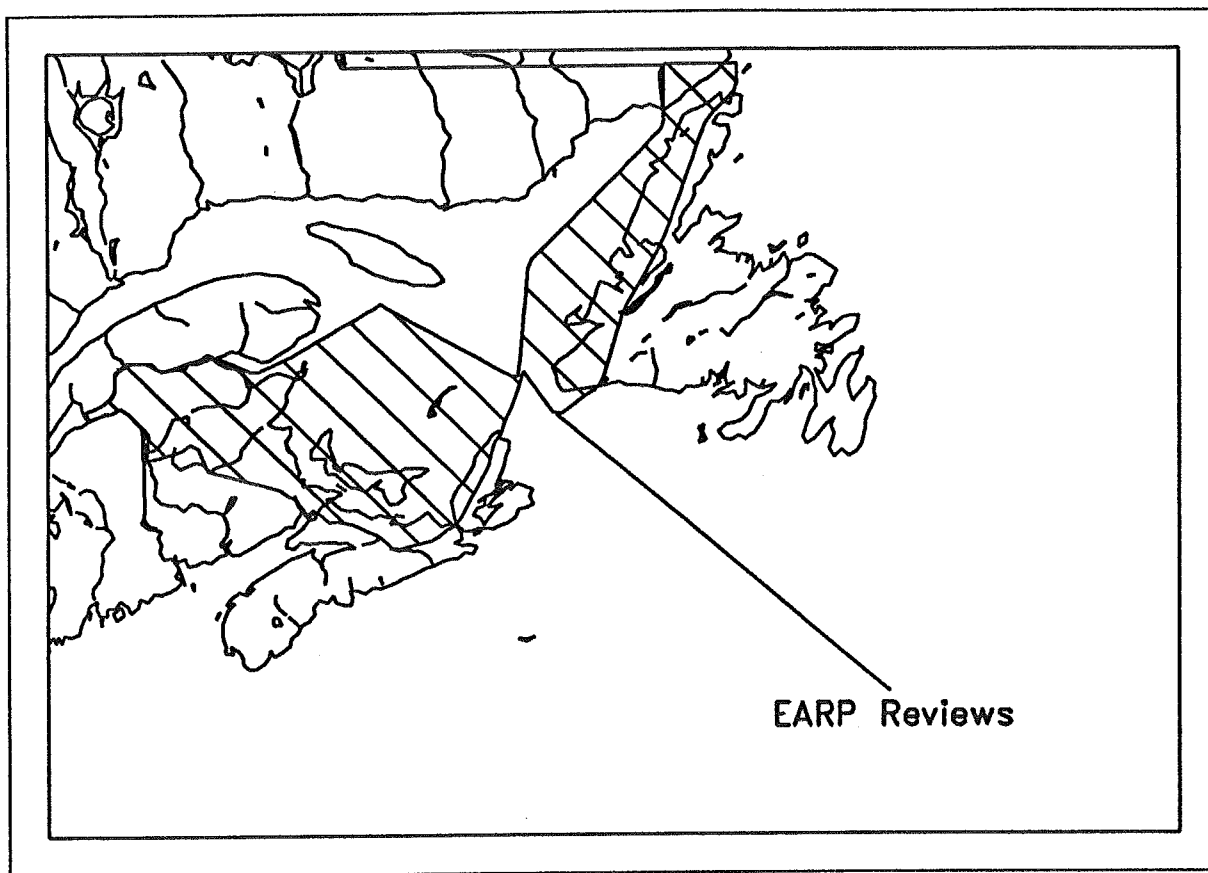
16. **Map:**



17. **Signature:** Verified
Date: May 29, 1992

1. **Data Base Title:** EARP Reviews
2. **Contact Person:**
Melanie MacLean/Ross Alexander
Fish Habitat and Enhancement Division
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-248/(506) 851-6251 Fax (506) 851-7732
3. **Purpose:**
To assist in the review of reports to ensure protection of fish and fish habitat
4. **Access/Fees/Restrictions:**
N/A
5. **Geographical Coverage/Scale:**
N/A
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Intermittent (as required)
8. **Format:**
Digital and hardcopy
9. **Data Types/Parameters Measured:**
Textual information
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Habitat assessment
12. **Size/Growth:**
Undetermined
13. **Environmental Legislation:**
EARP Guidelines Order, Fisheries Act
14. **Computer System:**
IBM Compatible PC 386/486
Wordperfect
15. **Comments:**

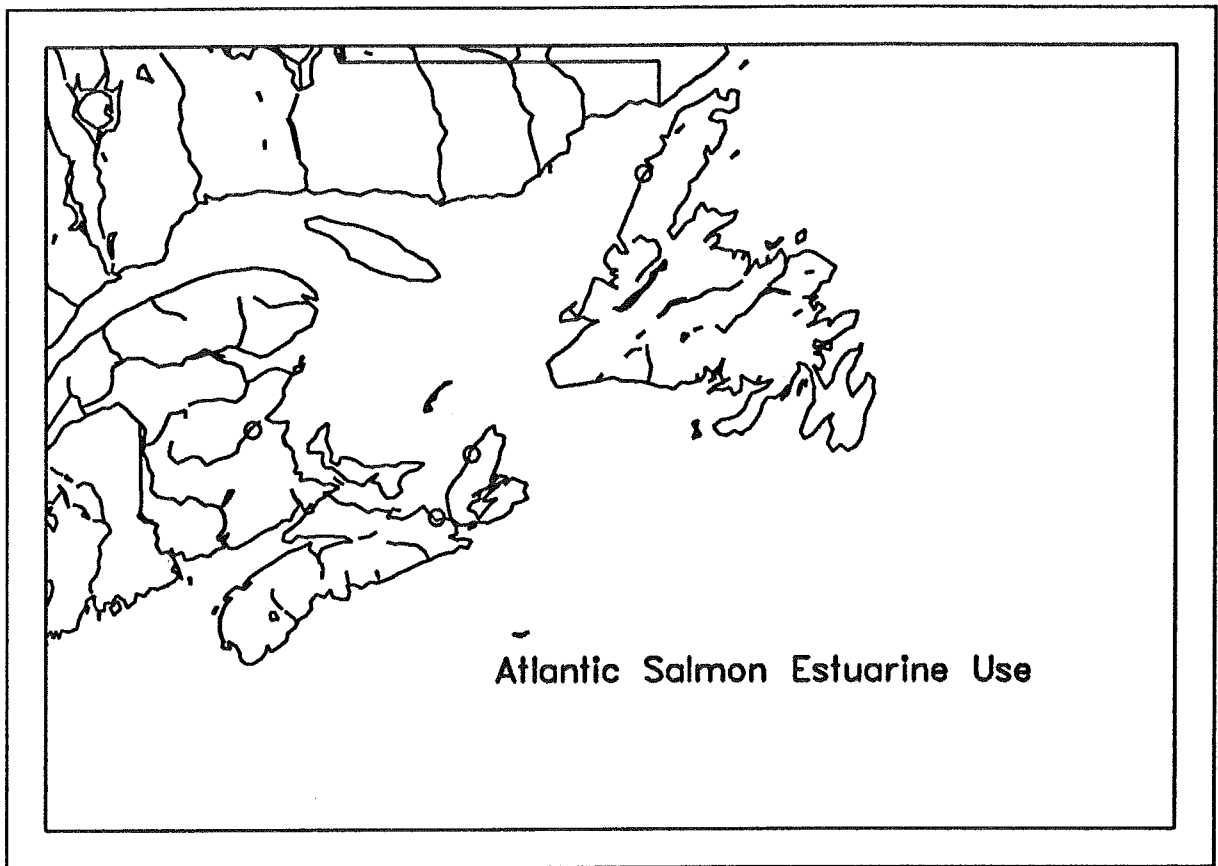
16. Map:



17. Signature: Verified
Date: May 15, 1992

1. **Data Base Title:** Estuarine Use by Atlantic Salmon
2. **Contact Person:**
Rick Cunjak, Research Scientist
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-200 Fax (506) 851-7732
3. **Purpose:**
Compile information on the use of estuaries in Atlantic Canada by juvenile Atlantic salmon
4. **Access/Fees/Restrictions:**
Prior notification required
5. **Geographical Coverage/Scale:**
Various river estuaries in Atlantic Canada
6. **Geographic Referencing:**
By river
7. **Period of Record/Update Frequency:**
Study first started in May 1987 and continuing/ no regular interval to data collection
8. **Format:**
Hardcopy, maps, reports (published papers), computer files and fish scales
9. **Data Types/Parameters Measured:**
 - 1) Water temperature, salinity and tide.
 - 2) Fish size, species, length, weight, age, sex, maturity.
 - 3) Physiology - ATPase, body lipid/water content.Research and preliminary surveys
10. **Sampling Procedures:**
Weekly to monthly beach seine collections (May to Nov.) at various sites from river proper to lower estuary - near shore sites only
11. **Program Type:**
Research and preliminary surveys
12. **Size/Growth:**
Scale samples take, mark/recapture study (1988) at Western Arm Brook
13. **Environmental Legislation:**
N/A
14. **Computer System:**
Lotus 1-2-3; SAS; Wordperfect 5.1
15. **Comments:**

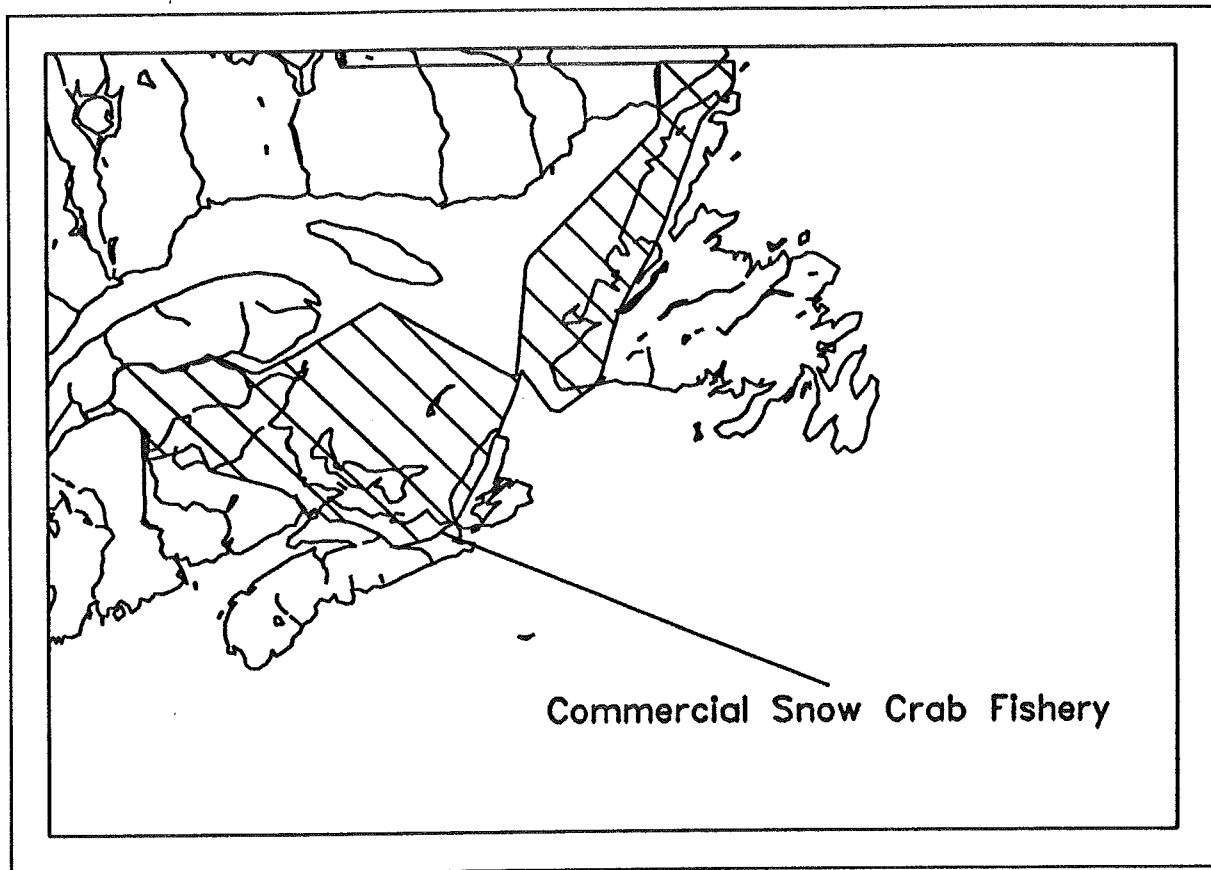
16. Map:



17. Signature: Verified
Date: May 24, 1992

1. **Data Base Title:** Gulf Region Commercial Snow Crab Fishery
2. **Contact Person:**
Mikio Mosiyasu, Head
Crustacean Section
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-613 Fax (506) 851-6671
3. **Purpose:**
Data on catch and effort for commercial snow crab fisheries in Gulf Region
4. **Access/Fees/Restrictions:**
Summary data available/no cost
5. **Geographical Coverage/Scale:**
Gulf Region - Gulf of St. Lawrence
6. **Geographic Referencing:**
Catch located by Loran "C"
7. **Period of Record/Update Frequency:**
1981 to present
8. **Format:**
Hardcopy tables, maps and CAFSAC reports and research documents
9. **Data Types/Parameters Measured:**
Catch landings, catch weight, number of traps, hours per data fished and depth
10. **Sampling Procedures:**
Collected from fishermen, port samples and biomass surveys
11. **Program Type:**
Monitoring and research surveys
12. **Size/Growth:**
700 Mb disk space annually
13. **Environmental Legislation:**
N/A
14. **Computer System:**
HP 925 and MacIntosh
15. **Comments:**

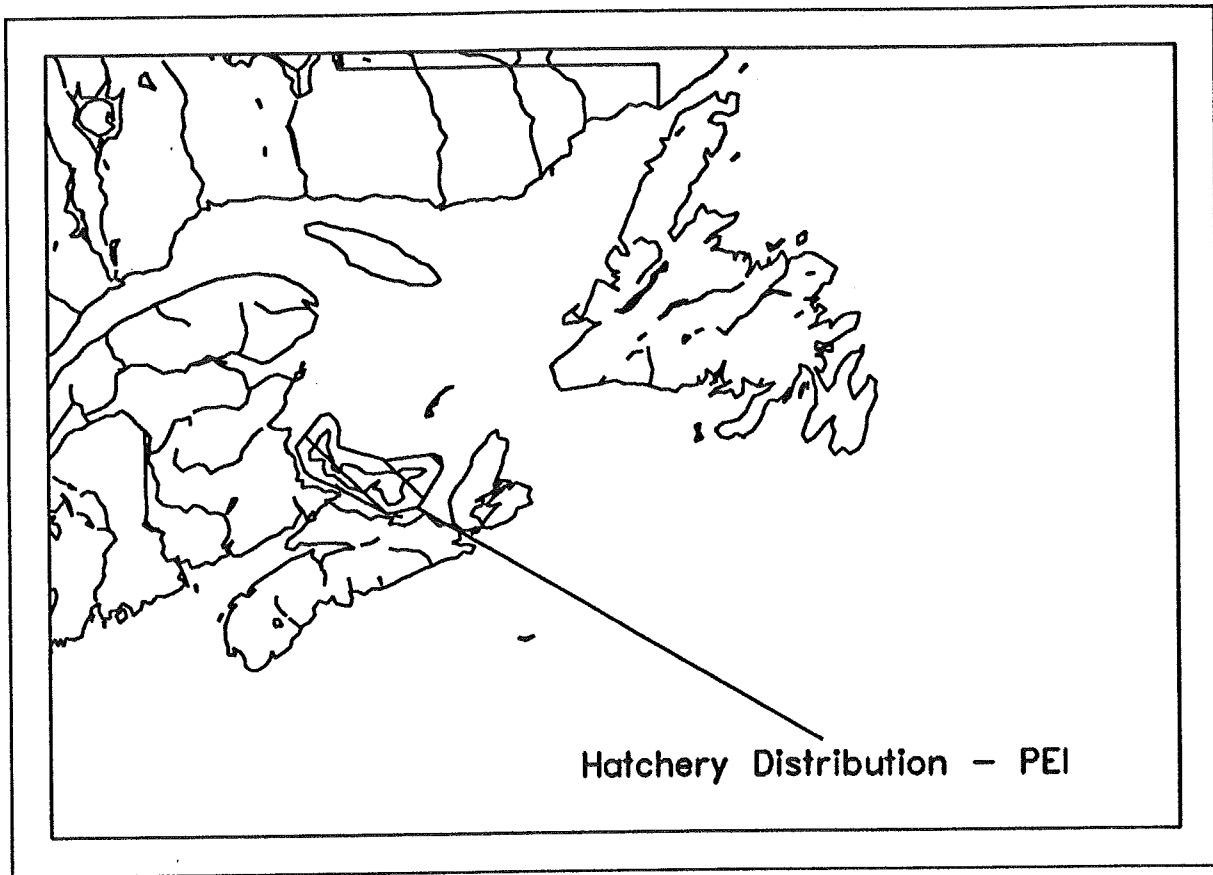
16. Map:



17. Signature: Verified
Date: May 29, 1992

1. **Data Base Title:** Hatchery Distributions - PEI
2. **Contact Person:**
Randall B. Angus, Manager
Cardigan Salmonid Enhancement Centre
Fish Habitat & Enhancement Division
Science Branch
Department of Fisheries and Oceans
R.R. # 3
Cardigan, Prince Edward Island C0A 1G0
Tel (902) 583-295 Fax (902) 583-3223
3. **Purpose:**
Record of fish distributions
4. **Access/Fees/Restrictions:**
None
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Updated Monthly
8. **Format:**
Hardcopy reports
9. **Data Types/Parameters Measured:**
Date, number and location
10. **Sampling Procedures:**
Hard counts
11. **Program Type:**
Production monitoring
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
N/A
15. **Comments:**

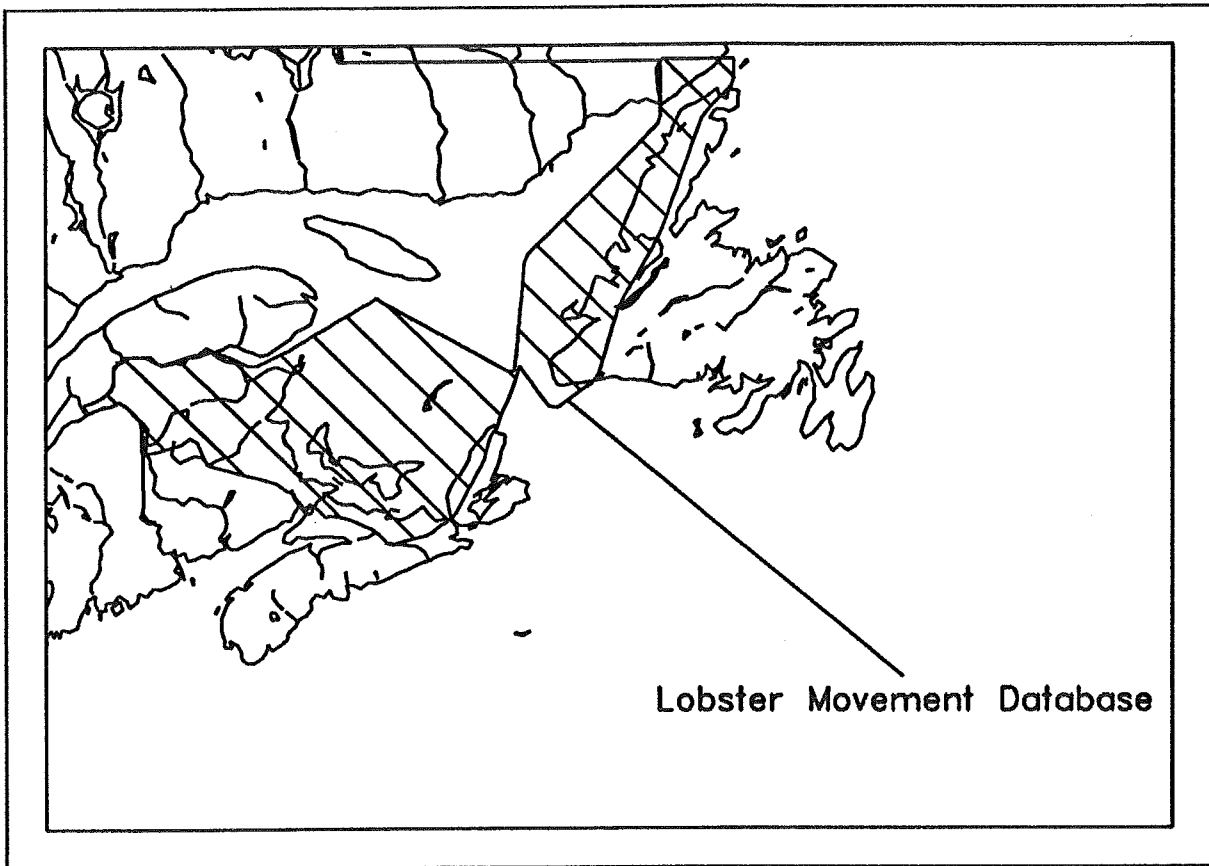
16. Map:



17. Signature: Verified
Date: June 10, 1992

1. **Data Base Title:** Lobster Movement Database
2. **Contact Person:**
Don Maynard, Biologist
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-621 Fax (506) 851-6671
3. **Purpose:**
Monitoring of lobster movement in Gulf of St. Lawrence for mark and recapture studies
4. **Access/Fees/Restrictions:**
Through responsible organization/None/None
5. **Geographical Coverage/Scale:**
Gulf of St. Lawrence - Gulf Region
6. **Geographic Referencing:**
Loran "C"
7. **Period of Record/Update Frequency:**
1961 to present/annually
8. **Format:**
Hardcopy tables, maps and CAFSAC reports and research documents
9. **Data Types/Parameters Measured:**
Site of lobster release and recapture, tag number, sex, length, health, distance moved, angle of travel and growth increment
10. **Sampling Procedures:**
Individual site studies in each province annually (New Brunswick, Prince Edward Island and Nova Scotia)
11. **Program Type:**
Research
12. **Size/Growth:**
2 Mbytes disk space annually
13. **Environmental Legislation:**
N/A
14. **Computer System:**
HP 925 and MacIntosh
15. **Comments:**

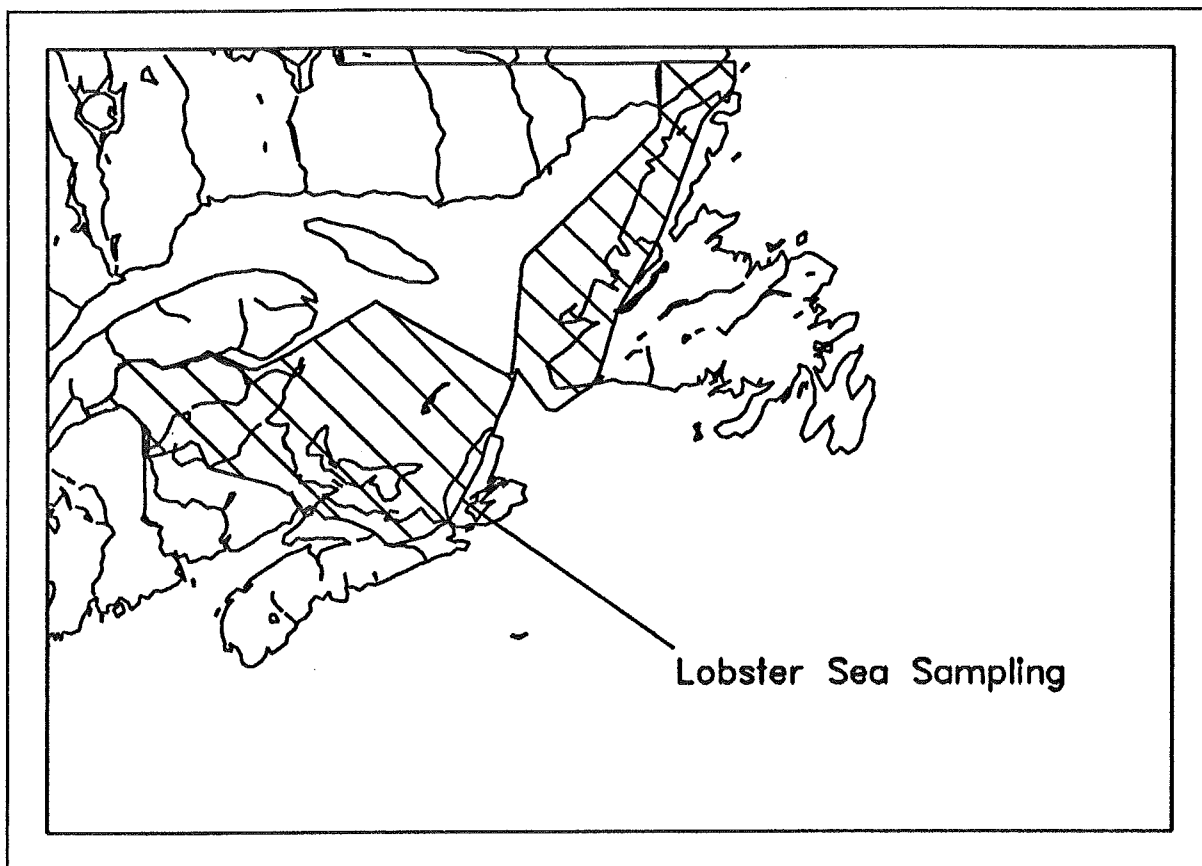
16. Map:



17. Signature: Verified
Date: May 29, 1992

1. **Data Base Title:** Lobster Sea Sampling for Gulf Fishery
2. **Contact Person:**
Don Maynard, Biologist
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-621 Fax (506) 851-6671
3. **Purpose:**
Data collected on distribution and biology of lobsters trapped commercially in Gulf of St. Lawrence to determine legal size limits for lobster fishery
4. **Access/Fees/Restrictions:**
Through the responsible organization/None/None
5. **Geographical Coverage/Scale:**
Gulf Region - Gulf of St. Lawrence
6. **Geographic Referencing:**
Loran "C"
7. **Period of Record/Update Frequency:**
1982 to present/Annually
8. **Format:**
Hardcopy tables, maps and CAFSAC reports - research documents
9. **Data Types/Parameters Measured:**
Date, location, number of traps, lobster length, weight, sex, health, home port of fisherman, water depth and temperature
10. **Sampling Procedures:**
On board sea sampling of lobster boats
11. **Program Type:**
Research and monitoring
12. **Size/Growth:**
2 Mbytes disk space annually
13. **Environmental Legislation:**
N/A
14. **Computer System:**
HP 925 and MacIntosh
15. **Comments:**

16. Map:



17. Signature: Verified
Date: May 29, 1992

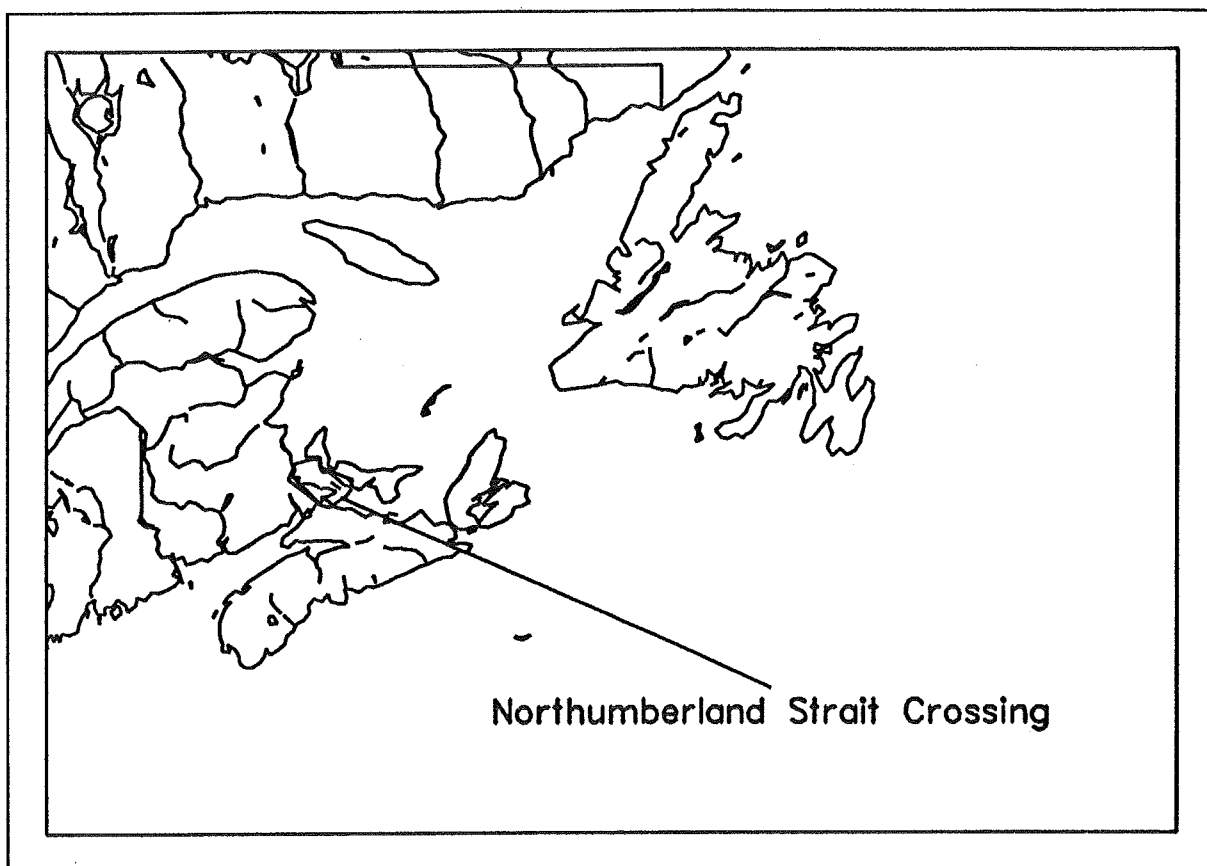
1. **Data Base Title:** Nitzschia pungens physiology
2. **Contact Person:**
Stephen S. Bates, Research Scientist
Phytoplankton
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-398 Fax (506) 851-2079
3. **Purpose:**
Research on Nitzschia growth and domoic acid production
4. **Access/Fees/Restrictions:**
Access restricted to primary user unless authorization is given
5. **Geographical Coverage/Scale:**
Laboratory study only
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Weekly or as required
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physiological Measurements
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Research
12. **Size/Growth:**
Unlimited
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC - Compac 386
Lotus 1-2-3
15. **Comments:**
The is not for general distribution

16. **Map:**
Not Appropriate for this data base.

17. **Signature:** Verified
Date: May 20, 1992

1. **Data Base Title:** Northumberland Strait Crossing Project
2. **Contact Person:**
Melanie MacLean/Ross Alexander
Fish Habitat and Enhancement Division
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-248/(506) 851-6251 Fax (506) 851-7732
3. **Purpose:**
Information collected to assess impact of bridge on the environment
4. **Access/Fees/Restrictions:**
N/A
5. **Geographical Coverage/Scale:**
N/A
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
1988 to present/intermittent
8. **Format:**
Digital and hardcopy
9. **Data Types/Parameters Measured:**
Textual information
10. **Sampling Procedures:**
Varied
11. **Program Type:**
Habitat assessment
12. **Size/Growth:**
Undetermined
13. **Environmental Legislation:**
EARP Guidelines Order (proposed CEAA)
14. **Computer System:**
IBM Compatible PC 386/486
Wordperfect
15. **Comments:**

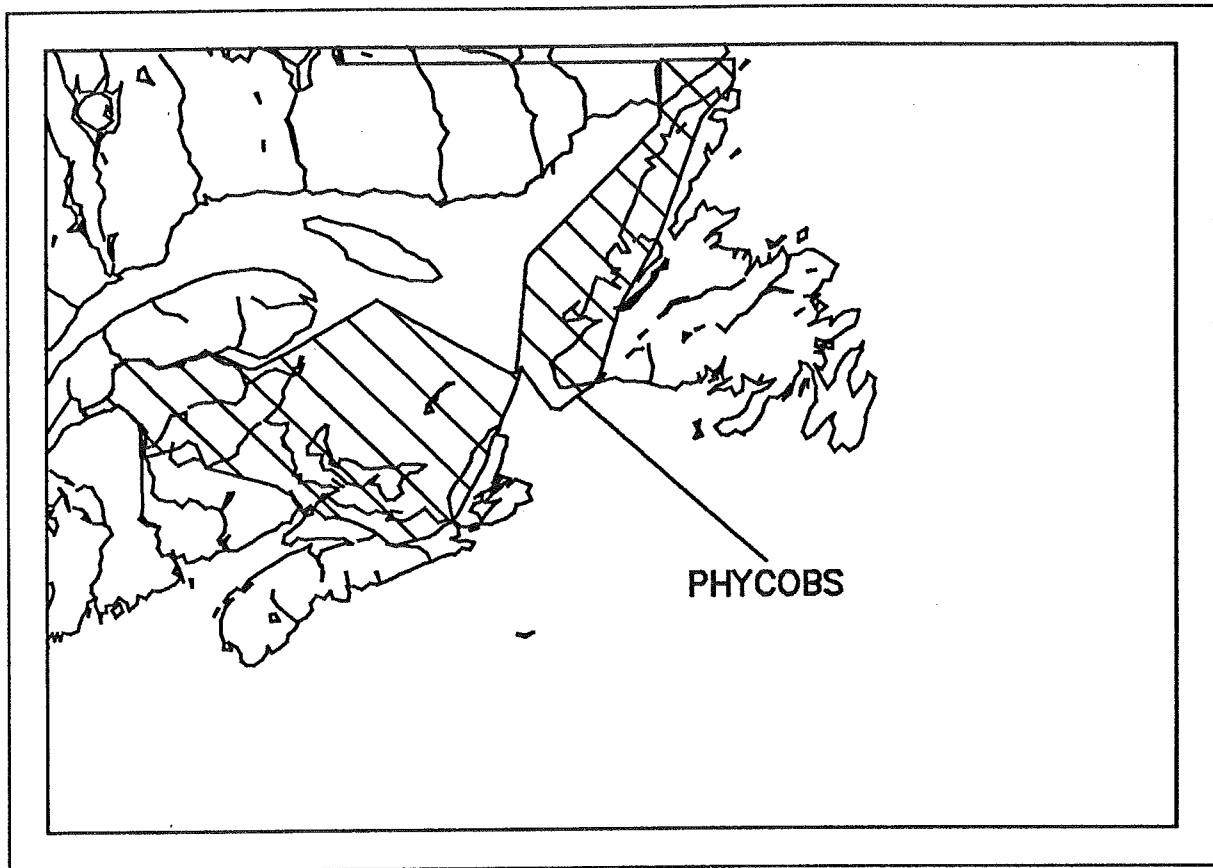
16. Map:



17. Signature: Verified
Date: May 15, 1992

1. **Data Base Title:** PHYCOBS (proposed compilation of smaller data bases)
2. **Contact Person:**
John C. Smith, Research Scientist
Habitat Ecology Section
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-382 Fax (506) 851-2079
3. **Purpose:**
Toxic phytoplankton - biogeography, long-term trends, mechanisms underlying blooms and interannual variation
4. **Access/Fees/Restrictions:**
No fees/ restricted access
5. **Geographical Coverage/Scale:**
DFO Gulf Region and contiguous areas
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Continual
8. **Format:**
Spreadsheet and hardcopy
9. **Data Types/Parameters Measured:**
Temperature, salinity, CTD, extinction of light, chlorophyll, toxin levels, call numbers, taxonomy, nutrients, carbon and nitrogen production rates, POC, PON, particulate proteins, amino acids, seston, etc.
10. **Sampling Procedures:**
On site surveys, samples collected by collaborators, collating published data on runoff, meteorology, etc.
11. **Program Type:**
Research
12. **Size/Growth:**
Not available at present
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC: Lotus
15. **Comments:**

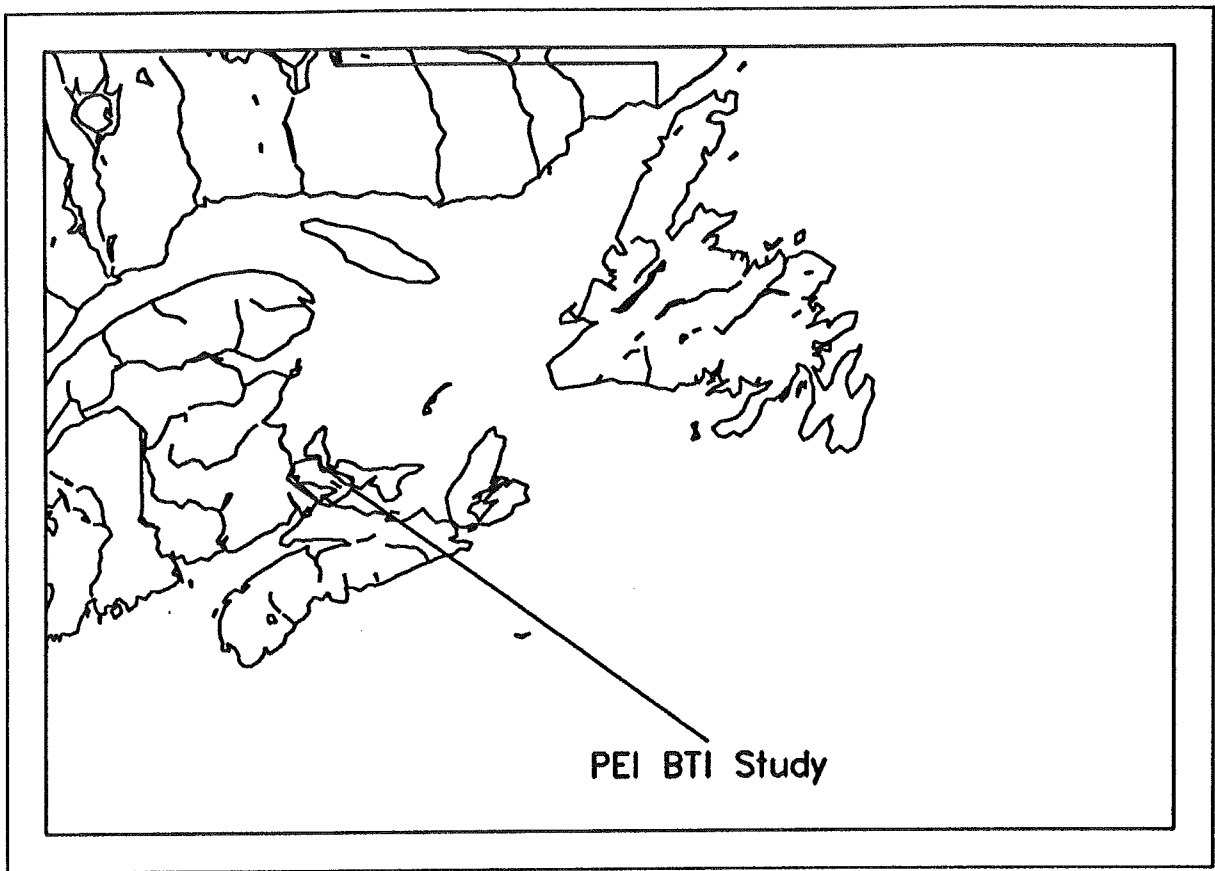
16. Map:



17. Signature: Verified
Date: May 20, 1992

1. **Data Base Title:** Prince Edward Island BTI Study
2. **Contact Person:**
Melanie MacLean/Ross Alexander
Fish Habitat and Enhancement Division
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-248/(506) 851-6251 Fax (506) 851-7732
3. **Purpose:**
Record of effects of BTI on streams (e.g. fish, invertebrates etc.)
4. **Access/Fees/Restrictions:**
N/A
5. **Geographical Coverage/Scale:**
N/A
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
1992/monthly
8. **Format:**
Digital and hardcopy
9. **Data Types/Parameters Measured:**
Length, weight, condition factor for each fish sampled
10. **Sampling Procedures:**
Electrofishing surveys
11. **Program Type:**
Habitat Assessment and research
12. **Size/Growth:**
Undetermined
13. **Environmental Legislation:**
EARP Guidelines Order
14. **Computer System:**
IBM Compatible PC 386/486
Wordperfect
Lotus 1-2-3
15. **Comments:**

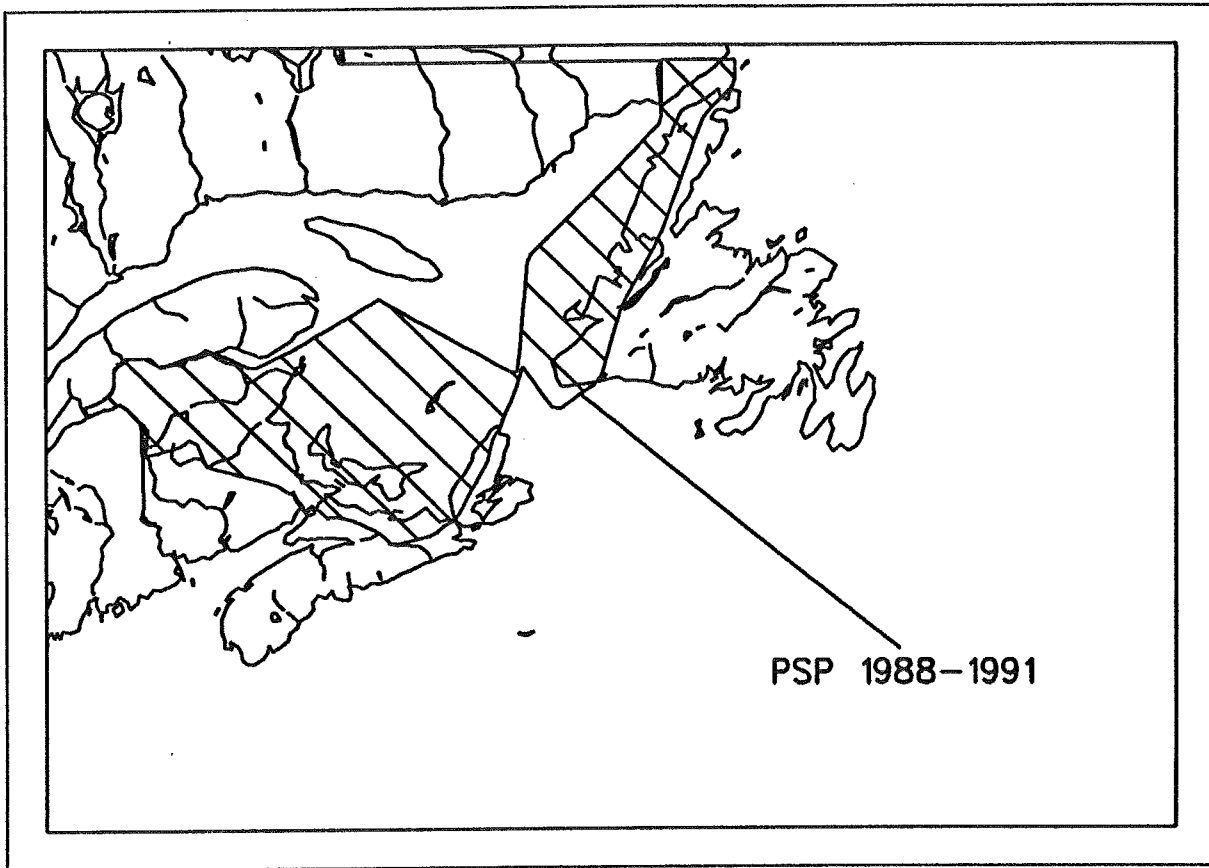
16. Map:



17. Signature: Verified
Date: May 15, 1992

1. **Data Base Title:** PSP 1988-91
2. **Contact Person:**
John Smith, Research Scientist
Habitat Ecology Section
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-382 Fax (506) 851-7732
3. **Purpose:**
Interpretation of PSP levels in shellfish
4. **Access/Fees/Restrictions:**
No policy
5. **Geographical Coverage/Scale:**
Southern Gulf of St. Lawrence
6. **Geographic Referencing:**
None at this time. Sites could be coded as latitude and longitude
7. **Period of Record/Update Frequency:**
1988-1992/ Various
8. **Format:**
Digital on 3 1/2" disk, poster, scientific publications
9. **Data Types/Parameters Measured:**
PSP concentrations in tissue
10. **Sampling Procedures:**
On site by inspection officers and analysis by mouse bioassay
11. **Program Type:**
Monitoring
12. **Size/Growth:**
300 to 500 records/year
13. **Environmental Legislation:**
None
14. **Computer System:**
IBM Compatible PC Compaq 386SX
Lotus 1-2-3 v. 3.1
15. **Comments:**
Inspection database (on Q&A) has more information than what was pulled out compiled and sorted for scientific purposes

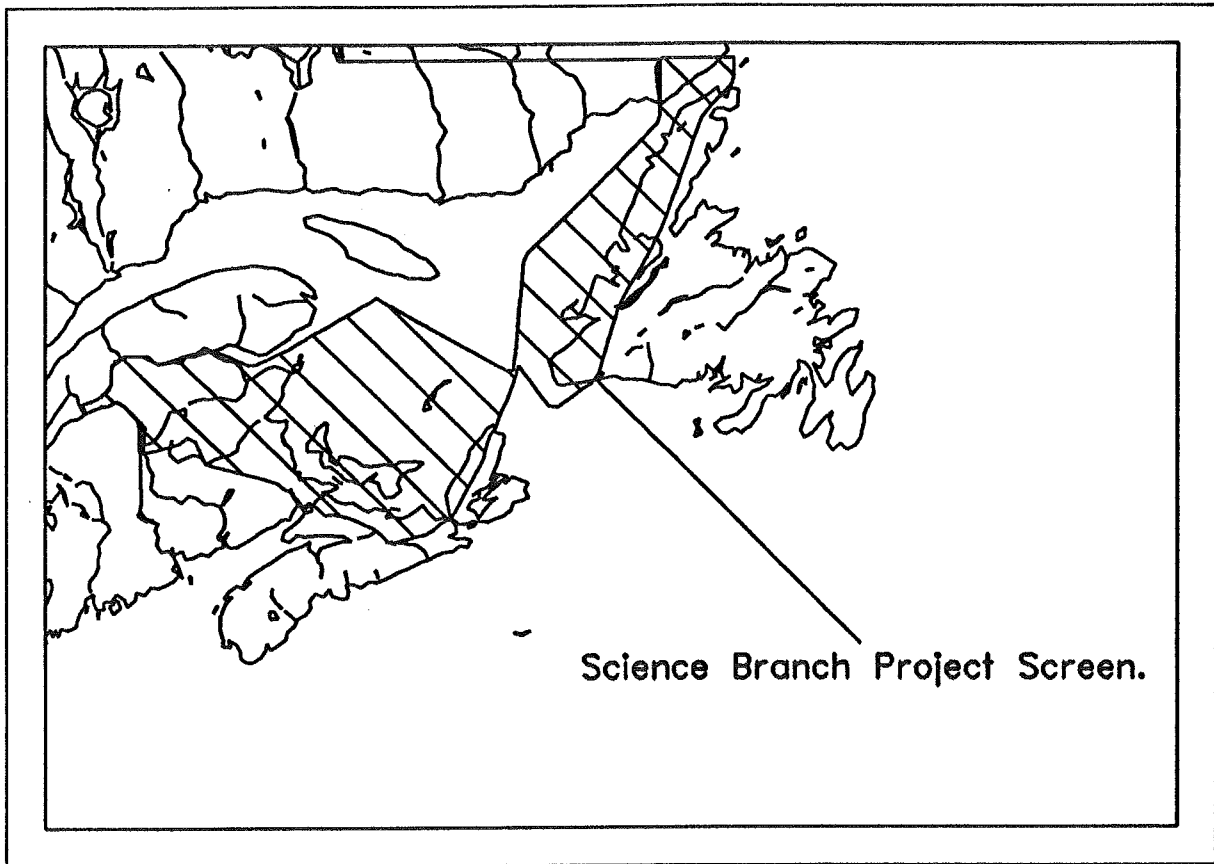
16. Map:



17. Signature: Verified
Date: May 7, 1992

1. **Data Base Title:** Science Branch Project Screening
2. **Contact Person:**
Melanie MacLean/Ross Alexander
Fish Habitat and Enhancement Division
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-248/(506) 851-6251 Fax (506) 851-7732
3. **Purpose:**
To fulfil the requirements of EARP Guidelines Order (soon to be the CEAA)
4. **Access/Fees/Restrictions:**
N/A
5. **Geographical Coverage/Scale:**
N/A
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Yearly (from FY 1990-1992)
8. **Format:**
Hardcopy, digital
9. **Data Types/Parameters Measured:**
Textual information
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Habitat assessment
12. **Size/Growth:**
Undetermined
13. **Environmental Legislation:**
EARP Guidelines Order (proposed CEAA)
14. **Computer System:**
IBM Compatible PC 386/486
Wordperfect, Lotus 1-2-3
15. **Comments:**

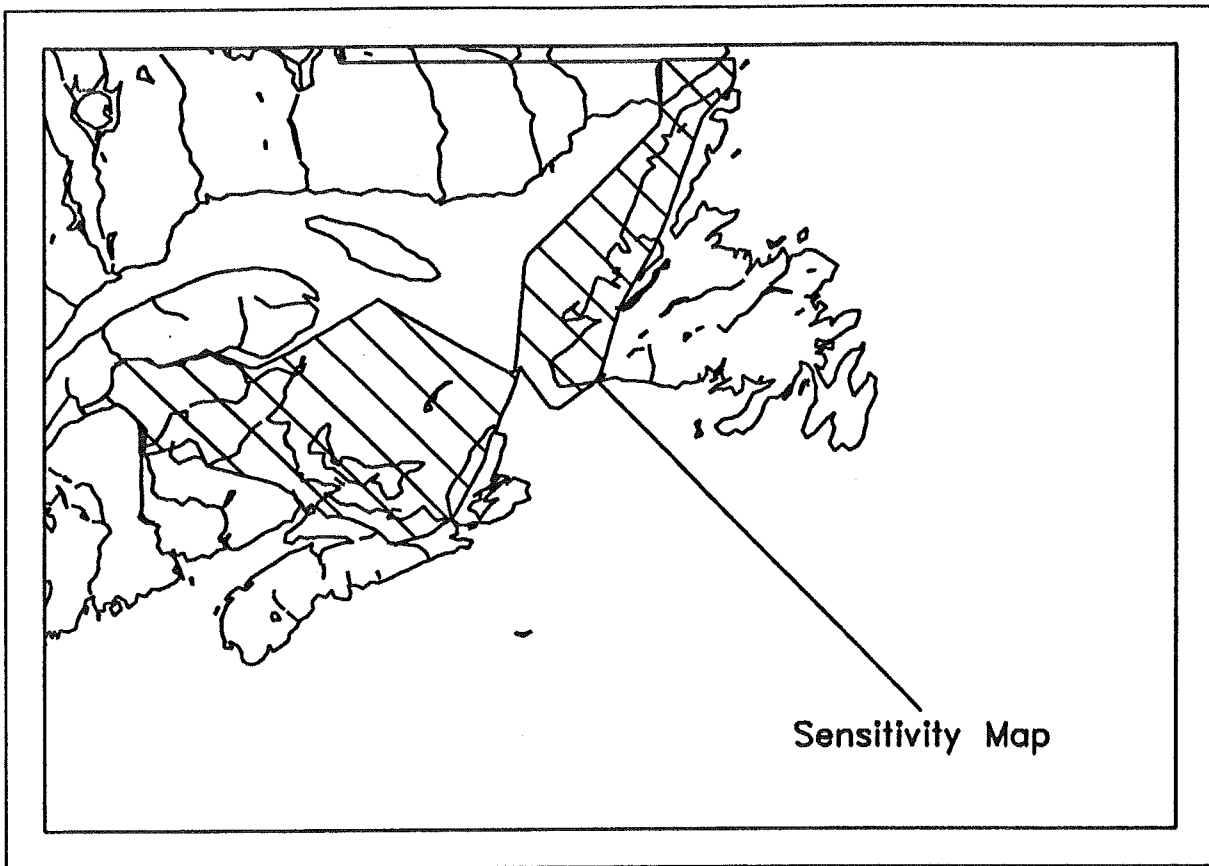
16. Map:



17. Signature: Verified
Date: May 15, 1992

1. **Data Base Title:** Sensitivity Maps
2. **Contact Person:**
Albert Vromans, Programmer-Analyst
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-204 Fax (506) 851-2079
3. **Purpose:**
Emergency response and planning and habitat assessment
4. **Access/Fees/Restrictions:**
Undetermined
5. **Geographical Coverage/Scale:**
1:50000
6. **Geographic Referencing:**
NEMR
7. **Period of Record/Update Frequency:**
Not Established
8. **Format:**
Digital - Infocus/Irmis
9. **Data Types/Parameters Measured:**
Shellfish, commercial fishing, bottom type, aquatic vegetation industrial sites, recreational sites and aquaculture
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Mapping
12. **Size/Growth:**
Undetermined growth - dependent on funding
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible 386/25mHz
Infocus/Irmis
Foxpro
15. **Comments:**
Expect to have maps converted to CARIS - GIS in future (date not determined)

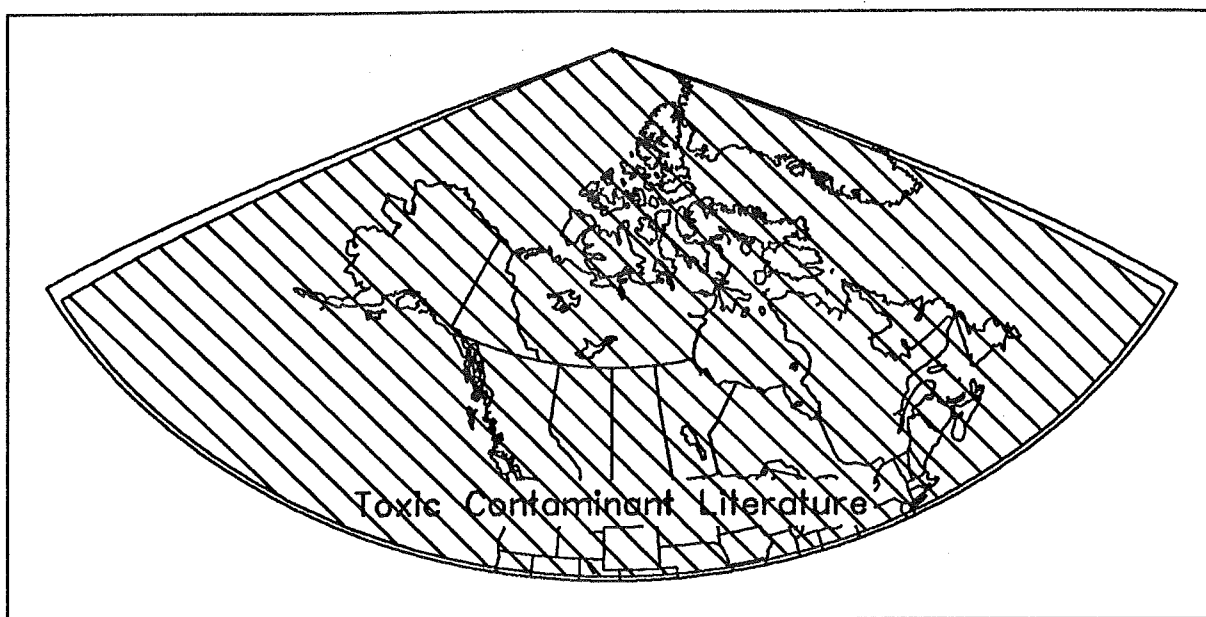
16. Map:



17. Signature: Verified
Date: May 26, 1992

1. **Data Base Title:** Toxic Contaminant Literature
2. **Contact Person:**
Ross Alexander, Head
Habitat Assessment
Science Branch
Department of Fisheries and Oceans
P.O. Box 5030
Moncton, New Brunswick E1C 9B6
Tel (506) 851-625 Fax (506) 851-7732
3. **Purpose:**
Information on published and non-published literature pertaining to toxic contaminants in the Gulf Region and in Canada
4. **Access/Fees/Restrictions:**
N/A
5. **Geographical Coverage/Scale:**
Canada
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Daily
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
N/A
10. **Sampling Procedures:**
N/A
11. **Program Type:**
N/A
12. **Size/Growth:**
Several thousand records
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC Compaq Deskpro 486/25MHz.
Procite Bibliography Software
15. **Comments:**

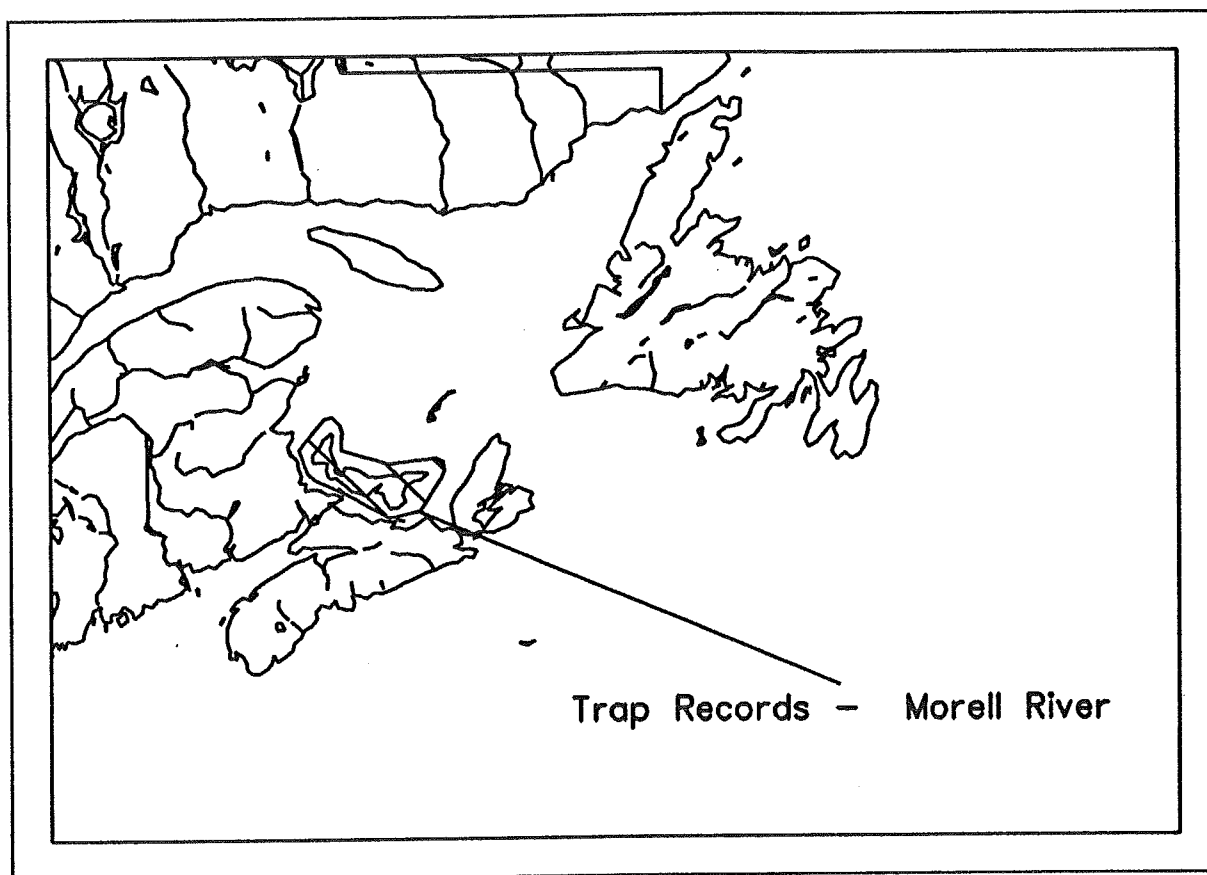
16. Map:



17. Signature: Verified
Date: May 6, 1992

1. **Data Base Title:** Trap Records - Morell River (Index River)
2. **Contact Person:**
Randall B. Angus, Manager
Cardigan Salmonid Enhancement Centre
Fish Habitat & Enhancement Division
Science Branch
Department of Fisheries and Oceans
R.R. # 3
Cardigan, Prince Edward Island C0A 1G0
Tel (902) 583-295 Fax (902) 583-3223
3. **Purpose:**
Fish passage and return records
4. **Access/Fees/Restrictions:**
None
5. **Geographical Coverage/Scale:**
Morell River
6. **Geographic Referencing:**
N/A
7. **Period of Record/Update Frequency:**
Daily
8. **Format:**
Hardcopy reports
9. **Data Types/Parameters Measured:**
Number of various species
10. **Sampling Procedures:**
On site sampling
11. **Program Type:**
Monitoring and research
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
N/A
15. **Comments:**

16. Map:



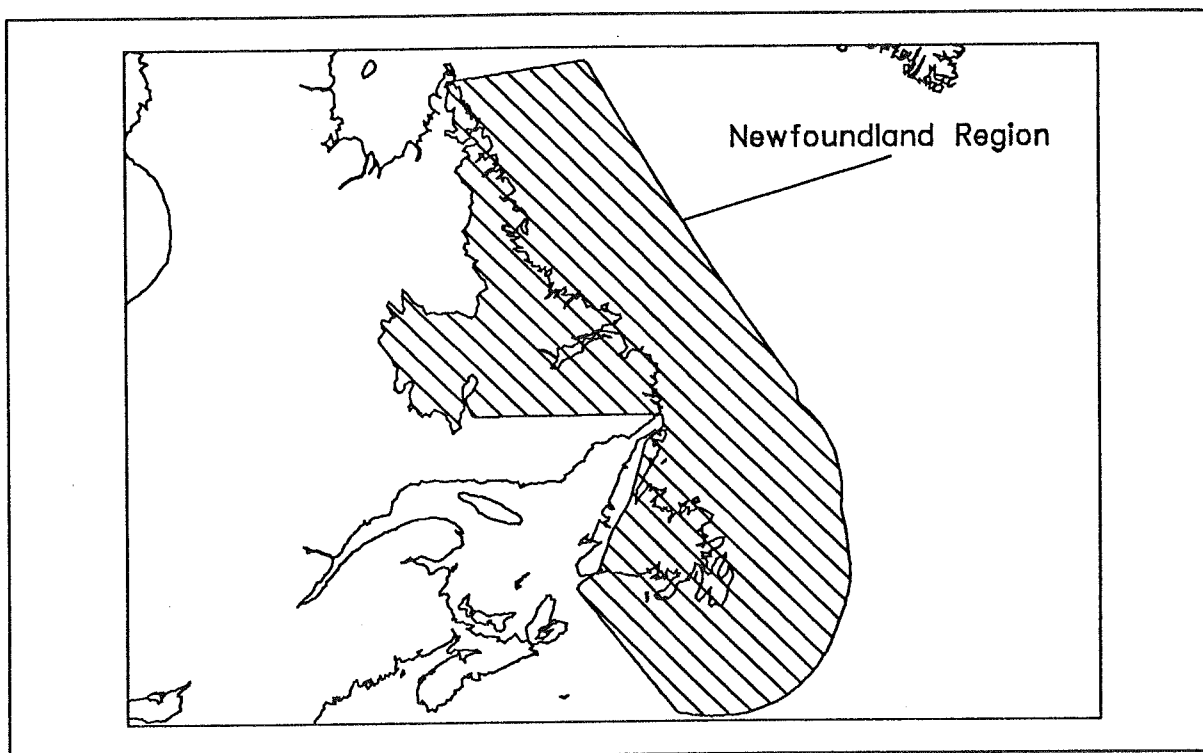
17. Signature: Verified
Date: June 10, 1992

Science Branch Newfoundland Region

1. **Data Base Title:** Groundfish Data (GFISH)
2. **Contact Person:**
Bruce Atkinson, Head
Groundfish Division
Science Branch
Department of Fisheries and Oceans
P.O. Box 5667
St. John's, Newfoundland A1C 5X1
Tel (709) 772-2052 Fax (709) 772-2156
3. **Purpose:**
Groundfish researchers provide biological advice to national and international fisheries managers on the management of commercially and potentially commercially important species of Newfoundland and Labrador
4. **Access/Fees/Restrictions:**
Through contact person / N.A. / Restrictions as imposed by Science Director, Newfoundland Region
5. **Geographical Coverage/Scale:**
Newfoundland and Labrador waters
6. **Geographic Referencing:**
Specific to data file
7. **Period of Record/Update Frequency:**
1940 to 1992/Update frequency could be daily, weekly, monthly or yearly as required
8. **Format:**
Digital, hardcopies normally not available
9. **Data Types/Parameters Measured:**
Cod - cohort data; age and growth research data; commercial sample data; length-frequencies; tagging data; length-sex-maturity; inshore catch effort; meristics; morphometrics; otolith/weight data; food/feeding; parasites; surveys; oogenesis; catch/effort by set. Rock Cod - age and growth research data; weight data; length-frequencies; length-sex-maturity; catch/effort by set. Arctic Cod - length-frequencies; length-sex-maturity; catch/effort by set. Haddock - age and growth research and commercial data; meristics; length frequencies; length-sex-maturity; parasite data; weight data; catch/effort by set. Plaice - age and growth research and commercial data; length frequencies; length-sex-maturity; weight data; morphometrics; meristics; stomach contents; food and feeding; catch/effort by set. Flounder - (yellowtail) age and growth research and commercial data; meristics; length frequencies; length-sex-maturity; food and feeding; catch/effort by set. Flounder - (witch) age and growth research and commercial data; meristics; length frequencies; length-sex-maturity; food and feeding; weight data; catch/effort by set. Turbot - age and growth research and commercial data; meristics; morphometrics; length frequencies; length-sex-maturity; food and feeding; stomach contents; weight data; catch/effort by set. Redfish - age and growth research and commercial data; length frequencies; parasite examinations; length-sex-maturity; food and feeding; meristics; otolith and weight data; body proportions; morphometrics; gas bladder musculature; catch/effort by set. Halibut - age and growth research and commercial data; food and feeding; catch/effort by set. Hake - length frequencies; length-sex-maturity; catch/effort by set. Lumpfish - length frequencies; length-sex-maturity; tagging; catch/effort by set. Pollock - parasite data; length frequencies; catch/effort by set. Other - grenadier length frequencies; skate length frequencies; wolffish length frequencies; juvenile fish length-sex-maturity data, length

frequencies, food and feeding, stomach contents, age and growth research data; oogenesis; foreign observer program

10. **Sampling Procedures:**
The sampling procedures used are specific to the type of research being conducted. Information on sampling procedures would have to be dealt with individually
11. **Program Type:**
Research/surveys
12. **Size/Growth:**
3.36 million records in 234 files/Growth specific to file
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX/VMS
15. **Comments:**
None
16. **Map:**

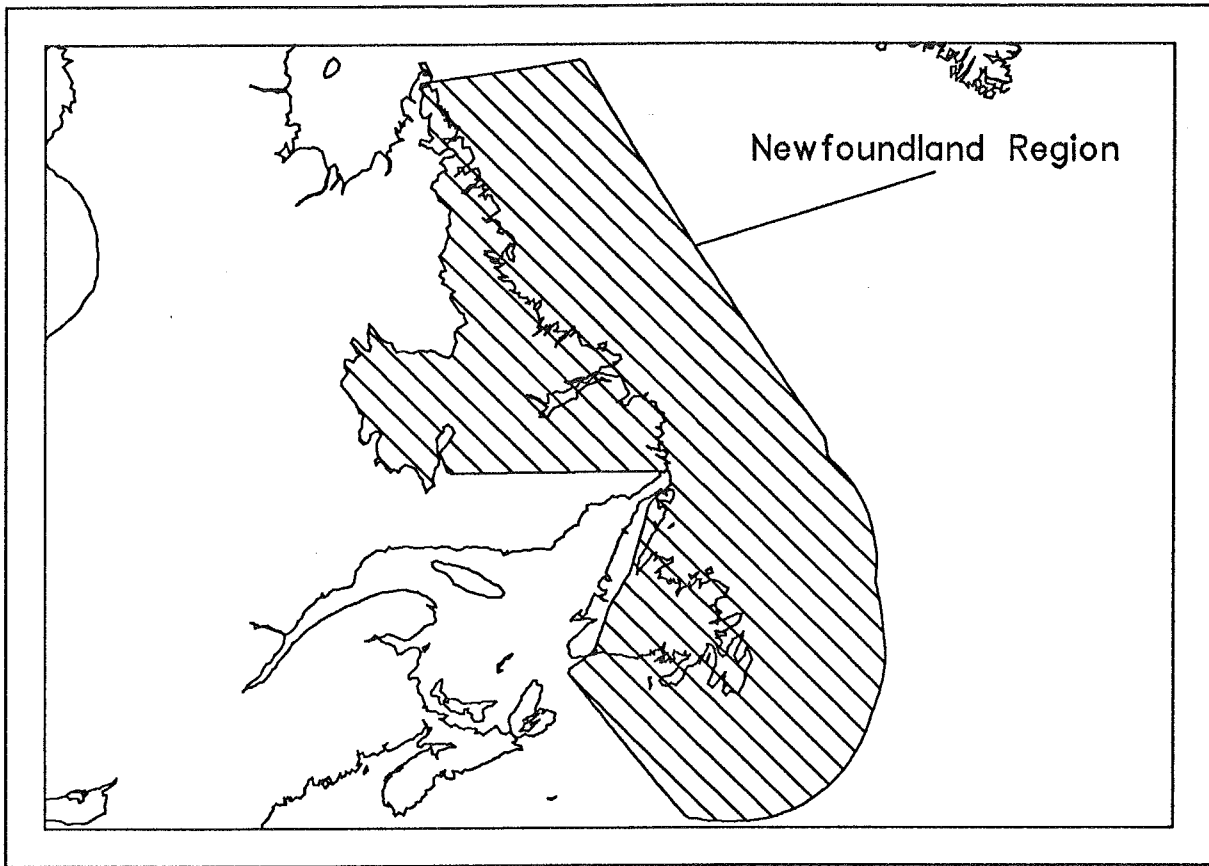


17. **Signature:** Verified
Date: September 30, 1992

1. **Data Base Title:** Observer Program (FCR)
2. **Contact Person:**
Bruce Atkinson, Head
Groundfish Division
Science Branch
Department of Fisheries and Oceans
P.O. Box 5667
St. John's, Newfoundland A1C 5X1
Tel (709) 772-2025 Fax (709) 772-2156
3. **Purpose:**
The fisheries observer program was established to acquire data on all aspects of the fishing operation. Acquired data include vessel and equipment specifications, crew details, trip logistics, living/working conditions, irregularities and inspections, fishing strategy, gear details, sampling and catch summaries, production data, pollution, catch/effort and fish morphology/age
4. **Access/Fees/Restrictions:**
Through contact person / N.A. / Restrictions as imposed by Science Director, Newfoundland Region
5. **Geographical Coverage/Scale:**
Newfoundland and Labrador marine waters
6. **Geographic Referencing:**
Specific to data file
7. **Period of Record/Update Frequency:**
1978 to 1992/Update frequency could be daily, weekly, monthly or yearly as required
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Set details 1978-1992; halibut length-frequencies and age/growth; historical age and growth; conversion factor data; large pelagic data; blue hake length-frequencies, meristics and morphometrics; grenadier length-frequencies; conversion factor data; length-frequency working files for all commercial species including invertebrates
10. **Sampling Procedures:**
The sampling procedures used are specific to the type of research being conducted. Information on sampling procedures would have to be dealt with individually
11. **Program Type:**
Research/Monitoring/Surveys
12. **Size/Growth:**
2.17 million records in 31 files/Growth specific to file
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX/VMS

15. **Comments:**
None

16. **Map:**

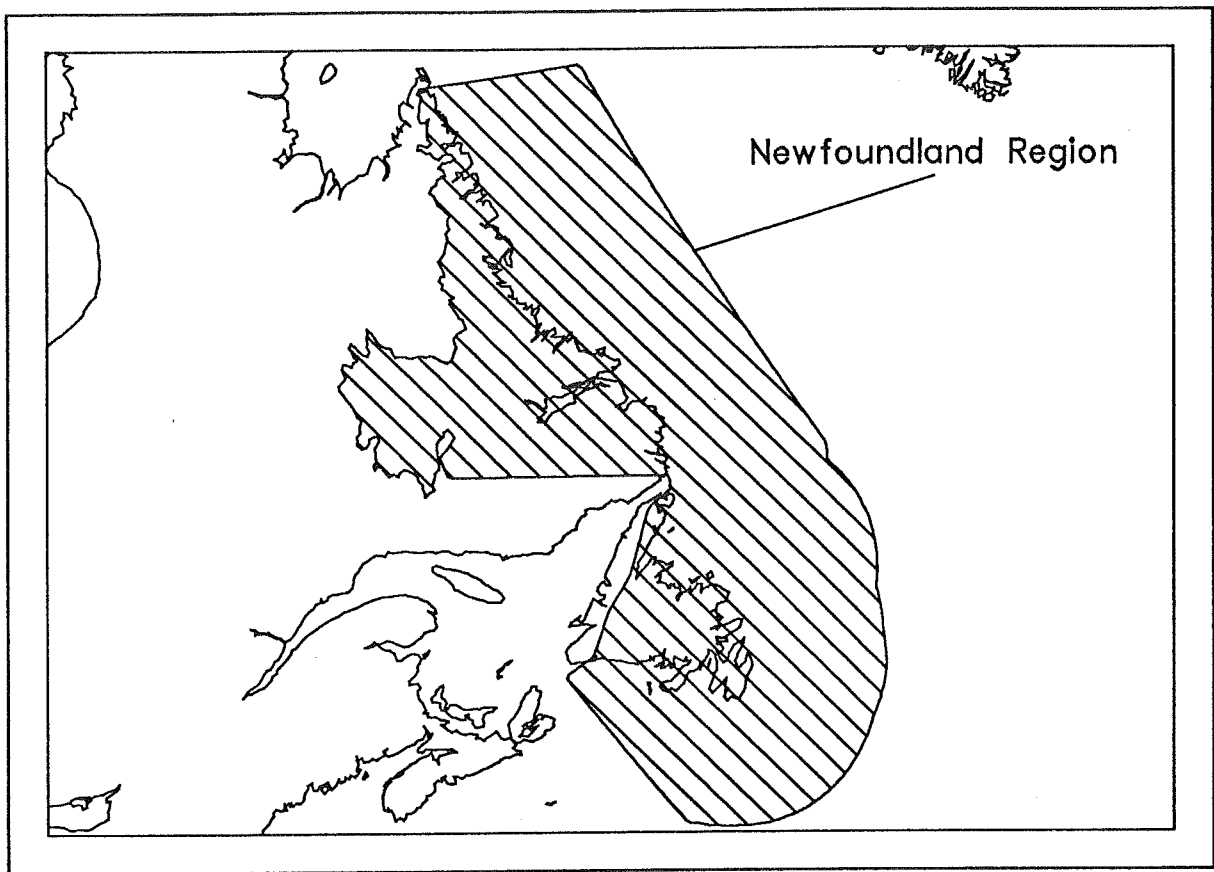


17. **Signature:** Verified

Date: September 30, 1992

1. **Data Base Title:** Freshwater and Anadromous Data (FAFP)
2. **Contact Person:**
Rex Porter, Head
Salmonid and Habitat Sciences Division
Science Branch
Department of Fisheries and Oceans
P.O. Box 5667
St. John's, Newfoundland A1C 5X1
Tel (709) 772-4515 Fax (709) 772-2156
3. **Purpose:**
To provide advice to regional, national and international fisheries managers on commercially and recreationally important freshwater and anadromous fishers in the Newfoundland Region
4. **Access/Fees/Restrictions:**
Through contact person / N.A. / Restrictions as imposed by Science Director, Newfoundland Region
5. **Geographical Coverage/Scale:**
Includes (a) stocks originating in Newfoundland-Labrador lakes and rivers, (b) stocks originating in rivers of other provinces and caught in the commercial fisheries in Newfoundland and in West Greenland
6. **Geographic Referencing:**
Specific to data file
7. **Period of Record/Update Frequency:**
Late 1940's to 1992/Update frequency could be daily, weekly, monthly or yearly as required
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Salmon - length frequency; commercial landings and sampling in Nfld and Labrador; commercial sampling in West Greenland; research sampling; marine and freshwater tagging; discrimination analysis; maturity/fecundity; set details; food and feeding; drift net catches and average catch for Nfld and Labrador; trap counts; aging/scales; smolt sampling data; sampling and environmental fish farm data; smolt and fry enumeration data; juvenile sampling data including production, length at age, length/weight, mark-recapture; counting fence and fishway data.
Char - commercial sampling and landings in Labrador; river sampling; length/weight; morphometrics and meristics; length frequency; food and feeding; otolith measurements; hydrographic data; biological characteristics (circuli counts); counting fence and fishway data.
Other - creel census; water quality data; experimental ponds data; stickleback data; zooplankton biomass; invertebrate data; river discharge data; angler logbook; fishermen's survey; angling statistics; stream catalogue data; mercury data; acid rain lake data; acid rain fish data; hydrology data; electrofishing studies; stomach contents data; stream habitat management data; Gadaleich entrainment tag data; fish parasite data
10. **Sampling Procedures:**
The sampling procedures used are specific to the type of research being conducted. Information on sampling procedures would have to be dealt with individually

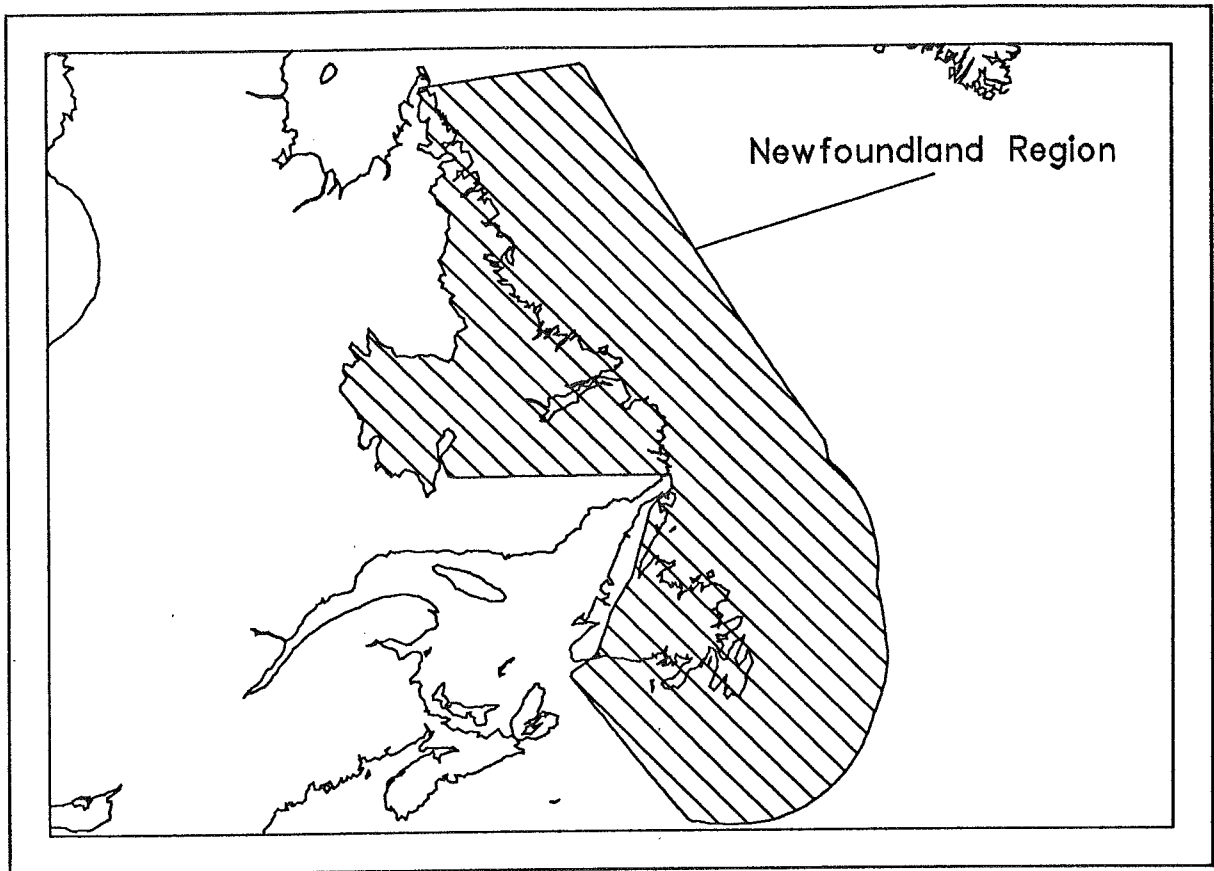
- 11. **Program Type:**
Assessment/Research/Monitoring
- 12. **Size/Growth:**
1.92 Million records in 132 data files/Growth specific to data file
- 13. **Environmental Legislation:**
N/A
- 14. **Computer System:**
VAX/VMS
- 15. **Comments:**
None
- 16. **Map:**



- 17. **Signature:** Verified
- Date:** September 30, 1992

1. **Data Base Title:** Shellfish and Mammals
2. **Contact Person:**
George Winters, Head
Pelagic, Shellfish and Marine Mammals Division
Science Branch
Department of Fisheries and Oceans
P.O. Box 5667
St. John's, Newfoundland A1C 5X1
Tel (709) 772-2000 Fax (709) 772-2156
3. **Purpose:**
To provide reliable real-time biological advice to national and international fisheries managers on the management of important shellfish and marine mammal species in the marine environment
4. **Access/Fees/Restrictions:**
Through contact person / N.A. / Restrictions as imposed by Science Director, Newfoundland Region
5. **Geographical Coverage/Scale:**
Newfoundland and Labrador marine waters
6. **Geographic Referencing:**
Specific to data file
7. **Period of Record/Update Frequency:**
1969 to 1992/Update frequency could be daily, weekly, monthly or yearly as required
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Lobster - tagging and recapture; environmental data; shell condition; commercial length samples.
Shrimp - length frequencies (research and commercial); log data.
Crab - mating pairs; tagging and recapture; set details; sampling-research; sampling-commercial and miscellaneous; fecundity; camera survey and measurement.
Squid - length frequencies; samples; catch/effort data; environmental data; stomach otoliths; length-weight-sex data; statolith aging; maturity/length frequencies; beak measurements; parasite samples.
Clam - length-height data; biological samples.
Scallop - samples; height frequency; prot sampling; meat weights; set details; station designations.
Seal - aerial photo analysis; ovary data; age composition data; tag and recapture (hood and harp seals); morphometric data; stomach contents; testes data; grey and harbour seal tag recoveries.
Other - octopus parameters; marine mammal sightings
10. **Sampling Procedures:**
The sampling procedures used are specific to the type of research being conducted. Information on sampling procedures would have to be dealt with individually
11. **Program Type:**
Research/survey

- 12. **Size/Growth:**
1.83 million records in 79 files/Growth specific to file
- 13. **Environmental Legislation:**
N/A
- 14. **Computer System:**
VAX/VMS
- 15. **Comments:**
None
- 16. **Map:**

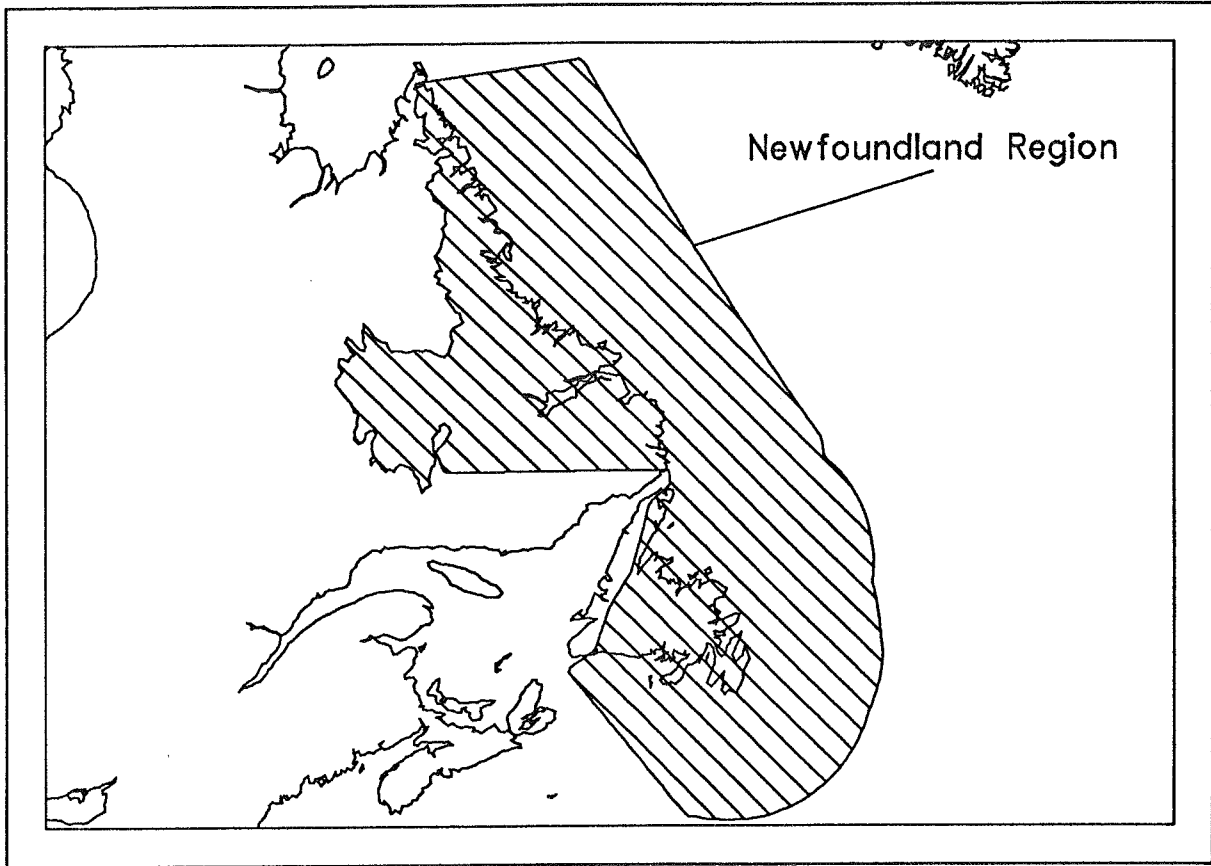


- 17. **Signature:** Verified
- Date:** September 30, 1992

1. **Data Base Title:** Pelagic Data (PELAG)
2. **Contact Person:**
George Winters, Head
Pelagic, Shellfish and Marine Mammals Division
Science Branch
Department of Fisheries and Oceans
P.O. Box 5667
St. John's, Newfoundland A1C 5X1
Tel (709) 772-2027 Fax (709) 772-2156
3. **Purpose:**
To provide reliable real-time biological advice to national and international fisheries managers on the management of important pelagic species in the marine environment
4. **Access/Fees/Restrictions:**
Through contact person / N.A. / Restrictions as imposed by Science Director, Newfoundland Region
5. **Geographical Coverage/Scale:**
Newfoundland and Labrador marine waters
6. **Geographic Referencing:**
Specific to data file
7. **Period of Record/Update Frequency:**
1966 to 1992/Update frequency could be daily, weekly, monthly or yearly depending on database
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Capelin - samples; tagging and recapture; length-sex-maturity; meristics; logbook-search time; logbook-sets; larval measurements; larval emergence; beach core samples; sediment samples.
Herring - samples by area; tag returns; tagging and recapture; length-sex-maturity; age frequency; landings; plant turnouts; acoustic school size; gillnet program.
Other - mackerel and sand lance samples; mackerel tagging and recapture.
10. **Sampling Procedures:**
The sampling procedures are specific to the type of research being conducted. Information on sampling procedures would have to be dealt with individually
11. **Program Type:**
Research/surveys
12. **Size/Growth:**
1.08 million records in 51 files/Growth specific to file
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX/VMS

15. **Comments:**
None

16. **Map:**

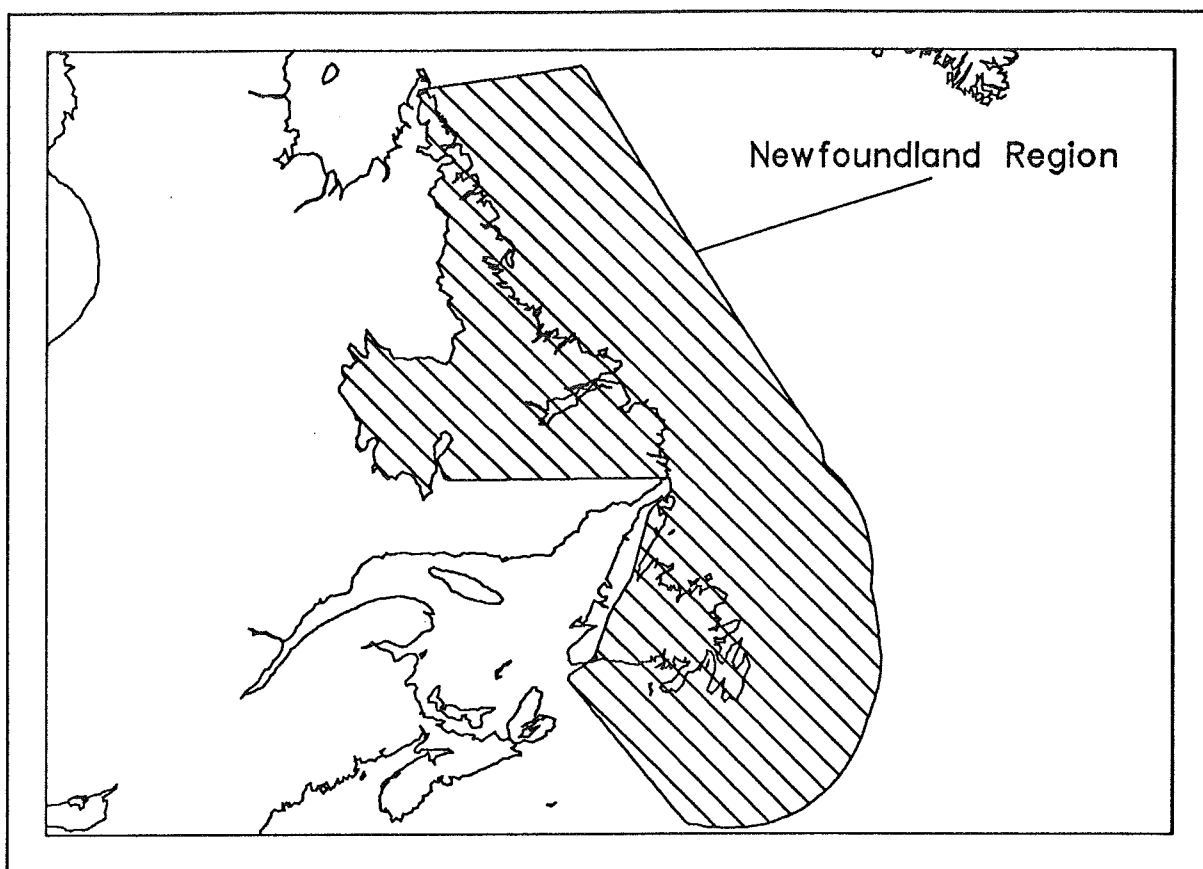


17. **Signature:** _____ Verified _____

Date: September 30, 1992

1. **Data Base Title:** Research Set Detail Data (SDET)
2. **Contact Person:**
Bruce Atkinson, Head
Groundfish Division
Science Branch
Department of Fisheries and Oceans
P.O. Box 5667
St. John's, Newfoundland A1C 5X1
Tel (709) 772-2052 Fax (709) 772-2156
3. **Purpose:**
Used as a tool in the estimation of the population of various marine fish species
4. **Access/Fees/Restrictions:**
Through contact person / N.A. / Restrictions as imposed by Science Director,
Newfoundland Region
5. **Geographical Coverage/Scale:**
Newfoundland and Labrador waters
6. **Geographic Referencing:**
Specific to data file
7. **Period of Record/Update Frequency:**
Late 1940's to 1992/Update frequency could be daily, weekly, monthly or yearly depending
on database
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Set details from various sources such as fisheries research vessels, foreign ships etc.
10. **Sampling Procedures:**
The sampling procedures are specific to the type of research being conducted. Information
on sampling procedures would have to be dealt with individually
11. **Program Type:**
Monitoring
12. **Size/Growth:**
445,000 records in 24 files/Growth specific to file
13. **Environmental Legislation:**
N/A
14. **Computer System:**
VAX/VMS
15. **Comments:**
None

16. Map:

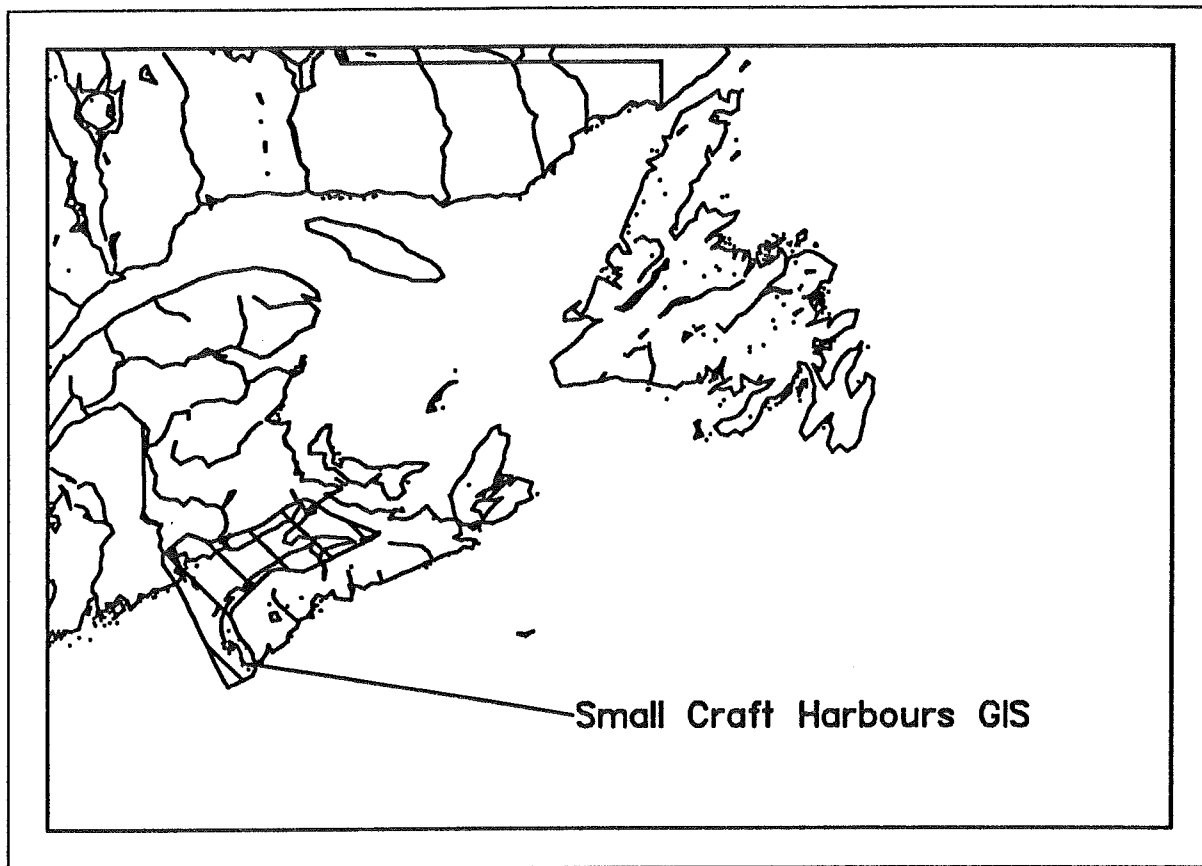


17. Signature: Verified
Date: September 30, 1992

Small Craft Harbours Branch Scotia- Fundy Region

1. **Data Base Title:** Small Craft Harbours Branch GIS
2. **Contact Person:**
Robert J. MacDonald
Small Craft Harbours Branch
Department of Fisheries and Oceans
P.O. Box 550
Halifax, N.S. B3J 2S7
Tel (902) 426-973 Fax (902) 426-6363
3. **Purpose:**
To manage Branch information
4. **Access/Fees/Restrictions:**
In development
5. **Geographical Coverage/Scale:**
Specifically the harbours administered by DFO and surrounding lands
6. **Geographic Referencing:**
To be determined
7. **Period of Record/Update Frequency:**
To be determined
8. **Format:**
To be determined
9. **Data Types/Parameters Measured:**
Marine infrastructure, dredging, land use, navigation/transportation, land ownership, lease information
10. **Sampling Procedures:**
On site
11. **Program Type:**
Management
12. **Size/Growth:**
N/A
13. **Environmental Legislation:**
N/A
14. **Computer System:**
IBM Compatible PC 486, Caris
15. **Comments:**

16. Map:



17. Signature: Verified
Date: June 8, 1992

Appendix

Department of Fisheries and Oceans
Atlantic

Directory of Data Bases

(Please complete a form for each data base)

- 1) Data Base Title: Page Form
- 2) Contact Person (name, address, title, phone, fax, E-mail):
- 3) Purpose (primary intended purpose):
- 4) Access/Fees/Restrictions (add description):
- 5) Geographical Coverage/Scale:
- 6) Geographic Referencing (i.e. coordinate system):
- 7) Period of Record/Update Frequency:
- 8) Format (digital, hardcopy, maps, plans, reports, photos, scale):
- 9) Data Types/Parameters Measured (specific data elements):
- 10) Sampling Procedures (on site surveys, remote sensing, etc.):
- 11) Program Type (monitoring, mapping, research, surveys):
- 12) Size/Growth (# of records, freq. of updates, % annual growth):
- 13) Environmental Legislation (relevant to this data):
- 14) Computer System (hardware/software):
- 15) Comments (any additional information):

16) Map (indicate areas of data holdings):

Not Available for this edition

Signature: _____

Date: _____

Excerpts from the Interagency Committee on Geomatics Environmental Reporting Databases

The following pages are taken from the table of contents of the Interagency Committee on Geomatics "Environmental Reporting Databases: Federal Government". For more information please contact:

Murray Cameron

National Accounts and Environment Division

Statistics Canada

21st Floor, R.H. Coats Bldg.

Ottawa

Fax: (613) 951-9031

Fisheries and Oceans Scotia-Fundy Region

Fisheries and Oceans Database	Contact Name(s) and Phone Numbers	This Vol.
Atlantic and Arctic Biological Oceanographic Database	Dr. T. Platt (902) 426-3793	No
Atlantic Satellite Imagery Database (NOAA AVHRR Data)	Ms. Linda Payzant (902) 426-8232 Dr. B.J. Topliss (902) 426-8232	No
Bay of Fundy Invertebrate Fishery	Dr. Peter Lawton (506) 529-8854 Dr. Shawn Robinson (506) 529-8854 Mr. Gerald Fawkes (506) 529-8854	Yes
Bay of Fundy Larval Herring Database	Dr. Robert L. Stephenson (506) 529-8854	No
Chemical Characteristics of Nova Scotia Rivers 1982-1985	Dr. Walton Watt (902) 426-3606 Dr. Gil Farmer (902) 426-7819 Mr. Wesley White (902) 426-3576	Yes
Long Term Ocean Temperature Monitoring (CMCTD) Database	Mr. Doug Gregory (902) 426-8931	Yes
Marine Chemistry Database	Dr. J.M. Bowers (902) 426-7079	Yes
Ocean Current (CMCTD) Database	Mr. Doug Gregory (902) 426-8931	Yes
Ocean Temperature and Salinity Profiles (CMCTD) Database	Mr. Doug Gregory (902) 426-8931	Yes
PCB Content of Plankton in Nova Scotia	Mr. Gareth Harding (902) 426-2692	No

Phytoplankton Monitoring Program, Atlantic Zone	Dr. Don Gordon (902) 426-3278	Yes
Scotia-Fundy Commercial Herring Database	Dr. Robert L. Stephenson (506) 529-8854	No
Scotia-Fundy Groundfish Sampling Database	Mr. Kees Zwanenburg (902) 426-3310	Yes
Scotia-Fundy Groundfish Surveys	Mr. S. Gavaris (506) 529-8854	Yes
Scotia-Fundy Marine Mammals Database	Dr. Don W. Bowen (902) 426-8909	No
Scotia-Fundy Observer Program (MAROD) Database	Dr. Don E. Waldron (902) 426-2937	Yes
Scotia-Fundy Stream Inventory	Mr. R. Sweeney (902) 426-2253	Yes
Scotia Shelf Ichthyoplankton Database (SSIP)	Mr. R.N. O'Boyle (902) 426-4890	Yes

Fisheries and Oceans Gulf Region

Fisheries and Oceans Database	Contact Name(s) and Phone Numbers	This Vol.
Atlantic Salmon Biological Characteristics	Mr. Ross Claytor (506) 851-6249	No
Atlantic Salmon Electrofishing Database	Mr. Ross Claytor (506) 851-6249	No
Contaminants Database (Fish and Fish Products)	Mr. John McLean (506) 851-6571	Yes
Gulf of St. Lawrence Commercial Fish Samples (COMSAM)	Mr. John Wright (506) 851-6985	No
Gulf of St. Lawrence Fish Counting Fence Database	Mr. Ross Claytor (506) 851-6249 Mr. Michael Chadwick (506) 851-6206	No
Gulf of St. Lawrence Integrated Fisheries Management System (HABITAT)	Mr. John Legault (506) 851-6221	Yes
Gulf Region Commercial Snow Crab Fishery	Mr. Gerard Conan (506) 857-6208 Mr. Elmer Wade (506) 857-6210	No
Lobster Fishing Effort Aerial Survey Data	Mr. Don Maynard (506) 857-6212	No
Lobster Movement Database	Mr. Elmer Wade (506) 857-6210 Mr. Don Maynard (506) 857-6212	Yes
Phytoplankton Water-Watch	Mr. John McLean (506) 851-6571	No
PSP and Domoic Acid in Shellfish	Mr. John McLean (506) 851-6571	Yes

Sea Sampling for the Lobster
Gulf Fishery

Mr. Elmer Wade
(506) 857-6210
Mr. Don Maynard
(506) 857-6212

Yes

Fisheries and Oceans Newfoundland Region

Fisheries and Oceans Database	Contact Name(s) and Phone Numbers	This Vol.
Inventory of Fish Diseases in Freshwater Fish in Newfoundland	Mr. M.C. Mercer (709) 772-2027	Yes
Newfoundland Experimental Aquatic Ecology Database (EXPEC)	Mr. M.C. Mercer (709) 772-2027	Yes
Newfoundland Fisheries Inspection Services Branch Database	Ms. Joyce Noseworthy (709) 772-4424	No
Newfoundland Foreign Fishing Vessel Observer Program Database	Mr. Larry Cody (709) 772-5057	No
Newfoundland Freshwater and Anadromous Fish Database (FAFP)	Mr. M.C. Mercer (709) 772-2027	Yes
Newfoundland Groundfish Database (GFISH)	Mr. M.C. Mercer (709) 772-2027	Yes
Newfoundland Invertebrate Data (INVERT)	Mr. M.C. Mercer (709) 772-2027	Yes
Newfoundland Pelagic Fish Database (PELAG)	Mr. M.C. Mercer (709) 772-2027	Yes

**ATLANTIC
COASTAL ZONE
DATABASE DIRECTORY**

Environment Canada

**Version 1.0
October 1992**

The Atlantic Coastal Zone Database Directory is published by the Atlantic Coastal Zone Information Steering Committee (ACZISC). This portion of the Directory comprises Environment Canada's component of the Directory and represents the most up-to-date inventory of the federal Department of the Environment's databases relevant to the Atlantic coastal zone. It represents an updating and expansion of a catalogue of environmental databases that the Department has been compiling for the past several years. The information will be updated and expanded on a regular basis and provided through the ACZISC to those expressing an interest in our databases.

For more detailed information on specific Environment Canada databases, please feel free to communicate with the contact persons identified on the inventory sheets. For general information on Environment Canada's database inventory and the Department's role on the Atlantic Coastal Zone Information Steering Committee, please contact:

Larry Hildebrand
Senior Advisor,
Marine Environmental Quality
Conservation and Protection
Environment Canada
Queen Square, 15th Floor
45 Alderney Drive
Dartmouth, Nova Scotia
Canada B2Y 2N6

Tel (902) 426-9632
Fax (902) 426-8373

ATLANTIC COASTAL ZONE DATABASE DIRECTORY

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ENVIRONMENT CANADA

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ATLANTIC COASTAL ZONE DATABASE DIRECTORY

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ATLANTIC COASTAL ZONE DATABASE DIRECTORY

ENVIRONMENT CANADA

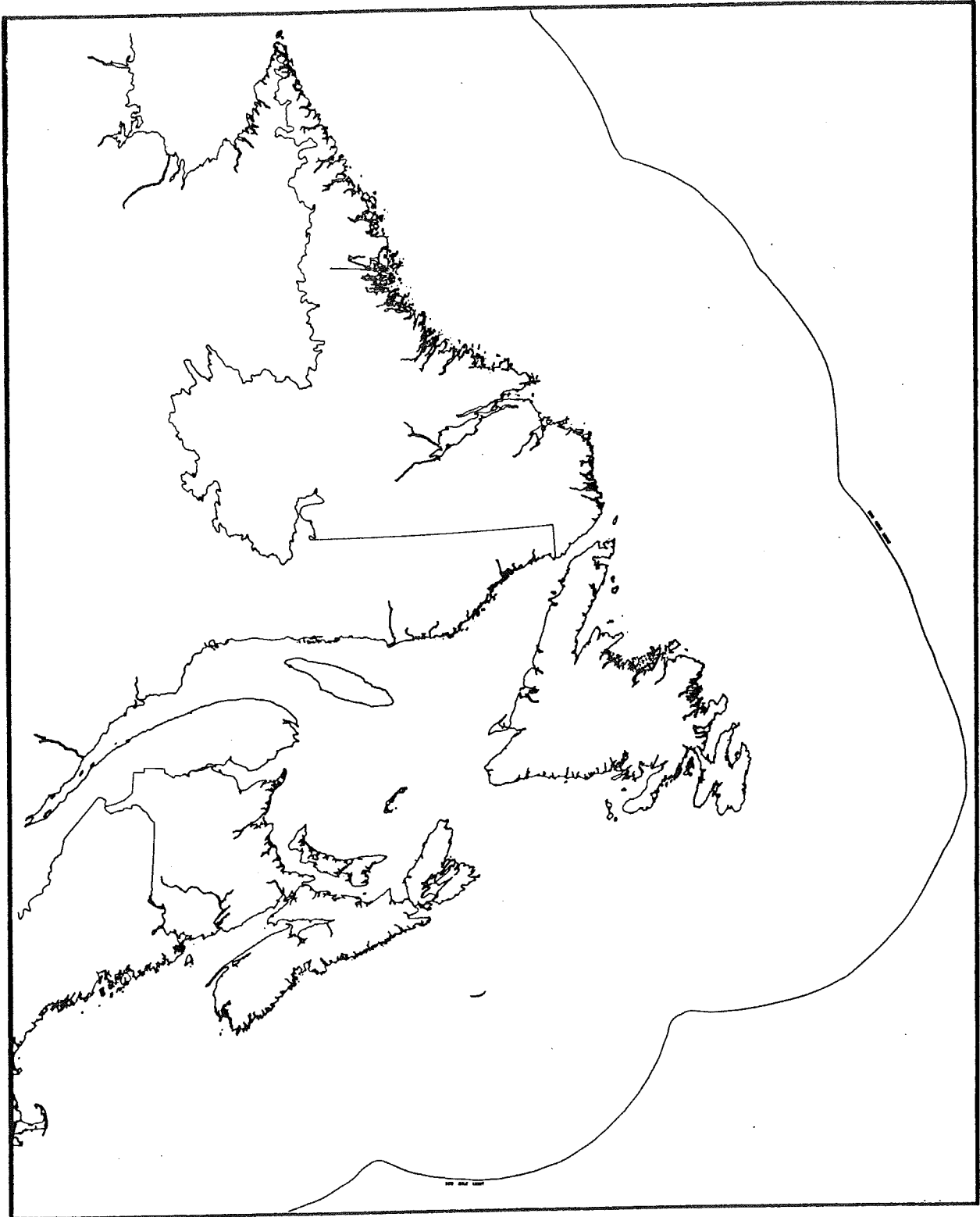
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1. **Database Title: BAPMoN (Background Air Pollution Monitoring Network)**
2. **Contact Person:**
Dr. Marlene Phillips or
Dr. Neil Trivett
Atmospheric Environment Service
Environment Canada
4905 Dufferin Street
Downsview, Ontario M3H 5T4
Tel (416) 739-4449, (416) 739-4447
3. **Purpose:**
To measure greenhouse gases either continuously or weekly for the purpose of analyzing trends and predicting climatic impacts
4. **Access/Fees/Restrictions:**
Access: Through contact persons
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
West Coast - Cape St. James; East Coast - Sable Island; High Arctic - Alert
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1975 to present
Updated annually
8. **Format:**
Digital
Hard-copy: Tables
9. **Data Types/Parameters Measured:**
Chemical: Carbon dioxide levels
10. **Sampling Procedures:**
Flask sampling, non-dispersive infrared, gas chromatography
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

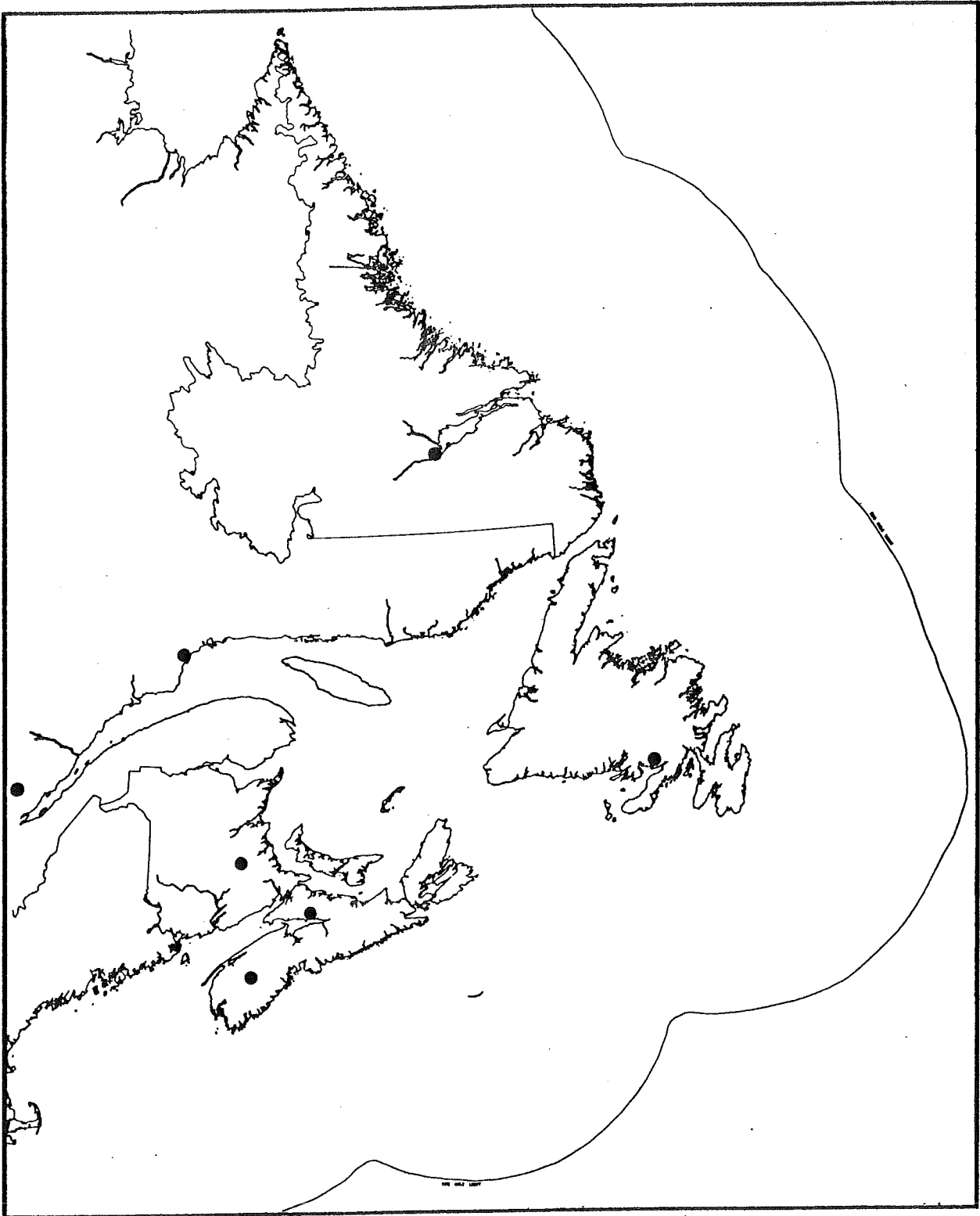


17. Signature: Unverified

Date:

1. **Database Title: CAPMoN (Canadian Air and Precipitation Monitoring Network)**
2. **Contact Person:**
Bill Sukloff
Atmospheric Environment Service
Environment Canada
4905 Dufferin Street
Downsview, Ontario M3H 5T4
Tel (416) 739-4456; Fax (416) 739-5704
3. **Purpose:**
To measure on a regional scale, spatial and temporal variation and long-term trends in regional scale precipitation and air chemistry
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Canada - land-based stations
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
1983 to present (data available for 1977-83 from the earlier CANSAP and APN networks)
Updated annually
8. **Format:**
Digital: Magnetic tape or Floppy disk
Hard-copy: Annual report
9. **Data Types/Parameters Measured:**
Physical: Precipitation amount and type, snowfall cover
Chemical: Precipitation concentrations - pH, sulphate, nitrate, ammonia, chloride, potassium, magnesium, sodium, calcium; Air concentration - particulate sulphate, nitrate, chloride, ammonium, sodium, potassium, gaseous sulphur dioxide, nitric
10. **Sampling Procedures:**
Daily (24 hour) measurements using automatic precipitation chemistry samplers, standard rain gauges, filter pack air monitoring samplers
11. **Program Type:**
Regional-scale monitoring
12. **Size/Growth:**
Growth of 5000 records per year
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: National Advance Systems AS9060 IBM compatible mainframe
Operating system:
Software: M204, SAS
15. **Comments:**

16. Map Indicating areas of data holdings:

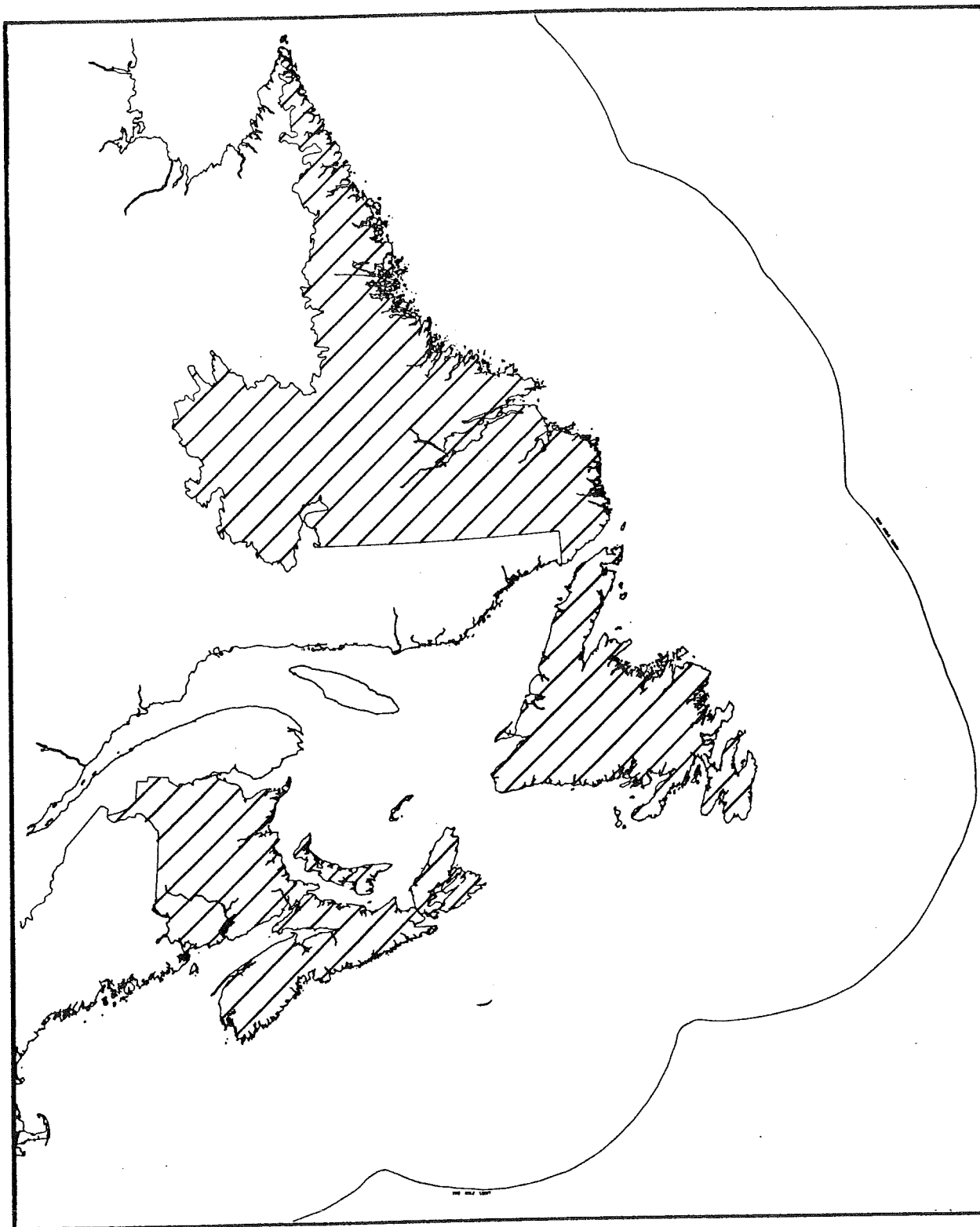


17. Signature: Verified

Date: June 16, 1992

1. **Database Title: Digital Archives of Canadian Climatological Data**
2. **Contact Person:**
Frank Amirault
Atmospheric Environment Service
Environment Canada
Bedford Tower, 5th Floor
1496 Bedford Highway
Bedford, Nova Scotia B4A 1E5
Tel (902) 426-9226; Fax (902) 426-9158
3. **Purpose:**
To provide inventory of Canadian climatological data
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fee: Fee may be charged
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - weather stations (land-based) throughout the region
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1953 to present
Update continuously
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical: Hourly weather, rainfall, temperature, sunshine solar radiation, soil temperature, pan evaporation, wind speed and direction
10. **Sampling Procedures:**
Automatic and manual weather observations
11. **Program Type:**
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Mainframe
Operating system:
Software:
15. **Comments:**
Most of the data is accumulated through manual observations, although more is being automated with time.

16. Map indicating areas of data holdings:

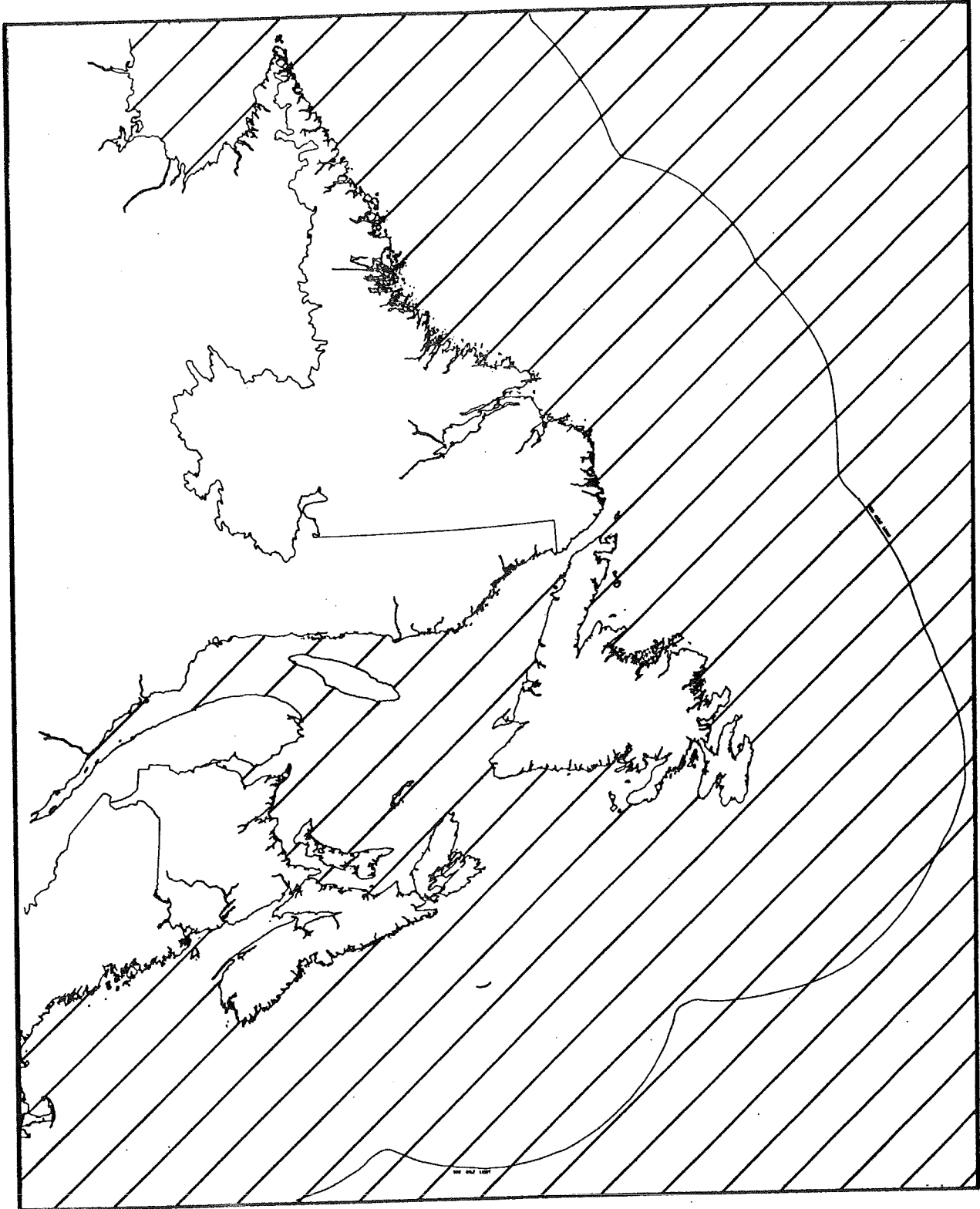


17. Signature: Unverified

Date:

1. **Database Title: Marine Climatological Data - Hydrometeorology and Marine Division, Canadian Climate Centre**
2. **Contact Person:**
John Dublin
Atmospheric Environment Service
Environment Canada
1496 Bedford Highway
Bedford, Nova Scotia B4A 1E5
Tel (902) 426-9135; Fax (902) 426-9158
3. **Purpose:**
To provide capability for easy and rapid analysis of marine climate and ice data in a form appropriate for decision makers in industry or government
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: Variable, depending on nature and size of the request;
Restrictions: None
5. **Geographical Coverage/Scale:**
Offshore and coastal areas of Canada, including the Atlantic Canada offshore
6. **Geographical Referencing:**
Latitude/Longitude in degrees
7. **Period of Record/Update Frequency:**
Depends on each individual data set, some start in the early 1800s;
updated approximately every 5 years
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical: Waves, winds, ice cover, air and water temperature, air pressure, storm tracks, present weather codes
10. **Sampling Procedures:**
Estimated or observed data, measured data from rigs, some data based on models
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
5 million records; 2% annual growth
13. **Environmental Legislation relevant to this data:** None
14. **Computer System:**
Host computer: IBM mainframe
15. **Comments:**
Series of marine climate and ice databases which can be accessed through the following: MAST, for tabular and graphical summaries of marine and coastal station meteorological reports; CONAN, for contour analysis of marine climate parameters and derived statistics; DUST, for persistence and extreme value analysis and time series plots; SPASM, for detailed climatological analysis of surface pressure data; CRISP, for tabular, graphical and contour plot summaries of sea ice, snow cover and degree-day information.

16. Map Indicating areas of data holdings:

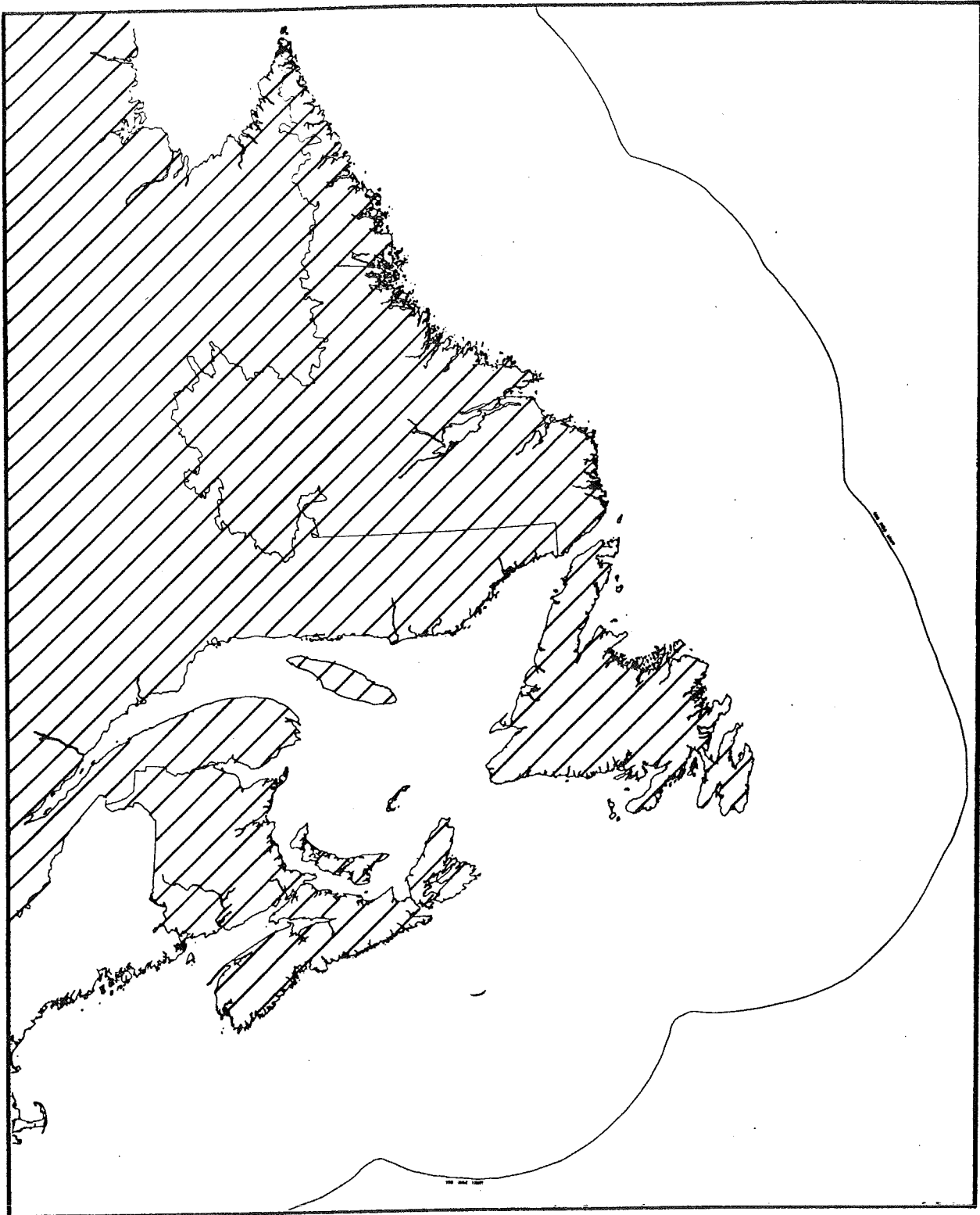


17. Signature: Verified

Date: August 12, 1992

1. **Database Title: NATCHEM (National Atmospheric Chemistry Database)**
2. **Contact Person:**
C. Ro
Atmospheric Environment Service
Environment Canada
4905 Dufferin Street
Downsview, Ontario M3H 5T4
Tel (416) 739-4455
3. **Purpose:**
To consolidate all Canadian precipitation chemistry and site data into a single database
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: To be determined; Restrictions: None
5. **Geographical Coverage/Scale:**
Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1977 to present; updated annually
8. **Format:**
Digital; Hard-copy: Contour maps, statistical reports
9. **Data Types/Parameters Measured:**
Physical: Precipitation amount and type, snowfall cover
Chemical: pH, sulphate, nitrate, ammonium, chloride, potassium, calcium, magnesium; will be adding metals and other toxic contaminants at a later date.
10. **Sampling Procedures:**
Automated precipitation samplers and standard precipitation gauges
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM compatible mainframe and PC
Operating system:
Software: dBASE III+
15. **Comments:**
Parameter contour maps and statistical analysis will be performed from data in the database. Still being developed and will include:
CANSAP - Canadian Network for Sampling Precipitation
CAPMoN - Canadian Air and Precipitation Monitoring Network
Provincial precipitation monitoring networks
U.S. annual and seasonal precipitation chemistry statistics
Provincial and federal air monitoring network descriptive information.

16. Map Indicating areas of data holdings:

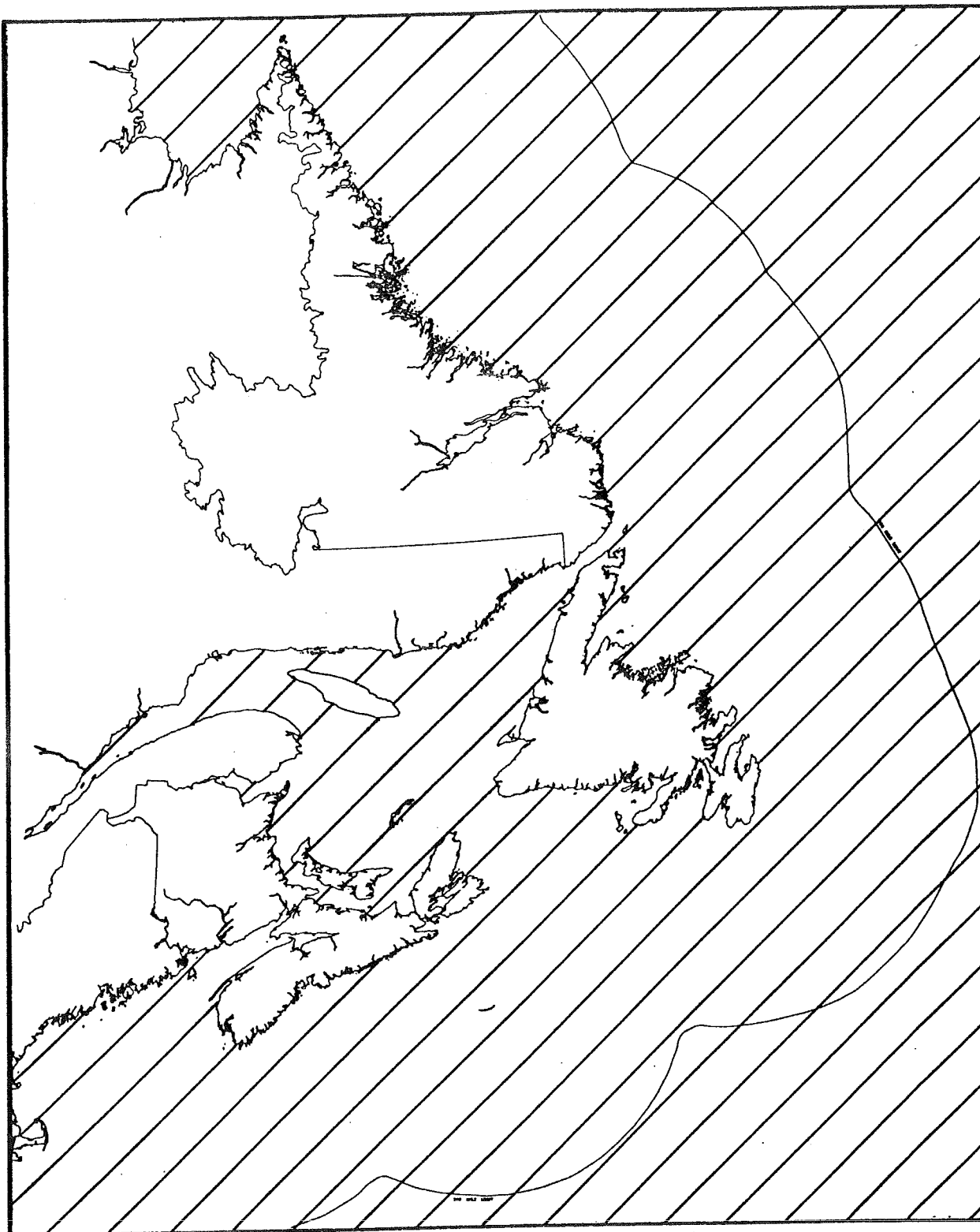


17. Signature: Unverified

Date:

1. **Database Title: National Archive (Climate)**
2. **Contact Person:**
Frank Amirault
Atmospheric Environment Service
Environment Canada
Bedford Tower, 5th Floor
1496 Bedford Highway
Bedford, Nova Scotia B4H 1E5
Tel (902) 426-9226; Fax (902) 426-9158
3. **Purpose:**
To maintain an archive of marine, surface and upper air climate data for Canada
4. **Access/Fees/Restrictions:**
Access: Through contact
Fees: Price schedule applies
Restrictions: None
5. **Geographical Coverage/Scale:**
National and adjacent waters
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1840 to present
Updated monthly
8. **Format:**
Digital
Hard-copy: Paper and micrographic
9. **Data Types/Parameters Measured:**
Physical: Hourly weather, daily and monthly climate, ice, marine, etc.
10. **Sampling Procedures:**
Information collected from individual monitoring stations
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

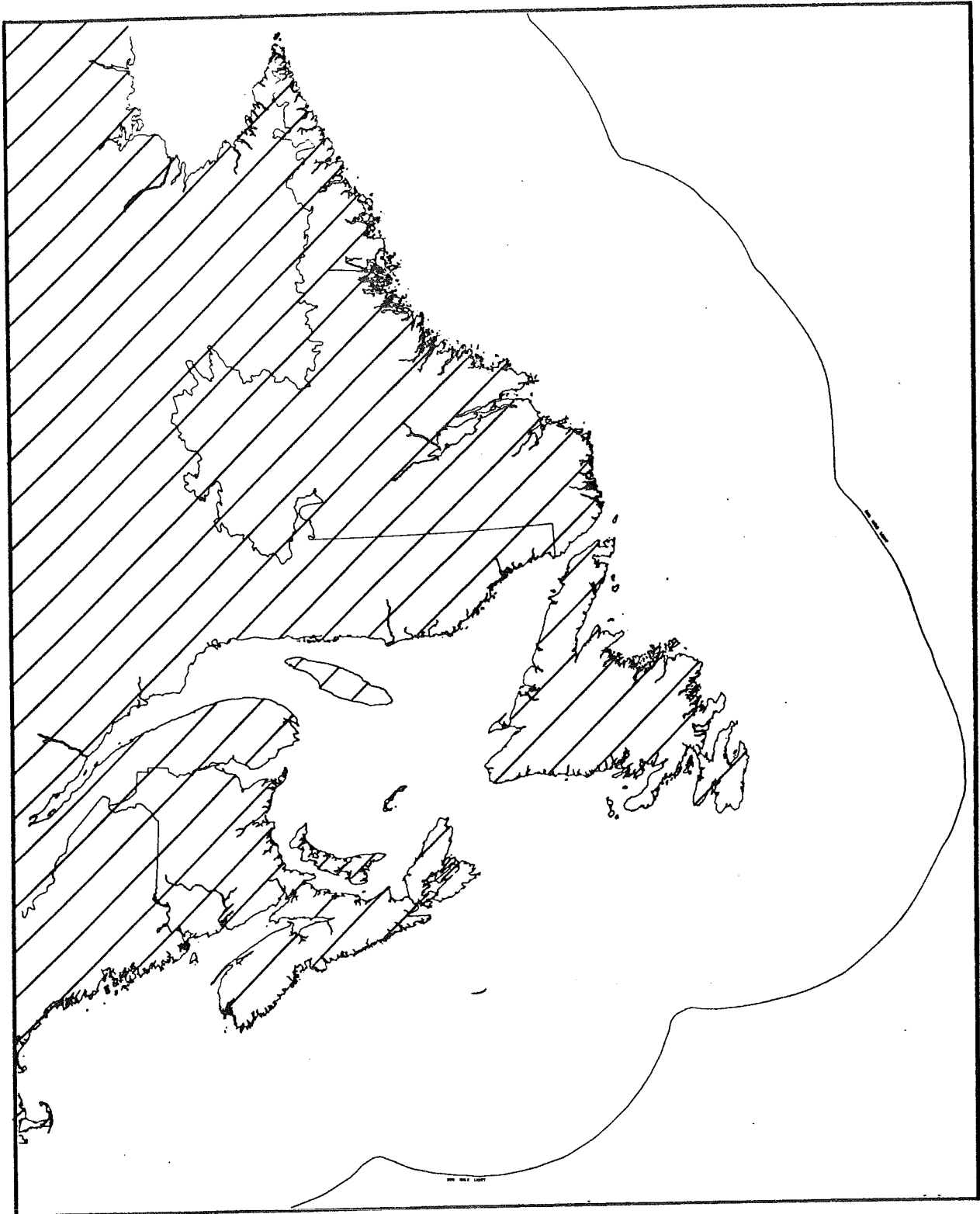


17. Signature: Not signed

Date:

1. **Database Title: Bird Banding and Recovery Database**
2. **Contact Person:**
Connie Downs
National Wildlife Research Centre
Canadian Wildlife Service
Environment Canada
100 Gamelin Blvd
Hull, Québec K1A 0H3
Tel (819) 997-4213
3. **Purpose:**
To document the location and movement of birds
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: May involve a cost recovery fee
Restrictions: Person doing banding has 1st publication rights - restriction for endangered or protected species
5. **Geographical Coverage/Scale:**
Canada, United States, Mexico, Caribbean
6. **Geographical Referencing:**
Latitude/longitude and 10 minute squares
7. **Period of Record/Update Frequency:**
Since 1908 for recoveries; 1950s to present
Updated annually in October
8. **Format:**
Digital: Available on 9-track and floppy disk
Hard-copy: Published reports
9. **Data Types/Parameters Measured:**
Biological: Species of birds, locations of banding and recovery, attributes of birds
10. **Sampling Procedures:**
Banding and recovery of banded birds
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM mainframe
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

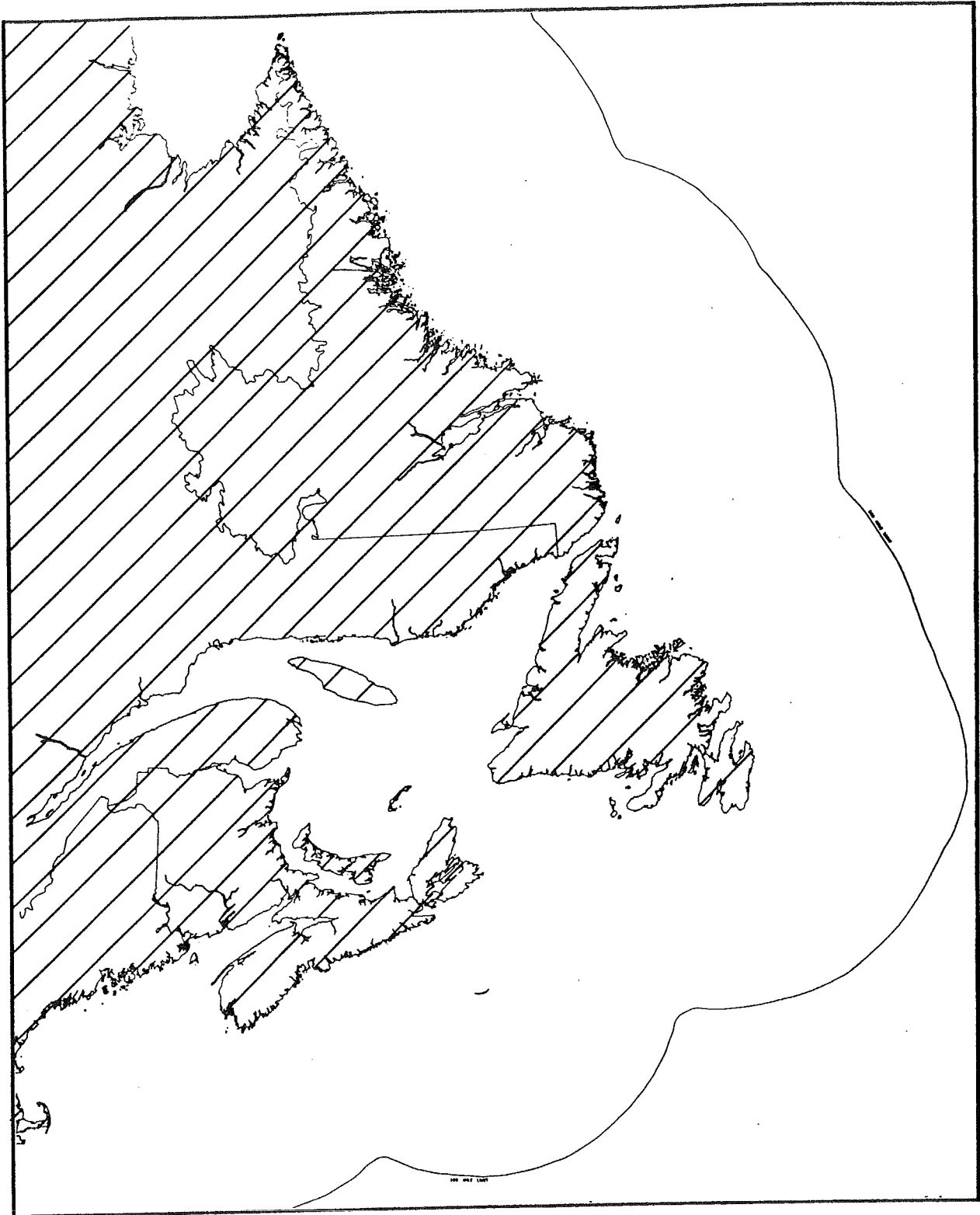


17. Signature: Unverified

Date:

1. **Database Title: Breeding Bird Survey**
2. **Contact Person:**
Connie Downs
National Wildlife Research Centre
Canadian Wildlife Service
Environment Canada
100 Gameline Blvd
Hull, Québec K1A 0H3
Tel (819) 997-4213
3. **Purpose:**
To provide information on population trends of songbirds
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: May involve cost recovery fee
Restrictions: None
5. **Geographical Coverage/Scale:**
North America
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1966 to present
Annual update
8. **Format:**
Digital: Available on 9-track tape or floppy disk
Hard-copy
9. **Data Types/Parameters Measured:**
Biological: Counts of breeding birds seen or heard
10. **Sampling Procedures:**
Field surveys - car driven transects by volunteers
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
The Canadian part of this database was initiated in the Maritime Provinces

16. Map Indicating areas of data holdings:

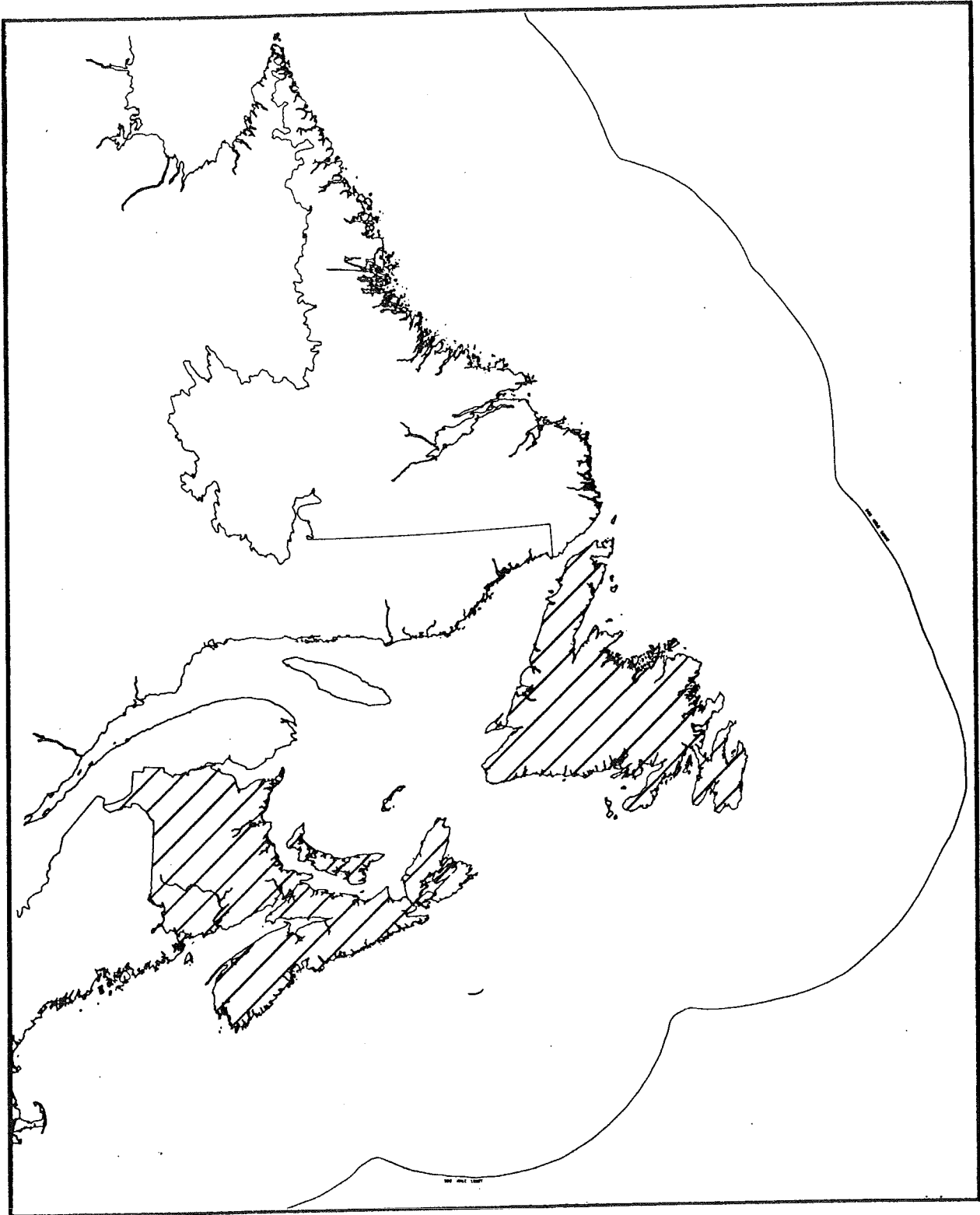


17. Signature: Unverified

Date:

1. **Database Title: Canadian Lakes Loon Survey**
2. **Contact Person:**
Dr. Joseph J. Kerekes
Canadian Wildlife Service
Environment Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-6356; Fax (902) 426-7209
3. **Purpose:**
To develop baseline data on the distribution and abundance of loon populations in the Atlantic Region
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
New Brunswick, Nova Scotia, Newfoundland and Prince Edward Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1991 to present
Updated yearly by project basis
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Territorial pairs of Loons, geographic location number of young, size of lake, water quality
10. **Sampling Procedures:**
On site surveys primarily with volunteers
Core research program
11. **Program Type:**
Monitoring and research survey
12. **Size/Growth:**
200 records in 1991
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM compatible PC
Operating System: MS DOS 5/Windows 3
Software: Words for Windows, Excel, Corel Draw, Systet
15. **Comments:**
This survey is part of the Canadian Lakes Loon Survey and in the fall of 1992, it will be extended as a coastal survey of wintering loons along the coast.

16. Map Indicating areas of data holdings:

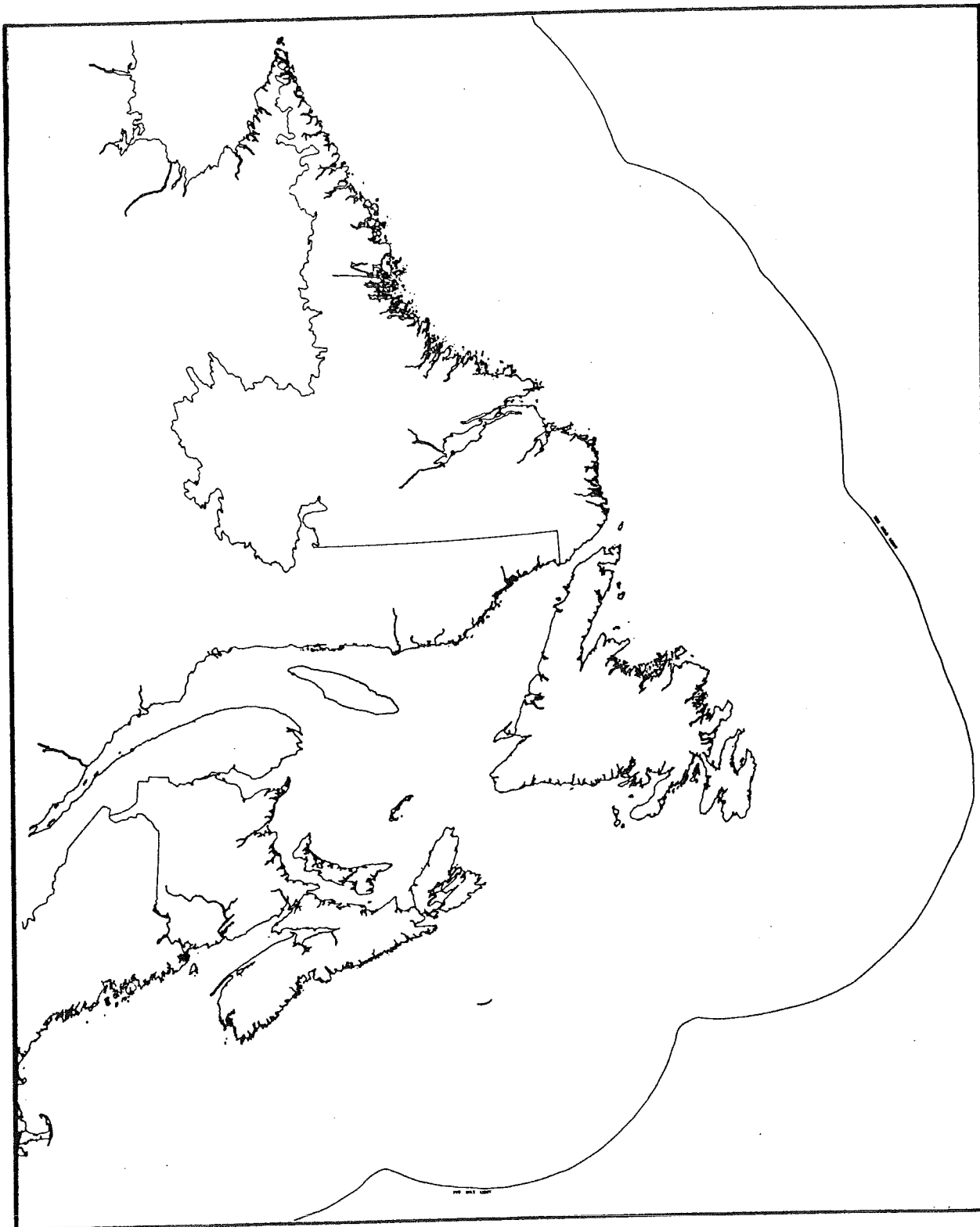


17. Signature: Verified

Date: July 2, 1992

1. **Database Title: Canadian Wildlife Service Seabird Colony Registry**
2. **Contact Person:**
Dr. D.N. Nettleship or Dr. J.W. Chardine
Canadian Wildlife Service, Environment Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-3274
3. **Purpose:**
Database will be used as a tool to manage populations of seabirds in Canada. It will address the need for efficient access to high volume of data on seabird colonies in response to information requirements of environmental emergencies and impact assessment, studies of distribution and abundance, population monitoring, interactions with fisheries, etc.
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: At this time, no charge; Restrictions: None
5. **Geographical Coverage/Scale:**
Northwest Atlantic Ocean including Atlantic Canada and the Gulf of St. Lawrence, the eastern Canadian Arctic and western Greenland; it is planned to make the SCR a national database and include data on seabird colonies from across Canada.
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Database under development at present (Dec. 1988). Database will eventually hold all historic and contemporary data on seabird colonies and will be continually updated as new data are gathered.
8. **Format:**
Digital: Relational, multi-table database. Will be implemented on IBM and Macintosh systems.
9. **Data Types/Parameters Measured:**
Census data for seabird colonies; census methodology; physical data on colony location, personal data on observers; bibliographic data
10. **Sampling Procedures:**
Will vary depending on source of data. Standard methods have been used for data held by CWS. Database will record census methodology and a data quality code resulting from an assessment of method, census conditions, etc.
11. **Program Type:**
Wildlife management, research including survey and monitoring, distribution and abundance.
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:** Host computer: IBM-AT; Software: dBASE III+
15. **Comments:** Our long coastline provides breeding habitat for some of the world's largest and most important seabird populations. Furthermore, outside the breeding season, our ocean waters provide abundant food for seabirds from around the world. Seabirds at sea data have been computerized by the CWS, but colony data have not. Upon completion, the Seabird Colony Registry will provide an important management tool in the conservation and protection of breeding seabirds both in the Atlantic Region and in Canada as a whole.

16. Map indicating areas of data holdings:

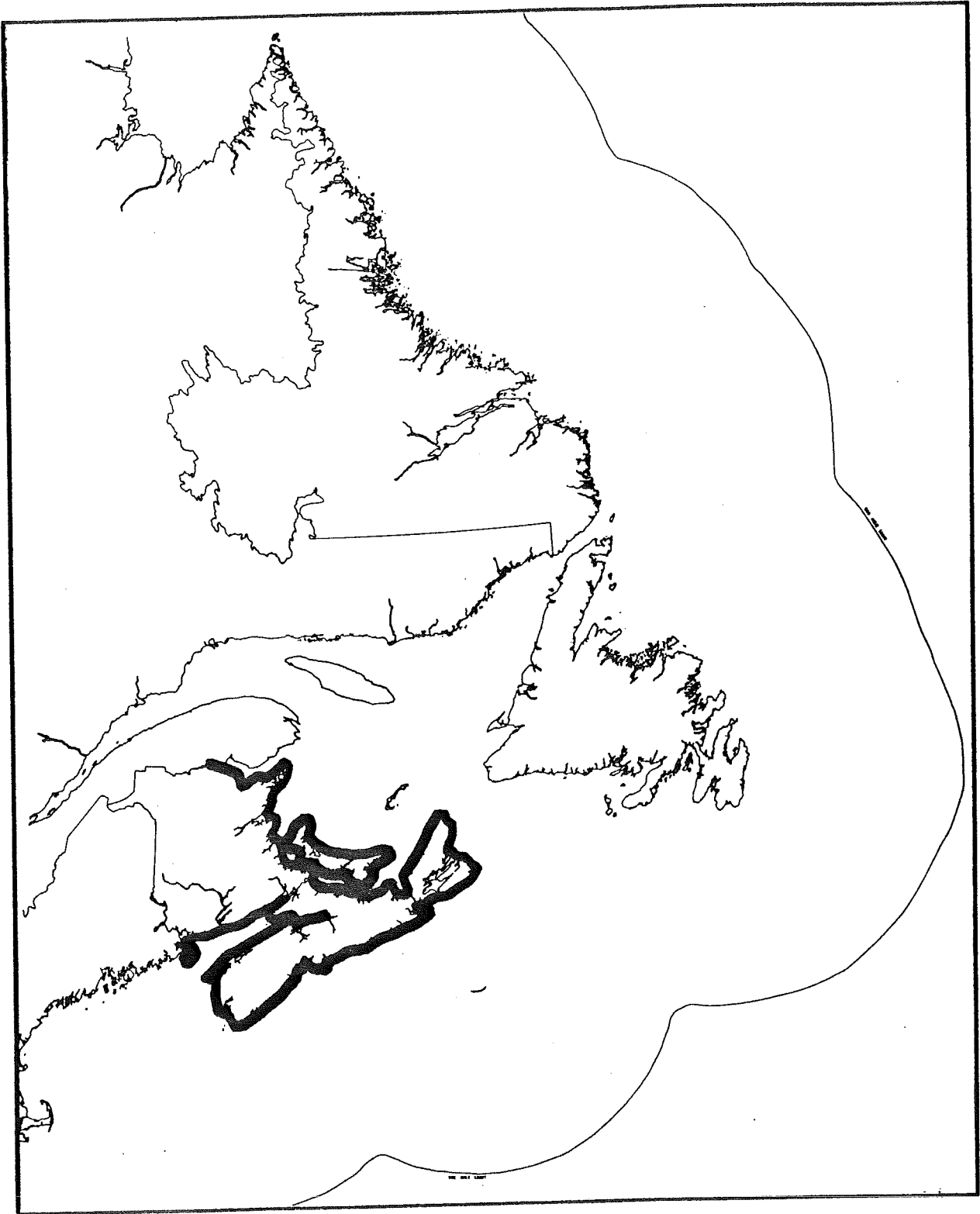


17. Signature: Unverified

Date:

1. **Database Title: Coastal Waterfowl Survey**
2. **Contact Person:**
Bruce Johnson/Myrtle Bateman
Canadian Wildlife Service
Environment Canada
PO Box 1590
Sackville, New Brunswick E0A 3C0
Tel (506) 536-3025; Fax (506) 536-3028
3. **Purpose:**
To document bird distribution and abundance in coastal waters; raw data only
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia, Prince Edward Island, New Brunswick - uneven coverage
6. **Geographical Referencing:**
Numbered survey blocks; no graphics
7. **Period of Record/Update Frequency:**
1966 to present; few surveys flown since 1986
No set survey program
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Biological: Number of birds, location, time of survey, pre- and post-season counts
10. **Sampling Procedures:**
Aerial surveys
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Size not changing
13. **Environmental Legislation relevant to this data:**
Migratory Birds Convention Act
14. **Computer System:**
Host computer:
Operating system:
Software: dBASE IV
15. **Comments:**
Database is uneven in coverage; many areas have limited coverage.

16. Map indicating areas of data holdings:

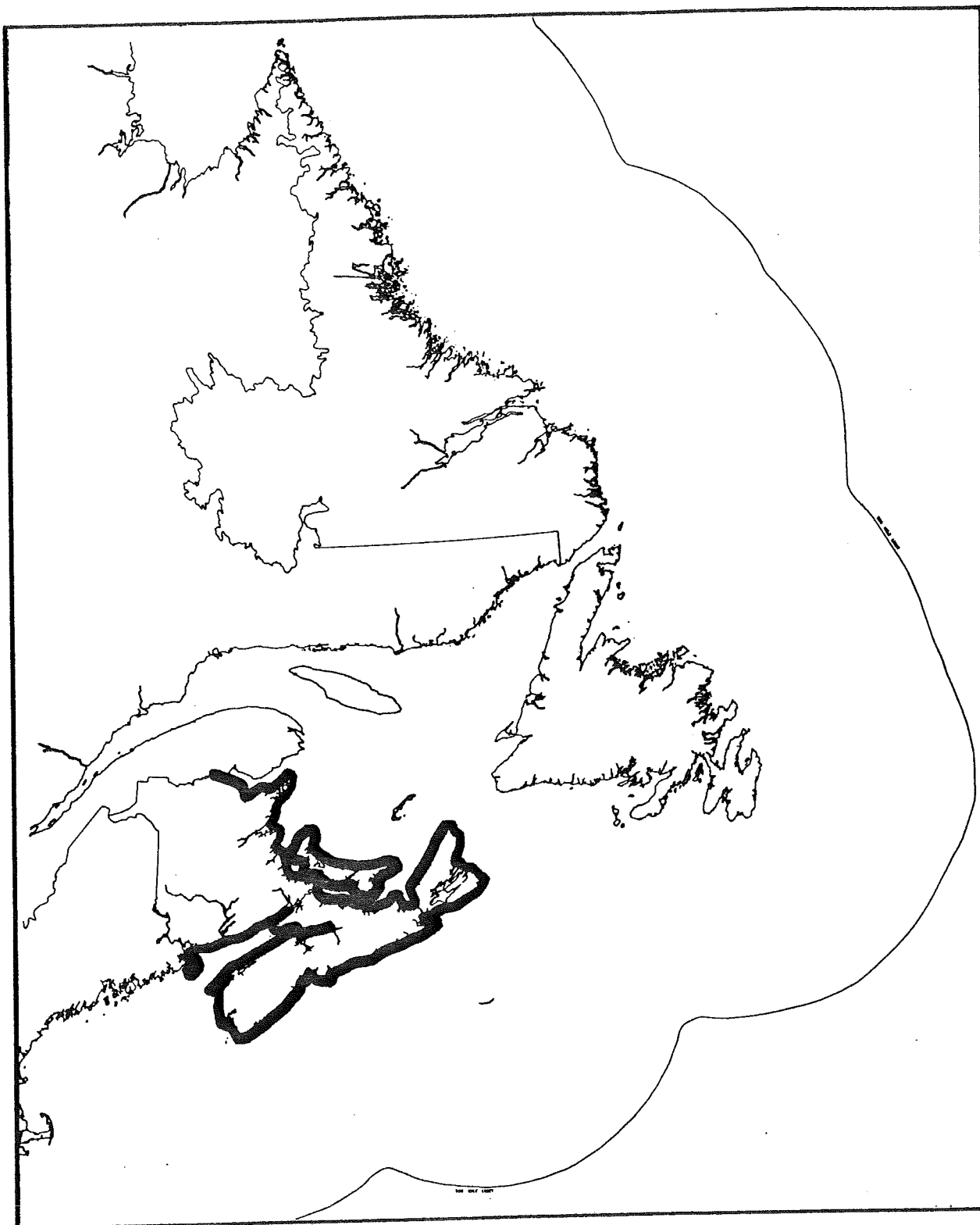


17. Signature: Verified

Date: July 29, 1992

1. **Database Title: Colonial Birds Inventory In the Maritimes - Atlantic Canada**
2. **Contact Person:**
Bruce Johnson/Randy Hicks
Canadian Wildlife Service
Environment Canada
PO Box 1590
Sackville, New Brunswick E0A 3C0
Tel (506) 536-3025; Fax (506) 536-3028
3. **Purpose:**
To maintain an inventory of bird populations at nesting colonies in the Maritime Provinces
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia, Prince Edward Island, New Brunswick - primarily coastal areas
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1960s to present
Updated annually when possible
8. **Format:**
Hard-copy: Binder format on topographic charts
9. **Data Types/Parameters Measured:**
Biological: Number of breeding pairs, location of colonies
10. **Sampling Procedures:**
Ground and aerial surveys and reports from volunteer observers
11. **Program Type:**
Surveys
12. **Size/Growth:**
Minimal growth
13. **Environmental Legislation relevant to this data:**
Migratory Birds Convention Act
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Data available in summary form on sheets organized by mapsheet number of the National Topographic System.

16. Map indicating areas of data holdings:

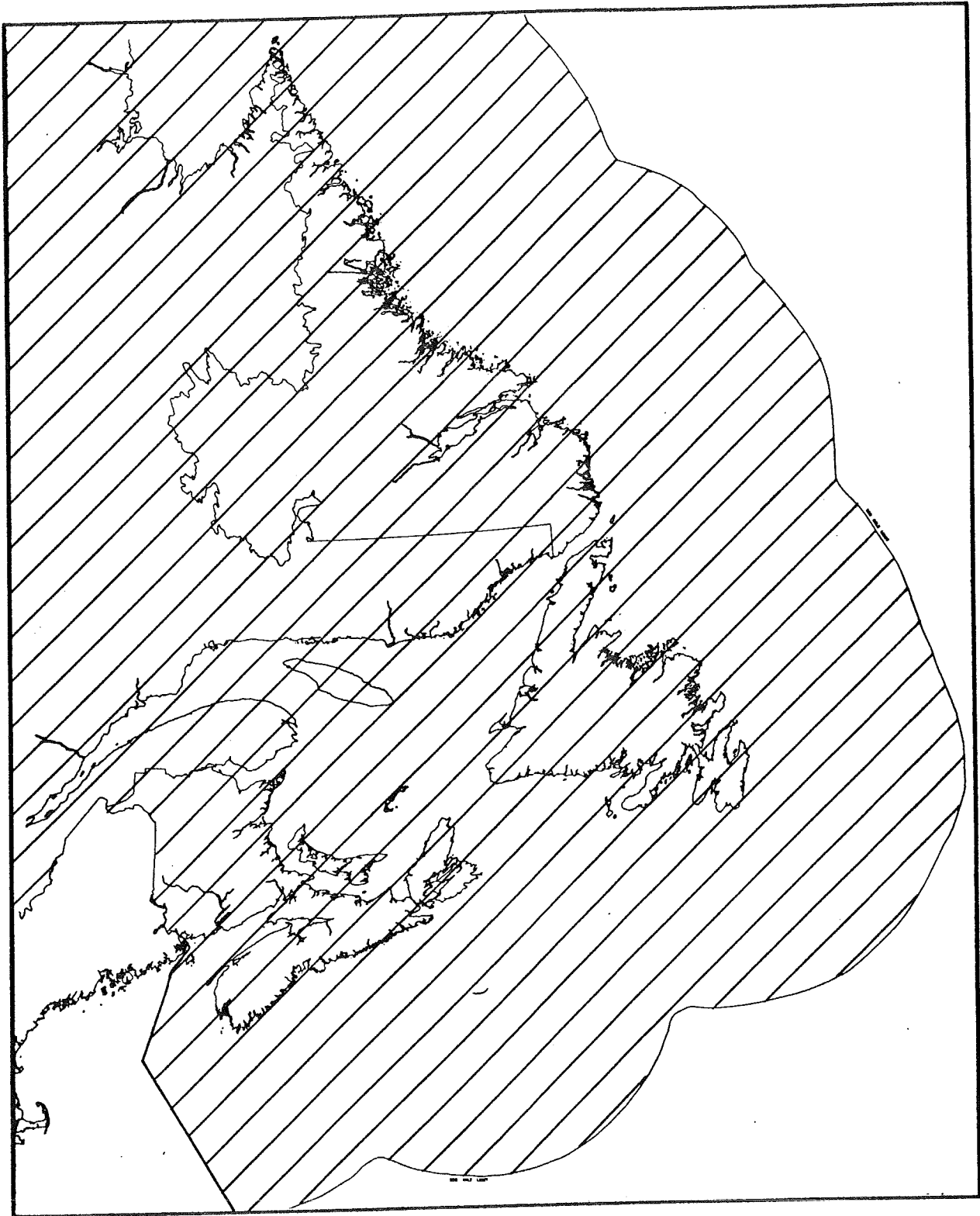


17. Signature: Verified

Date: July 29, 1992

1. **Database Title: Distribution of Threatened and Endangered Species**
2. **Contact Person:**
Karen Lloyd
National Wildlife Research
Canadian Wildlife Service
Environment Canada
Ottawa, Ontario K1A 0H3
Tel (819) 997-6131
3. **Purpose:**
To determine potential impacts of agricultural pesticides on threatened and endangered species
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Precise location may be generalized as specific locations for certain species cannot be released
5. **Geographical Coverage/Scale:**
Canada - including land and marine areas of the Atlantic Provinces
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1978 to present
Annual update
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Biological: Distribution of threatened and endangered birds, plants, fish, mammals, reptiles and amphibians including habitat description, breeding and other activities, dispersion, food, population estimates, known limiting factors flowering, germinating and fruiting times
10. **Sampling Procedures:**
Field surveys
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM
Operating system:
Software: dBASE III, SPANS
15. **Comments:**
This database is being used to compare the distribution of threatened and endangered species with crop lands and pesticide use.

16. Map indicating areas of data holdings:

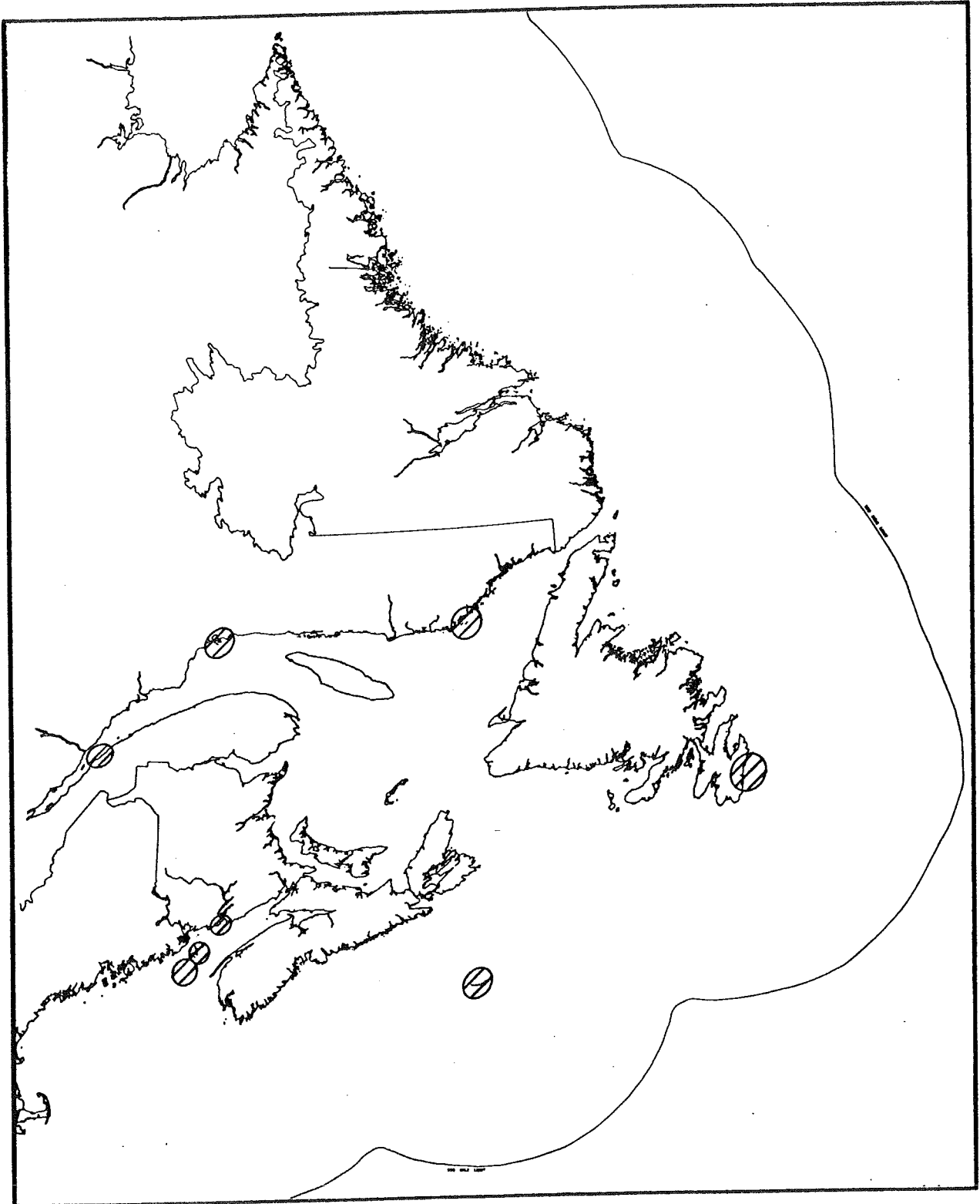


17. Signature: Unverified

Date:

1. **Database Title: Environmental Contaminants in Seabirds**
2. **Contact Person:**
Dan Busby
Canadian Wildlife Service
Environment Canada
PO Box 1590
Sackville, New Brunswick E0A 3C0
Tel (506) 536-3025; Fax (506) 536-3028
3. **Purpose:**
To monitor trends in contaminant concentrations in seabirds and to determine threats to the health of seabirds
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Requests screened by originator of the data
5. **Geographical Coverage/Scale:**
Atlantic provinces - seabird colonies in coastal areas and offshore islands; St. Lawrence River, Québec
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1968 to present
Updated every 4 years
8. **Format:**
Digital
Reports
9. **Data Types/Parameters Measured:**
Chemical: DDT, PCB and other organochlorine compounds; some heavy metal data
10. **Sampling Procedures:**
Egg collection from Atlantic Puffin, Leach's Storm-Petrel, Double Crested Cormorant and occasionally Herring Gulls
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Good indicator of trends in space and time of levels of organic contaminants in the environment

16. Map Indicating areas of data holdings:

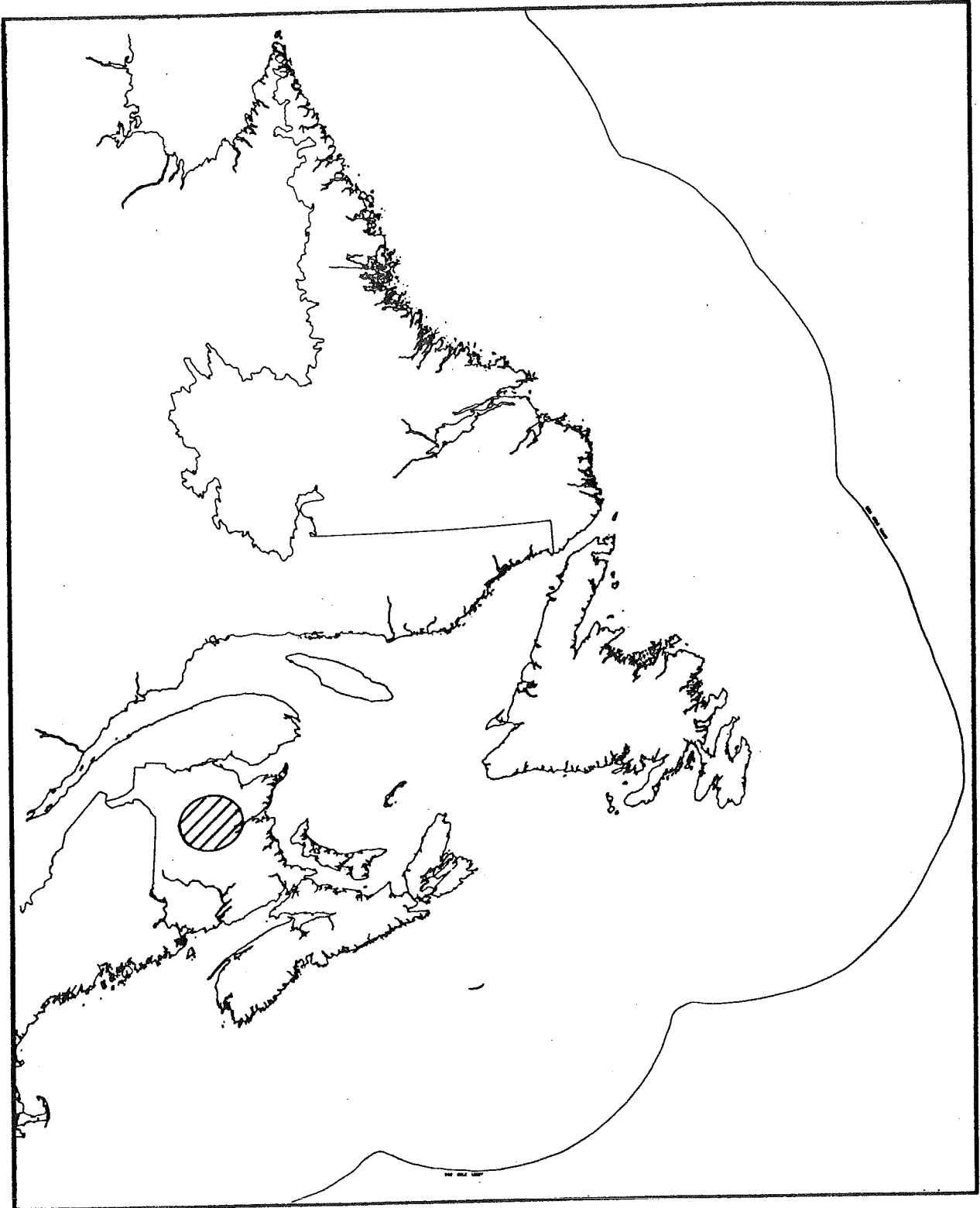


17. Signature: Verified

Date: June 26, 1992

1. **Database Title: Forest Bird Habitat Requirements**
2. **Contact Person:**
Dan Busby
Canadian Wildlife Service
Environment Canada
PO Box 1590
Sackville, New Brunswick E0A 3C0
Tel (506) 536-3025; Fax (506) 536-3028
3. **Purpose:**
To collect baseline data to help determine the effects of forestry practices on bird abundance
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Variable, depending on request
Restrictions: Determined per individual request
5. **Geographical Coverage/Scale:**
New Brunswick
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Not being updated; currently in use by the New Brunswick Department of Natural Resources in Fredericton
8. **Format:**
Hard-copy data files - data may be computerized on IBM PC
9. **Data Types/Parameters Measured:**
Physical
Biological: Characteristics of forest, bird abundance and distribution
10. **Sampling Procedures:**
Field surveys - singing bird census, point locations within various forest habitat types are sampled.
11. **Program Type:**
Research
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Study in progress; future depends on acquiring funding.

16. Map indicating areas of data holdings:

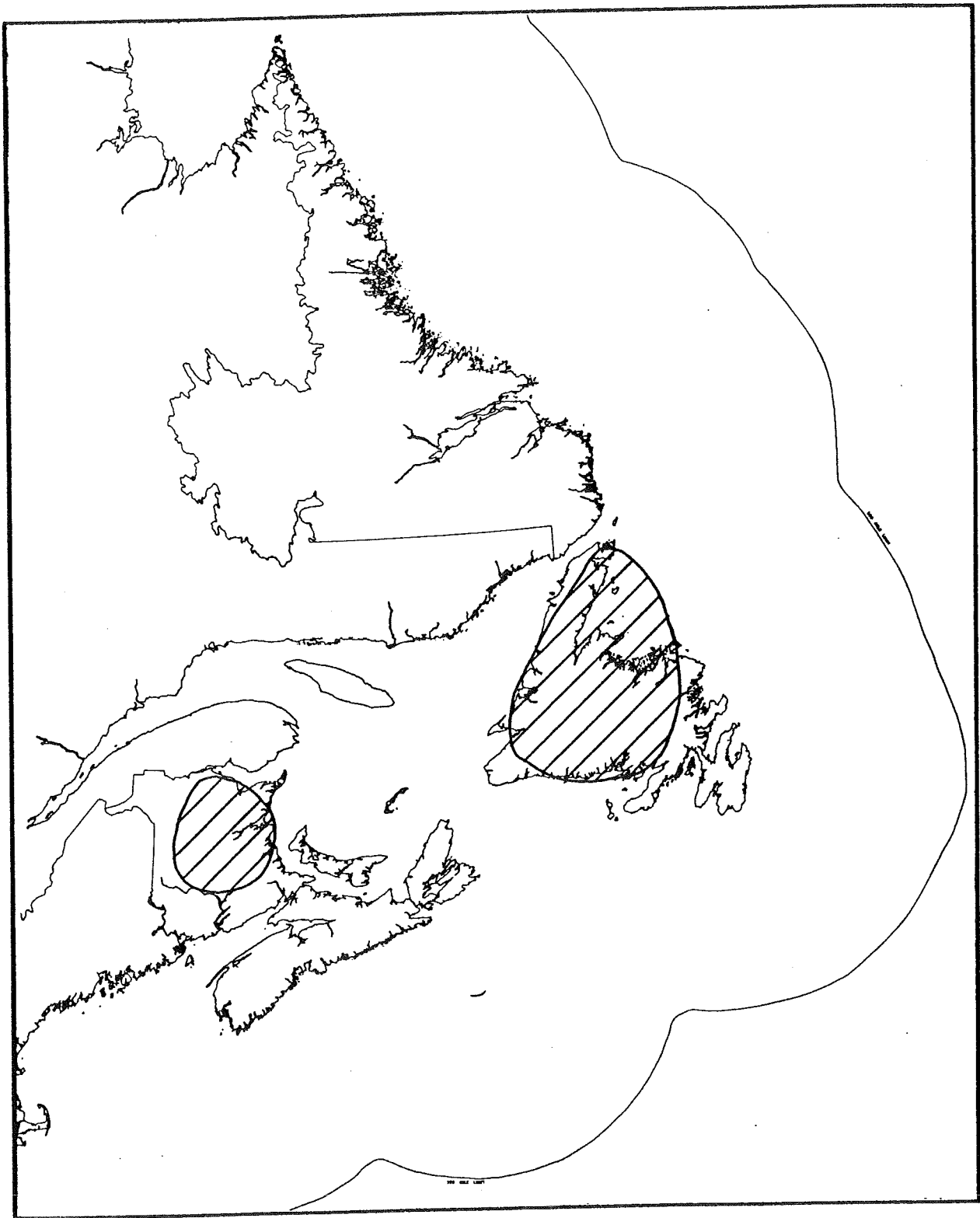


17. Signature: Verified

Date: June 26, 1992

1. **Database Title: Impacts of Pesticides on Songbirds**
2. **Contact Person:**
Dan Busby
Canadian Wildlife Service
Environment Canada
PO Box 1590
Sackville, New Brunswick E0A 3C0
Tel (506) 536-3025; Fax (506) 536-3028
3. **Purpose:**
To research the impact of forest spray on songbirds
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
New Brunswick and Newfoundland
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1977 to 1989
8. **Format:**
Digital
Hard-copy: Data files and reports
9. **Data Types/Parameters Measured:**
Biological (Biochemical): Brain Acetyl cholinesterase, reproductive success, growth rate of chicks
10. **Sampling Procedures:**
Birds are shot and collected - species of interest include White-Throated Sparrow, Bay-Breasted Warbler, Magnolia Warbler and Tennessee Warbler
11. **Program Type:**
Research
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software: dBASE
15. **Comments:**

16. Map indicating areas of data holdings:

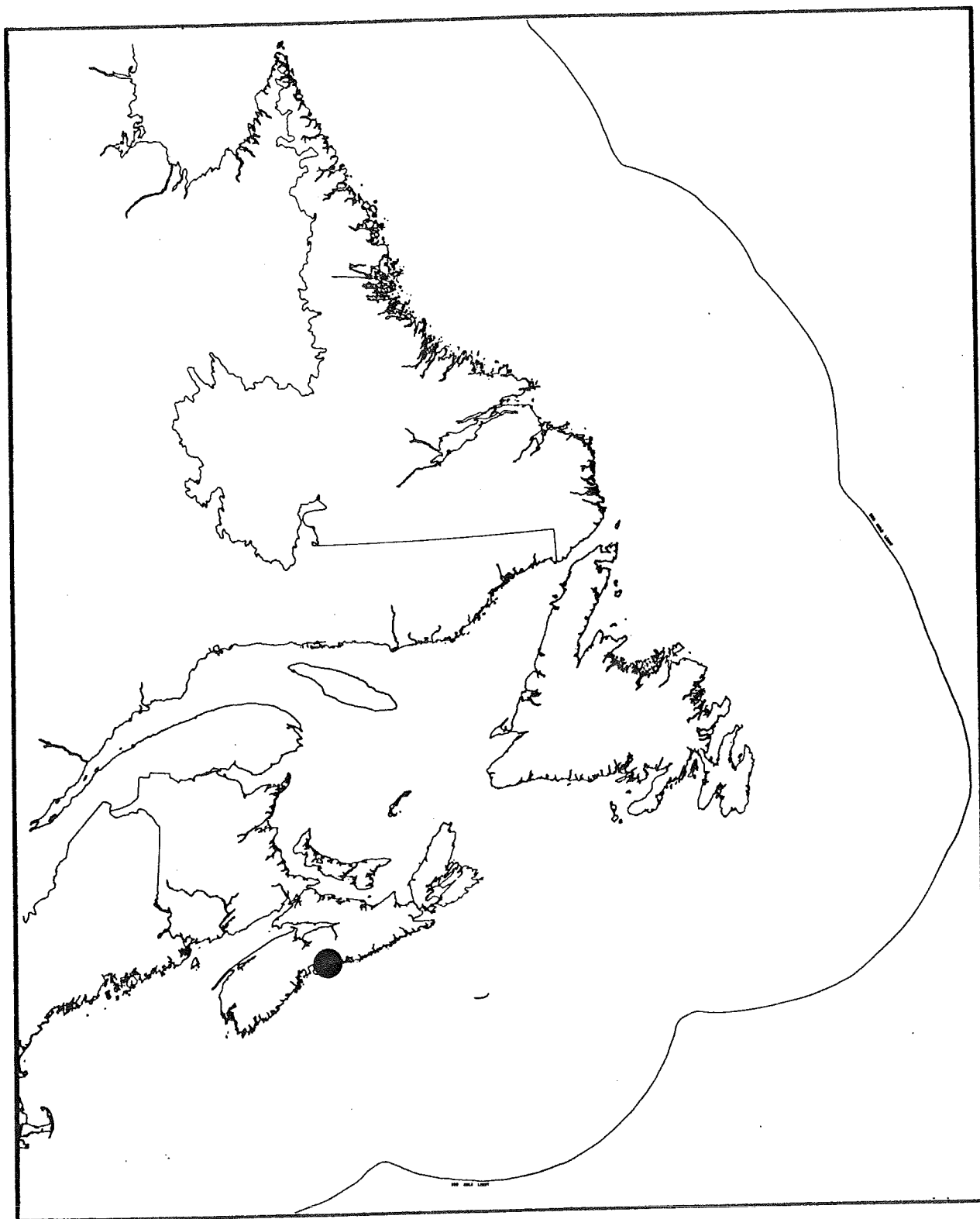


17. Signature: Verified

Date: June 26, 1992

1. **Database Title: Lead in Black Ducks Overwintering on Urban Ponds**
2. **Contact Person:**
Dan Busby
Canadian Wildlife Service
Environment Canada
PO Box 1590
Sackville, New Brunswick E0A 3C0
Tel (506) 536-3025; Fax (506) 536-3028
3. **Purpose:**
To determine threat to health of Black Ducks from urban sources of lead
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
To date: Sullivan's Pond, Dartmouth, Nova Scotia
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Blood lead; ALA-D; body condition measurements
10. **Sampling Procedures:**
Repeat blood sampling of ducks captured on pond between November and March
11. **Program Type:**
Research
12. **Size/Growth:**
400 records
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software: dBASE/Excel
15. **Comments:**

16. Map Indicating areas of data holdings:

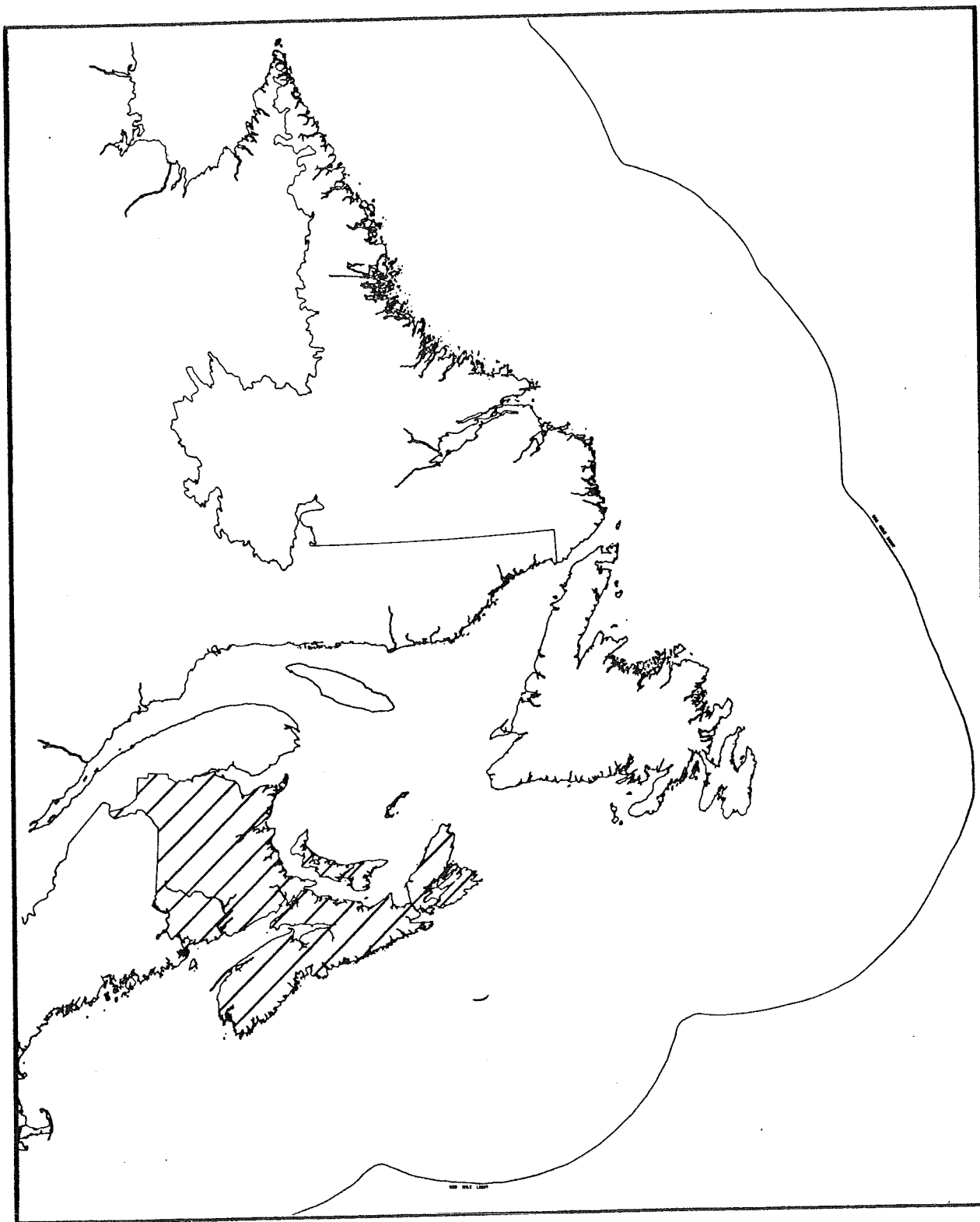


17. Signature: Verified

Date: June 26, 1992

1. **Database Title: Maritime Wetlands Inventory**
2. **Contact Person:**
Al Hanson or Al Smith
Canadian Wildlife Service
Atlantic Regional Office
Environment Canada
Sackville, New Brunswick E0A 3C0
Tel (506) 536-3025; Fax (506) 536-3028
3. **Purpose:**
Recognition and protection of wetlands, both freshwater and marine
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Ozalid printed hard-copy provincial atlases: \$500 New Brunswick, \$300 Nova Scotia and \$75 Prince Edward Island (1988 prices)
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia, New Brunswick and Prince Edward Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1970 to 1985
Mapping completed, electronic data compilation completed and intermittently updated
8. **Format:**
Digital
Hard-copy: Atlas at 1:50 000 scale; base maps 1:25 000 or 1:20 chain
9. **Data Types/Parameters Measured:**
Physical: Location, watershed identification, area
Chemical: pH, conductivity (for field checked wetlands)
Biological: Type and class of vegetation, dominant vegetation, interspersions, evaluation score (Golet for freshwater wetlands)
10. **Sampling Procedures:**
Air photo interpretation and field checks on selected sites
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
Freshwater - 69,669 records
Saltwater - 6552 records
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system:
Software: dBASE III
15. **Comments:**
Only wetlands greater than 0.25 hectare are identified

16. Map indicating areas of data holdings:

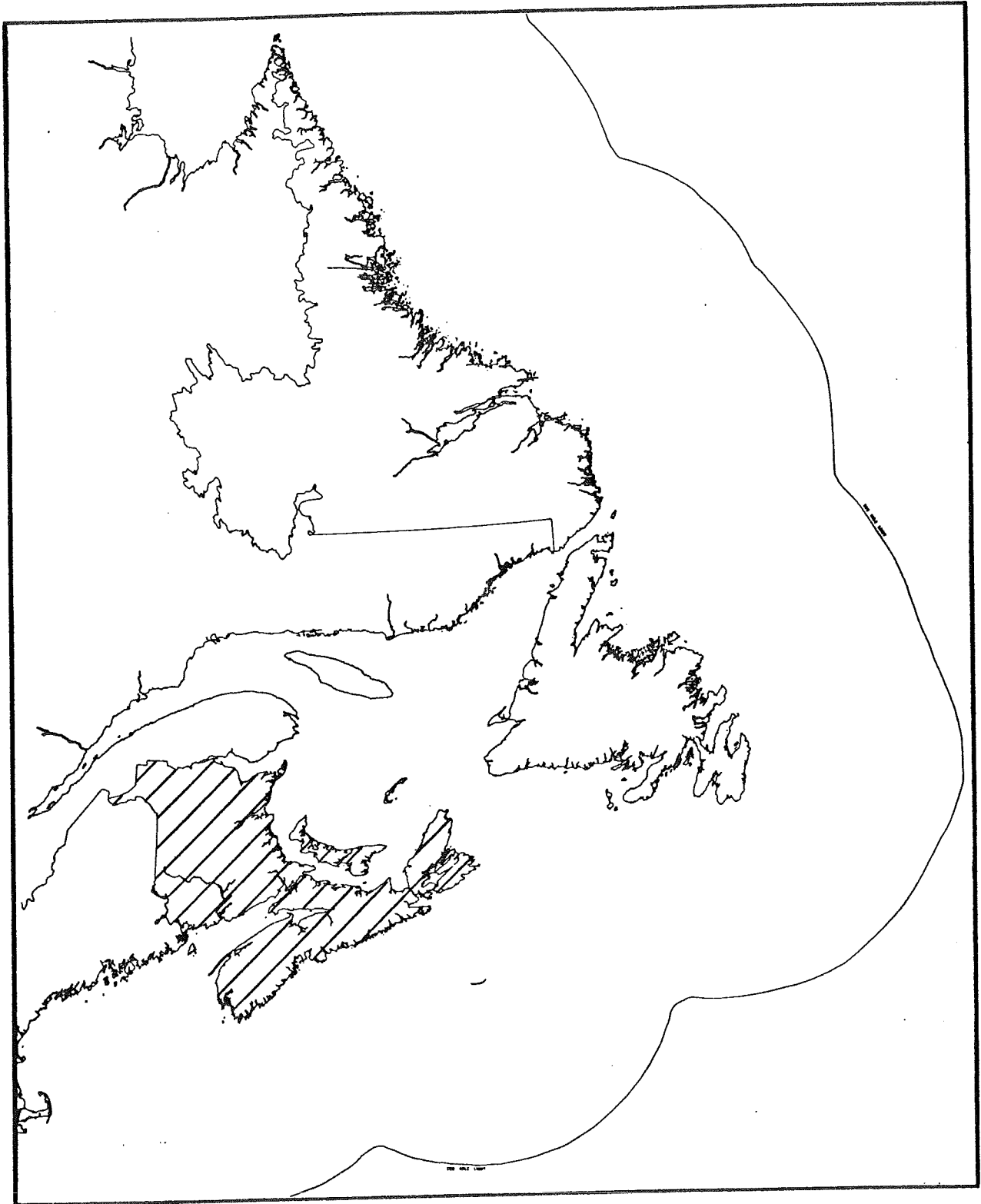


17. Signature: Verified

Date: June 16, 1992

1. **Database Title: Maritimes Nest Records Scheme**
2. **Contact Person:**
Dr. Tony Erskine
Canadian Wildlife Service
Atlantic Region Headquarters
Environment Canada
Sackville, New Brunswick E0A 3C0
Tel (506) 536-3025; Fax (506) 536-3028
3. **Purpose:**
To provide a data bank for bird nesting research in the Maritime Provinces for researchers studying the breeding biology of birds
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Cards loaned for three weeks maximum
5. **Geographical Coverage/Scale:**
New Brunswick, Nova Scotia, Prince Edward Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1960 to present
Annual additions
8. **Format:**
Hard-copy: one record card per nest or nesting colony; summary reports to contributors prepared each year
9. **Data Types/Parameters Measured:**
Biological: Species, geographical location, habitat, nest description, success of hatch, number of eggs and young
10. **Sampling Procedures:**
On-site inspections by volunteers
11. **Program Type:**
Research and survey
12. **Size/Growth:**
New Brunswick - 19,928 records for 182 species
Nova Scotia - 15,816 records for 176 species
Prince Edward Island - 3600 records for 112 species
13. **Environmental Legislation relevant to this data:**
Migratory Birds Convention Act
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
1600 cards/year are added to the database which total close to 40,000 cards

16. Map indicating areas of data holdings:

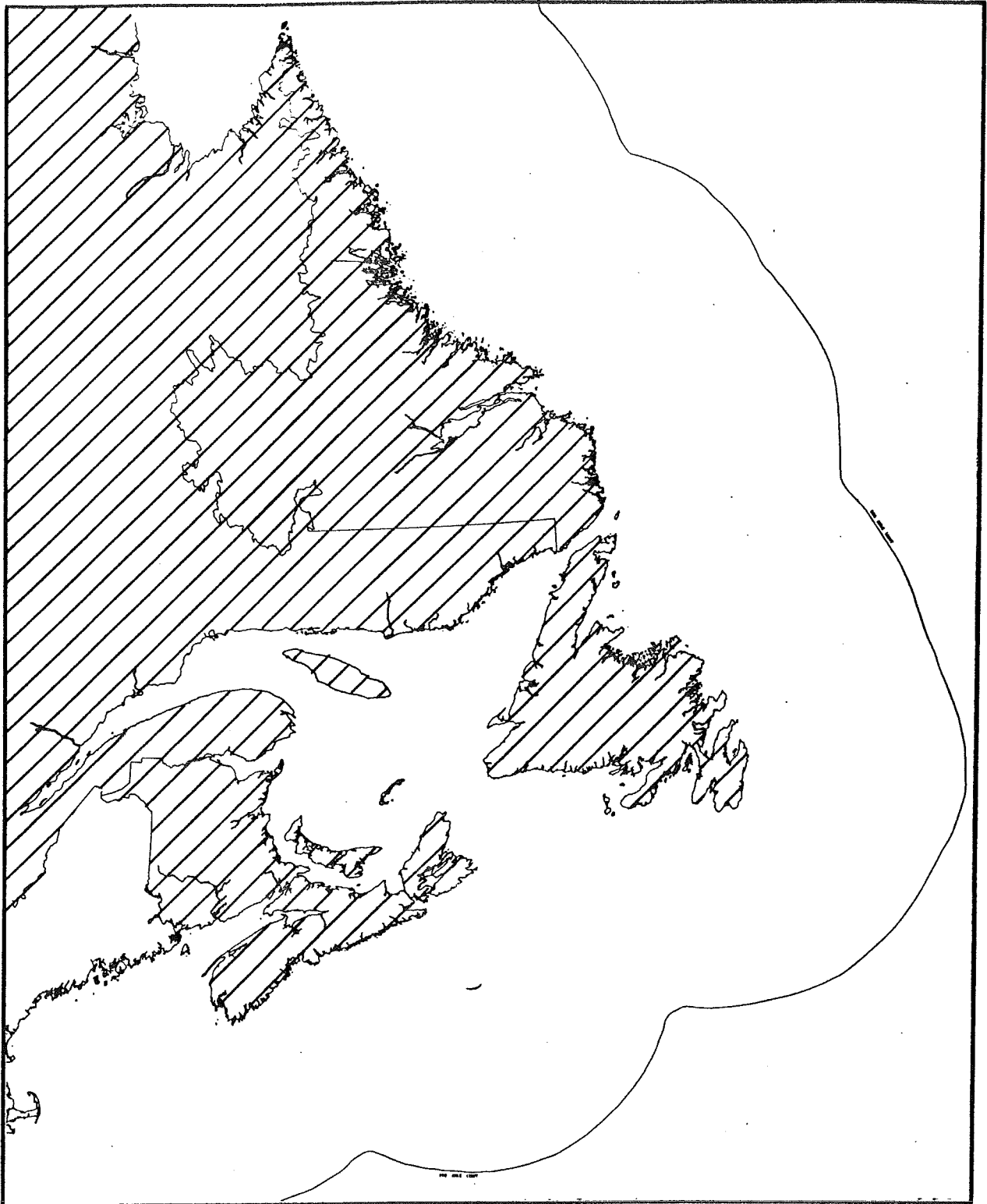


17. Signature: Verified

Date: June 16, 1992

1. **Database Title: National Harvest Surveys**
2. **Contact Person:**
Hélène Lévesque
National Wildlife Research Centre
Canadian Wildlife Service
Environment Canada
100 Gamelin Blvd
Hull, Québec K1A 0H3
Tel (819) 953-1426
3. **Purpose:**
Annual harvest surveys used to determine harvest limits for the following year; data also used to determine game bird population trends
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fee: May involve cost recovery fee
Restrictions: Names of survey respondents are confidential
5. **Geographical Coverage/Scale:**
Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1967 to present
Annual update
8. **Format:**
Digital: Available on 9 track tape or floppy disks
Hard-copy: Annual publications and files of historical records
9. **Data Types/Parameters Measured:**
Biological: Total and estimates kill of game birds within Canada and areas within provinces, hunter recreation days, favourite areas, species, sex and age ratio of hunted birds
10. **Sampling Procedures:**
Mailed surveys
11. **Program Type:**
Monitoring, survey, data also used for research purposes
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM mainframe
Operating system:
Software:
15. **Comments:**
There are two parts to the database: a questionnaire sent to hunters at the end of each season; and a species composition survey: one wing from every duck killed or tail feathers from every goose sent to CWS to determine species, age and sex of each bird.

16. Map indicating areas of data holdings:

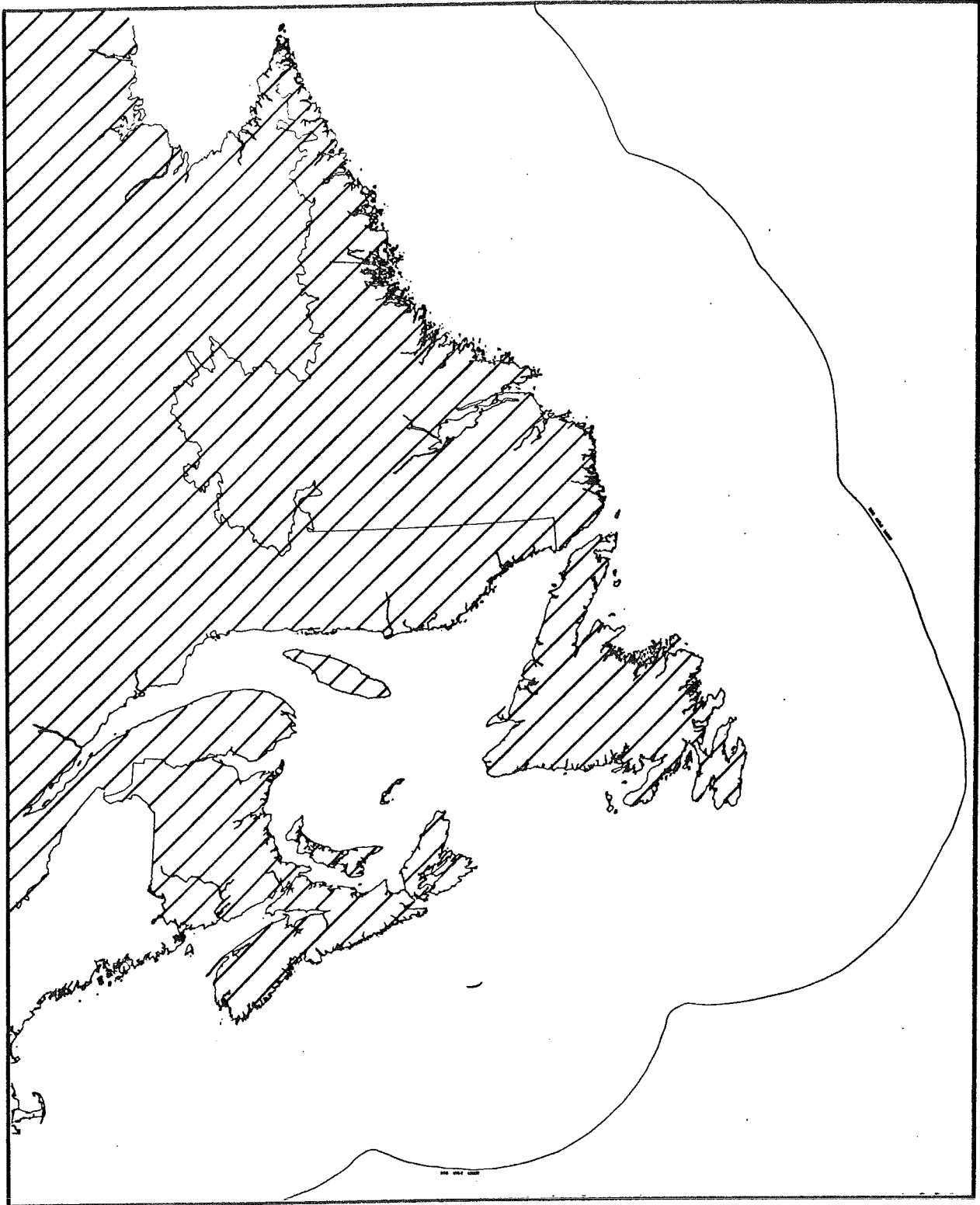


17. Signature: Unverified

Date:

1. **Database Title: National Registry of Toxic Chemical Residues**
2. **Contact Person:**
Brian Wakeford
Canadian Wildlife Service
Environment Canada
Ottawa, Ontario K1A 0H7
Tel (819) 997-1410; Fax (819) 953-6612
3. **Purpose:**
To maintain an inventory of toxic chemical concentrations in wildlife for officials investigating the effects of environmental contaminants
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: None; Restrictions: Data "on-hold" for impending publication, need written permission from the originator for release
5. **Geographical Coverage/Scale:**
Canada - concentration of toxic chemicals in wildlife samples across Canada including the four Atlantic Provinces
6. **Geographical Referencing:**
Latitude/Longitude in degrees and minutes
7. **Period of Record/Update Frequency:**
1963 to present; updated based on production of data and conversion of data to digital format (weeks to months)
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Chemical: Toxic constituents in birds and mammals - parameters include: organochlorine pesticides, PCBs, mercury, lead, cadmium, dioxins
10. **Sampling Procedures:**
Standardized according to Canadian Wildlife Service manuals; quality control procedures (blind in-house and standard reference samples)
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
8% annual growth
13. **Environmental Legislation relevant to this data:**
Canadian Environmental Protection Act
14. **Computer System:**
Host computer: Microcomputer
Operating system: MS DOS
Software: dBASE; under conversion to Informix (Lab Vantage LIMS System)
15. **Comments:**
Database is a repository for information on wildlife specimens analyzed for toxic chemicals by the Canadian Wildlife Service; there is data on more than 30,000 specimens representing 327 species. Approximately 1 month should be allowed for delivery of information after request is made.

16. Map indicating areas of data holdings:

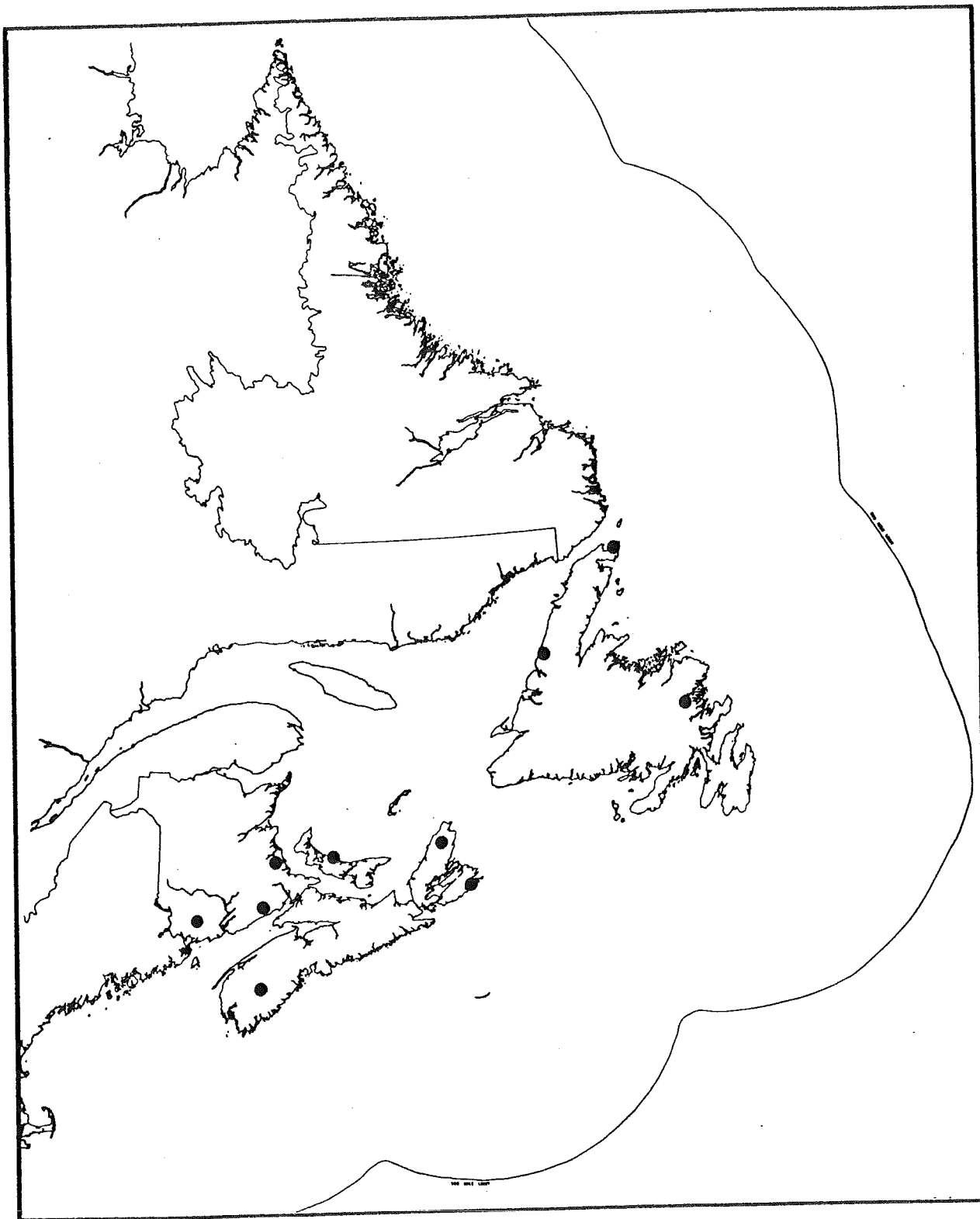


17. Signature: Verified

Date: June 15, 1992

1. **Database Title: Nutrient and Biological Productivity in Atlantic Region Waters**
2. **Contact Person:**
J. Kerekes
Canadian Wildlife Service
Environment Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-6356; Fax (902) 426-7209
3. **Purpose:**
To maintain data in relating water chemistry to biological production
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - freshwater lakes and streams throughout the Region, mainly in National Parks and National Wildlife Areas
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1968 to present
Much of the data is not updated; some data is added yearly
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Water temperature, colour
Chemical: Dissolved oxygen, major ions, phosphorous nitrogen, metals
Biological: Birds, fish, chlorophyll and invertebrates
10. **Sampling Procedures:**
Standard field sampling methods; laboratory analysis according to standard Canadian Wildlife Service methods
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host Computer: IBM
Operating system:
Software: Lotus 123
15. **Comments:**
Data not easily accessible - may take some time to satisfy information requests. A wide variety of data has been accumulated reflecting the array of research, monitoring and survey work which has been completed over the past 20 years.

16. Map indicating areas of data holdings:

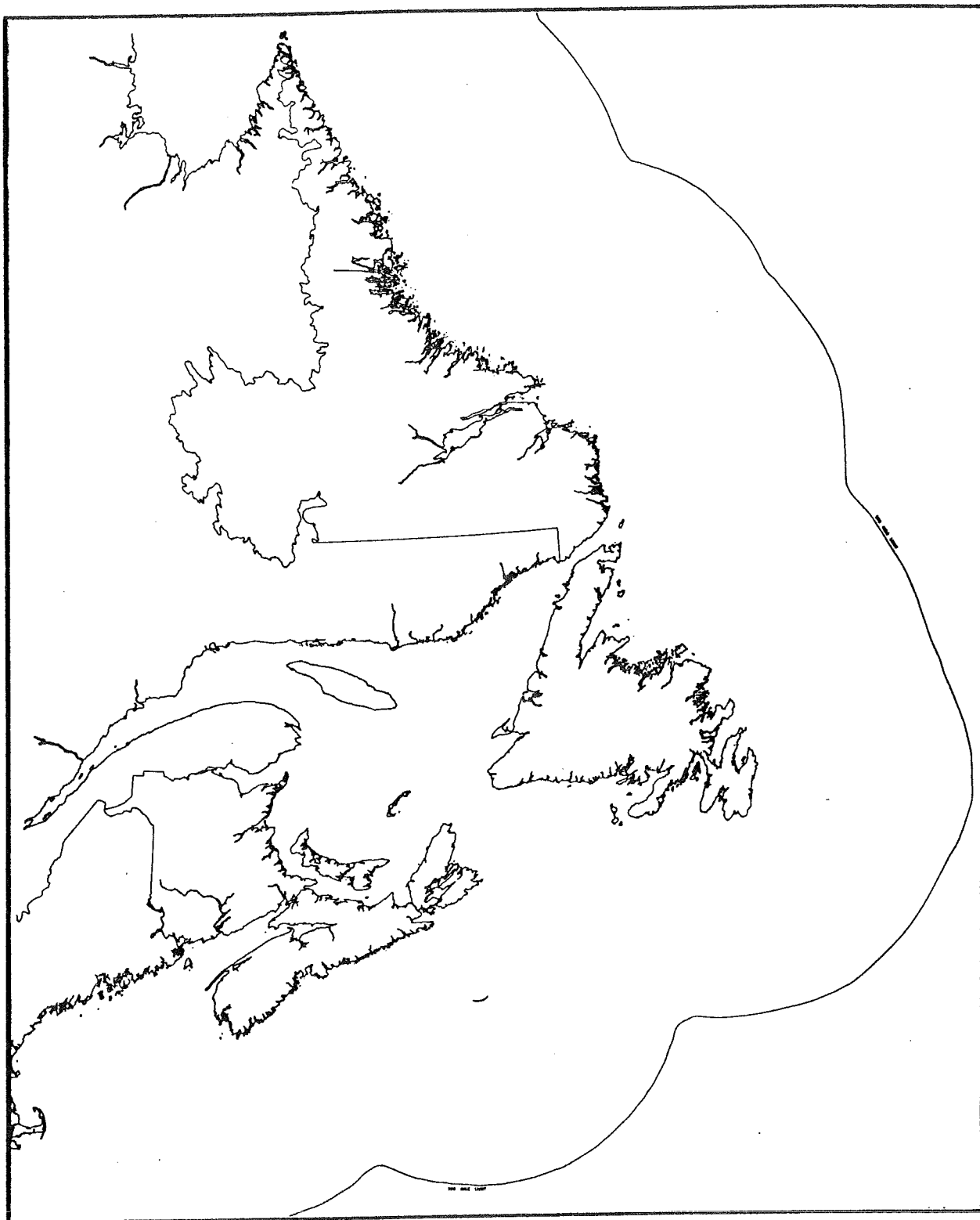


17. Signature: Verified

Date: June 15, 1992

1. **Database Title: Operation Haglin**
2. **Contact Person:**
R.G.B. Brown
Canadian Wildlife Service
Environment Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-2578; Fax (902) 426-7826
3. **Purpose:**
A pioneer research study of the pelagic ecology of seabirds in the outer Bay of Fundy, at two trophic levels: phalaropes feeding on copepods, and shearwaters taking fish and euphausiids. (Haglin is the Fundy fishermen's name for the Greater Shearwater *Puffinus gravis*.)
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: None; Restrictions: None
5. **Geographical Coverage/Scale:**
Outer Bay of Fundy from Brier Island, Nova Scotia to Passamaquoddy Bay, New Brunswick. the core is at the easily accessible tidal upwelling north of Brier island, which was compared to a biologically different upwelling in Passamaquoddy Bay.
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
1974 to 1978 and resumed in 1990-91
Will be resumed again if required.
8. **Format:**
Hard-copy: field and data notes, 5 published papers. 1990-91 data has not been written up to date.
9. **Data Types/Parameters Measured:**
Physical: Tidal currents, upwelling
Biological: Seabird distribution, shearwater and phalarope distribution, plankton distribution
10. **Sampling Procedures:**
Field surveys and counts from boats
11. **Program Type:**
Research
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
Migratory Birds Convention Act (1917)
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Database fills several filing cabinets. Much of it has been used to produce reports and publications. Not easy to access the data. No immediate plans to update the data.

16. Map indicating areas of data holdings:

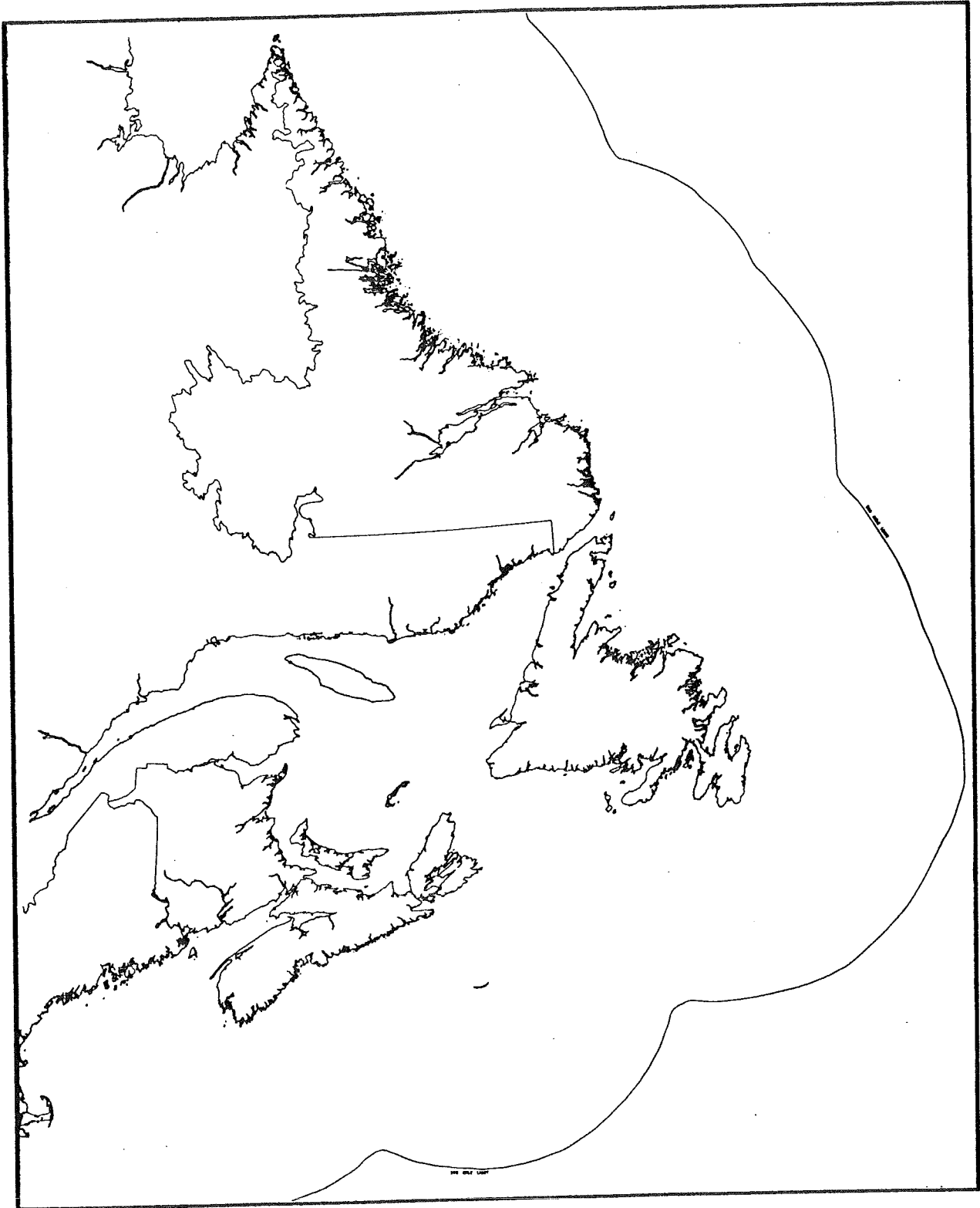


17. Signature: Verified

Date: June 17, 1992

1. **Database Title: Organochlorine Trends in Woodcock Tissue**
2. **Contact Person:**
Dan Busby
Canadian Wildlife Service
Environment Canada
PO Box 1590
Sackville, New Brunswick E0A 3C0
Tel (506) 536-3025; Fax (506) 536-3028
3. **Purpose:**
To monitor organochlorine concentrations in tissue
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
New Brunswick, Nova Scotia, Québec and Ontario
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1971 to 1980
Updated in 1986
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Chemical: Organochlorines
10. **Sampling Procedures:**
Hunter collected wings
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Provides a good indicator of the levels of toxic contaminants in the environment. Program finished.

16. Map indicating areas of data holdings:

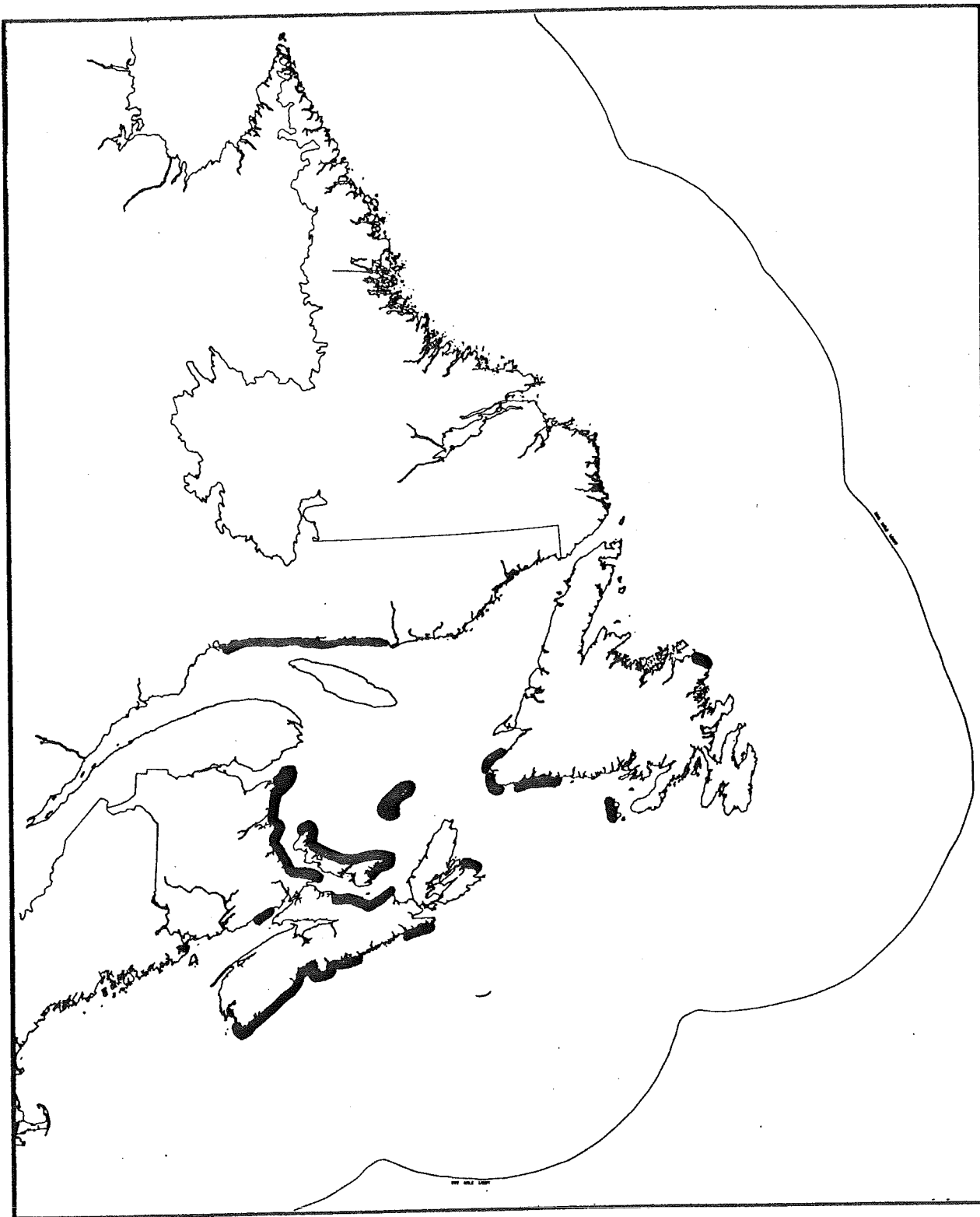


17. Signature: Verified

Date: June 26, 1992

1. **Database Title: Piping Plover Nesting Sites**
2. **Contact Person:**
Bruce Johnson
Environment Canada
Canadian Wildlife Service
PO Box 1590
Sackville, New Brunswick E0A 3C0
Tel (506) 536-3025; Fax (506) 536-3028
3. **Purpose:**
To maintain data on the population of Piping Plovers in Atlantic Canada
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Some to prevent disturbance to birds
5. **Geographical Coverage/Scale:**
Atlantic Provinces - coastal beach and dune systems
6. **Geographical Referencing:**
Not standardized
7. **Period of Record/Update Frequency:**
1975 to present
Uneven coverage
8. **Format:**
Hard-copy
9. **Data Types/Parameters Measured:**
Biological: Number and location of breeding pairs
10. **Sampling Procedures:**
On-site inspections during the nesting season (June-July)
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Varies
13. **Environmental Legislation relevant to this data:**
Migratory Birds Convention Act
14. **Computer System:**
N/A
15. **Comments:**
The Piping Plover is an endangered species in the Atlantic Region. While info is generally available to the public, some discretion is used to protect breeding birds. Data also used to evaluate usefulness of protective measures. Surveys in national parks are annual; surveys elsewhere are opportunistic. Complete survey completed in 1991 as part of the International Piping Plover census.

16. Map indicating areas of data holdings:

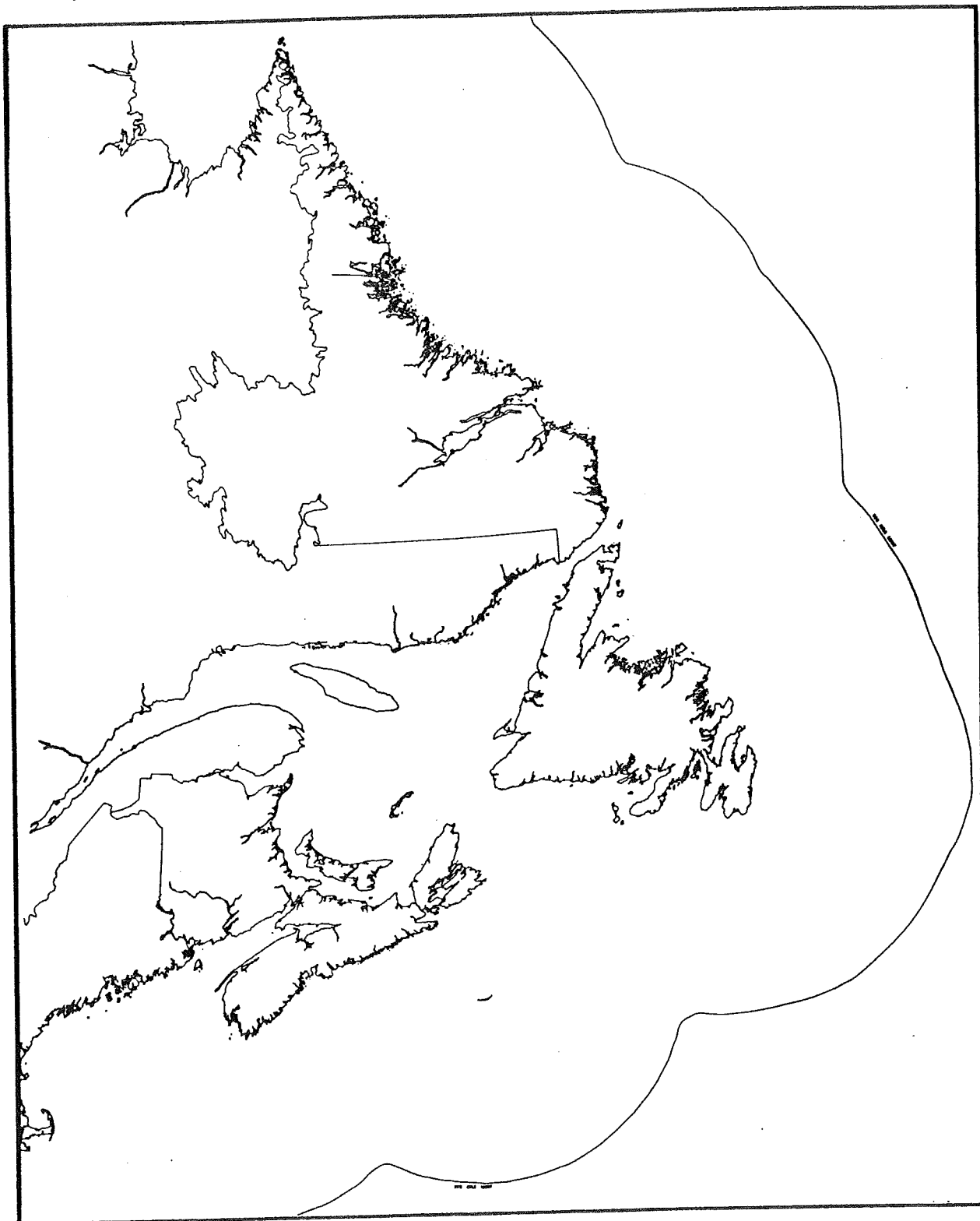


17. Signature: Verified

Date: July 29, 1992

1. **Database Title: PIROP 1 (Shipboard Surveys)**
2. **Contact Person:**
R.G.B. Brown
Canadian Wildlife Service, Environment Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-2578; Fax (902) 426-7826
3. **Purpose:**
Data used to plot seabird distribution at sea and to relate seabird distribution to oceanographic conditions
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: To cover computer time; Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - Offshore waters from Georges Bank to Baffin Bay. Also includes data from Peru, Chile, California, the Barents Sea and Senegal.
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
1969 to present (most from 1969 to 1985); ongoing update
8. **Format:**
Digital; Hard-copy: atlas published in 1975 and updated in 1986
9. **Data Types/Parameters Measured:**
Biological: number of birds sighted per 10 minute watch from a ship moving at a speed of at least 4 knots, seabird species include shearwaters, razorbills, storm-petrels, gulls, murre, puffins, gannets, phalaropes, jaegers, fulmars, cormorants, dovekies, terns and black guillemots
10. **Sampling Procedures:** Shipboard watches
11. **Program Type:** Research, survey and monitoring
12. **Size/Growth:**
Growth of data collected from approximately one cruise per year of areas of particular ornithological interest
13. **Environmental Legislation relevant to this data:**
Migratory Birds Convention Act (1917)
14. **Computer System:**
Host computer: CYBER (at BIO); can be reprogrammed for use in other systems
15. **Comments:**
The initial impetus for PIROP I came after the Arrow and Irving Whale spills off Atlantic Canada in 1970, which showed the need for information about the pelagic distributions of seabirds. This was later expanded by the aerial surveys of PIROP II. The surveys have proved themselves many times: in the long run, as essential parts of Environmental Impact Statements and, in the shorter run, for predicting the impacts of actual spills. They have also shown that seabirds are important members of marine ecosystems, as vulnerable as any other marine species to overfishing and various forms of pollution.

16. Map Indicating areas of data holdings:

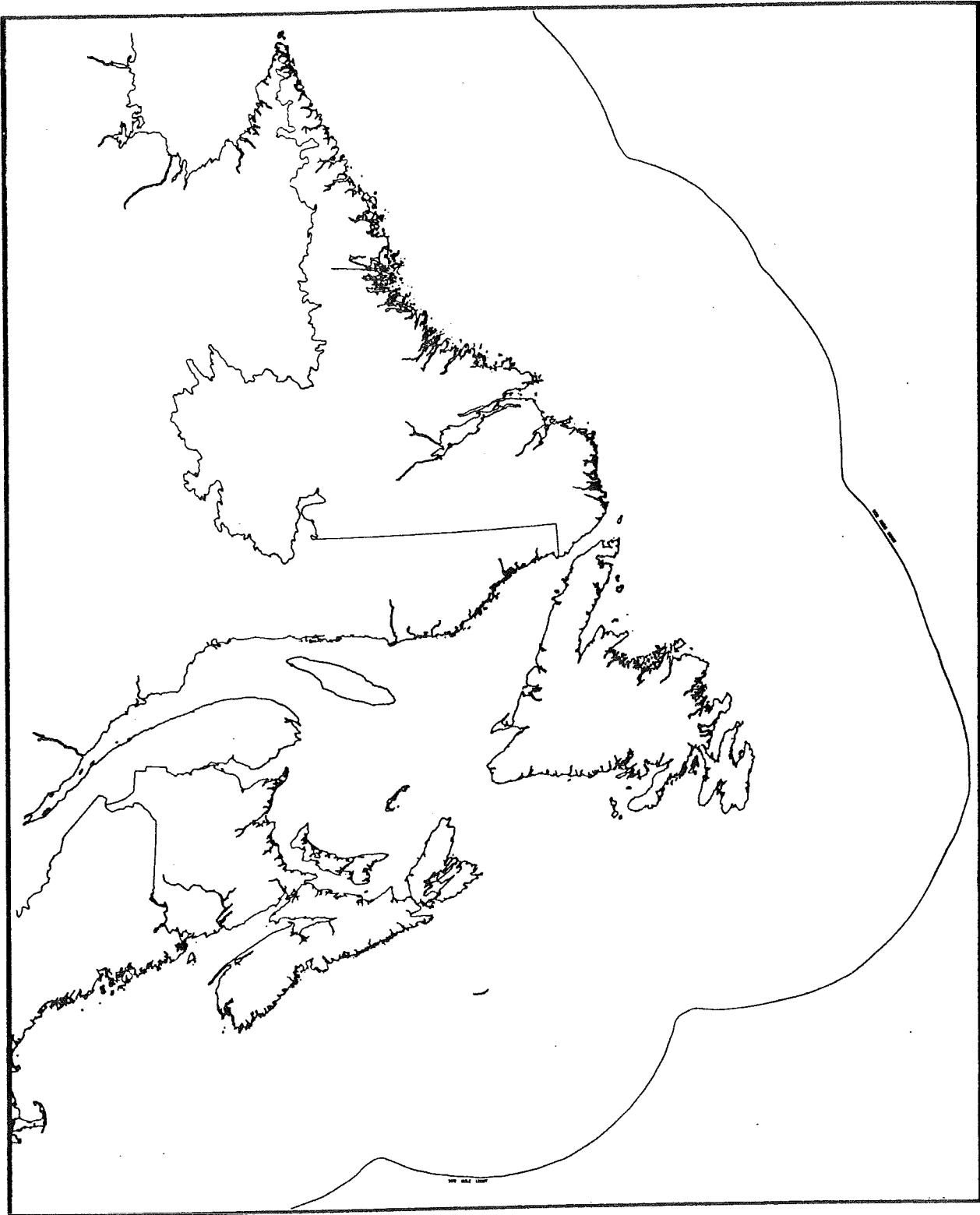


17. Signature: Verified

Date: June 17, 1992

1. **Database Title: PIROP II (Aerial Surveys)**
2. **Contact Person:**
R.G.B. Brown
Canadian Wildlife Service, Environment Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-2578; Fax (902) 426-7826
3. **Purpose:**
To plot seabird distribution and to relate seabird distribution to oceanographic conditions
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: To cover computer costs; Restrictions: None
5. **Geographical Coverage/Scale:**
Newfoundland - Grand Banks and Labrador Shelf, Baffin Bay
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
1976 to 1981; will not be updated unless new studies are initiated.
8. **Format:**
Digital; Hard-copy: Atlas to be published in 1993
9. **Data Types/Parameters Measured:**
Biological: Number of birds per minute of watch. Seabird species include: shearwaters, storm-petrels, gulls, terns, murre, puffins, gannets, jaegers, fulmars, cormorants, dovekies, phalaropes, guillemots, razorbills and black guillemots
10. **Sampling Procedures:**
On-site surveys at intervals of 2-4 weeks from a Twin-Otter flying at 100 feet and 100 knots over a standard geographic grid
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
No growth since 1981
13. **Environmental Legislation relevant to this data:**
Migratory Birds Convention Act (1917)
14. **Computer System:**
Host computer: CYBER (at BIO); can be reprogrammed for use on other systems
Operating system:
Software:
15. **Comments:**
The surveys were flown to provide background information for offshore oil exploration/production. From an environmental point of view, it would be desirable to extend coverage to the Gulf of St. Lawrence, Scotian Shelf and Bay of Fundy, but this would require considerable funding. Note that aerial surveys of pelagic seabirds are better quantified than shipboard ones, but the species identifications are poorer.

16. Map Indicating areas of data holdings:

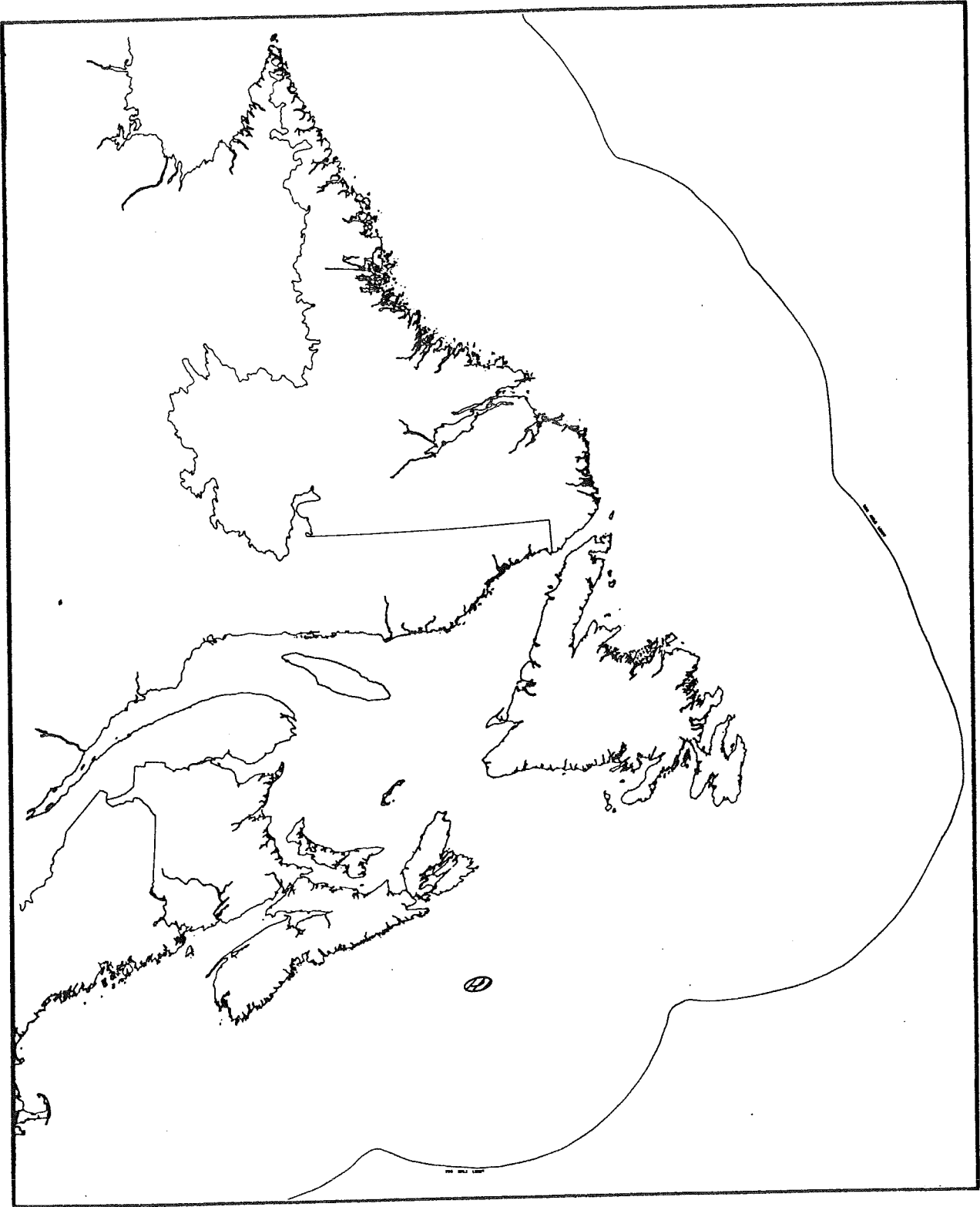


17. Signature: Verified

Date: June 17, 1992

1. **Database Title: Sable Island Beach Bird Survey**
2. **Contact Person:**
Tony Lock
Canadian Wildlife Service
Environment Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-6052
3. **Purpose:**
To accumulate baseline data on oiled bird occurrences
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: No charge
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia - Sable Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1984
8. **Format:**
Hard-copy: Reports on each year's work
9. **Data Types/Parameters Measured:**
Biological: Number of oiled birds
10. **Sampling Procedures:**
Beach searches (35 kilometres), one search/month
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Large number of oiled birds reach Sable Island from December to march, probable due to prevailing winds. Study used as baseline data prior to offshore oil and gas development.

16. Map indicating areas of data holdings:

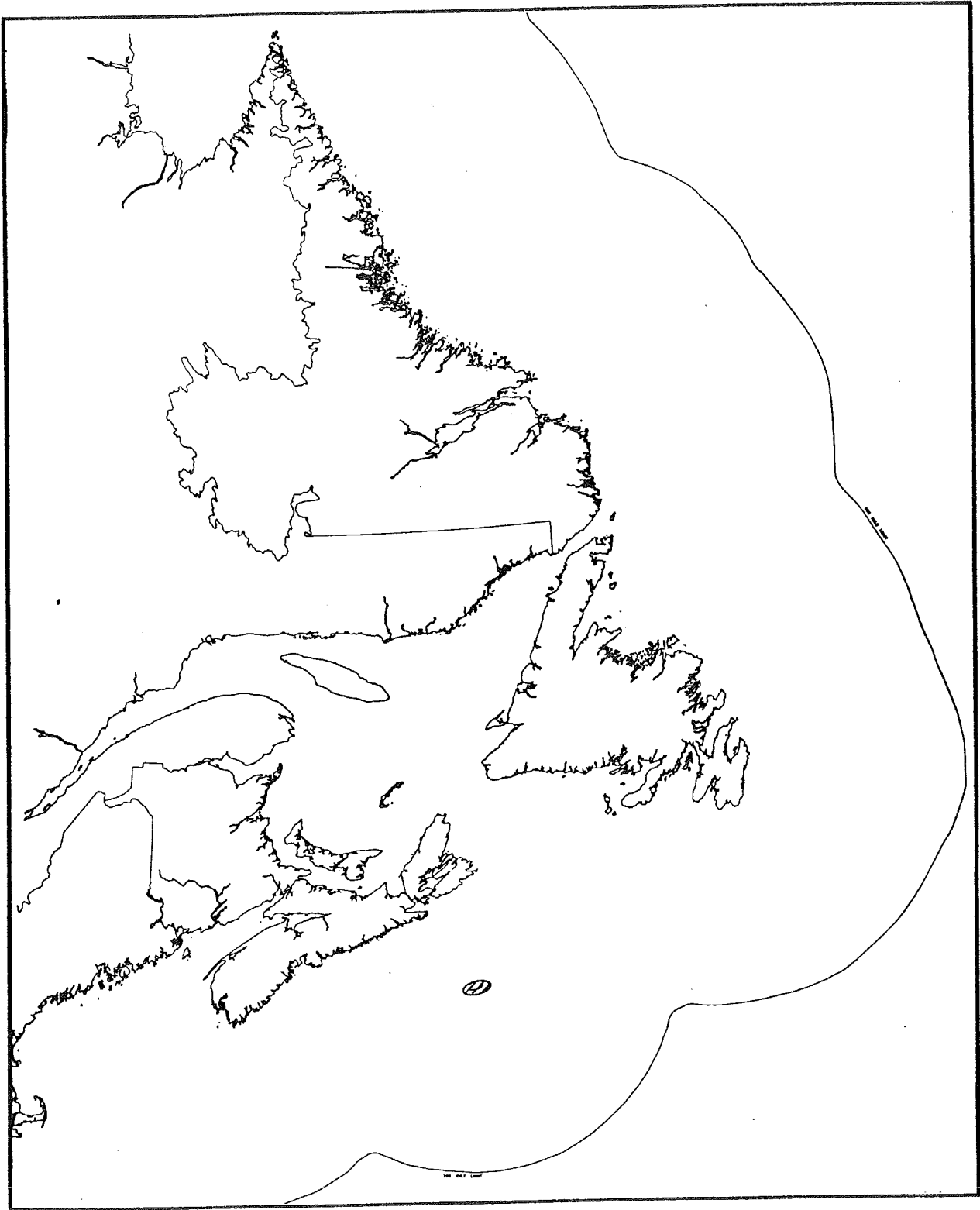


17. Signature: Unverified

Date:

1. **Database Title: Sable Island Horse Survey**
2. **Contact Person:**
Tony Lock
Canadian Wildlife Service
Environment Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-6052
3. **Purpose:**
To monitor horse populations on Sable Island
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia - Sable Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1960 to present
Annual update
8. **Format:**
Hard-copy
9. **Data Types/Parameters Measured:**
Biological: Herd numbers, seasonal distribution around the island
10. **Sampling Procedures:**
Helicopter surveys taken in late summer/early winter
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Program sponsored by Transport Canada; will lead to published paper.

16. Map indicating areas of data holdings:

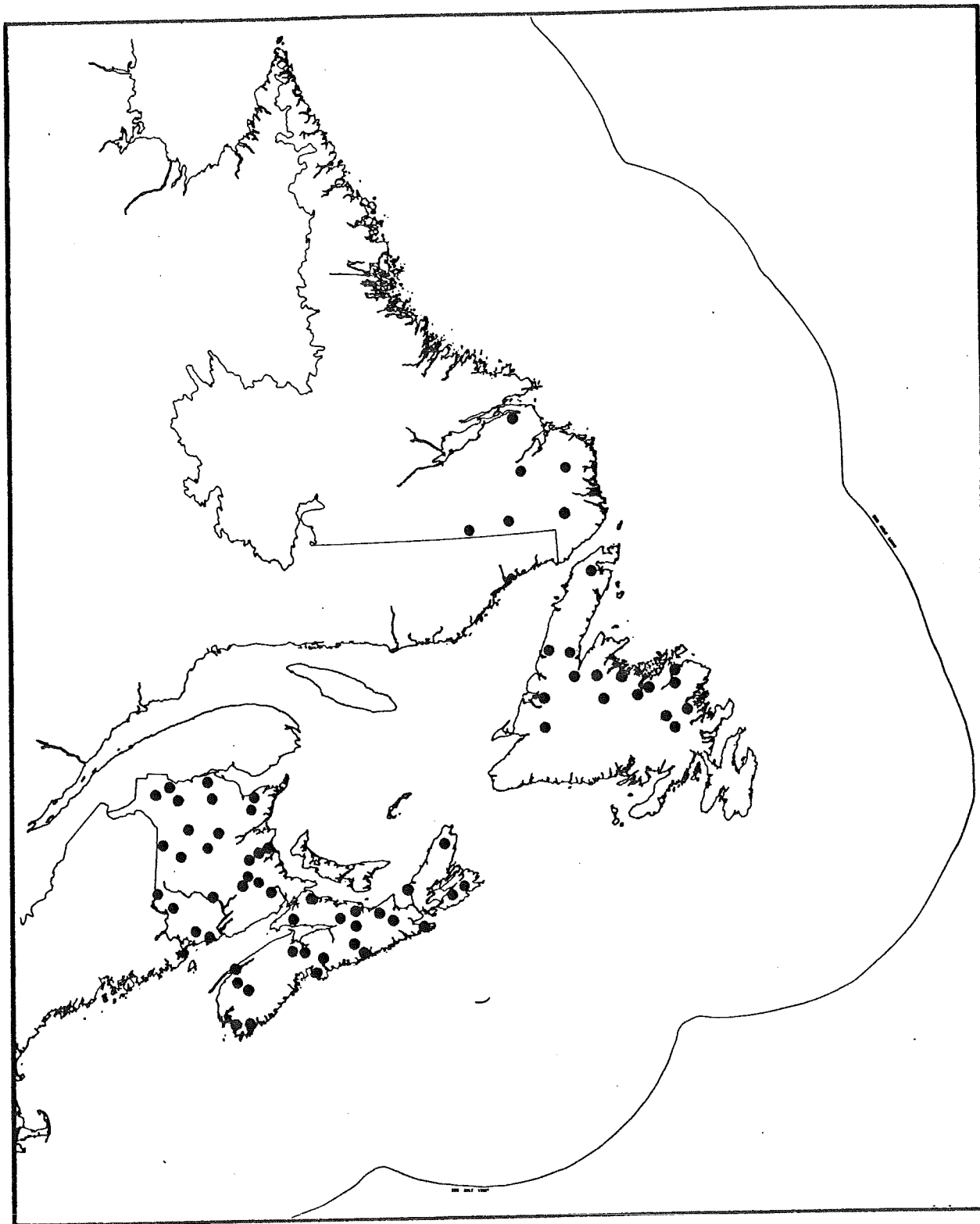


17. Signature: Unverified

Date:

1. **Database Title: Spring Breeding Waterfowl Survey, Eastern Canada**
2. **Contact Person:**
Kathy Dickson
Canadian Wildlife Service
Environment Canada
Ottawa, Ontario K1A 0H3
Tel (819) 953-1415; Fax (819) 953-6283
3. **Purpose:**
To establish trends in population size and monitor long-term patterns in waterfowl abundance.
Contains population data for waterfowl from eastern Canada and Maine.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Available through contact person
5. **Geographical Coverage/Scale:**
Newfoundland and Labrador, Nova Scotia, New Brunswick, Québec, Ontario
6. **Geographical Referencing:**
Latitude/Longitude - survey plots
7. **Period of Record/Update Frequency:**
1990 to present
Updated annually
8. **Format:**
Digital: ASCII files can be produced
9. **Data Types/Parameters Measured:**
Biological: Species, number of birds, location
10. **Sampling Procedures:**
Aerial surveys by helicopter
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 200 plots where all species of ducks are counted once annually
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system: MS DOS
Software: dBASE III, Quattro
15. **Comments:**
Survey plots are designed to provide trend for each province/state.

16. Map indicating areas of data holdings:

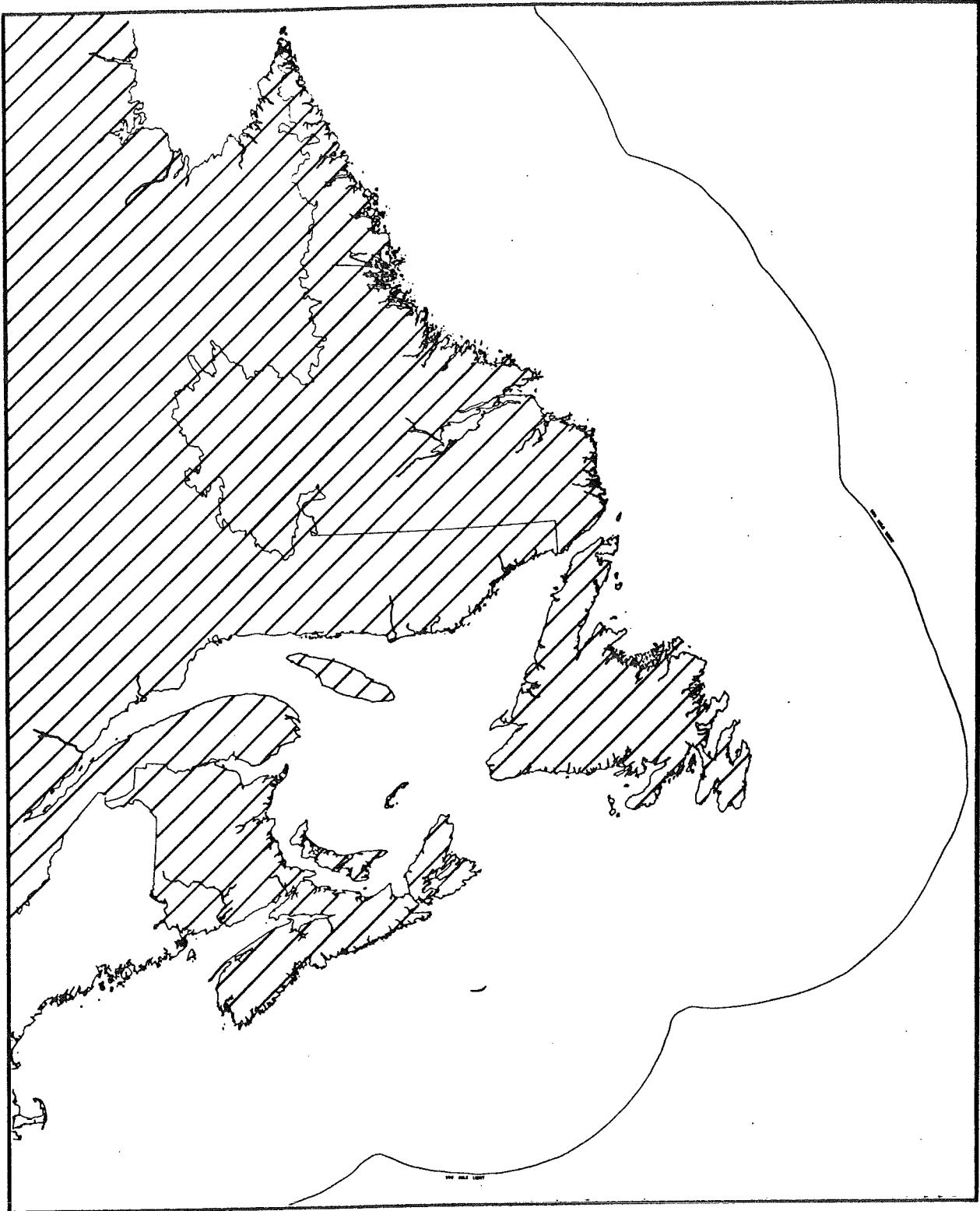


17. Signature: Verified

Date: June 12, 1992

1. **Database Title: Industrial Water Use Surveys (INSURVS)**
2. **Contact Person:**
Dr. D.M. Tate
A/Chief, Environmental Economics and Strategies Development Division
Economics and Conservation Branch
Ecosystem Science and Evaluation Directorate
Conservation and Protection
Environment Canada
Place Vincent Massey, 9th Floor, Room 903
Ottawa, Ontario K1A 0H3
Tel (819) 953-3478; Fax (819) 997-8701
or
D.N. Scharf
Industrial Water Use
Same address
Tel (819) 953-1518
3. **Purpose:**
To collect data on water use by industry for direct research and applied studies
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: None; Restrictions: None
5. **Geographical Coverage/Scale:**
Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1972 to present
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Data on water use nationally-distributed, mining, manufacturing, hydroelectrical, and thermal power production obtained through periodic surveys of water intake, discharge, use, cost, and consumption
10. **Sampling Procedures:**
Surveys
11. **Program Type:**
12. **Size/Growth:**
25,000 records, entries
13. **Environmental Legislation relevant to this data:**
Canada Water Act; Canadian Environmental Protection Act; Other water-related legislation
14. **Computer System:**
Host computer: PC; Software: Lotus 123
15. **Comments:**
Subjects: Hydroelectric power industry, industrial effluents, industries, mining and metallurgical industries, statistics, thermal power industry, waste disposal, water treatment and purification, water use

16. Map indicating areas of data holdings:

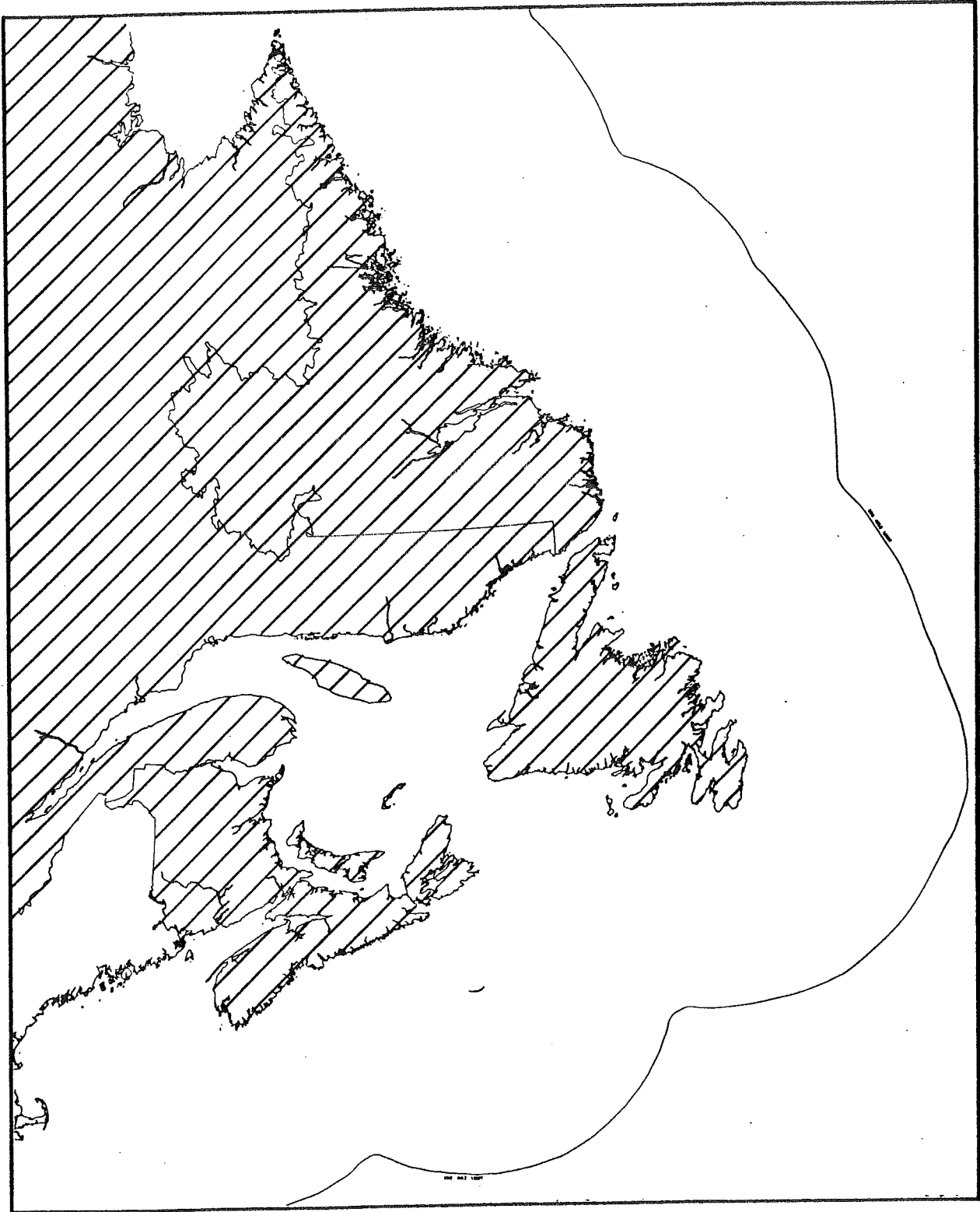


17. Signature: Verified

Date: June 26, 1992

1. **Database Title: Industrial Water Use Surveys: Hydro Generation**
2. **Contact Person:**
Dr. D.M. Tate
A/Chief, Environmental Economics and Strategies Development Division
Economics and Conservation Branch
Ecosystem Science and Evaluation Directorate
Conservation and Protection
Environment Canada
Place Vincent Massey, 9th Floor, Room 903
Ottawa, Ontario K1A 0H3
Tel (819) 953-3478; Fax (819) 997-8701
or
D.N. Scharf
Industrial Water Use
Same address
Tel (819) 953-1518
3. **Purpose:**
To determine water use in hydro electric generating plants for direct research and applied studies
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1972 to present
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Water use data for selected water use parameters
10. **Sampling Procedures:**
Periodic surveys of hydro power generation plants
11. **Program Type:**
Surveys
12. **Size/Growth:**
1200 records
13. **Environmental Legislation relevant to this data:**
Canada Water Act; Canadian Environmental Protection Act; Other water-related legislation
14. **Computer System:**
Host computer: PC; Software: Lotus 123
15. **Comments:**
Subjects: Hydroelectric power industry, industrial effluents, statistics, water use

16. Map Indicating areas of data holdings:

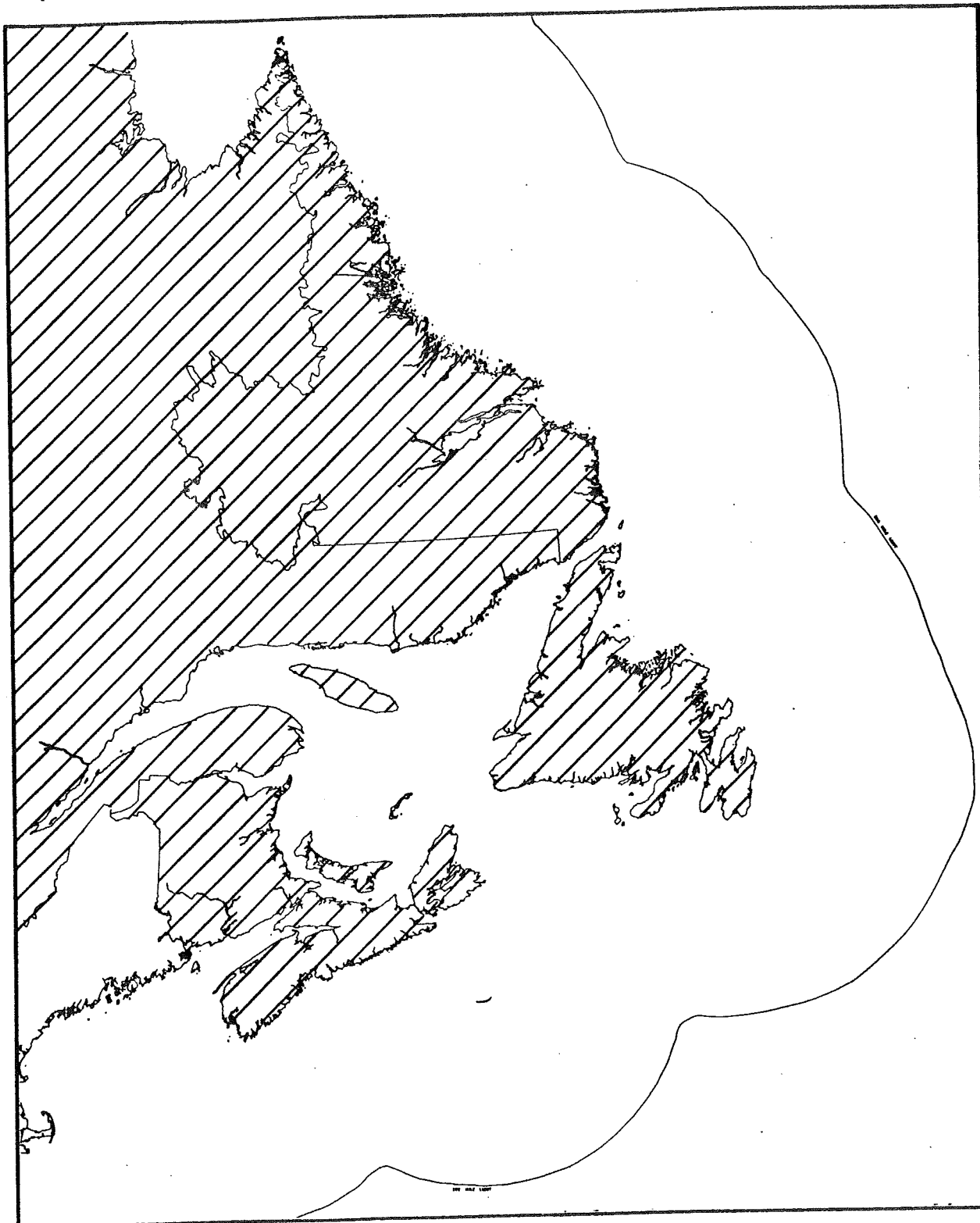


17. Signature: Verified

Date: June 26, 1992

1. **Database Title: Industrial Water Use Surveys: Manufacturing Industry**
2. **Contact Person:**
Dr. D.M. Tate
A/Chief, Environmental Economics and Strategies Development Division
Economics and Conservation Branch
Ecosystem Science and Evaluation Directorate
Conservation and Protection
Environment Canada
Place Vincent Massey, 9th Floor, Room 903
Ottawa, Ontario K1A 0H3
Tel (819) 953-3478; Fax (819) 997-8701
or
D.N. Scharf
Industrial Water Use
Same address
Tel (819) 953-1518
3. **Purpose:**
To collect data on water use by industry for direct research and applied studies
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: None; Restrictions: None
5. **Geographical Coverage/Scale:**
Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1972 to present
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Water use data for selected water use parameters such as water intake, discharge recirculation use, consumption and costs
10. **Sampling Procedures:**
Periodic national surveys of industrial establishments
11. **Program Type:**
Surveys
12. **Size/Growth:**
22,000 records
13. **Environmental Legislation relevant to this data:**
Canada Water Act; Canadian Environmental Protection Act; Other water-related legislation
14. **Computer System:**
Host computer: PC; Software: Lotus 123
15. **Comments:**
Subjects: Industrial effluents, manufacturing, industry, statistics, water treatment and purification, water use

16. Map Indicating areas of data holdings:

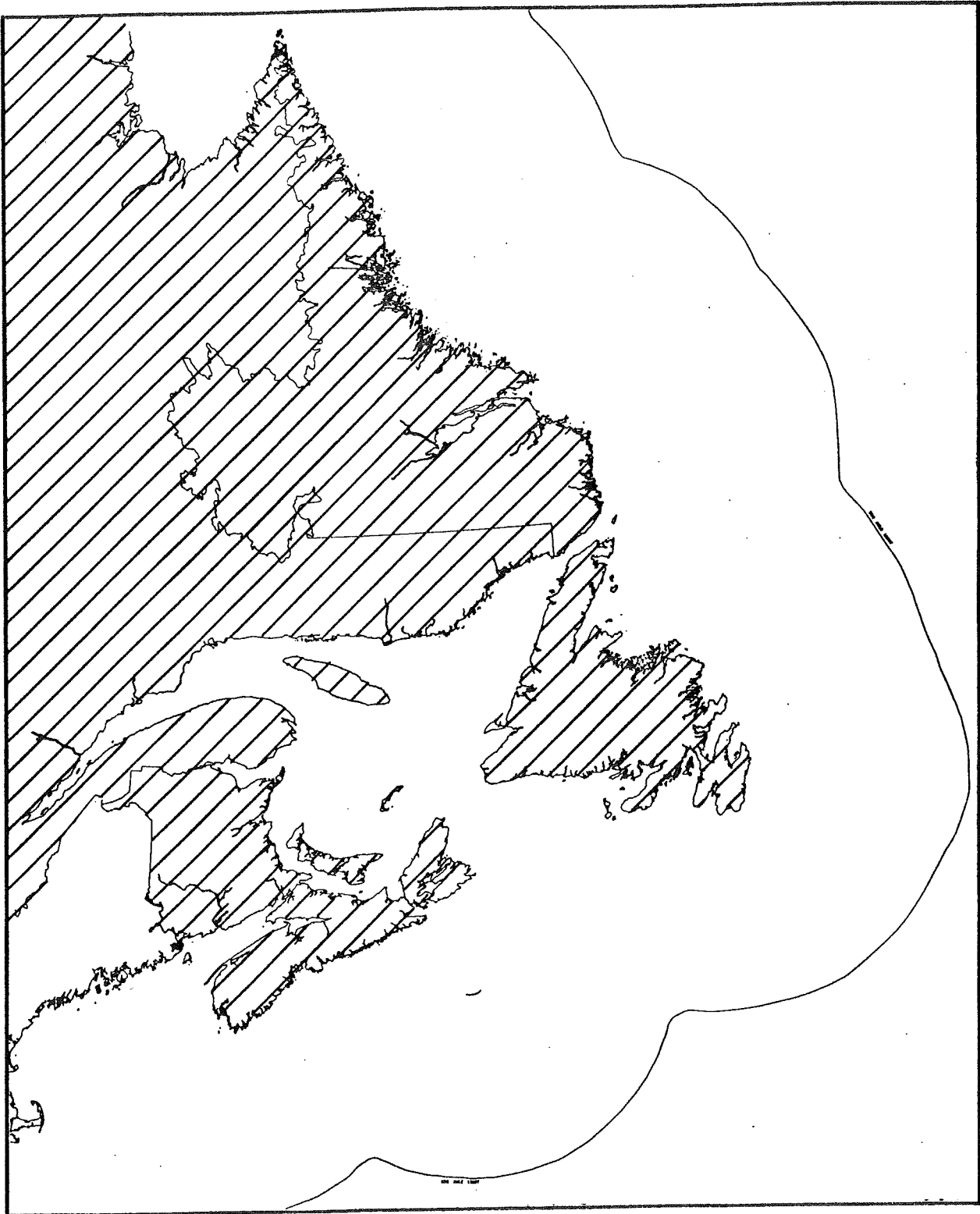


17. Signature: Verified

Date: June 26, 1992

1. **Database Title: Water Use Survey: Mining Industry**
2. **Contact Person:**
Dr. D.M. Tate
A/Chief, Environmental Economics and Strategies Development Division
Economics and Conservation Branch
Ecosystem Science and Evaluation Directorate
Conservation and Protection
Environment Canada
Place Vincent Massey, 9th Floor, Room 903
Ottawa, Ontario K1A 0H3
Tel (819) 953-3478; Fax (819) 997-8701
or
D.N. Scharf
Industrial Water Use
Same address
Tel (819) 953-1518
3. **Purpose:**
To determine water use in the mining industry for direct research and applied studies
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1972 to present
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Water use data for selected water use parameters
10. **Sampling Procedures:**
Periodic national surveys of mining establishments
11. **Program Type:**
Surveys
12. **Size/Growth:**
1100 records
13. **Environmental Legislation relevant to this data:**
Canada Water Act; Canadian Environmental Protection Act; Other water-related legislation
14. **Computer System:**
Host computer: PC; Software: Lotus 123
15. **Comments:**
Subjects: Industrial effluents, mining and metallurgical industries, statistics, water use

16. Map Indicating areas of data holdings:

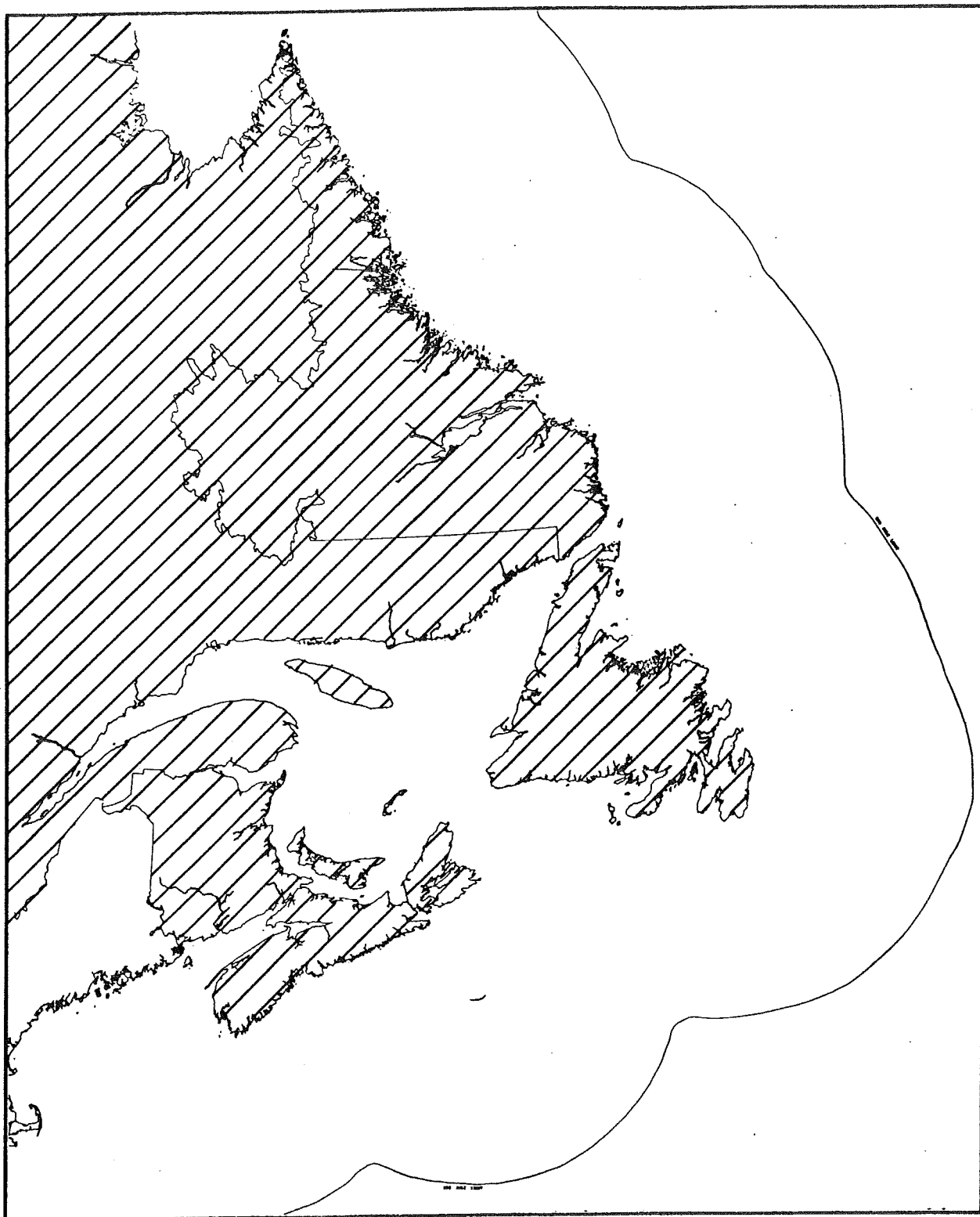


17. Signature: Verified

Date: June 26, 1992

1. **Database Title: Industrial Water Use Surveys: Thermal Electric Generating Plants**
2. **Contact Person:**
Dr. D.M. Tate
A/Chief, Environmental Economics and Strategies Development Division
Economics and Conservation Branch
Ecosystem Science and Evaluation Directorate
Conservation and Protection
Environment Canada
Place Vincent Massey, 9th Floor, Room 903
Ottawa, Ontario K1A 0H3
Tel (819) 953-3478; Fax (819) 997-8701
or
D.N. Scharf
Industrial Water Use
Same address
Tel (819) 953-1518
3. **Purpose:**
To determine water use in thermal electric generating plants for direct research and applied studies
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: None; Restrictions: None
5. **Geographical Coverage/Scale:**
Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1972 to present
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Water use data for selected water use parameters
10. **Sampling Procedures:**
Periodic national surveys of thermal electric power generation plants
11. **Program Type:**
Surveys
12. **Size/Growth:**
500 records
13. **Environmental Legislation relevant to this data:**
Canada Water Act; Canadian Environmental Protection Act; Other water-related legislation
14. **Computer System:**
Host computer: PC; Software: Lotus 123
15. **Comments:**
Subjects: Hydroelectric power industry, industrial effluents, statistics, thermal power industry, water treatment and purification, water use

16. Map indicating areas of data holdings:

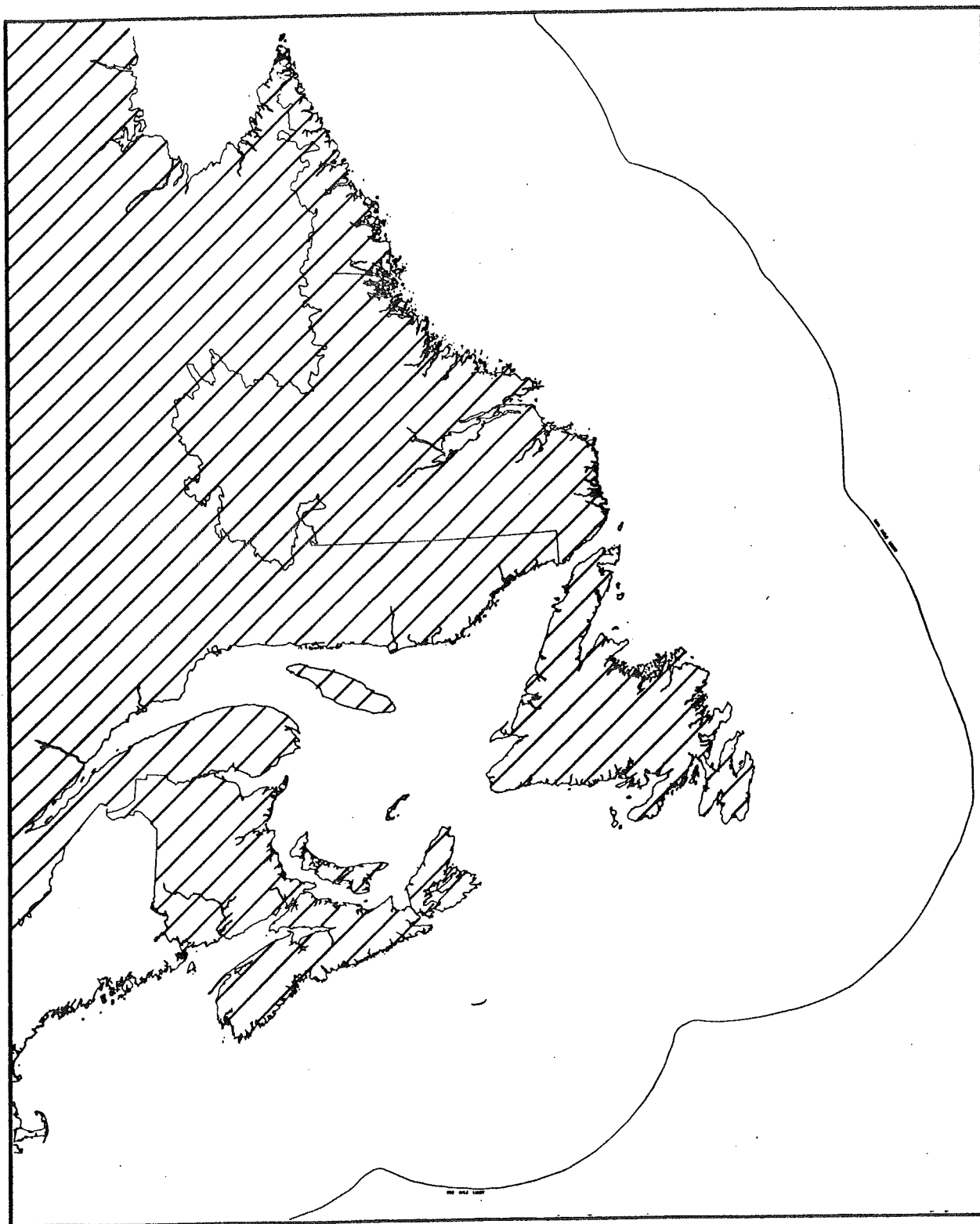


17. Signature: Verified

Date: June 26, 1992

1. **Database Title: Municipal Water Pricing Information**
2. **Contact Person:**
Dr. D.M. Tate
A/Chief, Environmental Economics and Strategies Development Division
Economics and Conservation Branch
Ecosystem Science and Evaluation Directorate
Conservation and Protection
Environment Canada
Place Vincent Massey, 9th Floor, Room 903
Ottawa, Ontario K1A 0H3
Tel (819) 953-3478; Fax (819) 997-8701
or
D. Lacelle
Municipal Water Resource Analyst
Same address as above
Tel (819) 953-1519
3. **Purpose:**
To collect municipal water pricing data to provide the basis for research, further analysis and planning studies
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: None; Restrictions: None
5. **Geographical Coverage/Scale:**
Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1986 to present
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Canadian municipal water pricing data for 1989, residential and commercial, as well as price calculations for typical volumes of use
10. **Sampling Procedures:**
11. **Program Type:**
Surveys
12. **Size/Growth:**
1400 records; few changes annually
13. **Environmental Legislation relevant to this data:**
Canada Water Act; Canadian Environmental Protection Act; Other water-related legislation
14. **Computer System:**
Host computer: PC; Software: Lotus 123
15. **Comments: any additional information**
Subjects: Cost, municipalities, water use

16. Map Indicating areas of data holdings:

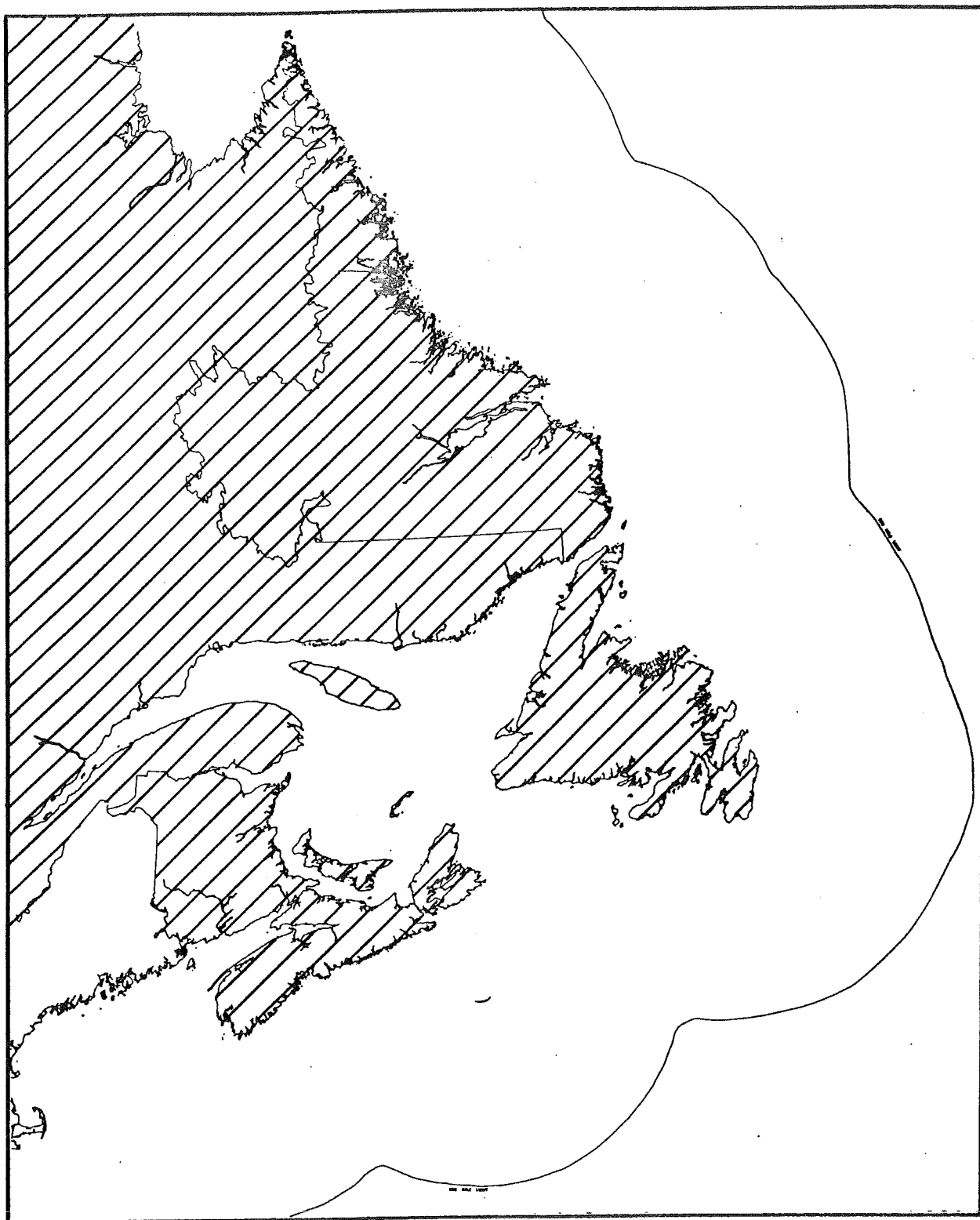


17. Signature: Verified

Date: June 26, 1992

1. **Database Title: Municipal Water Use Survey**
2. **Contact Person:**
D.M. Tate
A/Chief, Environmental Economics and Strategies Development Division
Economics and Conservation Branch
Ecosystem Science and Evaluation Directorate
Conservation and Protection
Environment Canada
Place Vincent Massey, 9th Floor, Room 903
Ottawa, Ontario K1A 0H3
Tel (819) 953-3478; Fax (819) 997-8701
or
D. Lacelle
Municipal Water Resources Analyst
Same address as above
Tel (819) 953-1519
3. **Purpose:**
To collect basic water use data for municipalities with over 1000 population for research and applied studies
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: None; Restrictions: None
5. **Geographical Coverage/Scale:**
Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Data on water intake, water use, and wastewater treatment. Data on pumpage and use by category (residential, commercial, industrial, institutional)
10. **Sampling Procedures:**
Periodic surveys of nationally distributed municipalities
11. **Program Type:**
Surveys
12. **Size/Growth:**
1600 records
13. **Environmental Legislation relevant to this data:**
Canada Water Act; Canadian Environmental Protection Act; Other water-related legislation
14. **Computer System:**
Host computer: PC; Software: Lotus 123
15. **Comments:**
Subjects: Groundwater, municipalities, wastewaters, water treatment and purification, water use

16. Map indicating areas of data holdings:

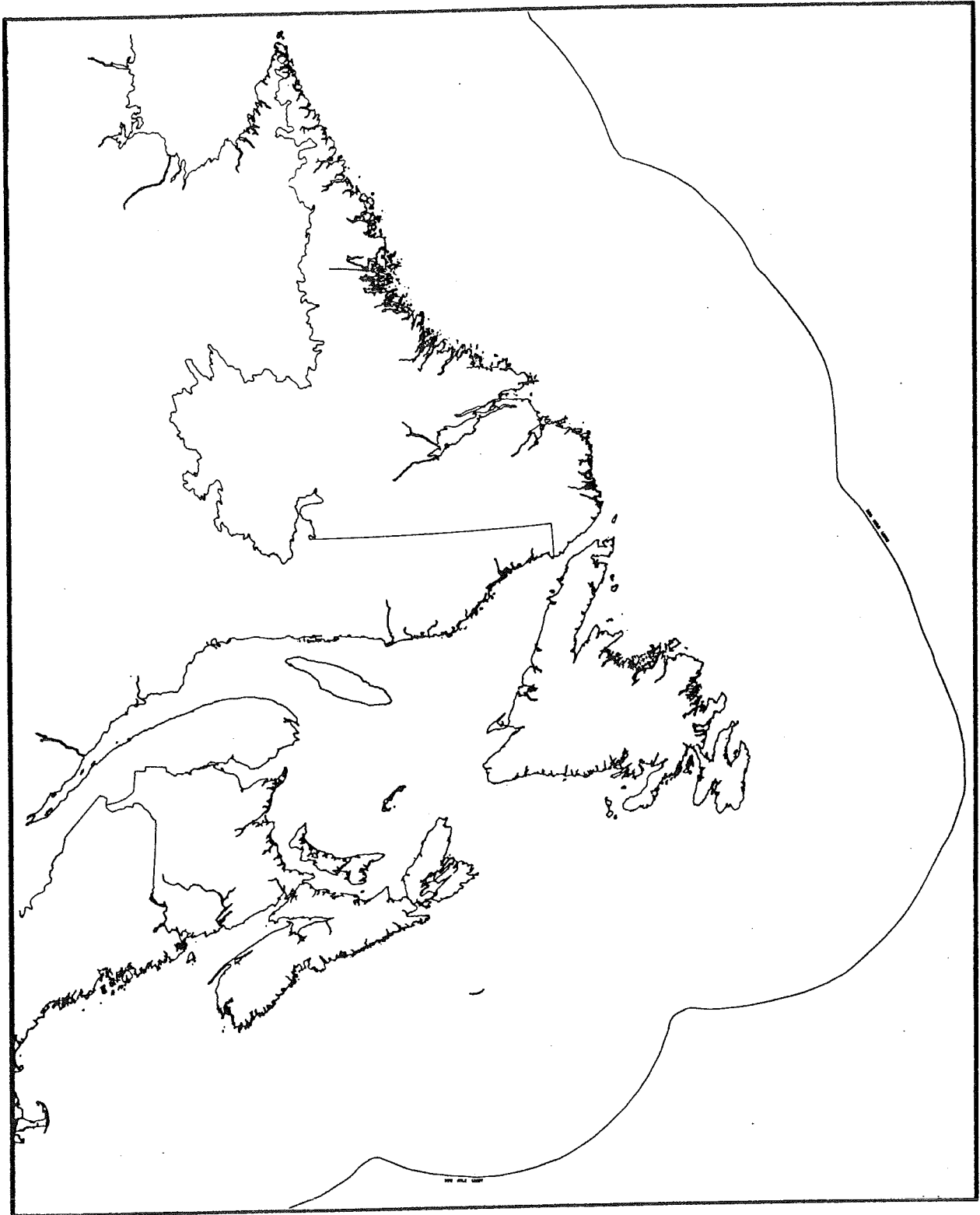


17. Signature: Verified

Date: June 26, 1992

1. **Database Title: Acid Rain (Wet Deposition and Aerosol Sulphate Monitoring Network)**
2. **Contact Person:**
Bill Moores
Conservation and Protection
Environment Canada
Queen Square
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-2004
3. **Purpose:**
To accumulate data for acid rain research
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Region
6. **Geographical Referencing:**
Latitude/Longitude; UTM
7. **Period of Record/Update Frequency:**
1979 to 1987
Intermittent update, as available samples are analyzed
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Chemical: Sulphate, chloride, nitrate, pH, magnesium, sulphuric acid, calcium, potassium
10. **Sampling Procedures:**
Event samplers
11. **Program Type:**
Monitoring and research
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Program stopped March 1987; information on data from some stations were used for acid rain research.

16. Map Indicating areas of data holdings:

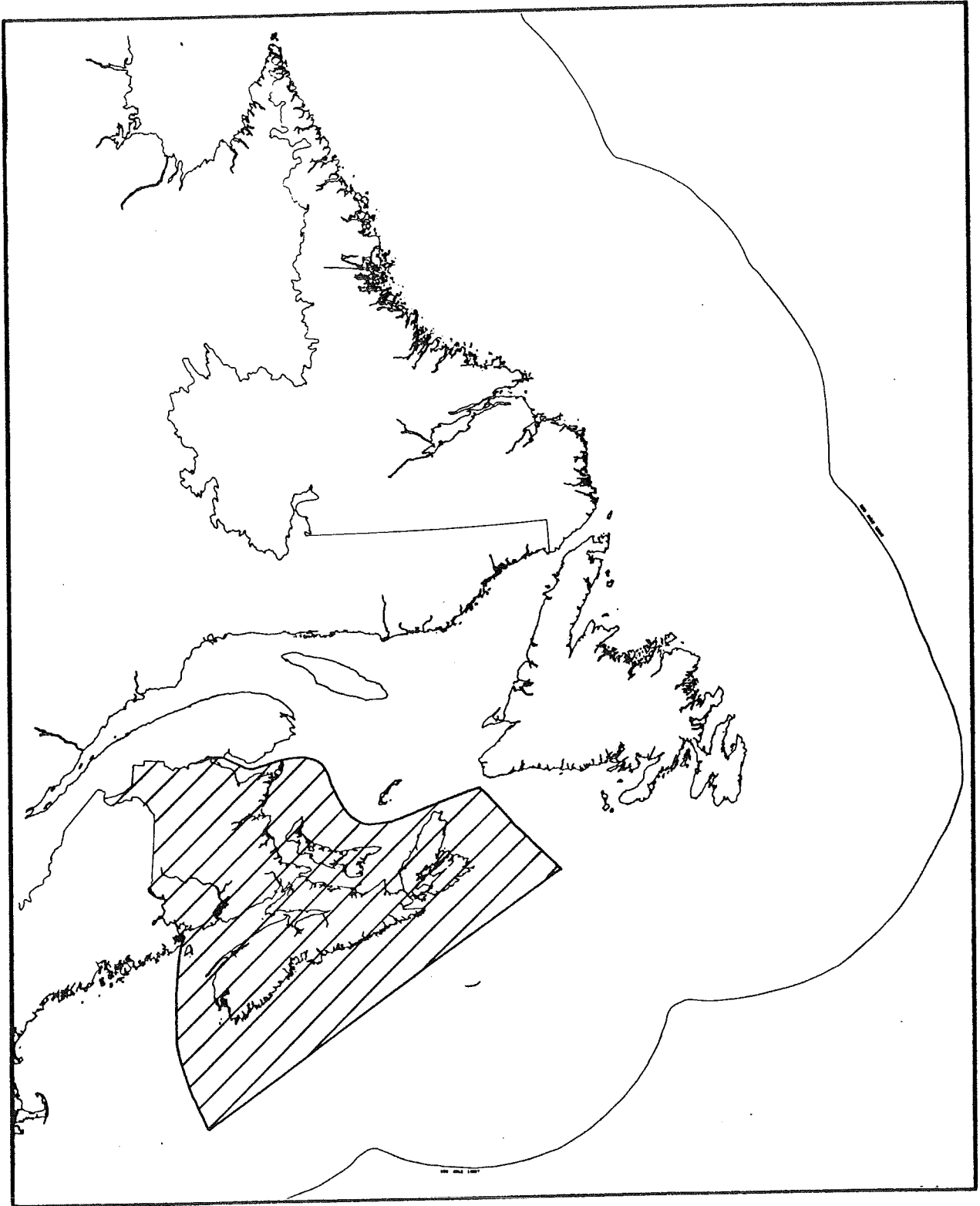


17. Signature: Verified

Date: August 31, 1992

1. **Database Title: Aquatic Toxicity: Protocols, Results, and Literature (AQUATOX)**
2. **Contact Person:**
Kenneth Doe
Head, Aquatic Toxicology Section
Environmental Protection Laboratory Division
Conservation and Protection, Atlantic Region
Environment Canada
45 Alderney Drive, 15th Floor
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-3284/426-5348; Fax (902) 426-8041
3. **Purpose:**
To provide information on the use of aquatic toxicity data in Environmental Protection pollution control programs in the Atlantic Region (test methods, test data, levels of substances that cause biological effects)
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: N/A; Restrictions: Some data may be considered protected by Environment Canada
5. **Geographical Coverage/Scale:**
Nova Scotia, New Brunswick, Prince Edward Island; Scale N/A
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:** 1975 to present
8. **Format:**
Hard-copy: Reports, photos, publications and videos
Media: 35mm slides, microfiche, magnetic and video tape, paper
9. **Data Types/Parameters Measured:**
Test protocols and aquatic toxicity test methods for fish, invertebrates, plants and micro organisms; toxicity test data generated by Environmental Protection Atlantic Region laboratory (chemicals, effluents); literature on toxicity of substances (e.g., metals, pesticides, oil spill dispersants, organic chemicals)
10. **Sampling Procedures:**
On-site surveys for industrial and spill sites
11. **Program Type:** Monitoring and research
12. **Size/Growth:**
Approximately 2500 test results; 250 additional results per annum - approximately 10% annual growth
13. **Environmental Legislation relevant to this data:**
Fisheries Act of Canada; Canadian Environmental Protection Act (CEPA); Provincial (N.S., N.B.) Environmental Protection Acts
14. **Computer System:**
Software: ORACLE (RDMS) and Lotus II (Conservation and Protection, Moncton)
15. **Comments:**
Subjects: Fish, invertebrates, pollutant effects, toxic substances, toxicology, water pollution

16. Map Indicating areas of data holdings:

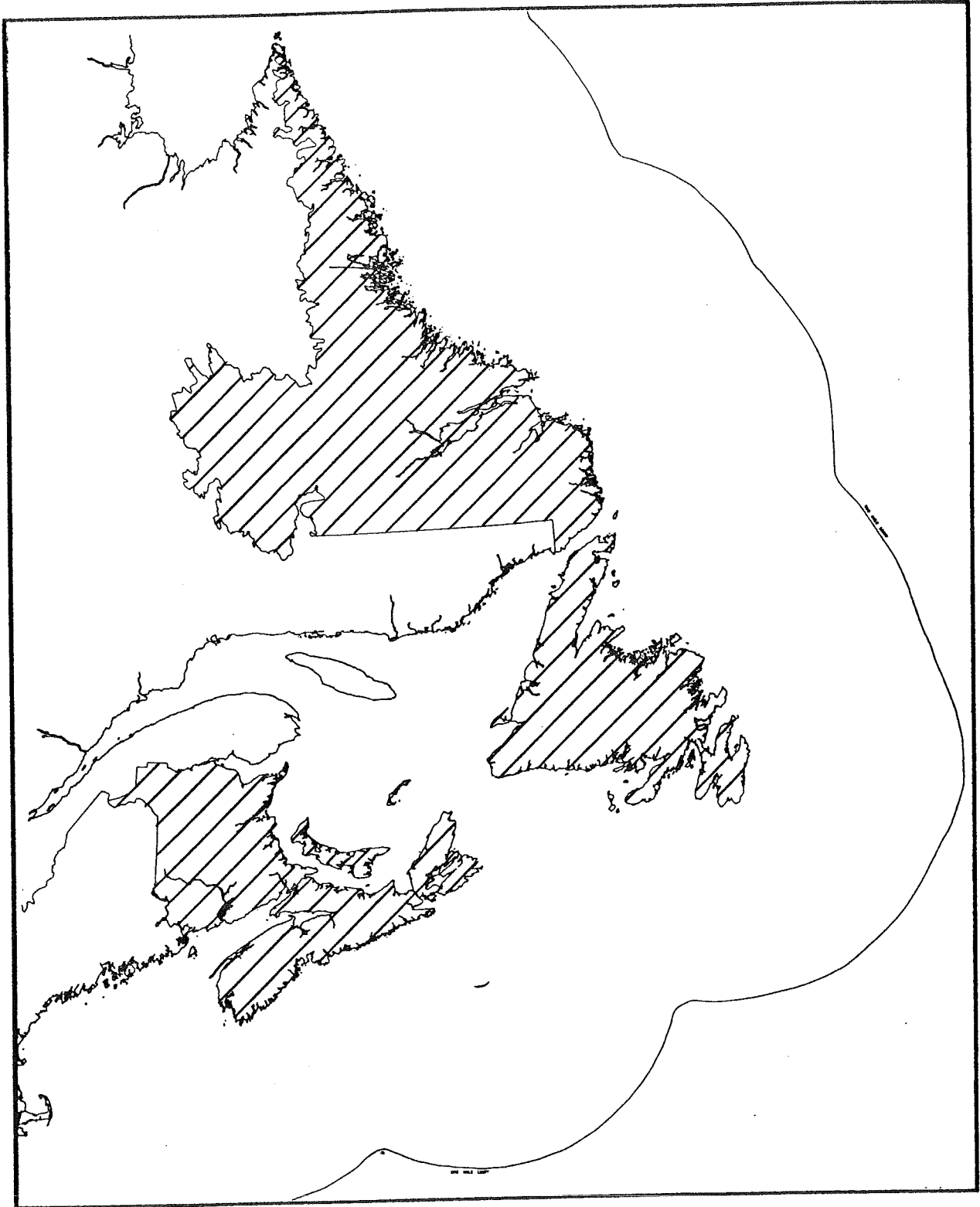


17. Signature: Verified

Date: June 15, 1992

1. **Database Title: ARPAC (Atlantic Region Pesticides Advisory Committee)**
2. **Contact Person:**
Bill Ernst
Environmental Protection
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-9064; Fax (902) 426-3897
3. **Purpose:**
To review pesticide programs in the Atlantic Region and to facilitate information exchange
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: No charge
Restrictions: Much of the information on specific operations is confidential
5. **Geographical Coverage/Scale:**
Atlantic Provinces - pesticide spray programs throughout the region
6. **Geographical Referencing:**
Latitude/Longitude on maps
7. **Period of Record/Update Frequency:**
1980 to present
Updated daily throughout the spring and summer
8. **Format:**
Hard-copy
E-Mail (DOTS)
9. **Data Types/Parameters Measured:**
Physical, chemical and biological: Location, area to be sprayed, pesticide type, pest to be controlled, type of application, proximity to watercourses
10. **Sampling Procedures:**
Information gathered from a pesticide program referrals
11. **Program Type:**
Monitoring
12. **Size/Growth:**
50 to 100 projects per year
13. **Environmental Legislation relevant to this data:**
Fisheries Act
Pest Control Products Act
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Data used by federal inter-agency committee - Fisheries and Oceans, Environment, Health and Welfare, Agriculture. Includes operational program information and mitigative recommendations.

16. Map indicating areas of data holdings:

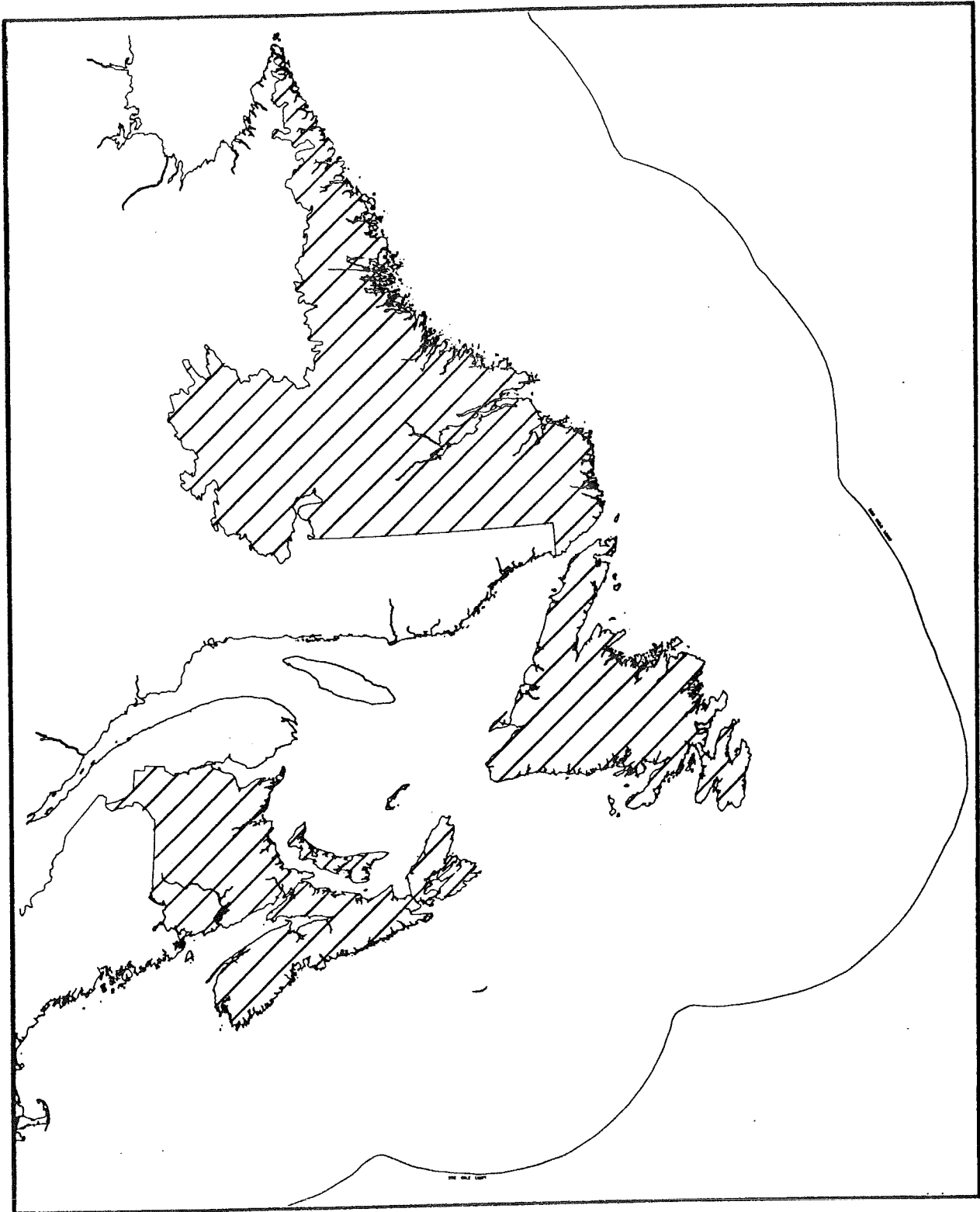


17. Signature: Verified

Date: June 11, 1992

1. **Database Title: Atlantic Monitoring Data (ATLMON)**
2. **Contact Person:**
André Gauthier
Environmental Control Branch
Environment Canada
45 Alderney Drive, 15th Floor
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-1855; Fax (902) 426-3574
3. **Purpose:**
To maintain a compendium of data analyzed by Environmental Protection
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions:
5. **Geographical Coverage/Scale:**
Atlantic Canada
6. **Geographical Referencing:**
Locator codes only
7. **Period of Record/Update Frequency:**
On-going compilation since 1974
Updated twice per year by sending LMS data
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Industrial discharge water quality, receiving streams water quality (plus some sediment and biota data); specific data elements available on request.
10. **Sampling Procedures:**
On-site surveys
11. **Program Type:**
Research, monitoring and surveys
12. **Size/Growth:**
Growth of approximately 2000 records per year
13. **Environmental Legislation relevant to this data:**
Canadian Environmental Protection Act
Fisheries Act
14. **Computer System:**
Host computer: CYBER
Operating System: NOS
Software: System 2000
15. **Comments:**
System is now off-line. Data will be transferred to new lab management system (LABS II)

16. Map indicating areas of data holdings:



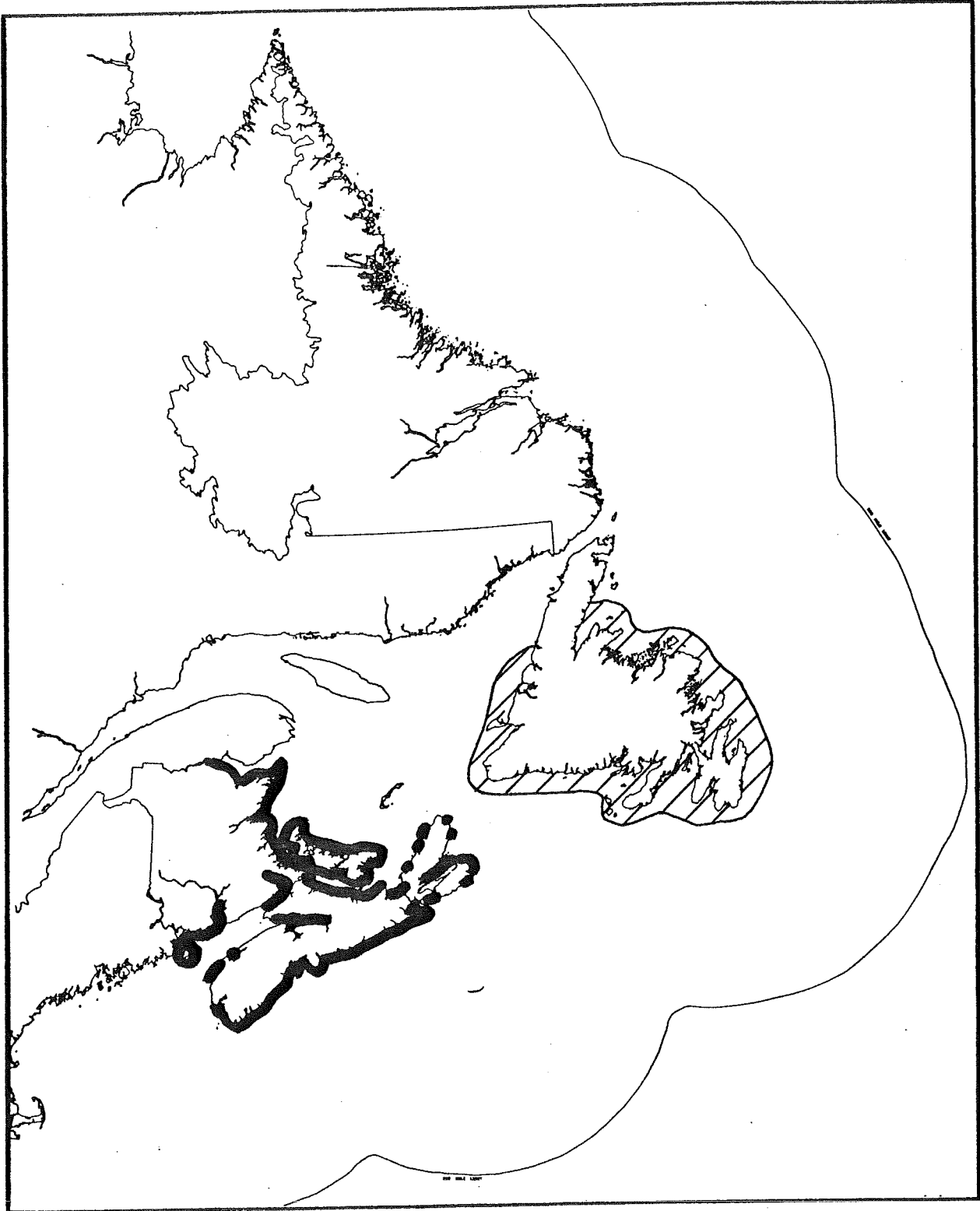
17. Signature: Verified

Date: June 12, 1992

1. **Database Title: Atlantic Shellfish Classification Area Database (ASCAD)**
2. **Contact Person:**

<p>John Machell Head, Ecological effects Section Environmental Protection Environment Canada 45 Alderney Drive, 5th Floor Dartmouth, Nova Scotia B2Y 2N6 Tel (902) 426-6133 Fax (902) 426-3574</p>	<p>Christopher Roberts Environmental Engineer Environmental Protection Environment Canada 45 Alderney Drive, 5th Floor Dartmouth, Nova Scotia B2Y 2N6 Tel (902) 426-4482 Fax (902) 426-3574 Email ROBERTSC@A1@CPDAR (EC DOTS)</p>
---	---
3. **Purpose:**
Classification of shellfish growing areas
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None at present
Restrictions: Data published following review by the Atlantic Shellfish Classification Committee and gazetted as Contaminated Fisheries Prohibition Order by the Department of Fisheries and Oceans
5. **Geographical Coverage/Scale:**
Coastal and estuarine waters of Nova Scotia, New Brunswick and Prince Edward and various areas in Newfoundland; Scale 1:50 000 (hard-copy maps); accuracy \pm 50m
6. **Geographical Referencing:**
UTM grid coordinates (zone, northing/easting)
7. **Period of Record/Update Frequency:**
1960 to present; updated annually (or as CEP Orders are issued)
8. **Format:**
Digital: xBase .DBF (under development)
Hard-copy: Shellfish Area Classification Inventory, maps
9. **Data Types/Parameters Measured:**
Area classified, shoreline length (as compiled)
10. **Sampling Procedures:**
None; interpretation of data from shellfish classification surveys
11. **Program Type:**
Surveys carried out under the Canadian Shellfish Sanitation Program
12. **Size/Growth:**
1500 records; 5% annual growth
13. **Environmental Legislation relevant to this data:**
Fisheries Act
14. **Computer System:**
Host computer: PC; Operating system: MS DOS; Software: FOXPRO
15. **Comments:**
At present, the data exists in hard-copy Shellfish Area Classification Indexes. Classified areas are digitized on an annual basis and a supporting database is under development scheduled for completion in 1993.

16. Map Indicating areas of data holdings:



17. Signature: Verified

Date: June 15, 1992

1. **Database Title: Atlantic Shellfish Growing Area Database - Shoreline Survey (ASGAD/SS)**
2. **Contact Person:**
Christopher Roberts
Environmental Engineer
Environmental Protection
Environment Canada
45 Alderney Drive, 5th Floor
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-4482; Fax (902) 426-3574
Email ROBERTSC@A1@CPDAR (EC DOTS)
3. **Purpose:**
Classification of shellfish growing areas and water pollution control
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: None at present; Restrictions: Data published following review by the Atlantic Shellfish Classification Committee
5. **Geographical Coverage/Scale:**
Coastal and estuarine areas of new Brunswick, Nova Scotia and Prince Edward Island and various areas in Newfoundland; Scale 1:50 000 (hard-copy maps); accuracy \pm 50m
6. **Geographical Referencing:**
UTM grid coordinates (zone, northing/easting)
7. **Period of Record/Update Frequency:**
1989 to present: digital
1958 to present: hard-copy
Updated every 3 to 5 years
8. **Format:**
Digital: WordPerfect 5.x, xBase .DBF
Hard-copy: Contained in Shellfish Growing Area Classification Reports
9. **Data Types/Parameters Measured:**
Sanitary observations
10. **Sampling Procedures:**
On-site surveys
11. **Program Type:**
Surveys carried out under the canadian Shellfish Sanitation Program
12. **Size/Growth:**
45,000 records; 20 to 25% annual growth
13. **Environmental Legislation relevant to this data:**
Fisheries Act
14. **Computer System:**
Host computer: PC, VAX
Operating system: MS DOS, VMS
Software: WordPerfect, FOXPRO, Oracle
15. **Comments:**
PCs used for data entry; historic archive on VAX; refer to ENVIROSOURCE entry No. 00581

16. Map indicating areas of data holdings:

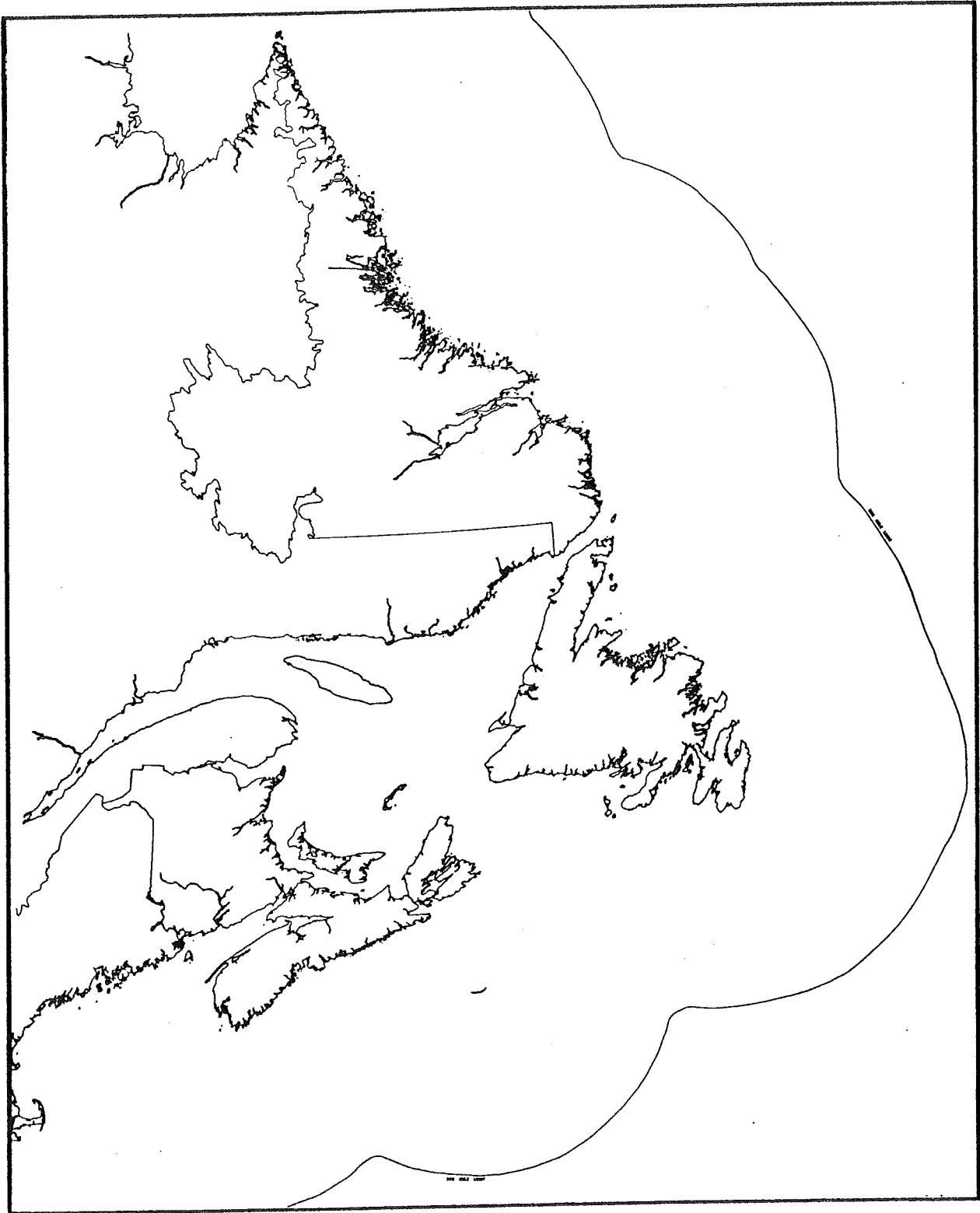


17. Signature: Verified

Date: June 15, 1992

1. **Database Title:** Atlantic Shellfish Growing Area Database - Water Quality (ASGAD/WQ)
2. **Contact Person:**
Christopher Roberts
Environmental Engineer
Environmental Protection
Environment Canada
45 Alderney Drive, 5th Floor
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-4482; Fax (902) 426-3574
Email ROBERTSC@A1@CPDAR (EC DOTS)
3. **Purpose:**
Classification of shellfish growing areas; water pollution control; water quality
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: None at present; Restrictions: Data published following review by the Atlantic Shellfish Classification Committee
5. **Geographical Coverage/Scale:**
Coastal and estuarine waters of New Brunswick, Nova Scotia and Prince Edward Island and various areas in Newfoundland; Scale: 1:50 000 (hard-copy maps); accuracy \pm 50m
6. **Geographical Referencing:**
UTM grid coordinates (zone, northing/easting)
7. **Period of Record/Update Frequency:**
1979 to present: digital
1958 to present: hard-copy reports
Updated every 1 to 5 years
8. **Format:**
Digital: xBase . DBF, Oracle RDBMS tables
Hard-copy: Contained in Shellfish Growing Area Reports, maps
9. **Data Types/Parameters Measured:**
Fecal-coliform, salinity, water and air temperature
10. **Sampling Procedures:**
On-site surveys
11. **Program Type:**
Surveys, monitoring carried out under the Canadian Shellfish Sanitation Program
12. **Size/Growth:**
45,000 records; 15% annual growth
13. **Environmental Legislation relevant to this data:**
Fisheries Act
14. **Computer System:**
Host computer: PC, VAX
Operating system: MS DOS, VMS
Software: FOXPRO, Oracle
15. **Comments:**
PCs used for data entry; historic archive on VAX; refer to ENVIROSOURCE entry No. 00581

16. Map Indicating areas of data holdings:

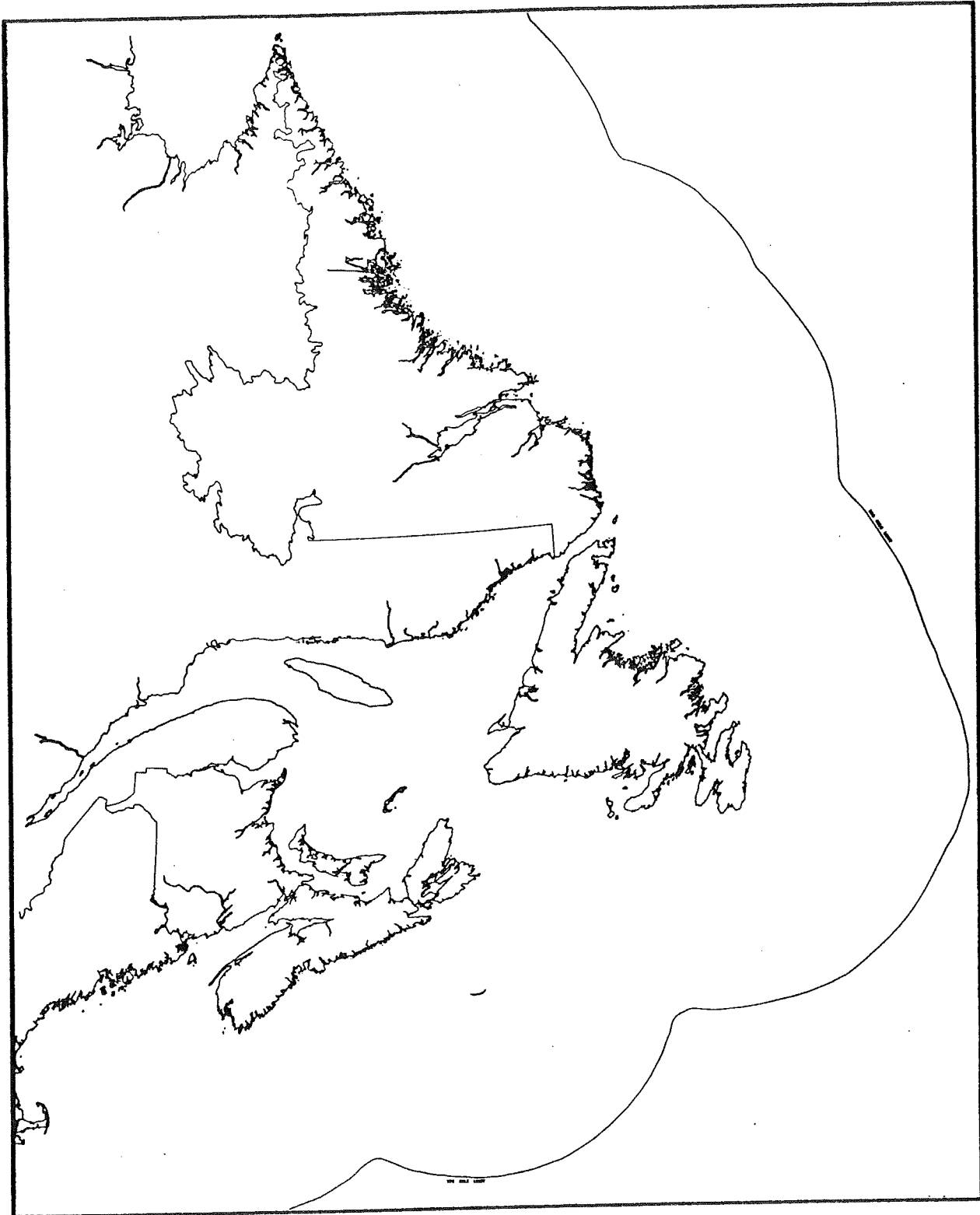


17. Signature: Verified

Date: June 12, 1992

1. **Database Title: Atlantic Wastewater Treatment Plant Database (proposed 1992-93)**
2. **Contact Person:**
Christopher Roberts
Environmental Engineer
Environmental Protection
Environment Canada
45 Alderney Drive, 5th Floor
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-4482; Fax (902) 426-3574
E-mail: ROBERTSC@A1@CPDAR (ECDOTS)
3. **Purpose:**
Water pollution monitoring and control and water quality
4. **Access/Fees/Restrictions:**
Access: For municipal plants - through participating provincial agencies; For federal facilities - through contact person
Fees: None at present
Restrictions: Provincial government data is subject to provincial restrictions. Federal government data for federal facilities is public. Industrial data and company-reported data is privileged/restricted.
5. **Geographical Coverage/Scale:**
New Brunswick, Nova Scotia and Prince Edward Island and various areas in Newfoundland
6. **Geographical Referencing:**
Latitude/Longitude; UTM grid coordinates (zone, northing/easting)
7. **Period of Record/Update Frequency:**
Unknown at present
8. **Format:**
Digital: xBase .DBF
9. **Data Types/Parameters Measured:**
Physical, chemical and biological: pH, BOD, SS, coliforms, some metals, some organics
10. **Sampling Procedures:**
On-site surveys and inspections
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Unknown at present
13. **Environmental Legislation relevant to this data:**
Provincial Environmental Acts, Federal Fisheries Act, Canadian Environmental Protection Act
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software: FOXPPO (compiled application)
15. **Comments:**
The system is currently under development. The database will be part of a federal-provincial MoU.

16. Map indicating areas of data holdings:

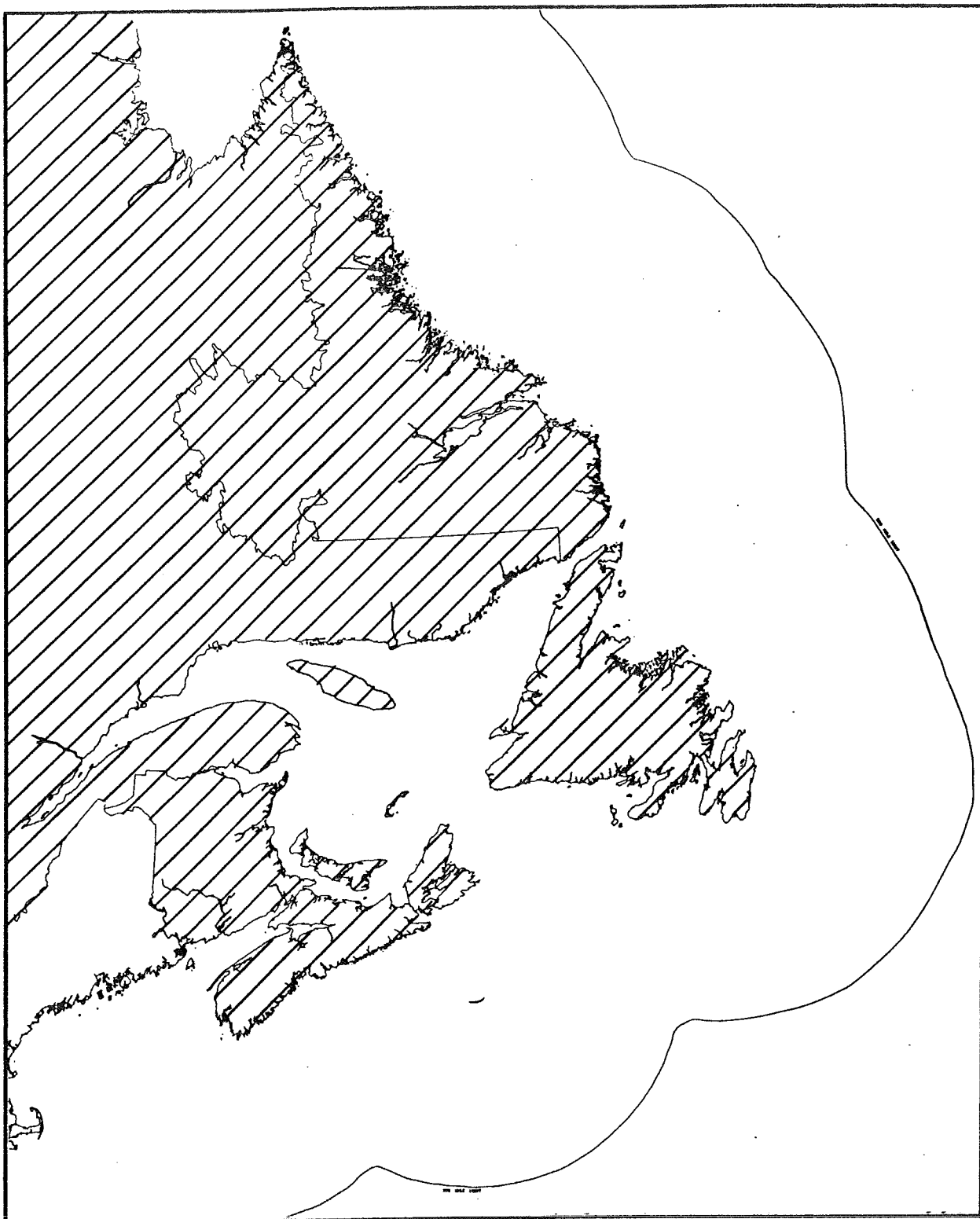


17. Signature: Verified

Date: June 12, 1992

1. **Database Title: CCME National Inventory of Environmental Research and Development Projects**
2. **Contact Person:**
Carl Renchuk
CCME Office
Environment Canada
Winnipeg, Manitoba
Tel (204) 948-2172; Fax (204) 948-2125
3. **Purpose:**
A bibliographic reference for researchers to help avoid duplication and facilitate technical transfer
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: No restrictions; may become available on CANOLE, then fees will be applied
5. **Geographical Coverage/Scale:**
National
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1987 to February 1990
Frequency of update under review
8. **Format:**
Digital
Hard-copy: Publication available from CCME (Canadian Council of Ministers of the Environment)
9. **Data Types/Parameters Measured:**
Descriptive information on individual research projects
10. **Sampling Procedures:**
Information gathered through survey forms
11. **Program Type:**
Research and development
12. **Size/Growth:**
3040 records
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software: Micro-Questel
15. **Comments:**
Publication available contains portions of each project entry

16. Map Indicating areas of data holdings:

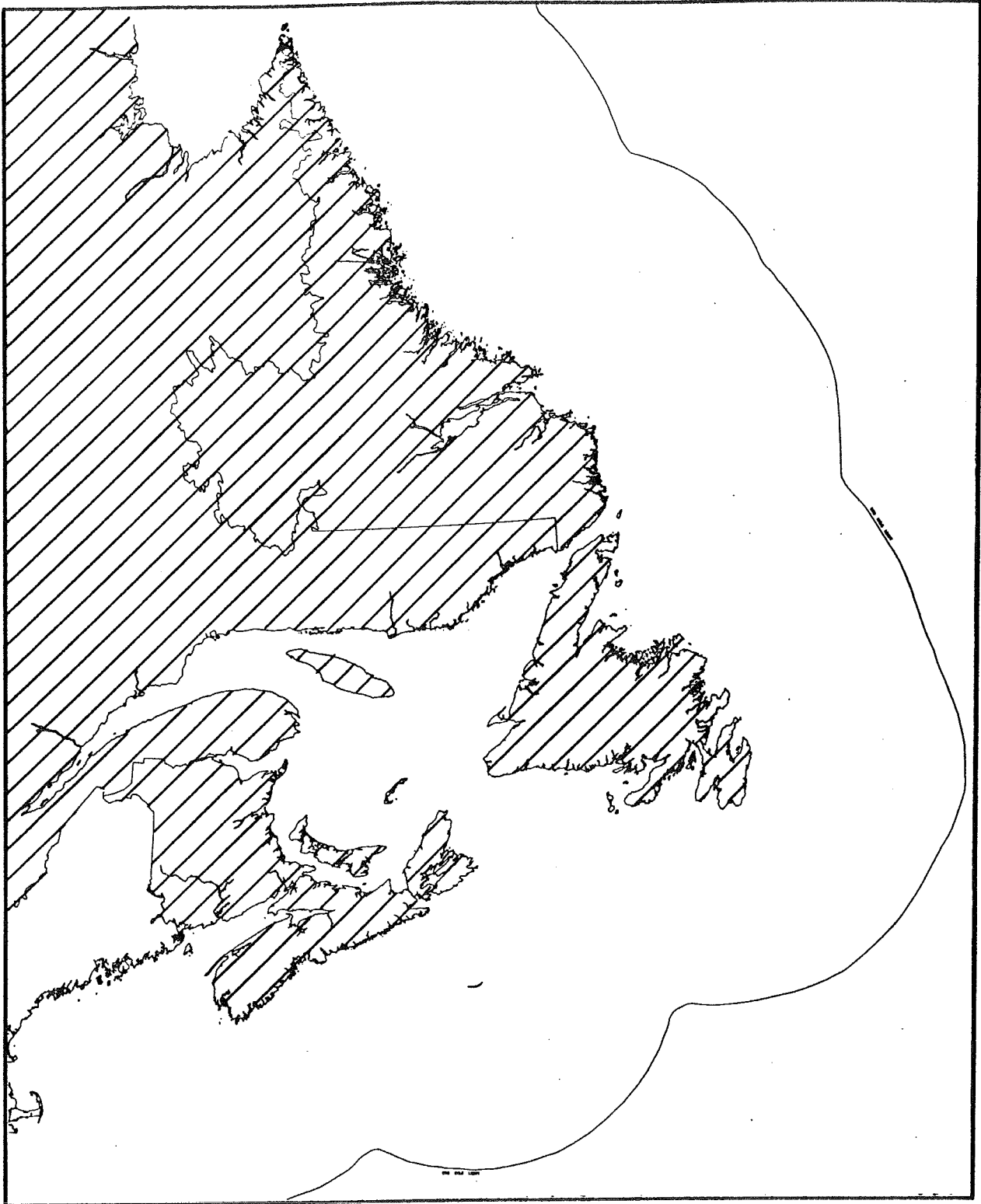


17. Signature: Verified

Date: September 29, 1992

1. **Database Title: Chemicals Profile Database - Schedule II List II
Transportation of Dangerous Goods (CHEMPROF)**
2. **Contact Person:**
Luke Trip or Vladimira Skubnik
Environmental Protection
Environment Canada
Ottawa, Ontario K1A 0H3
Tel (819) 953-3415, (819) 953-1657
3. **Purpose:**
To update regulations under the Transportation of Dangerous Goods (TDG) Act and to provide information on TDG chemicals
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
National - all provinces and territories
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1988 to present
Updated irregularly
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical and chemical properties, chemical group, hazard rank, aquatic toxicity, acute toxicity, chronic toxicity of TDG Listed Dangerous Goods in Schedule II List II
10. **Sampling Procedures:**
Literature survey
11. **Program Type:**
Survey and research
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software: dBASE III+
15. **Comments:**
Over 900 chemicals in the database

16. Map Indicating areas of data holdings:

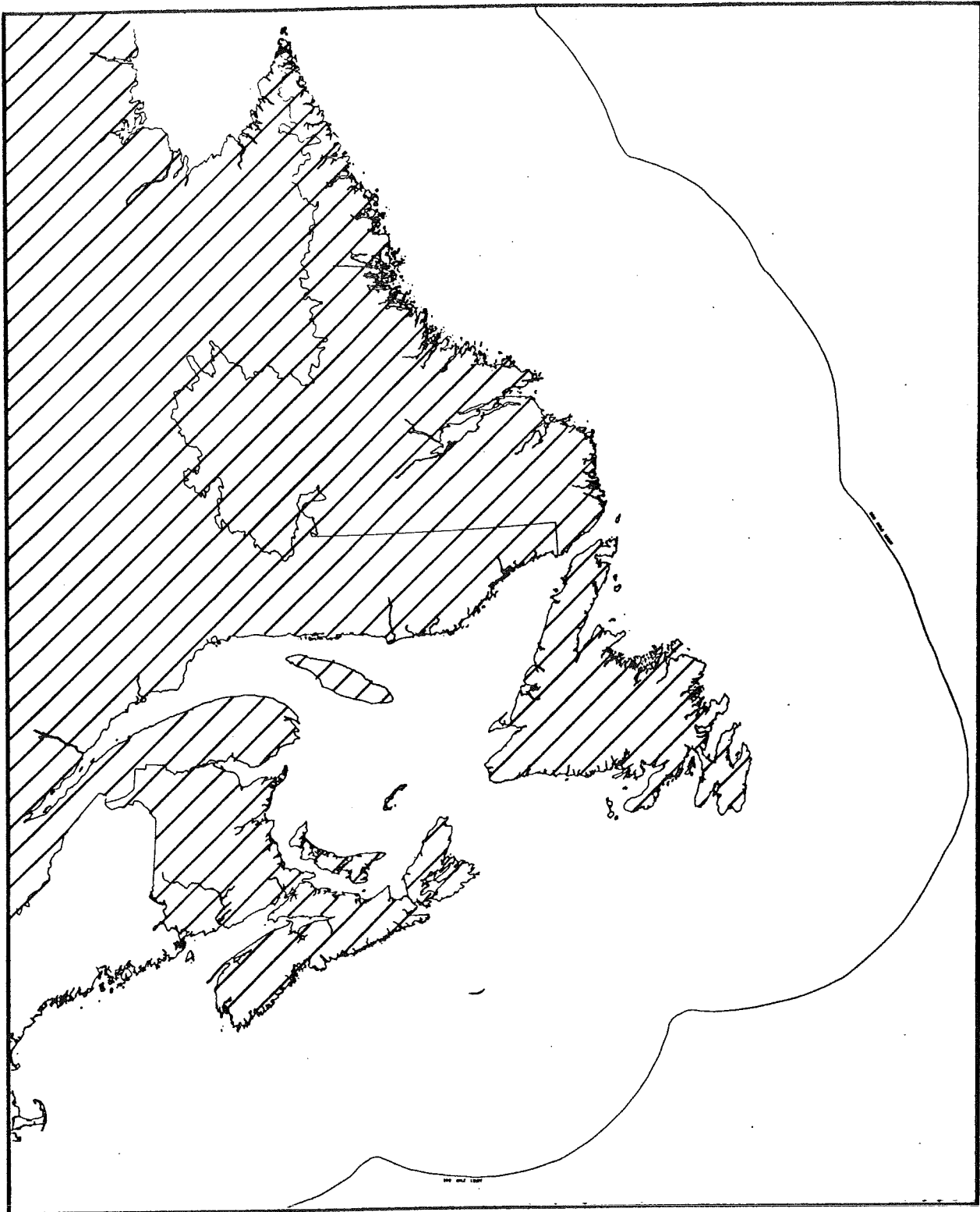


17. Signature: Unverified

Date:

1. **Database Title: Clean Air Technologies**
2. **Contact Person:**
Ray Klicius
Head, Technology Applications
Clean Air Technology Division
Technology Development Branch
Environment Canada
Asticou Centre, Unit 100
241 Cité des Jeunes
Hull, Québec K1A 0H3
Tel (819) 953-8717; Fax (819) 953-4705
3. **Purpose:**
To inform policy makers and generators of air pollution as to available air pollution control technologies required to meet specific objectives or information on BACT (Best Available Control Technologies)
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: DBMS is currently under development
5. **Geographical Coverage/Scale:**
National
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Current
Updated continuously
8. **Format:**
9. **Data Types/Parameters Measured:**
10. **Sampling Procedures:**
11. **Program Type:**
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
Air Pollution Control Legislation
International/National/Provincial
14. **Computer System:**
Host computer: IBM compatible PC
Operating System: MS DOS
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

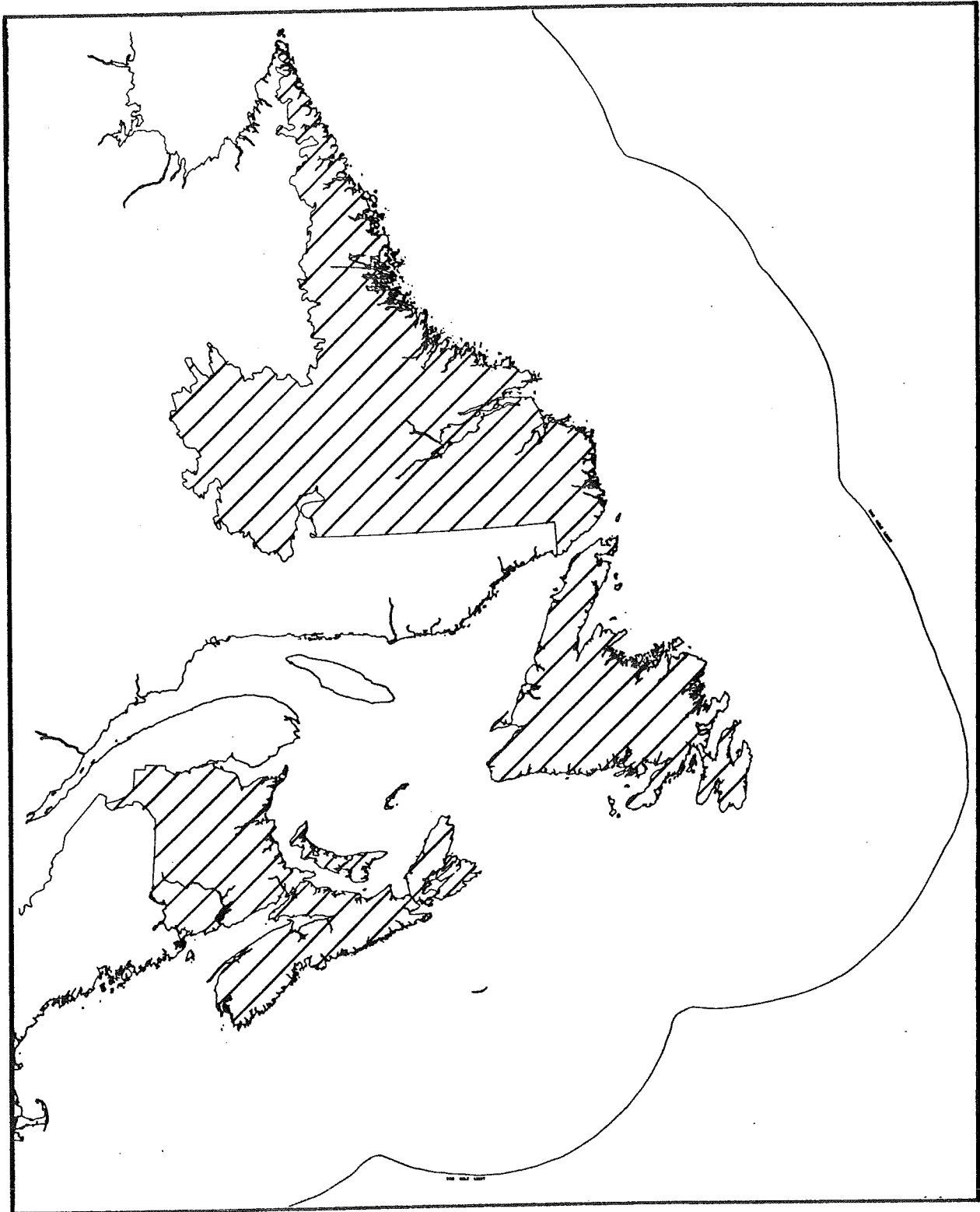


17. Signature: Verified

Date: July 31, 1992

1. **Database Title: Company Reported Environmental Data**
This is not a single database but a number of databases maintained by staff of the Environmental Control Branch. Each major pollution source has its own database.
2. **Contact Person:**
André Gauthier
Environmental Protection
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-1855; Fax (902) 426-3574
3. **Purpose:**
To maintain data to ensure that major industries in the Atlantic Region are in compliance with environmental guidelines and regulations
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: None; Restrictions: Some data is proprietary - may be released with the permission of the data source.
5. **Geographical Coverage/Scale:**
Atlantic Provinces - major point sources of water pollution
6. **Geographical Referencing:**
Latitude/Longitude; UTM
7. **Period of Record/Update Frequency:**
1984 to present; updated anywhere from daily to monthly depending on applicable regulations and guidelines
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Chemical: Production rates, effluent rates, metals, sulphides, phenols, BOD, suspended solids parameters depend on type of industry
10. **Sampling Procedures:**
According to approved methods - grab and composite samples collected by Environment Canada and industry
11. **Program Type:**
Monitoring and survey
12. **Size/Growth:**
No. of records ranges from 50 to 1000 depending on industry
13. **Environmental Legislation relevant to this data:**
Fisheries Act and Canadian Environmental Protection Act
14. **Computer System:**
Host computer: IBM compatible PC; Operating system: MS DOS; Software: Lotus 123, dBASE
15. **Comments:**
Compilation of data may also be released if individual companies cannot be readily identified. Major industries include pulp and paper mills, mines, oil refineries, thermal power plants, food processing industries, smelters, steel mills and chemical plants.

16. Map Indicating areas of data holdings:

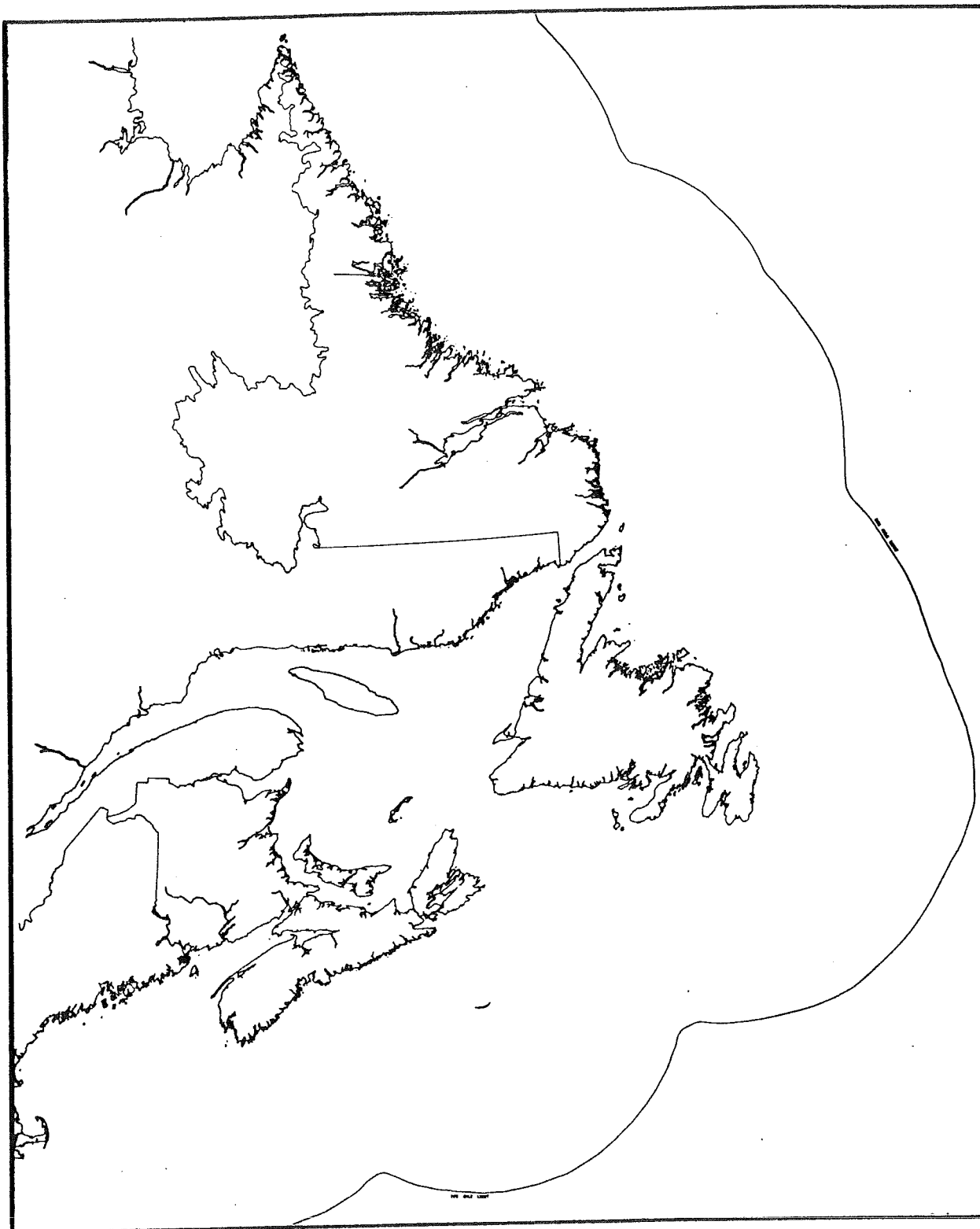


17. Signature: Verified

Date: June 12, 1992

1. **Database Title: Company Reported Environmental Data - Newfoundland District**
2. **Contact Person:**
Kevin C. Power
Head, Environmental Engineering
Environmental Protection/Newfoundland
Environment Canada
PO Box 5037
St. John's, Newfoundland
Tel (709) 772-4005; Fax (709) 772-5097
3. **Purpose:**
Company audits of regulatory compliance with Fisheries Act
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Company confidentiality
5. **Geographical Coverage/Scale:**
Insular Newfoundland and Labrador West
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
Updated monthly: Quarterly reports
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Effluent monitoring data
10. **Sampling Procedures:**
On-site surveys
11. **Program Type:**
Monitoring
12. **Size/Growth:**
1970's to present
13. **Environmental Legislation relevant to this data:**
Canada Fisheries Act (Pulp and Paper, Mining and Petroleum Regulations)
14. **Computer System:**
Host computer: PC
Operating System: MS DOS
Software: Lotus 123
15. **Comments:**

16. Map indicating areas of data holdings:

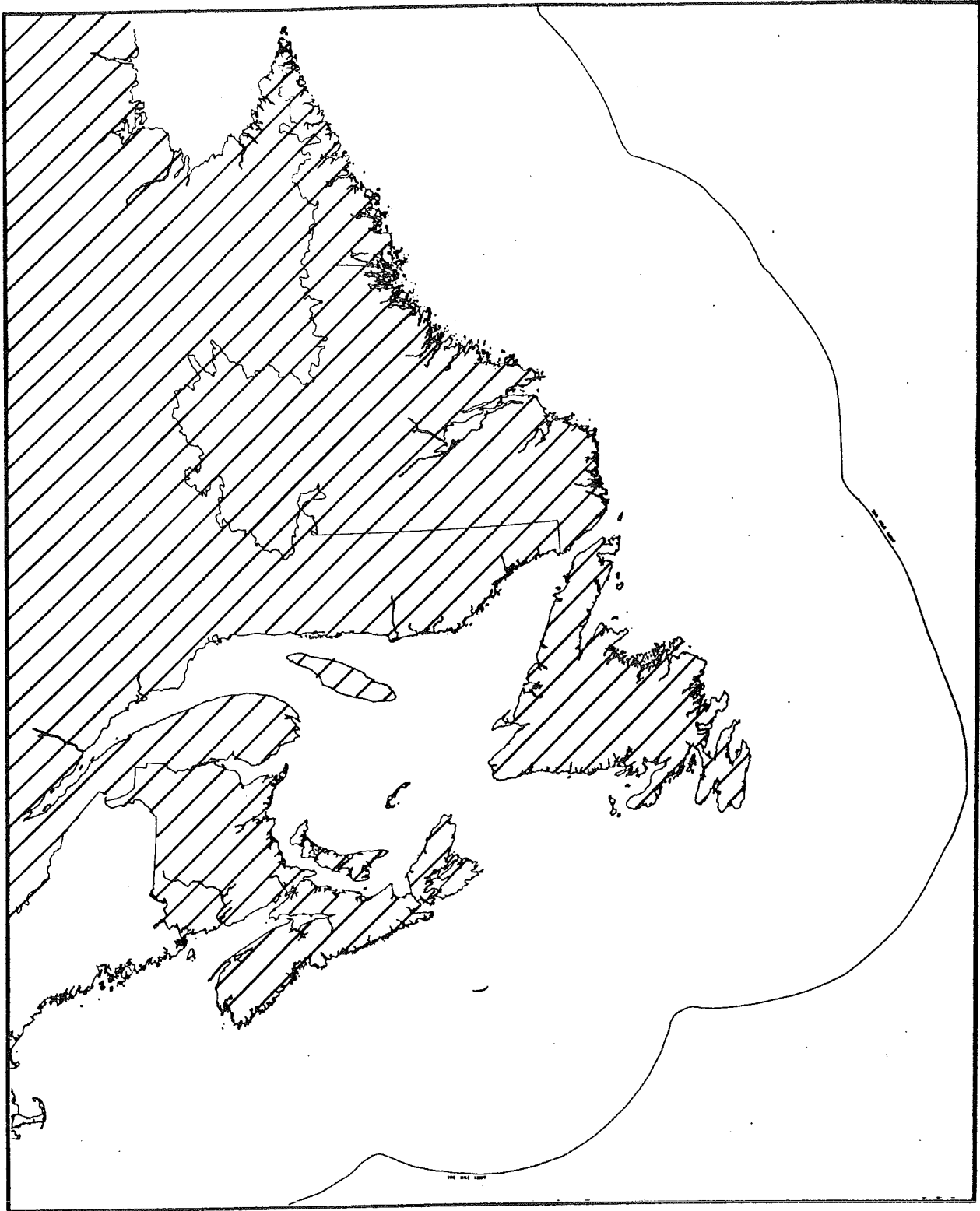


17. Signature: Verified

Date: June 26, 1992

1. **Database Title: Compendium (COMP)**
2. **Contact Person:**
Ron Solman or Tom Furmanczyk
Environmental Protection
Environment Canada
Ottawa, Ontario K1A 0H3
Tel (819) 953-1656
3. **Purpose:**
A national database to provide historical trend information on 5 common air pollutants on an economic and provincial basis
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
National - all provinces and territories
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Established in 1985 but data goes back to 1970
Update frequency uncertain
8. **Format:**
9. **Data Types/Parameters Measured:**
Chemical: Sulphur dioxide, nitrogen oxides, carbon monoxide, total hydrocarbons and particulate matter
10. **Sampling Procedures:**
Data calculated based on transportation and fuel consumption data from Statistics Canada and production data from other sources.
11. **Program Type:**
Monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system:
Software: dBASE III
15. **Comments:**

16. Map indicating areas of data holdings:



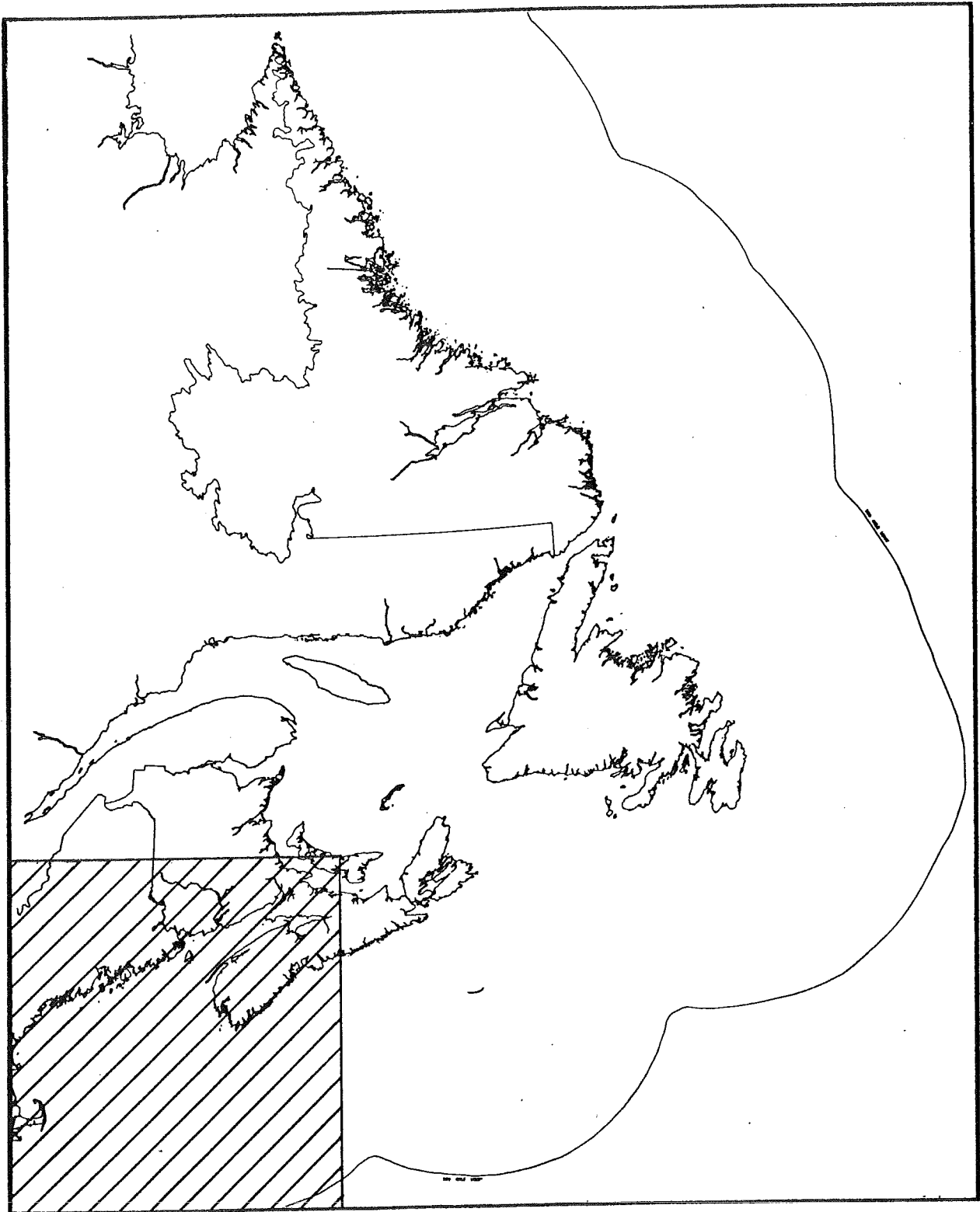
17. Signature: Unverified

Date:

1. **Database Title: FMG Resource and Environmental Database v1.0**
2. **Contact Person:**

<p>Claudette LeBlanc Resource Information Division Land Registration and Information Service PO Box 310, 16 Station Street Amherst, Nova Scotia Canada B4H 3Z5 Tel (902) 667-7231; Fax (902) 667-6008</p>	<p>Ian Clayton AXSES Inc Geographic Information Systems Boutiliers Point Halifax, Nova Scotia Canada B3J 1G0 Tel (902) 826-2440; Fax (902) 826-7274</p>
--	--
3. **Purpose:**
To provide easy access to an integrated database of resource and environmental information specifically related to the Gulf of Maine, Bay of Fundy and Georges Bank region
4. **Access/Fees/Restrictions:**
Access: LRIS (CARIS version of the Database); AXSES Inc. (GeoAXSES version)
Fees: Available upon request; Restrictions: Available upon request
5. **Geographical Coverage/Scale:**
The marine environment of the Gulf of Maine, Bay of Fundy and Georges Bank region and the coastal areas from Halifax, Nova Scotia to Newport, Rhode Island.
Map data scale: 1:1 000 000; Point data accuracy varies from a second to a degree of latitude.
6. **Geographical Referencing:**
Latitude and longitude; Northing/Easting; Lambert Conformal Projection
7. **Period of Record/Update Frequency:**
1978 to 1990
8. **Format:**
Digital: Tape (1600BPI/TK50) and Floppy Disk (3.5"/1.2Mb); Hard-copy: Plots can be generated on demand.
9. **Data Types/Parameters Measured:**
Fisheries science, hydrography, oceanography, biological, physical, chemical, marine geosciences, socio-economic, infrastructure, transportation, i.e. land based information which relates to marine activity, etc.; specific data elements available upon request.
10. **Sampling Procedures:**
Compilation of existing information, data and databases
11. **Program Type:**
Research and mapping
12. **Size/Growth:**
CARIS version: 30 Megabytes; GeoAXSES version: 15 Megabytes
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX and PC; Operating system: VMS, UNIX and MS DOS; Software: CARIS with INGRES or GeoAXSES with dBASE III
15. **Comments:**
The FMG Resource and Environmental Database is distributed by LRIS and AXSES Inc under agreement with Environment Canada. The FMG Database is available for use in CARIS/INGRES format from LRIS or in GeoAXSES/dBASE III format from AXSES Inc.

16. Map indicating areas of data holdings:

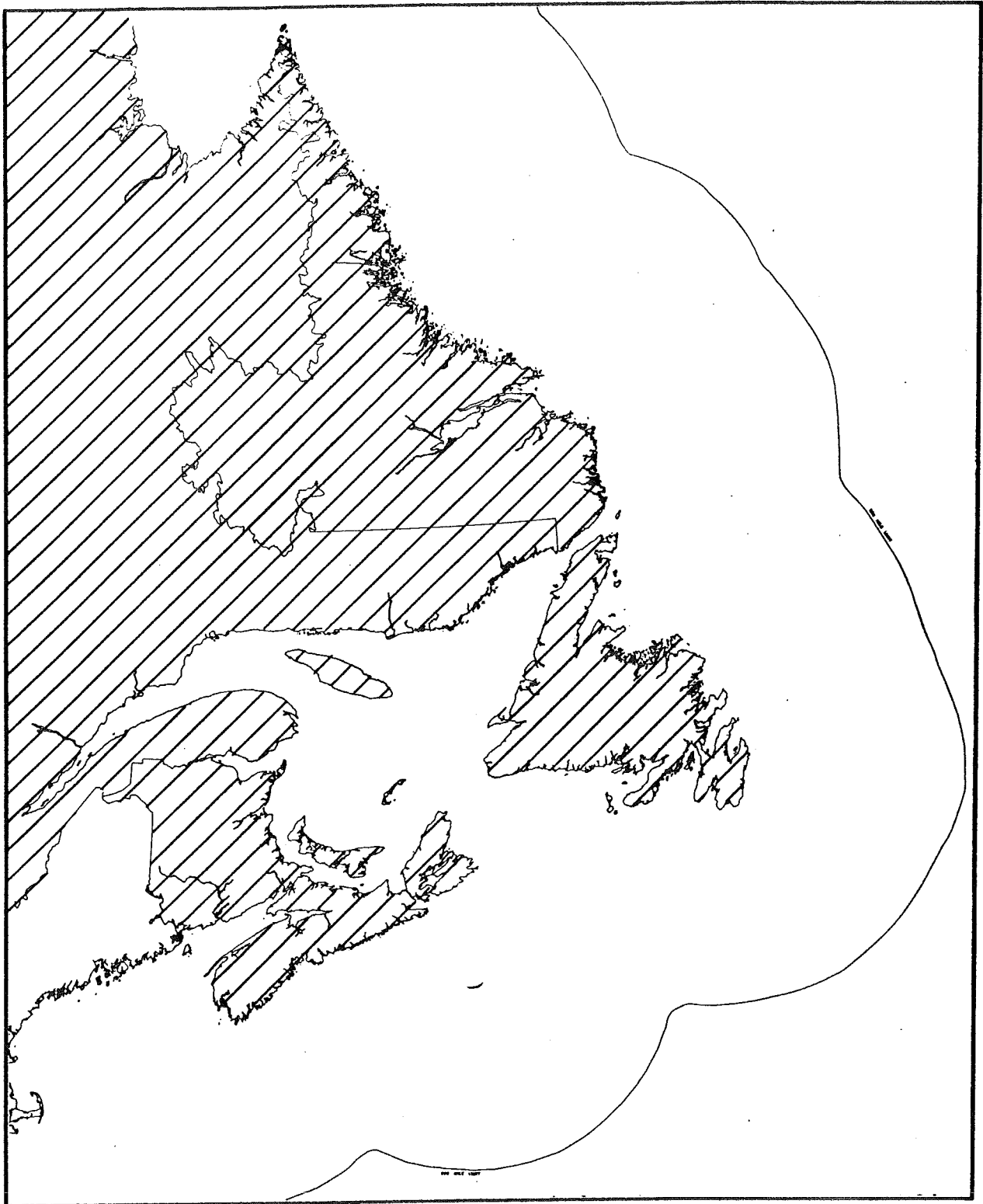


17. Signature: Verified

Date: August 31, 1992

1. **Database Title: Fuel Additives Database**
2. **Contact Person:**
Bernard Madé
Environmental Protection
Environment Canada
Ottawa, Ontario K1A 0H3
Tel (819) 953-1135; Fax (819) 953-8903
3. **Purpose:**
To monitor chemicals added to liquid fuels to provide a basis for air emission regulatory policies (e.g., motor vehicle standards)
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Not applicable
Restrictions: Database mainly contains confidential information
5. **Geographical Coverage/Scale:**
National, all liquid fuel producers and importers in Canada
6. **Geographical Referencing:**
None
7. **Period of Record/Update Frequency:**
1978 to present
Updated as required
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Chemical: Type and quantity of additives, type of fuel, name of refinery, name of importer
10. **Sampling Procedures:**
Data submitted by refineries and importers under Fuel Information Regulations of the Canadian Environmental Protection Act
11. **Program Type:**
Monitoring
12. **Size/Growth:**
400 records
No growth
13. **Environmental Legislation relevant to this data:**
Fuel Information Regulation no. 1 under the Canadian Environmental Protection Act
14. **Computer System:**
Host computer: IBM compatible
Operating system: MS DOS
Software: dBASE III+
15. **Comments:**
Only new additives or substantial changes in previously used additives are required to be reported by producers and importers.

16. Map indicating areas of data holdings:

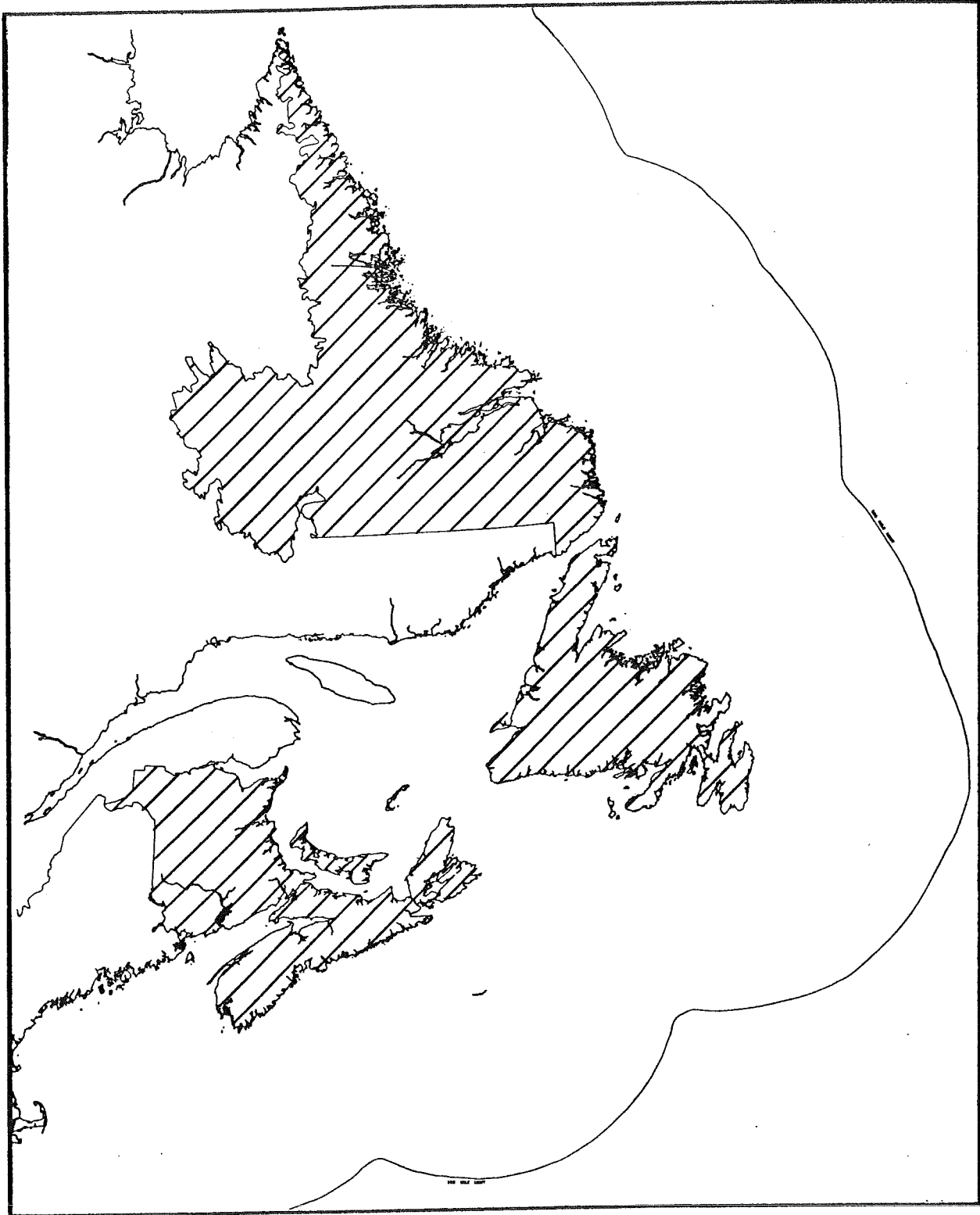


17. Signature: Verified

Date: July 16, 1992

1. **Database Title: Industrial Waste Generators**
2. **Contact Person:**
Maria Dober
Environmental Protection
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-6077
3. **Purpose:**
To identify wastes from industries in the Atlantic Provinces
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - Industrial waste generators
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1987 to present
Not updated for last few years
8. **Format:**
Hard-copy
9. **Data Types/Parameters Measured:**
Chemical: industrial - name and address of industry, waste classifications
10. **Sampling Procedures:**
Information compiled from local industries and Directory of Products and Manufactures (all Provinces)
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Survey covers companies with 5 or more employees. Not all industrial sectors are included. Data used to determine disposal methods and the potential transport of dangerous goods.

16. Map indicating areas of data holdings:

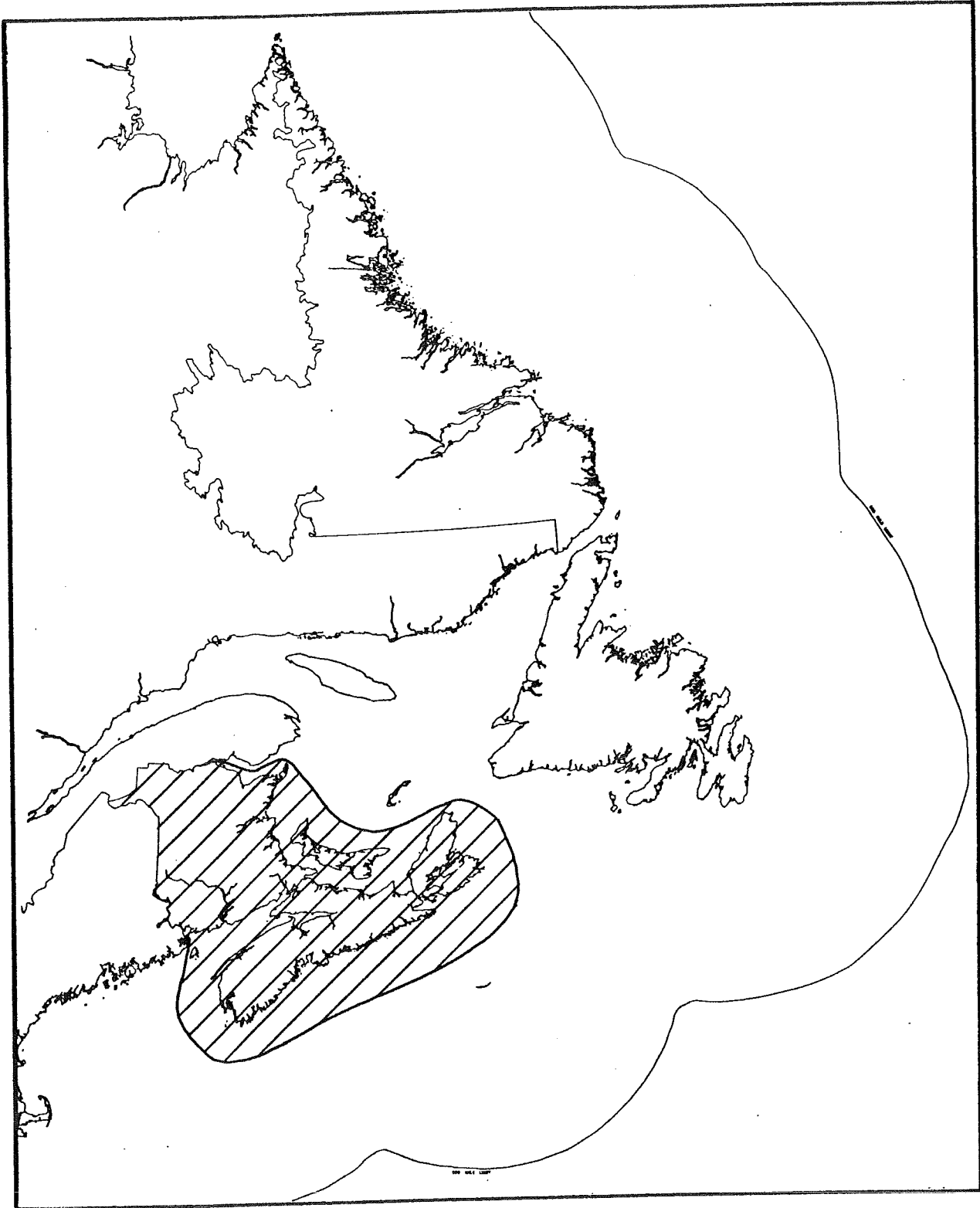


17. Signature: Verified

Date: August 31, 1992

1. **Database Title: Lab Management System**
2. **Contact Person:**
André Gauthier
Environmental Control Branch
Environment Canada
45 Alderney Drive, 15th Floor
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-1855; Fax (902) 426-3574
3. **Purpose:**
Water Quality; to verify compliance with Fisheries Act (sect. 36)
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions:
5. **Geographical Coverage/Scale:**
Nova Scotia, New Brunswick and Prince Edward Island
6. **Geographical Referencing:**
Locator codes only
7. **Period of Record/Update Frequency:**
On-going compilation
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Industrial Discharge Water Quality, receiving water data plus some sediment and biota data.
10. **Sampling Procedures:**
On-site surveys
11. **Program Type:**
Monitoring, surveys and research
12. **Size/Growth:**
Growth of approximately 2000 records per year; data is sent to ATLMON at end of each year.
13. **Environmental Legislation relevant to this data:**
Clean Environment Protection Act
Fisheries Act
14. **Computer System:**
Host computer: DATAPOINT 5000
Operating System: DATASHARE
Software: In-house
15. **Comments:**
System will be replaced by LABSII in 1992/93.

16. Map indicating areas of data holdings:

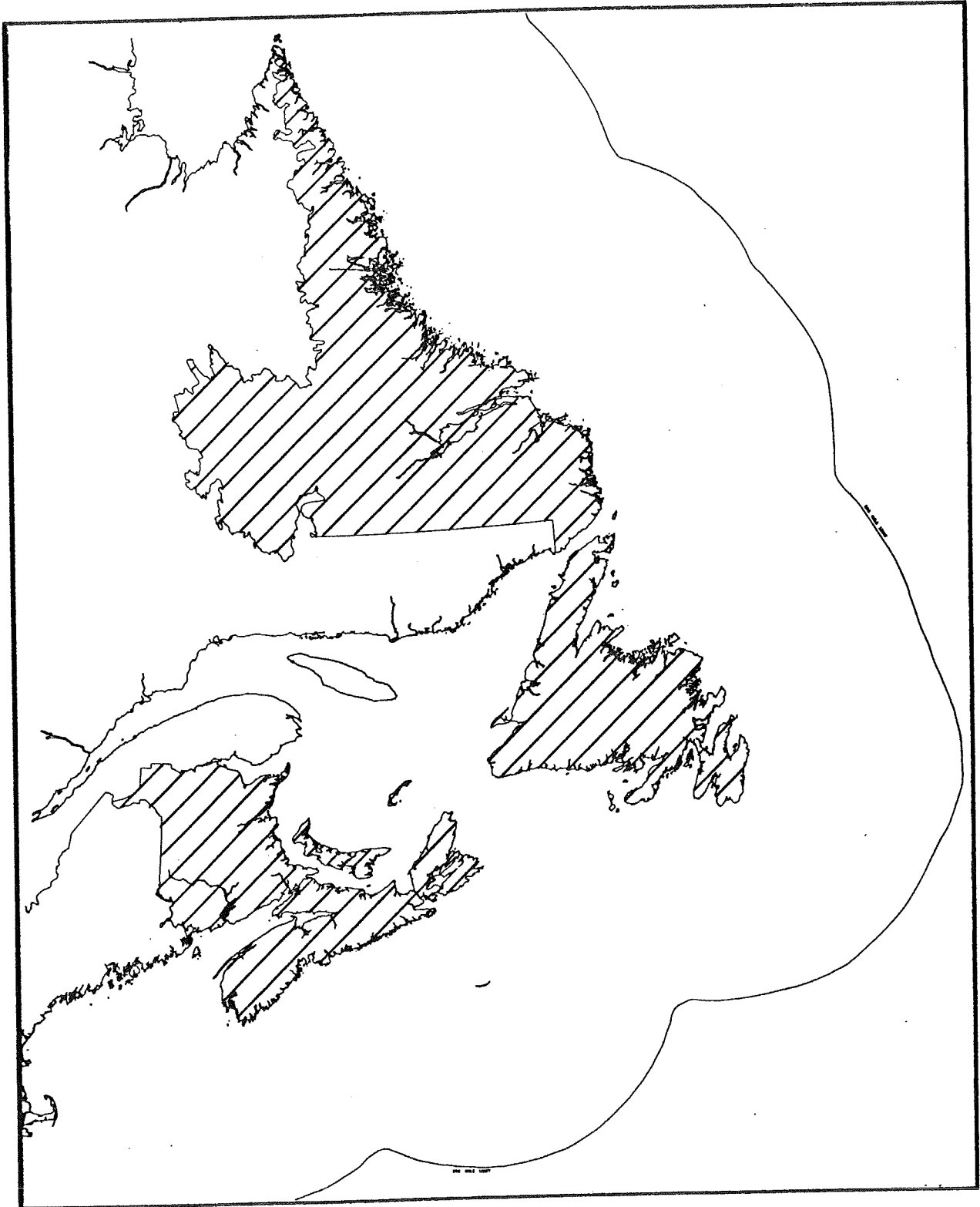


17. Signature: Verified

Date: June 12, 1992

1. **Database Title: Lead In Gasoline**
2. **Contact Person:**
Bill Moores
Environmental Protection
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-2004; Fax (902) 426-3574
3. **Purpose:**
To keep a record of lead concentrations in gasoline from service stations and refineries
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Refinery data may be confidential
5. **Geographical Coverage/Scale:**
Atlantic Provinces
6. **Geographical Referencing:**
None
7. **Period of Record/Update Frequency:**
1976 to 1990
Updated monthly
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Chemical: Lead
10. **Sampling Procedures:**
Samples taken from pumps at retail stations throughout the Region and from tanks at refineries
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
Canadian Environmental Protection Act: Gasoline Regulations
14. **Computer System:**
Host computer: IBM PC compatible
Operating system:
Software: Lotus 123
15. **Comments:**
Only gasoline destined for domestic use is sampled at refineries.

16. Map Indicating areas of data holdings:

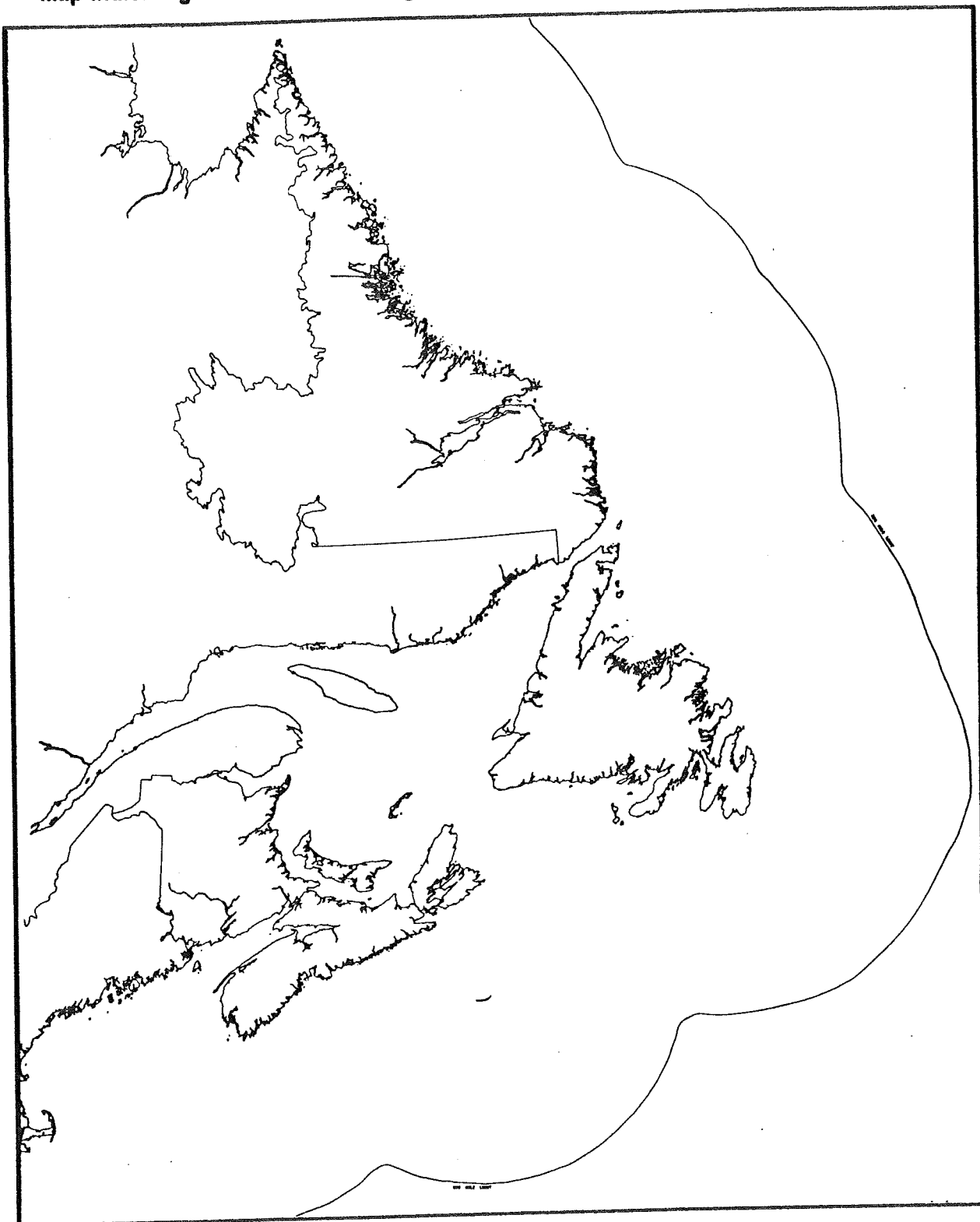


17. Signature: Verified

Date: August 31, 1992

1. **Database Title: NAPS (National Air Pollution Surveillance Network)**
2. **Contact Person:**
Bill Moores
Conservation and Protection
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-2004; Fax (902) 426-3574
3. **Purpose:**
To maintain continuous air quality data from major population centres
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Canada - urban centres throughout Canada
6. **Geographical Referencing:**
Latitude/Longitude; UTM
7. **Period of Record/Update Frequency:**
1974 to present
Updated monthly
8. **Format:**
Digital: Raw data stored on magnetic tape at a commercial computer service bureau
Hard-copy: Available locally
9. **Data Types/Parameters Measured:**
Chemical: Continuous gaseous - sulphur dioxide, carbon monoxide, nitrogen dioxide, ozone and soiling index; total suspended particulates - mass, lead, sulphate and nitrate; inhalable particulate - coarse, fine fraction mass, sulphate, nitrate, lead and 40 additional elements
10. **Sampling Procedures:**
Continuous automatic samplers, except for manual sampling for total suspended particulates, lead, sulphate and nitrate
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Major Environment Canada air quality monitoring program

16. Map indicating areas of data holdings:

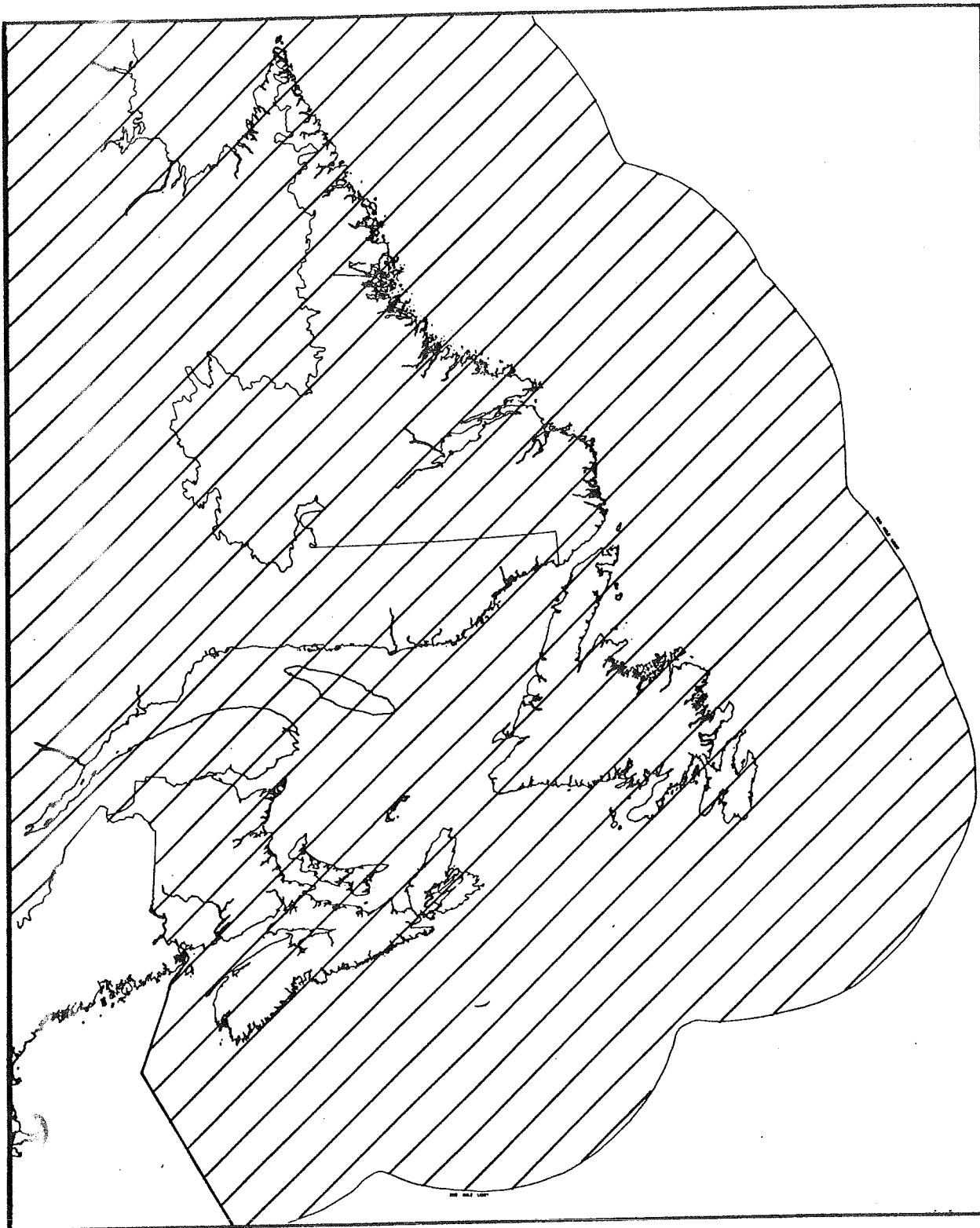


17. Signature: Verified

Date: August 31, 1992

1. **Database Title: National Analysis of Trends In Emergencies Systems (NATES)**
2. **Contact Person:**
Roger Percy
Environmental Protection
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-2576
or
Gilles Cloutier
Environmental Protection
Environment Canada
Ottawa, Ontario K1A 0H3
Tel (819) 997-3744
3. **Purpose:**
To summarize number and type of spills of oil and hazardous materials across Canada
4. **Access/Fees/Restrictions:**
Access: Through contact persons
Fees: Cost recovery fee may be charged
Restrictions: Names of industries or individuals responsible for causing the spill are confidential
5. **Geographical Coverage/Scale:**
Canada - oil and hazardous material spills
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1974 to present; updated continuously
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Chemical: Size of spill reports logged by Environment Canada Regions
10. **Sampling Procedures:**
Data taken from spill reports logged by Environment Canada Regions
11. **Program Type:**
Monitoring
12. **Size/Growth:**
50,000 records
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system:
Software: Oracle-based
5. **Comments:**
Data also used to identify problem areas and changing trends in spill occurrence. Database includes "significant events" - all hazardous material spills, and all spills of oil greater than 1600 litres.

16. Map indicating areas of data holdings:

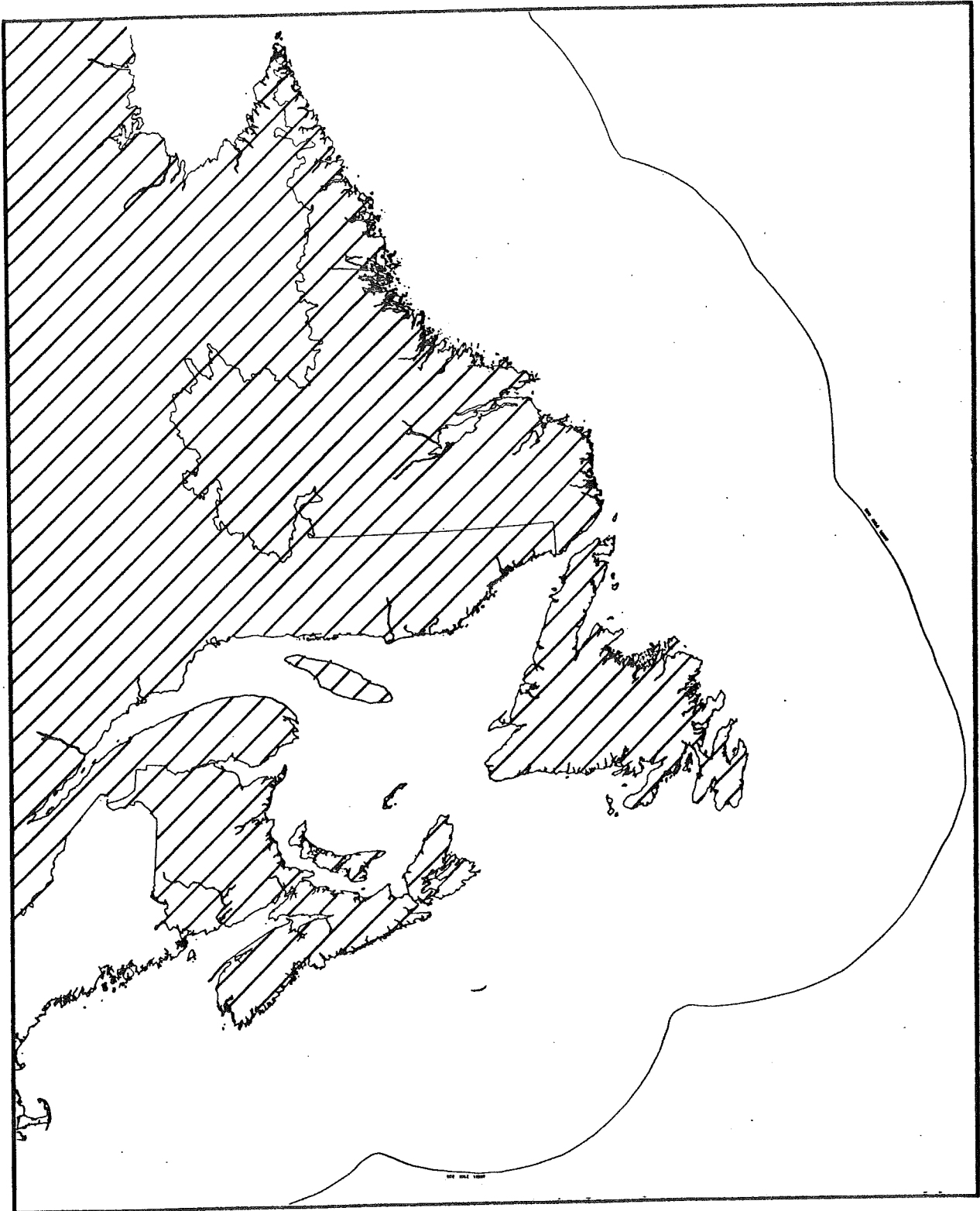


17. Signature: Verified

Date: June 25, 1992

1. **Database Title: National Packaging Monitoring System**
2. **Contact Person:**
Bob Squires
Office of Waste Management
Environment Canada
Asticou Centre, Room 335
241 Cité des Jeunes
Hull, Québec K1A 0H3
Tel (819) 953-1110; Fax (819) 953-6881
3. **Purpose:**
To track use, reuse, recycling and disposal of packaging materials in Canada during the years 1988-2000 by industry sector
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions:
5. **Geographical Coverage/Scale:**
Canada
6. **Geographical Referencing:**
By Province
7. **Period of Record/Update Frequency:**
1988 to 1990
Updated every two years
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Weight of packaging: used, reused, recycled, disposed - by packaging material, Province and industry cluster
10. **Sampling Procedures:**
On-site surveys, mail-out questionnaire, and extrapolation of survey results to entire population
11. **Program Type:**
Monitoring
12. **Size/Growth:**
24,000 to 26,000 records generated from 5000-6000 respondents to a national packaging survey
Similar amount of data to be collected every two years
13. **Environmental Legislation relevant to this data:**
Federal and provincial legislation proposed
14. **Computer System:**
Host computer: IBM PC
Operating System: MS DOS
Software: Oracle
15. **Comments:**

16. Map Indicating areas of data holdings:

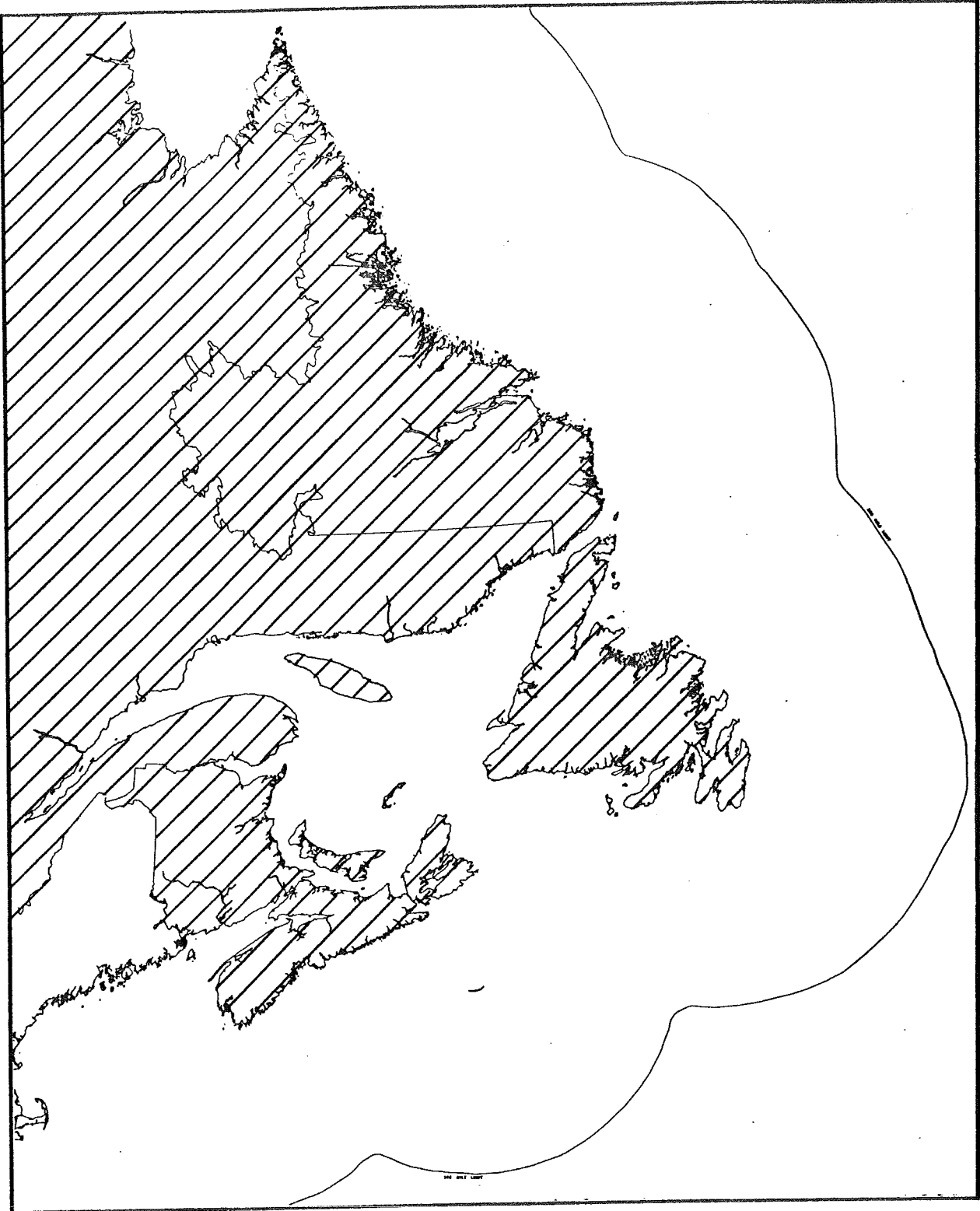


17. Signature: Verified

Date: June 25, 1992

1. **Database Title: NIMWWS (National Inventory of Municipal Waterworks and Wastewater Systems) - MUNDAT**
2. **Contact Person:**
Dave Hay
Environmental Protection
Environment Canada
Ottawa, Ontario K1A 0H3
Tel (613) 953-1109
3. **Purpose:**
To provide an inventory of municipal waste and wastewater facilities
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: A fee may be charged
Restrictions: Performance data is restricted
5. **Geographical Coverage/Scale:**
Canada - including water and wastewater facilities in the Atlantic Provinces
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1975 to present
Updated annually
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Suspended solids, flow
Chemical: BOD, nutrients
Socio-economic: Population served
10. **Sampling Procedures:**
Grab and composite samples, socio-economic data
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: CDC CYBER mainframe
Operating system:
Software:
15. **Comments:**
Database not up-to-date

16. Map indicating areas of data holdings:

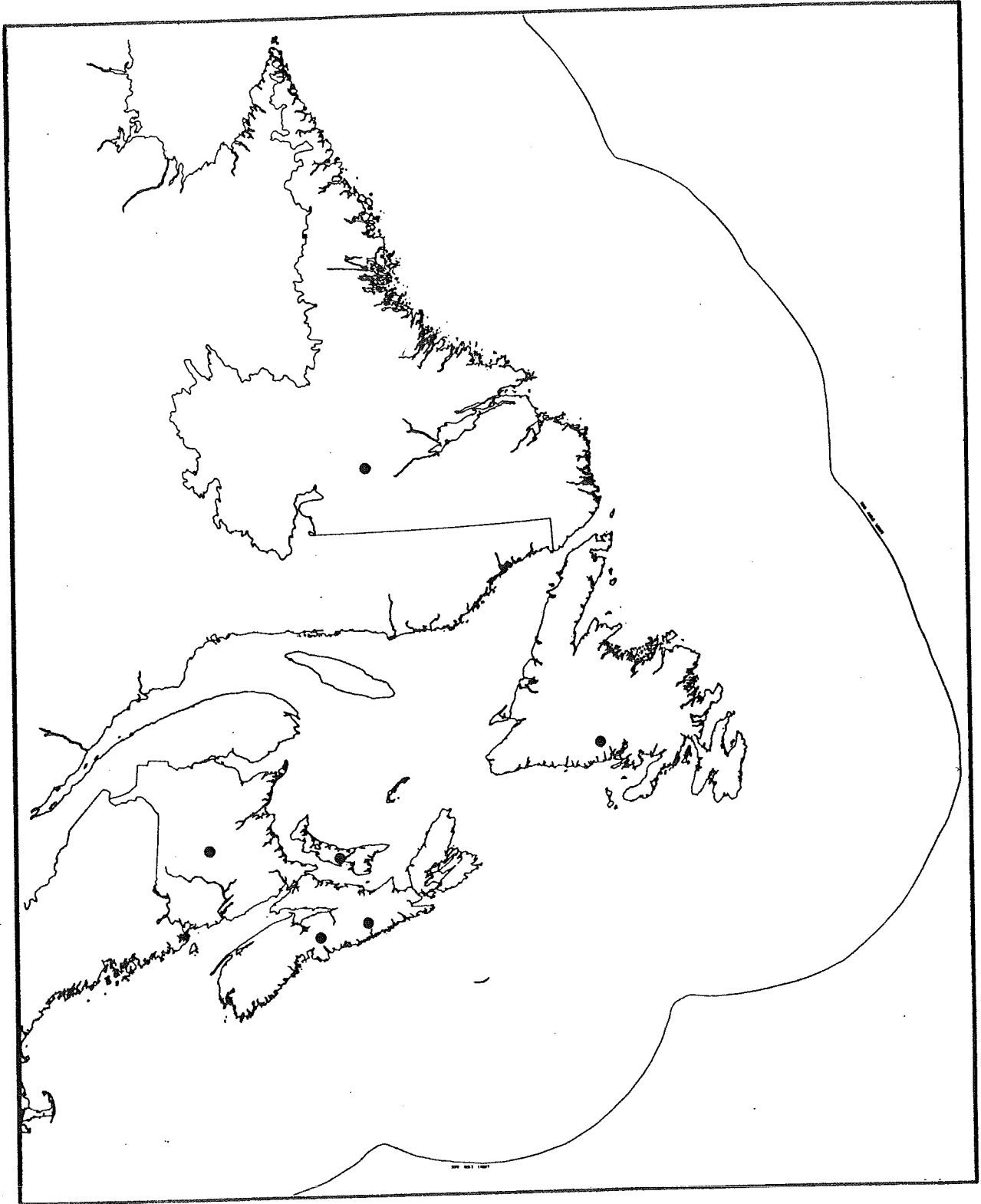


17. Signature: Unverified

Date:

1. **Database Title: Non-Hazardous Solid Waste Incinerators at Federal Establishments in the Atlantic Provinces**
2. **Contact Person:**
G. Ternan or Meena Forsythe
Environmental Protection
Environment Canada
Queen Square, 15th Floor
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-1631; Fax (902) 426-3574
3. **Purpose:**
To provide an inventory of non-hazardous solid waste incinerators at federal establishments in Atlantic Canada
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Canada - non-hazardous solid waste incinerators at federal establishments
6. **Geographical Referencing:**
None
7. **Period of Record/Update Frequency:**
1992
Ad hoc update frequency
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical: Size, location, operator
10. **Sampling Procedures:**
Information gathered from incinerator operators, files, etc.
11. **Program Type:**
Inventory
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
1991 Draft Regulations for Non-Hazardous Solid Waste Incinerator
14. **Computer System:**
Host computer: IBM compatible
Operating system: MS DOS
Software: Lotus 123
15. **Comments:**
Initial work in support of development of non-hazardous solid waste incinerator regulations under Canadian Environmental Protection Act IV.

16. Map indicating areas of data holdings:

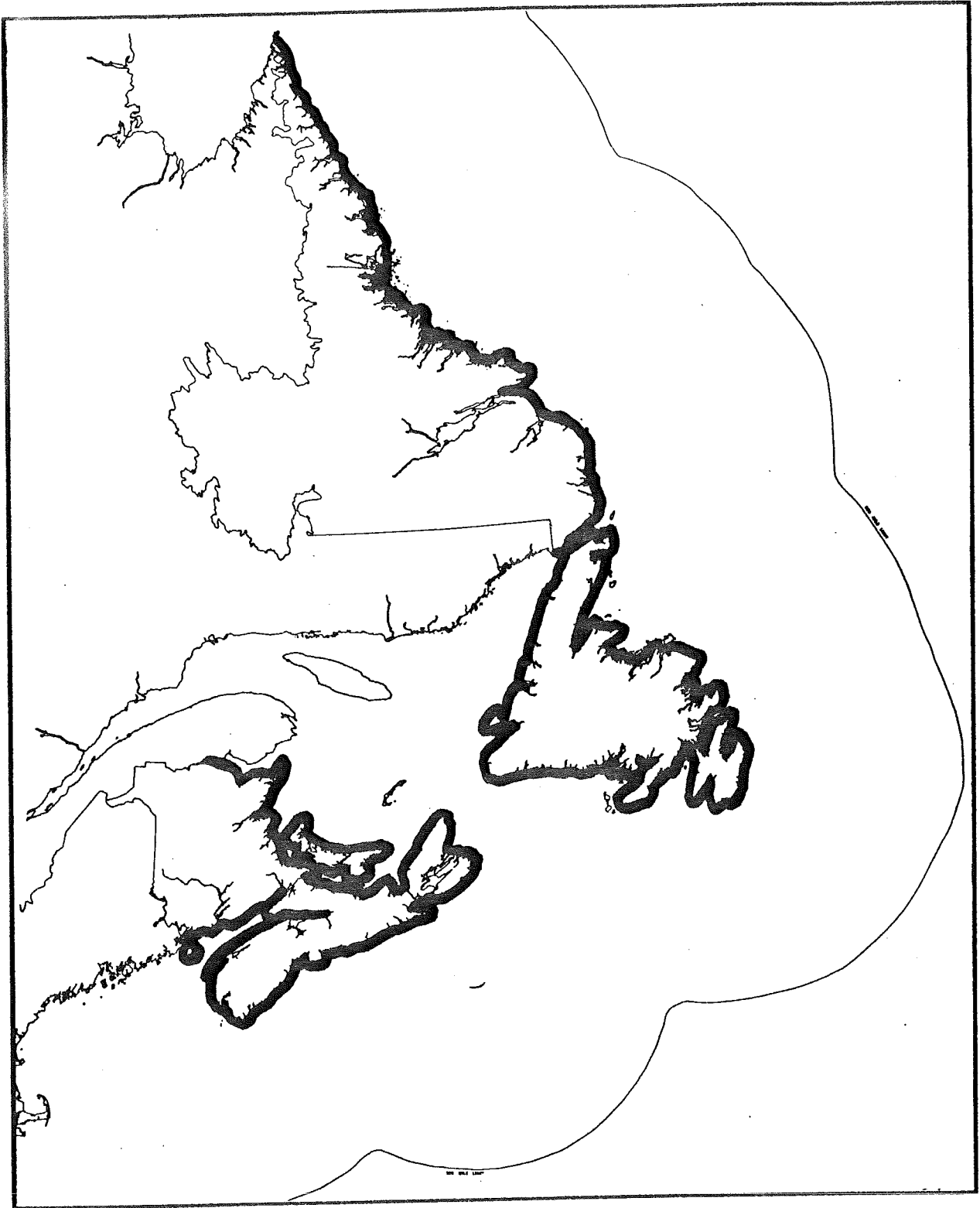


17. Signature: Verified

Date: June 23, 1992

1. **Database Title: Oceanbase**
2. **Contact Person:**
K.L. Tay or Adrian MacDonald
Conservation and Protection
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-8305; Fax (902) 426-3897
3. **Purpose:**
To maintain data in support of the Ocean Dumping Permit and Review System
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: None; Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - ocean dumping for harbours and dumping sites throughout the Region
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
1986 to present; ongoing compilation
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical: Sediment grain size; Chemical: Carbon, oil and grease, cadmium, mercury, lead, zinc, copper, PCB, DDT, PAH in sediments; Socio-economic: Locations of dredging and dumping operations, quantity of materials dumped; Record: Status of Ocean Dumping Permit Applications and dumping operations
10. **Sampling Procedures:**
Sediment core and grab samples analyzed by private labs according to approved methods
11. **Program Type:**
Monitoring and survey
12. **Size/Growth:**
Contains data relating to approximately 120 ocean dumping permit applications per year; 892 permit records on file
13. **Environmental Legislation relevant to this data:**
Canadian Environmental Protection Act, Part VI Ocean Dumping Regulations (1988)
14. **Computer System:**
Host computer: DEC Decstation 325c; Operating system: MS DOS 5.0; Software: Paradox 3.5
15. **Comments:**
Quality control program and routine analysis of reference and blind samples ensures high quality data. System can perform variety of data retrievals; has some capabilities for graphics and statistical analysis. Good data set on contaminant concentrations in sediments from harbours throughout Atlantic Canada. Other parameters including sodium, chloride and arsenic may be analyzed for unusual dumping operations.

16. Map indicating areas of data holdings:

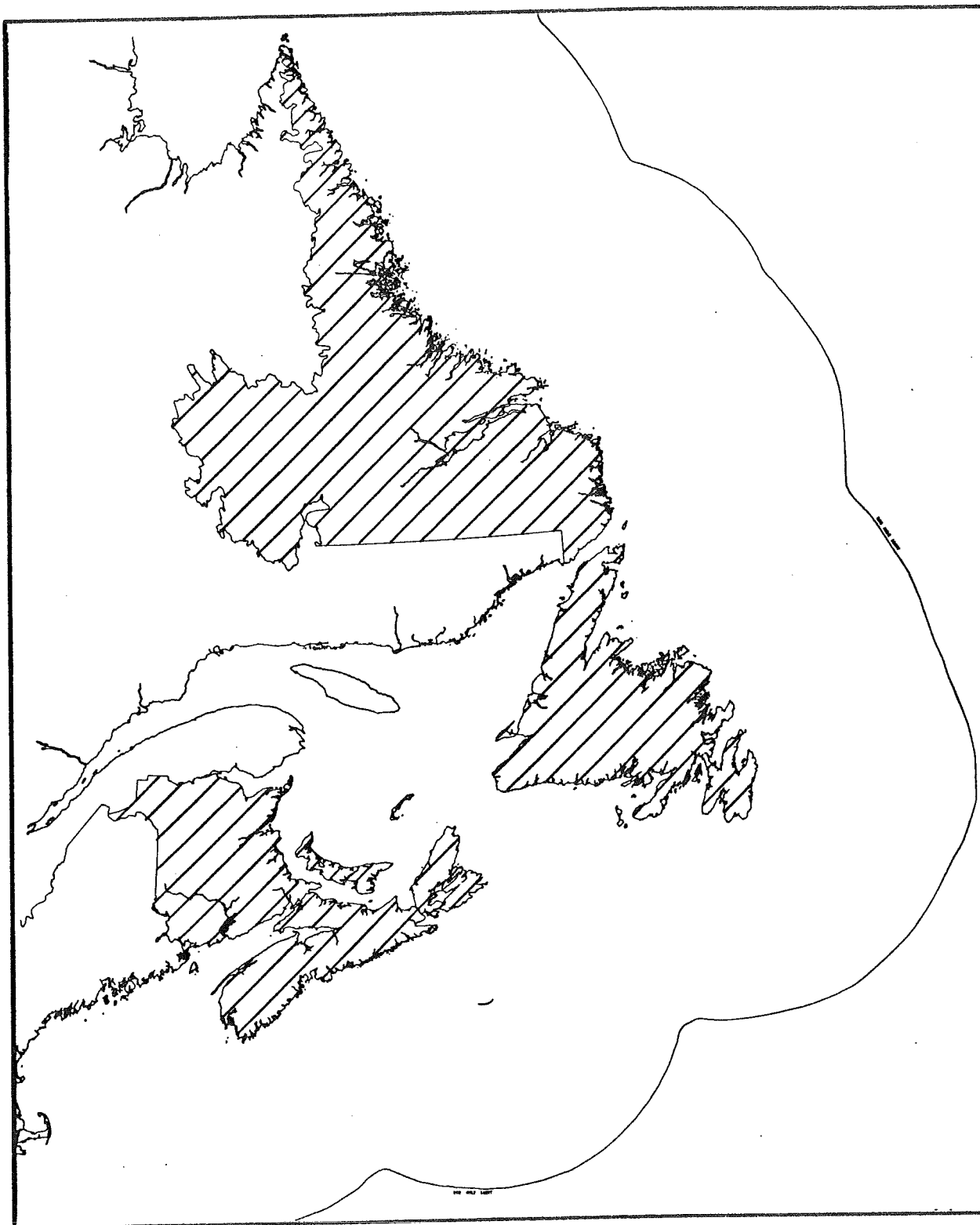


17. Signature: Verified

Date: June 25, 1992

1. **Database Title: PCB Inventory System**
2. **Contact Person:**
D. Quigley
J. Clarke
Environmental Protection
Environment Canada
45 Alderney Drive
Queen Square
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-5048
3. **Purpose:**
To maintain an inventory of PCB equipment
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: No charge
Restrictions: Data is confidential, although summaries from the data may be released; data on in-use and stored-for-use equipment is confidential; data on PCBs in storage for disposal is publicly available
5. **Geographical Coverage/Scale:**
Atlantic Region
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1985 to present
Updated monthly
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical: Inventory of transformers and capacitors and other equipment which contain PCB, their location, volume of PCB liquid, manufacturer's specifications
10. **Sampling Procedures:**
Data compiled from site inspections and information provided by industrial, commercial and institutional establishments and government departments
11. **Program Type:**
Compliance, monitoring program
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system:
Software: ZIM
15. **Comments:**
User-friendly system.
Data helpful in hazardous waste management and spill response.

16. Map indicating areas of data holdings:

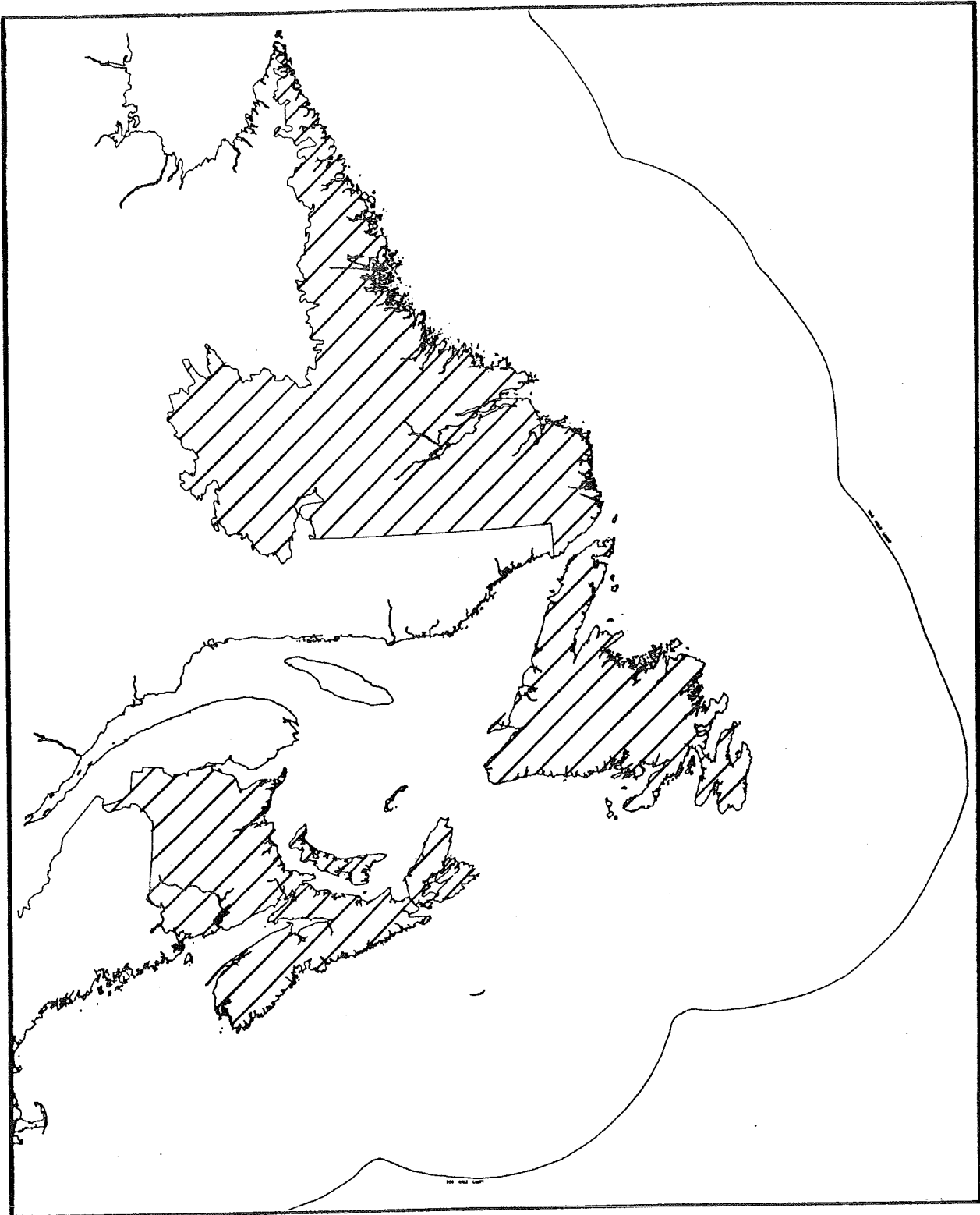


17. Signature: Unverified

Date:

1. **Database Title: Regional Inventory of Pollution Sources (RIPS)**
2. **Contact Person:**
André Gauthier
Environmental Control Branch
Environment Canada
45 Alderney Drive, 15th Floor
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-1855; Fax (902) 426-3574
3. **Purpose:**
Environmental Protection
Lists of Sites to Monitor
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions:
5. **Geographical Coverage/Scale:**
Atlantic Provinces
6. **Geographical Referencing:**
Latitude/Longitude; UTM
7. **Period of Record/Update Frequency:**
On-going compilation
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Inventory of Pollution Sources; location of industry, contact person, head office, process information, wastewater characteristics
10. **Sampling Procedures:**
Data gathered by Environment Canada staff from local industries
11. **Program Type:**
Survey
12. **Size/Growth:**
Approximately 1000 records
13. **Environmental Legislation relevant to this data:**
Fisheries Act
14. **Computer System:**
Host computer: DATAPOINT 5000
Operating system: DATASHARE
Software: In-house
15. **Comments:**
This system will go off-line when Datapoint at the Bedford Institute of Oceanography is replaced.

16. Map indicating areas of data holdings:

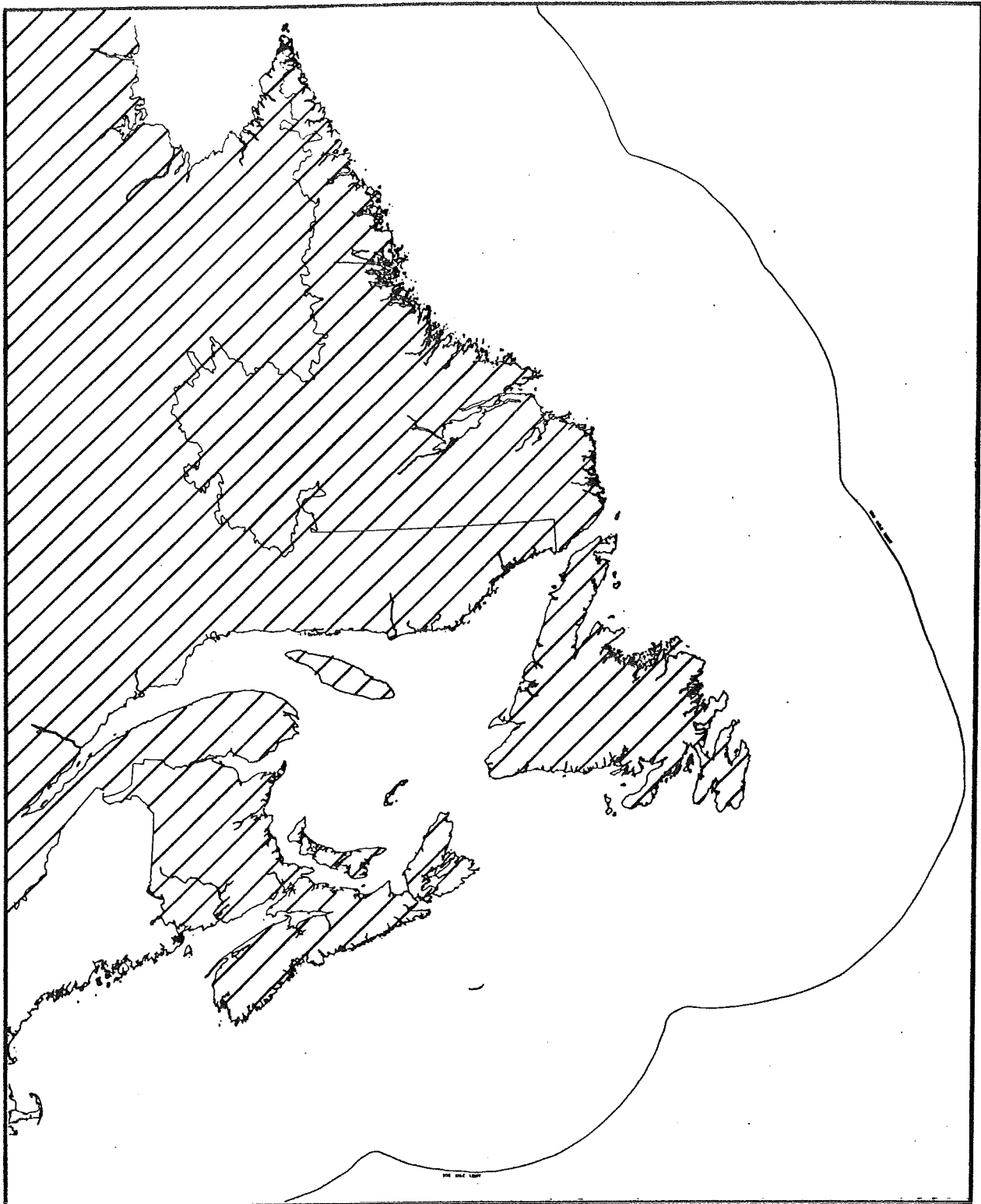


17. Signature: Verified

Date: June 12, 1992

1. **Database Title: Residual Discharge Inventory System (RDIS)**
2. **Contact Person:**
Tony Kosteltz or Marc Deslaurier
Environmental Protection
Environment Canada
Ottawa, Ontario K1A 0H3
Tel (819) 953-1654
3. **Purpose:**
To monitor emission rates of air contaminants for atmospheric modelling and policy making
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Some plant specific data may be restricted
5. **Geographical Coverage/Scale:**
National, grid coverage of all provinces and territories
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1985 to present
Updated every 5 years with annual revisions
8. **Format:**
9. **Data Types/Parameters Measured:**
Chemical: Sulphur dioxide, nitrogen oxides, carbon monoxide, total hydrocarbons, particulate matter, reactive volatile organic compounds, ammonia
10. **Sampling Procedures:**
Data calculated based on plant permit data (provincial), transportation and fuel consumption data from Statistics Canada, production data from other sources, actual stack monitoring, and published emission rates
11. **Program Type:**
Monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system:
Software: dBASE IV
15. **Comments:**
This database provides the raw data that is summarized in the Compendium (Comp) database; air toxics were added in 1991.

16. Map Indicating areas of data holdings:

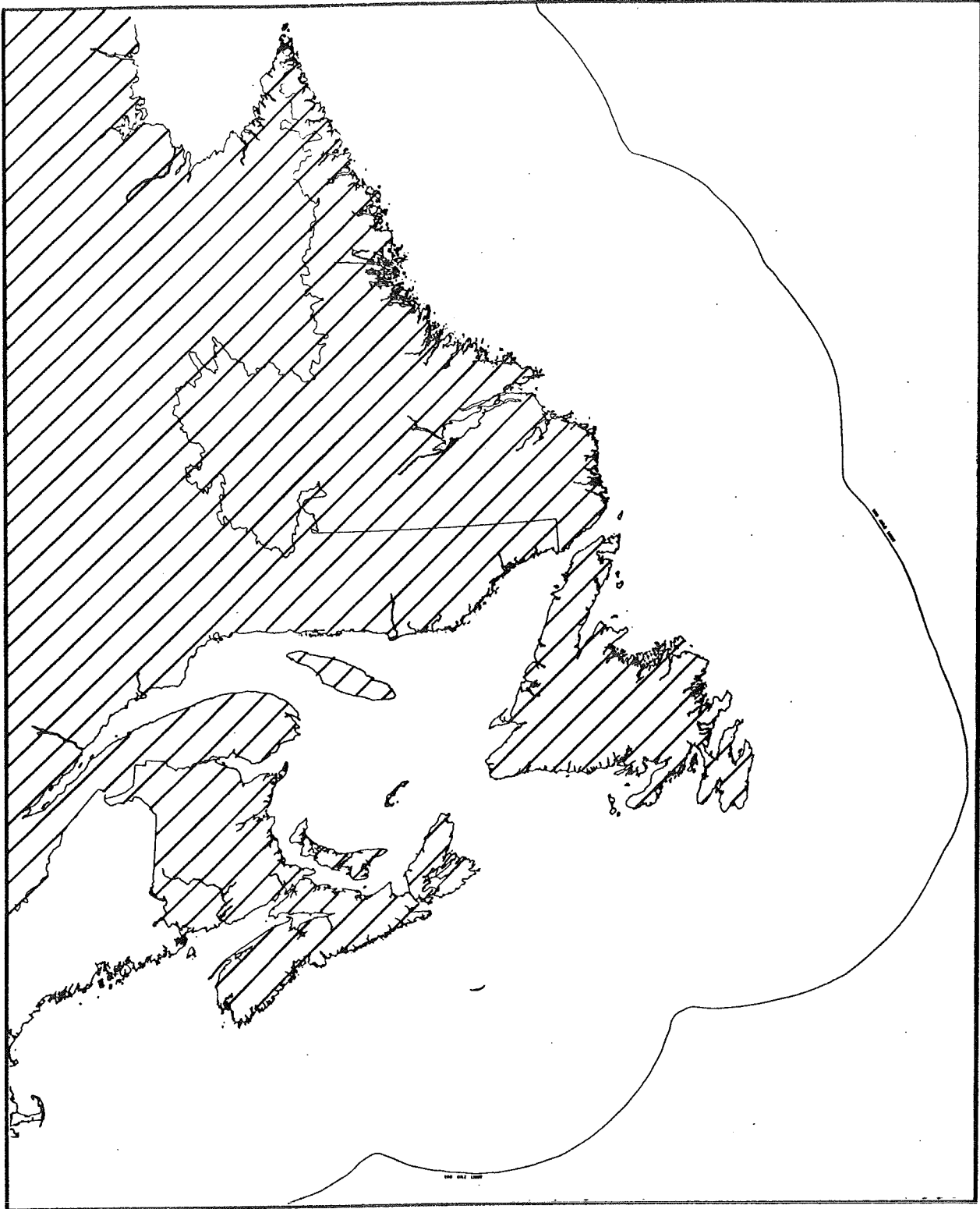


17. Signature: Unverified

Date:

1. **Database Title: Sulphur Content in Liquid Fuels**
2. **Contact Person:**
Bernard Madé or Marc Deslauriers
Environmental Protection
Environment Canada
Ottawa, Ontario K1A 0H3
Tel (819) 953-1135 or (819) 994-3069
Fax (819) 953-8903 or (819) 953-9542
3. **Purpose:**
To collect information on sulphur content of liquid fuels in order to estimate emissions from fuel consumption
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: The amount of fuel produced or imported by individual companies is confidential
5. **Geographical Coverage/Scale:**
National - all provinces and territories
6. **Geographical Referencing:**
None
7. **Period of Record/Update Frequency:**
1978 to present
Updated annually
8. **Format:**
Digital
Hard-copy: Reports available on request
9. **Data Types/Parameters Measured:**
Chemical: Sulphur concentrations in liquid fuels
10. **Sampling Procedures:**
Reported annually by fuel producers or importers under the Fuel Information Regulations of the Canadian Environmental Protection Act
11. **Program Type:**
Monitoring
12. **Size/Growth:**
2000 records
7% annual growth
13. **Environmental Legislation relevant to this data:**
Fuel Information Regulation no. 1 under the Canadian Environmental Protection Act
14. **Computer System:**
Host computer: IBM compatible
Operating system: MS DOS
Software: dBASE IV
15. **Comments:**

16. Map indicating areas of data holdings:

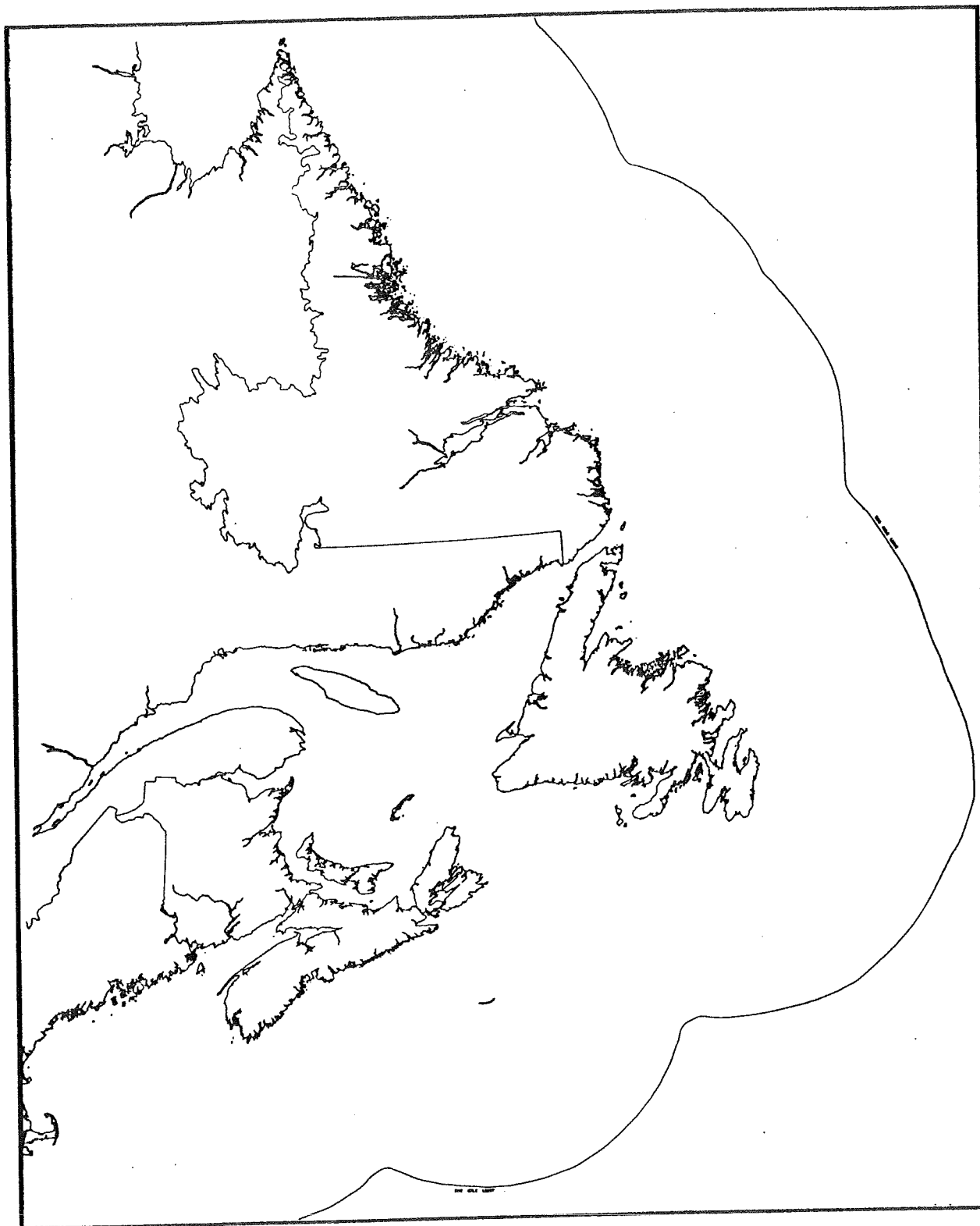


17. Signature: Verified

Date: July 16, 1992

1. **Database Title: Trends**
2. **Contact Person:**
S. Dewis
Environmental Protection
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-6318
3. **Purpose:**
To identify trends in spills and to develop prevention programs to address problem areas
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - Oil and hazardous material spills throughout the region.
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1985 to present in digital format; 1974 to present in hard-copy format
Updated annually
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Chemical: Substances type, quantity, location of spill, cause, source of the spill, environmental effects
10. **Sampling Procedures:**
Data consists of spill reports logged by the Environmental Emergencies Division, Environment Canada, Atlantic Region
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system:
Software: Lotus123
15. **Comments:**
Database used to produce a hard-copy report series. Detailed inventory of all spills of oil or hazardous materials reported in the Atlantic Provinces.

16. Map Indicating areas of data holdings:

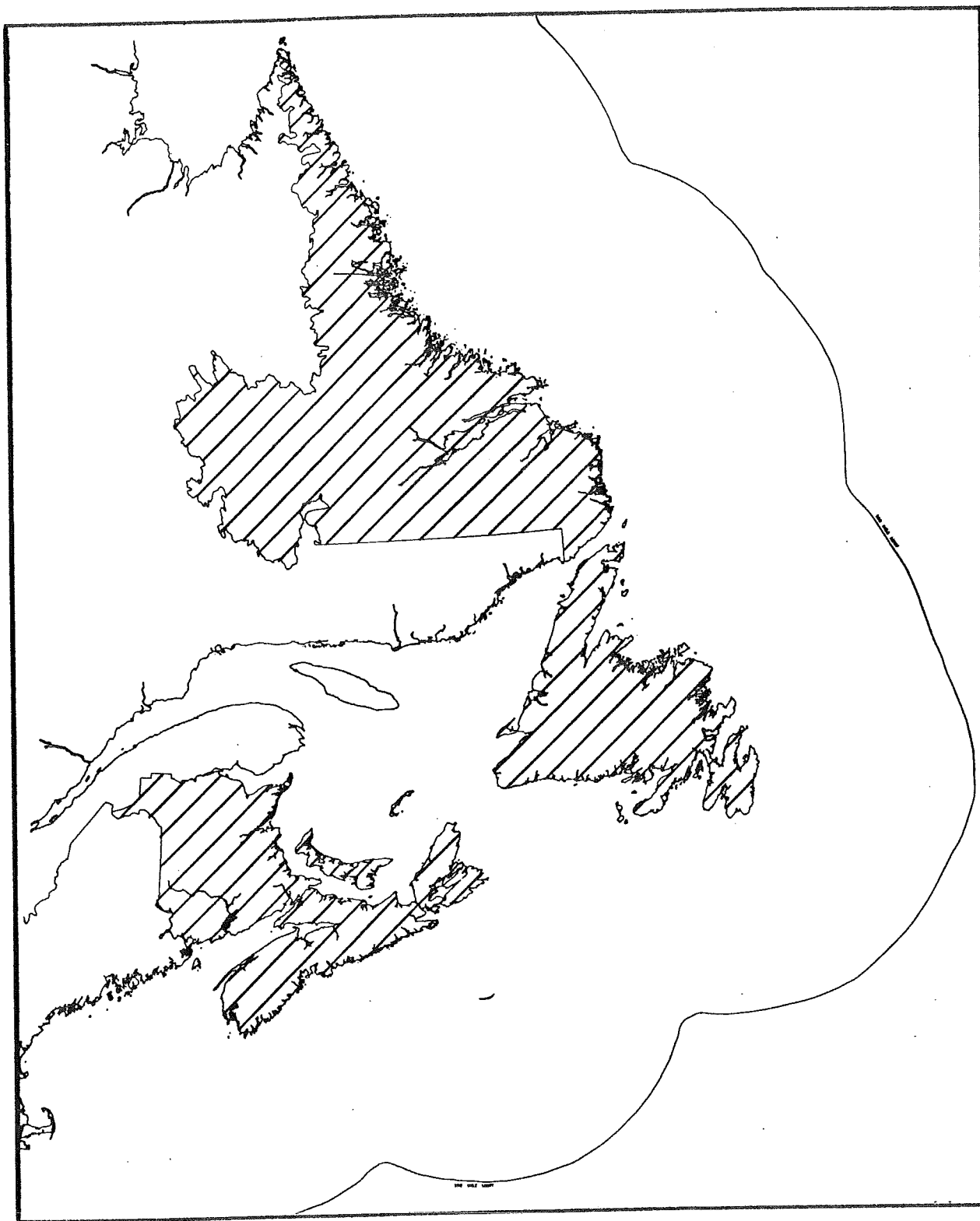


17. Signature: Verified

Date: June 16, 1992

1. **Database Title: Ambient**
2. **Contact Person:**
Tom Pollock
Water Resources Directorate
Environment Canada
310 Baig Boulevard
Moncton, New Brunswick E1E 1E1
Tel (506) 851-6606; Fax (506) 851-6608
3. **Purpose:**
To maintain an inventory of ambient water quality data in Atlantic Region (represents numerous programs)
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Region - surface and ground water
6. **Geographical Referencing:**
Latitude/Longitude of sampling points
7. **Period of Record/Update Frequency:**
1965 to present
Variable update frequency, but frequently
8. **Format:**
Digital: ASCII or binary on Magnetic tape, diskette
Hard-copy
9. **Data Types/Parameters Measured:**
Physical and chemical: Major ions, nutrient and metals
10. **Sampling Procedures:**
Grab samples
11. **Program Type:**
Monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX 750
Operating system:
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

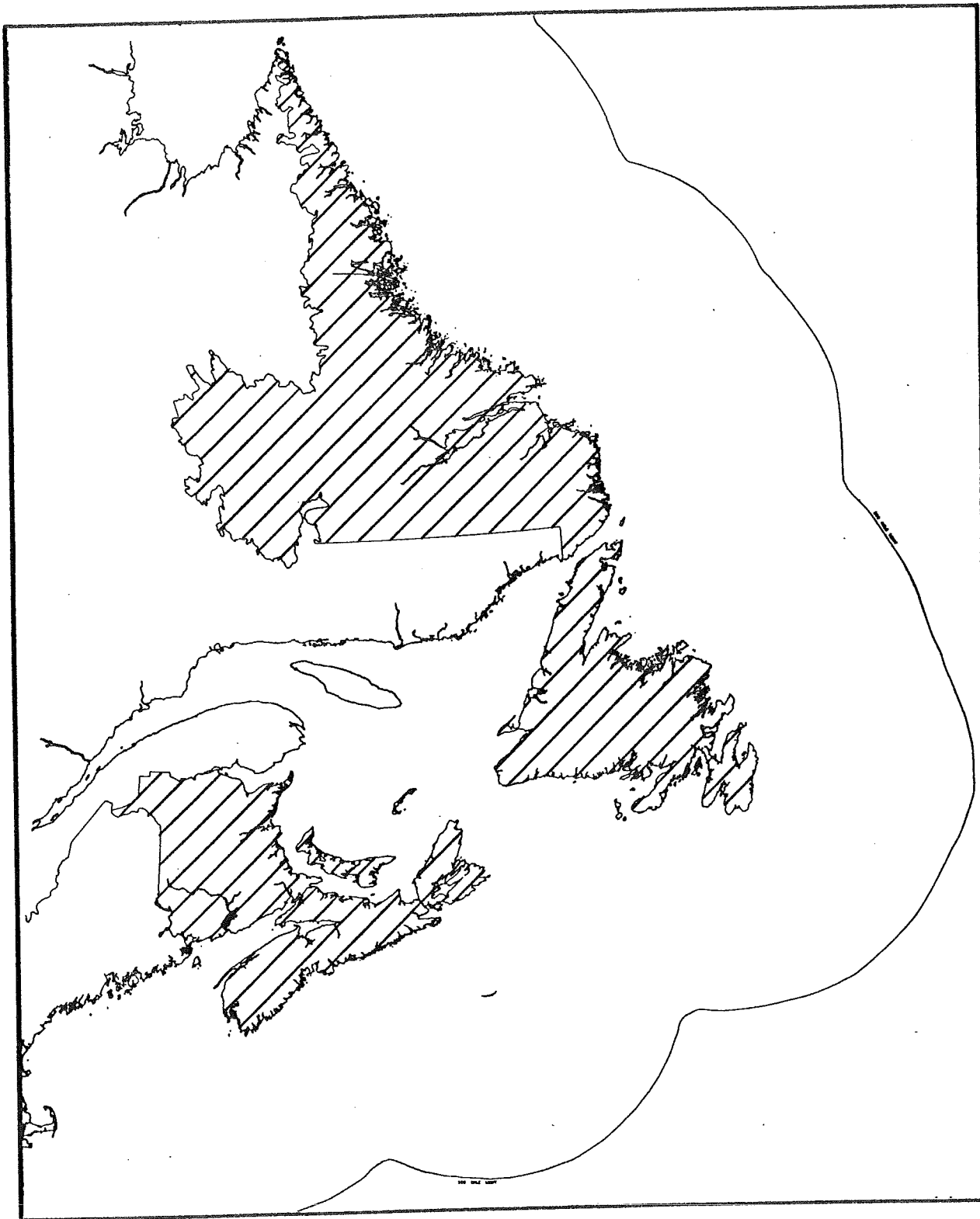


17. Signature: Verified

Date: June 15, 1992

1. **Database Title: Base Flow Index**
2. **Contact Person:**
Tom Humes
Water Resources Directorate
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-1701; Fax (902) 426-4457
3. **Purpose:**
To compile parameters to depict low flows
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - Groundwater proportion of surface runoff throughout the region
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
One number for each drainage basin
Updated rarely
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Parameter to depict low flow - groundwater contribution to total surface runoff
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PDP 11/44
Operating system:
Software: Fortran
15. **Comments:**

16. Map indicating areas of data holdings:



17. Signature: Verified

Date: August 31, 1992

1. **Database Title: Ecological Land Survey (ELS)**
 - Ecological Land Classification
 - Ecoclimatic Regions of Canada
 - Land Activity for Canada (based on ecologic boundaries)
 - Land Cover for Canada
 - Parks Canada - ecological land classification
 - National Overview of Acid Precipitation Impinged Lands (in Canada)
2. **Contact Person:**

Dave Wilson
Environment Canada
Water Resources Directorate
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-4197
3. **Purpose:**

To facilitate environmental assessments and resource management decisions.
4. **Access/Fees/Restrictions:**

Access: Through contact person; Fee: A nominal fee may be charged; Restrictions: None
5. **Geographical Coverage/Scale:**

Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**

1975 to present
Variable update frequency; added to as opposed to fixed updated period
8. **Format:**

Digital and Hard-copy
9. **Data Types/Parameters Measured:**

Physical: Geology, geomorphology
Biological: Plant and wildlife distribution (partial)
10. **Sampling Procedures:**

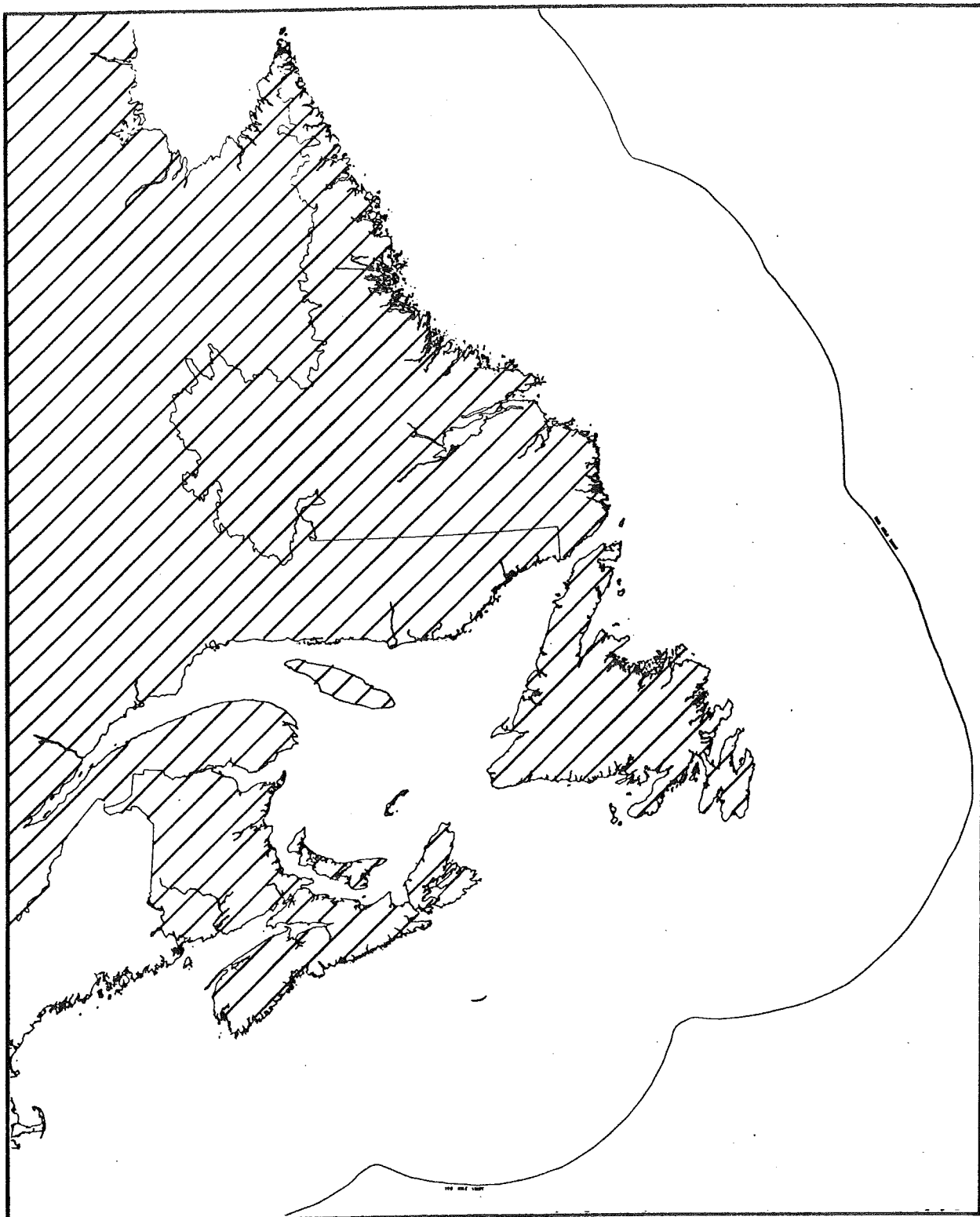
Satellite imagery, air photo interpretation and ground truthing
11. **Program Type:**

Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**

Host computer:
Operating system:
Software:
15. **Comments:**

Confidence in data is good. Data is presented in varying levels of detail; data is received from several sources outside of CWS including the Canadian Parks Service and the Government of Newfoundland and Labrador. Downloading to PC format micro-computer systems possible.

16. Map indicating areas of data holdings:

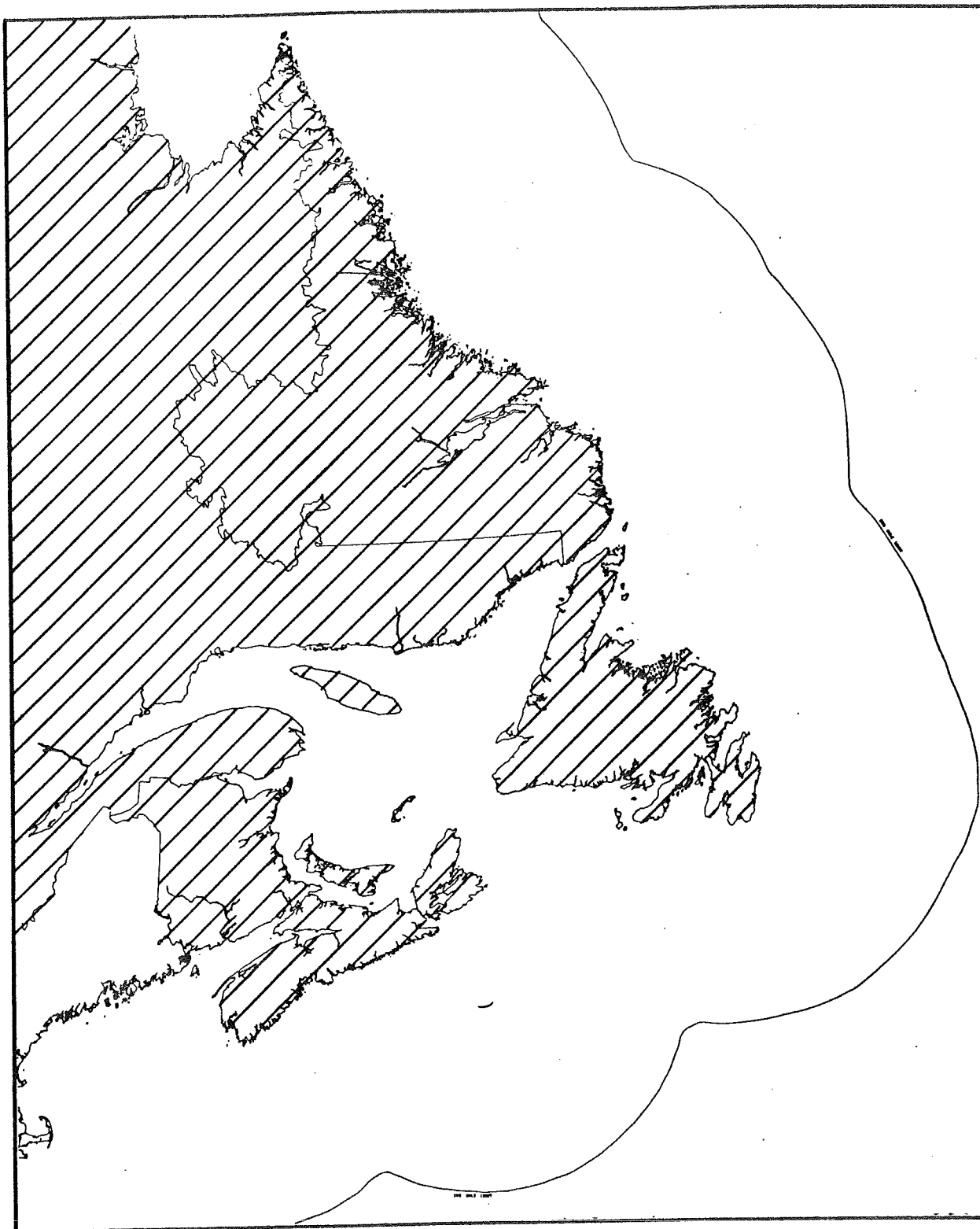


17. Signature: Unverified

Date:

1. **Database Title: Environmental Information Systems, formerly Canada Land Data Systems (CLDS) (Includes CLUMP, CLI and TBACFLM) - Census Boundaries 1971 and 1976, Shoreline/Hydrography, Watersheds, Land Use Monitoring, Canada Land Inventory**
2. **Contact Person:**
Dave Wilson
Water Resources Directorate
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-4197
3. **Purpose:**
To provide baseline land use data for land use planning
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fee: A fee may be charged to cover on-line costs; Restrictions: None
5. **Geographical Coverage/Scale:**
Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1960 to present; variable update frequency, according to location and data set
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Land use changes; Biological: water resources, soil quality, moisture levels, land capability for agriculture; forestry, ungulates, waterfowl, freshwaters for sport fish and recreation
10. **Sampling Procedures:**
Air photos, satellite images of surveys, statistical reports, hydrometric stations
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
15. **Comments:**
Compendium of several data bases on land use, watersheds and urban sprawl. Information mapped at 1:50,000 scale. Main users of info are public, researchers and industry. Data can be downloaded to PC format micros. CLDS contains following data bases:
CLI - historical info ('60) on land use and land capability; includes drainage basin information and administrative boundaries
CLUMP - land use changes in and around urban and prime resource areas such as the Tantramar Marsh and the Atlantic Region. Data originates from air photo interpretation and is updated to 1986.
TBACFLM - land use info for lands owned by the Federal Government; up-to-date inventory begun in 1980.

16. Map indicating areas of data holdings:

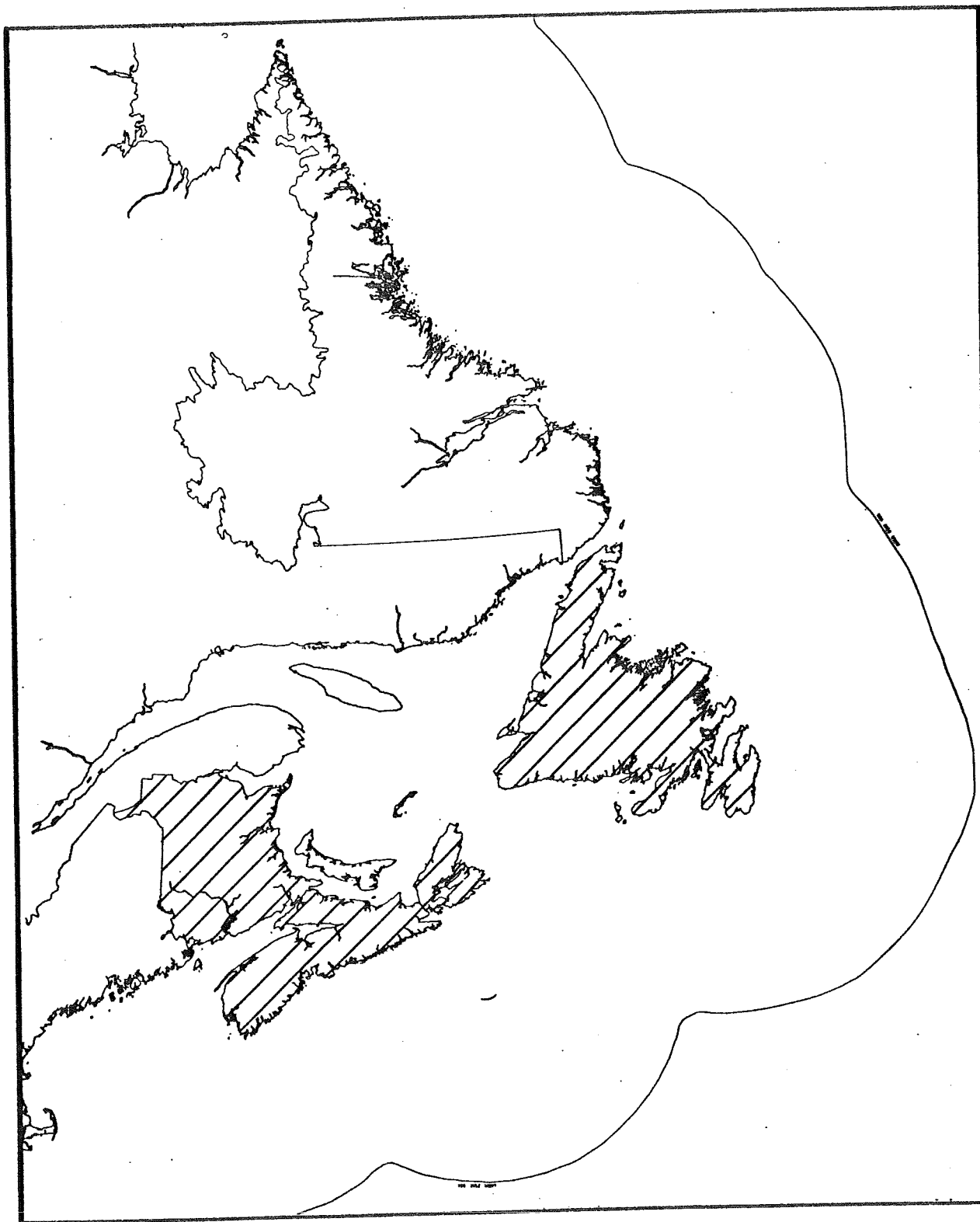


17. Signature: Unverified

Date:

1. **Database Title: Flood Risk Map**
2. **Contact Person:**
Don Ambler
Water Resources Directorate
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-1718; Fax (902) 426-4457
3. **Purpose:**
To accumulate data to reduce flood damage
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
restrictions: None
5. **Geographical Coverage/Scale:**
Canada - includes Nova Scotia, New Brunswick and Newfoundland
Varying scales
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1976 to present
Initial data collection still ongoing
8. **Format:**
Hard-copy - includes maps of flood plains
9. **Data Types/Parameters Measured:**
Physical: Areal extent of flood plains, cross sections, hydraulic structures, ice, water levels, flow
10. **Sampling Procedures:**
Field surveys, compilation of existing data
11. **Program Type:**
Study, monitoring, survey and investigation
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Maps used to direct development away from flood-prone areas via a designation process by federal/provincial Environmental departments. Purpose is to reduce flood damage. Maps used to create a public awareness of flood-prone areas and for zoning/ regulation purposes. Data used to assist in flood forecasts for the Saint John River (federal/provincial agreement).

16. Map indicating areas of data holdings:



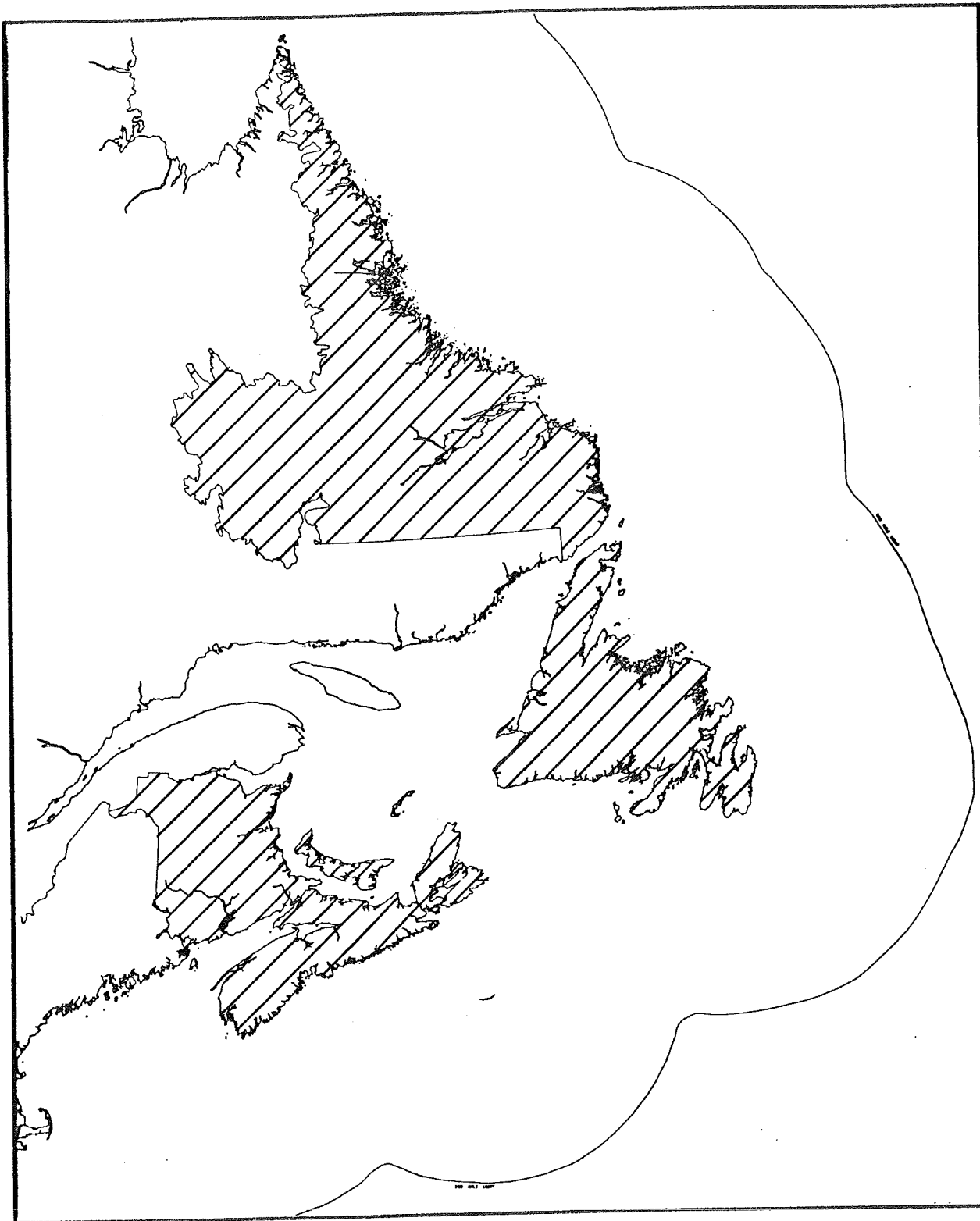
17. Signature: Verified

Date: August 20, 1992

1. **Database Title: Groundwater Database (GWDB)**
2. **Contact Person:**

Dick Bingham Head, Data Systems Section Monitoring and Evaluation Branch Water Resources Directorate Environment Canada 310 Baig Boulevard Moncton, New Brunswick E1E 1E1 Tel (506) 857-7857; Fax 506-851-6608	John Gibb Senior River Basin Hydrologist Conservation and Economics Branch Conservation and Protection Environment Canada 45 Alderney Drive, 15th Floor Dartmouth, Nova Scotia B2Y 2N6 Tel (902) 426-1698; Fax (902) 426-4457
---	--
3. **Purpose:**
To store groundwater data of interest to Environment Canada
4. **Access/Fees/Restrictions:**
Access: Through contact person (Dick Bingham); Fees: None; Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces
6. **Geographical Referencing:**
UTM
7. **Period of Record/Update Frequency:**
Under development
8. **Format:**
Digital
Hard-copy
Reports
9. **Data Types/Parameters Measured:**
General information, well construction, geological data, geophysical data and pump test data.
Obtains water quality data from NAQUADAT.
10. **Sampling Procedures:**
On-site surveys, remote sensing, etc.
11. **Program Type:**
Monitoring, mapping, research and surveys
12. **Size/Growth:**
Under development
13. **Environmental Legislation relevant to this data:**
Canada Water Act
14. **Computer System:**
Host computer: VAX
Operating system:
Software: Oracle
15. **Comments:**
Database is currently under development and modification. this is a pilot project in the Atlantic Region. Eventually the database will be national.

16. Map indicating areas of data holdings:

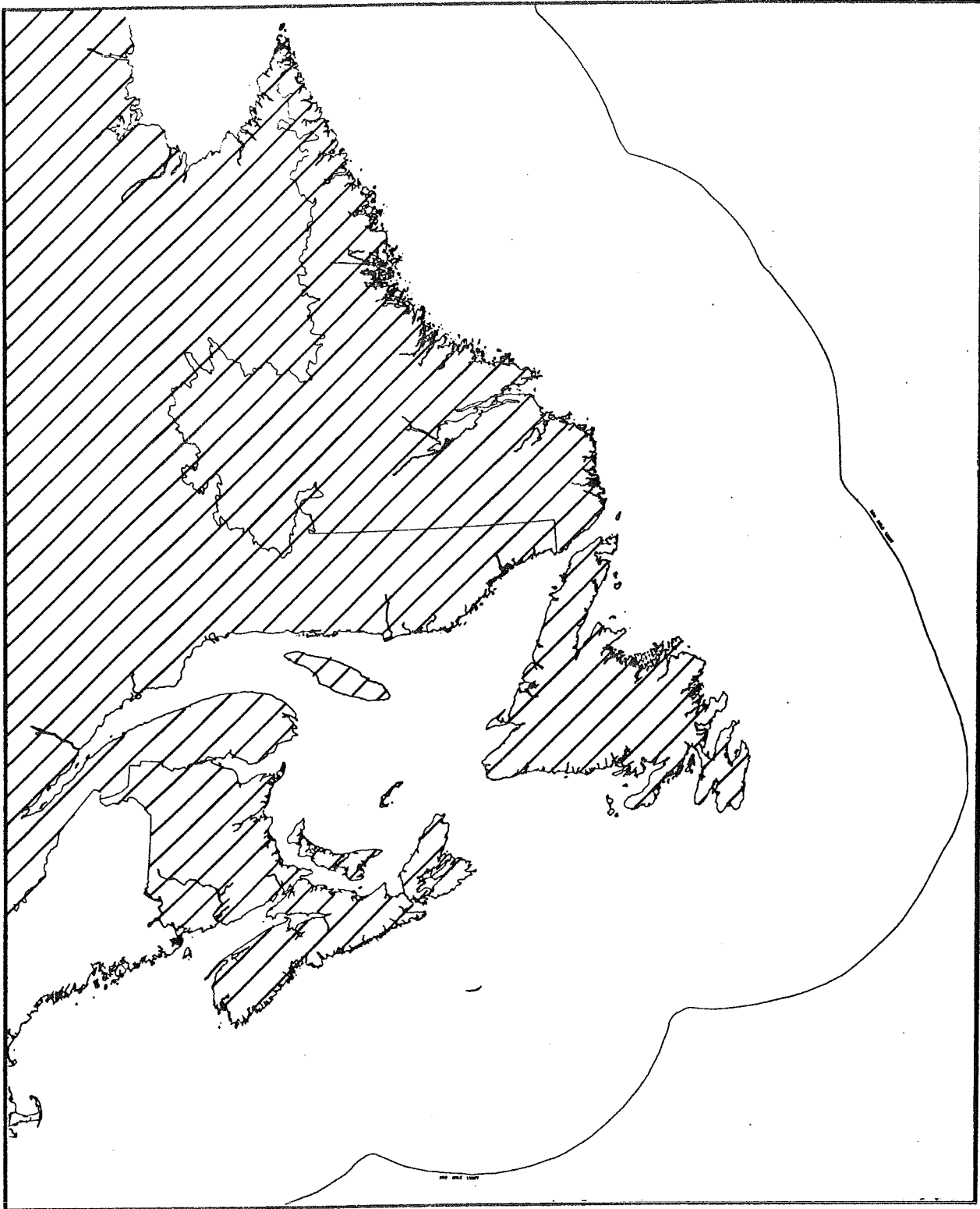


17. Signature: Verified

Date: July 13, 1992

1. **Database Title: HYDAT (National Hydrometric Data Bank)**
2. **Contact Person:**
John Clarke or Dave Randall
Water Resources Directorate Directorate
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-5777
3. **Purpose:**
To provide comprehensive and timely data on the state of Canada's water resources
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Variable, depending on the size of request
Restrictions: None
5. **Geographical Coverage/Scale:**
Canada - including freshwater resources in the Atlantic Provinces
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1900 to present
Updated continuously
8. **Format:**
Digital
Hard-copy: annual reports
9. **Data Types/Parameters Measured:**
Physical: Streamflow, lake levels, suspended sediments, river level and velocity, water temperature, ice conditions, bed material
10. **Sampling Procedures:**
Field surveys
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PDP 11/44 (Dartmouth), CYBER (Ottawa); IPAR interactive procedure
Operating system:
Software:
15. **Comments:**
Sampling stations located on most major rivers in Atlantic Provinces; data provided on magnetic tape or by the IPAR interactive access to the computerized data bank; non-computer data available upon request from national and regional offices; real-time data available upon special arrangement; immediate to 2 week turnaround time for data requests.

16. Map indicating areas of data holdings:



17. Signature: Unverified

Date:

1. **Database Title: Identification and Verification of Closed or Abandoned Land Disposal Sites in the Atlantic Provinces**
2. **Contact Person:**

H.J. O'Neill Monitoring and Evaluation Branch Water Resources Directorate Environment Canada 310 Baig Boulevard Moncton, New Brunswick E1E 1E1 Tel (506) 851-6606; Fax (506) 851-6608	Maria Dober Environmental Protection Environment Canada Queen Square, 15th Floor 45 Alderney Drive Dartmouth, Nova Scotia B2Y 2N6 Tel (902) 426-6141
---	--
3. **Purpose:**

To identify the location of and potential hazards to the environment or public health at abandoned municipal waste disposal sites
4. **Access/Fees/Restrictions:**

Access: Through contact person
Fees: No charge
Restrictions: Restrictions determined by Province
5. **Geographical Coverage/Scale:**

Atlantic Provinces
6. **Geographical Referencing:**

Latitude/Longitude
7. **Period of Record/Update Frequency:**

In 1983 abandoned land disposal sites were identified.
No longer updated.
8. **Format:**

Digital
Hard-copy: Limited reports
9. **Data Types/Parameters Measured:**

Physical: Topography, land use, water supplies, type of waste, volume of waste, site specified data
10. **Sampling Procedures:**

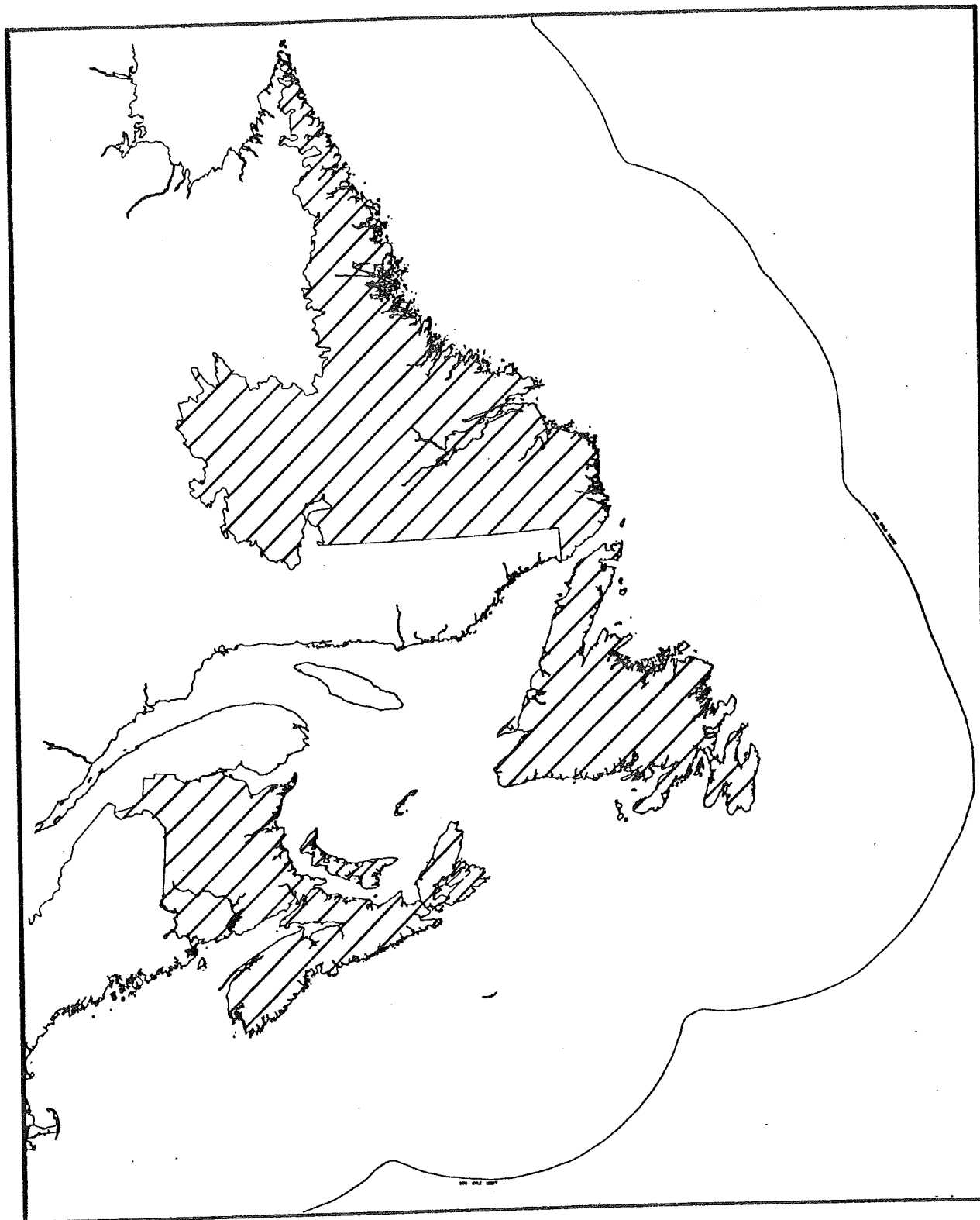
Site inspection
11. **Program Type:**

Survey and inventory
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**

Host computer: VAX 750
Operating system:
Software: Oracle
15. **Comments:**

Sites were ranked within each provinces as to Priority I, II or III based on provincial concerns and issues.

16. Map Indicating areas of data holdings:

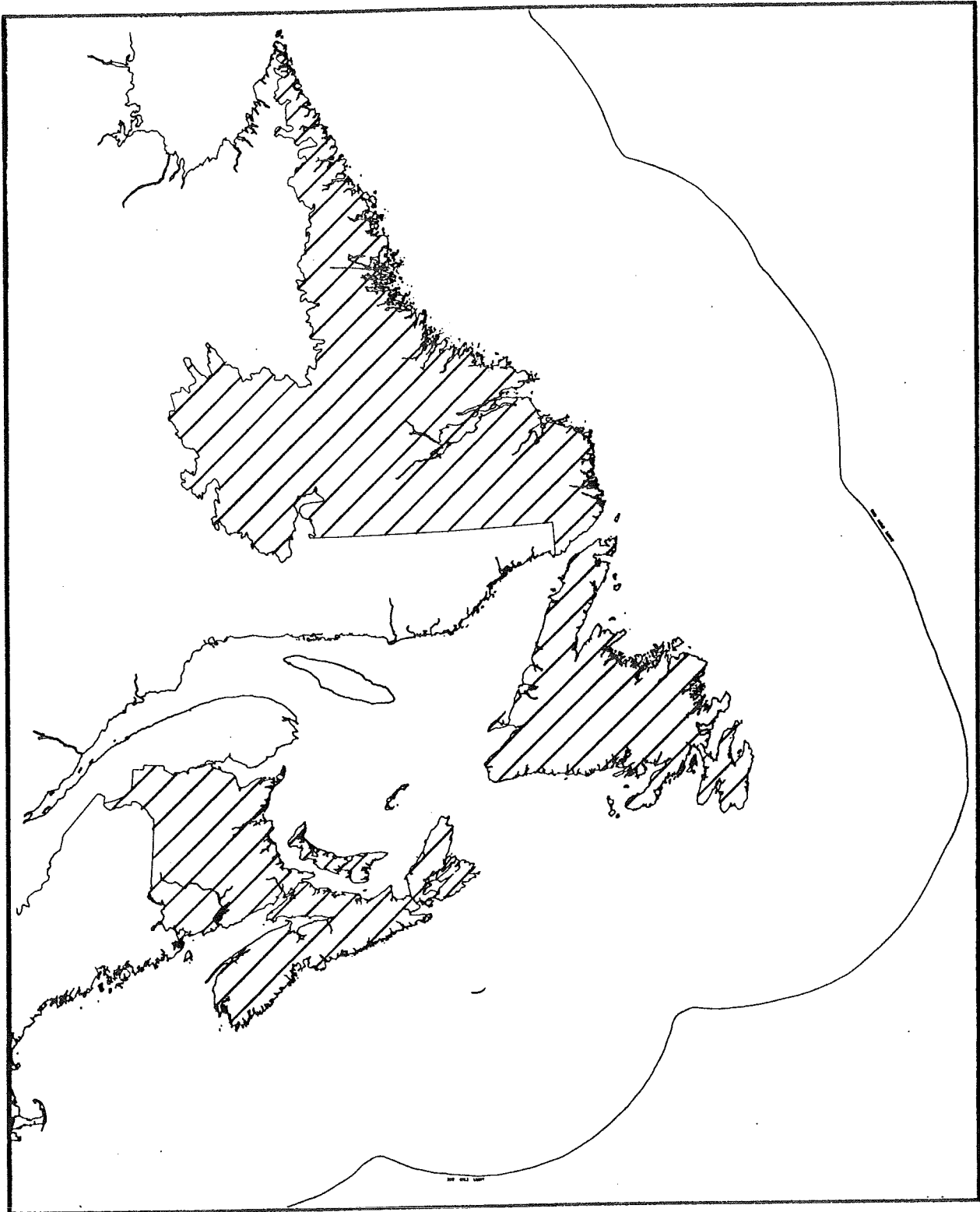


17. Signature: Verified

Date: June 15, 1992

1. **Database Title: Industrial Water Use Database**
2. **Contact Person:**
Dave Scharf or Dave Lacelle
Economics and Conservation Branch
Ecosystem Sciences and Evaluation Directorate
Environment Canada
Place Vincent Massey
351 St. Joseph Boulevard
Hull, Québec K1A 0H3
Tel (819) 953-1518, 953-1519
3. **Purpose:**
To determine water consumption of principal industrial water users in the Atlantic Region
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: No charge
Restrictions: Some data is proprietary information which must be presented in a manner which cannot identify individual plants
5. **Geographical Coverage/Scale:**
Atlantic Provinces - Freshwater rivers and lakes throughout the region
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1984 and 1988
Updated every 5 years
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Socio-economic: Type of plant, number of employees, size of plant, annual water consumption per industrial plant
10. **Sampling Procedures:**
Compilation of published and company reported data
11. **Program Type:**
Trend analysis
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PDP 11.44
Operating system:
Software: Fortran
15. **Comments:**

16. Map Indicating areas of data holdings:

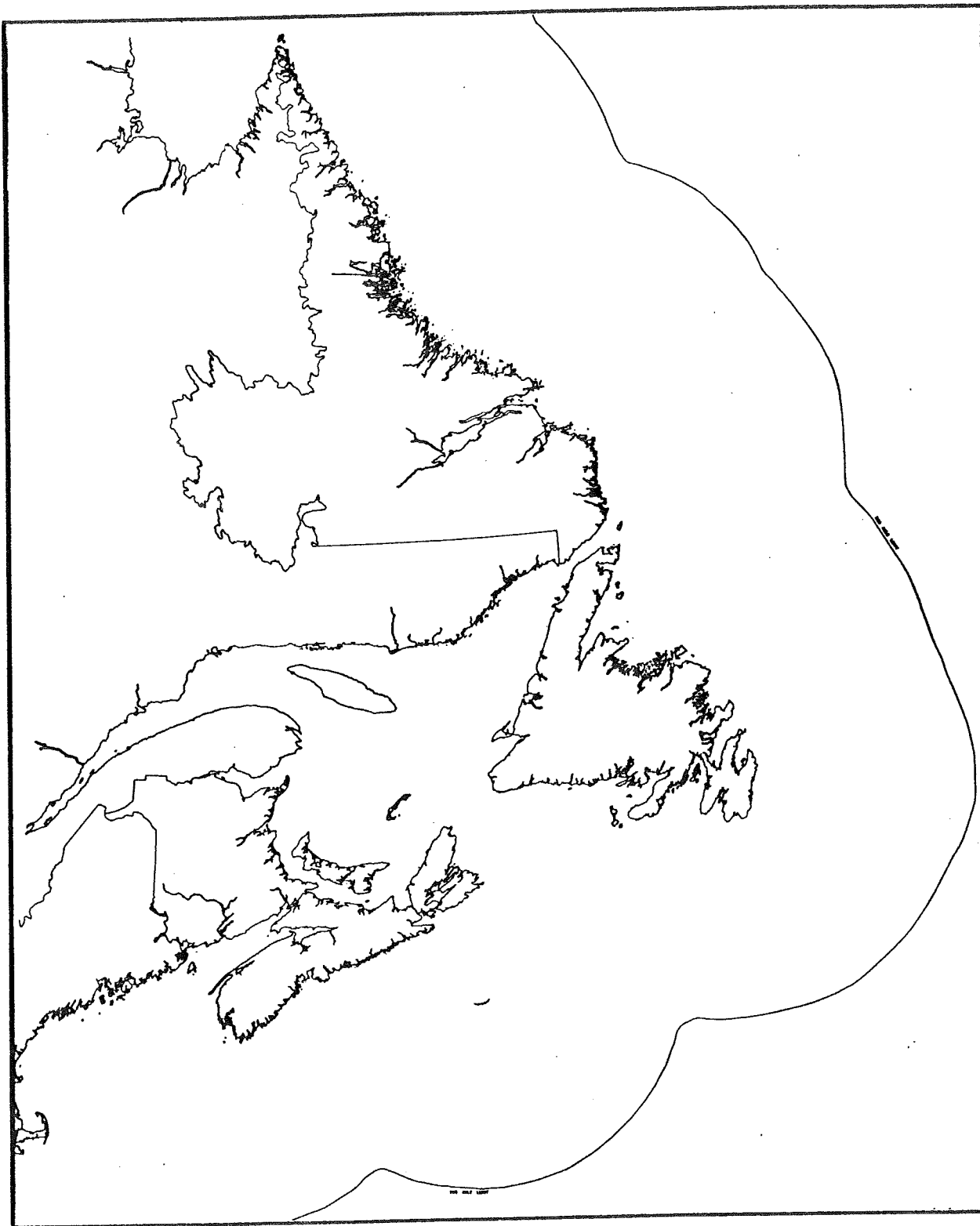


17. Signature: Unverified

Date:

1. **Database Title: International Waters**
2. **Contact Person:**
Tom Pollock
Water Resources Directorate
Environment Canada
310 Baig Boulevard
Moncton, New Brunswick E1E 1E1
Tel (506) 851-6606; Fax (506) 851-6608
3. **Purpose:**
To determine ambient water quality and temporal trends
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
New Brunswick - Saint John and St. Croix Rivers
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
1965 to present
Intermittent update frequency depending on incoming data
8. **Format:**
Digital: ASCII or binary on various media - magnetic tape, diskette
Hard-copy
9. **Data Types/Parameters Measured:**
Physical, chemical and biological: Major ions, nutrients, metals, organics including pesticides (water, sediments, fish)
10. **Sampling Procedures:**
Grab samples
11. **Program Type:**
Monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX 750
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

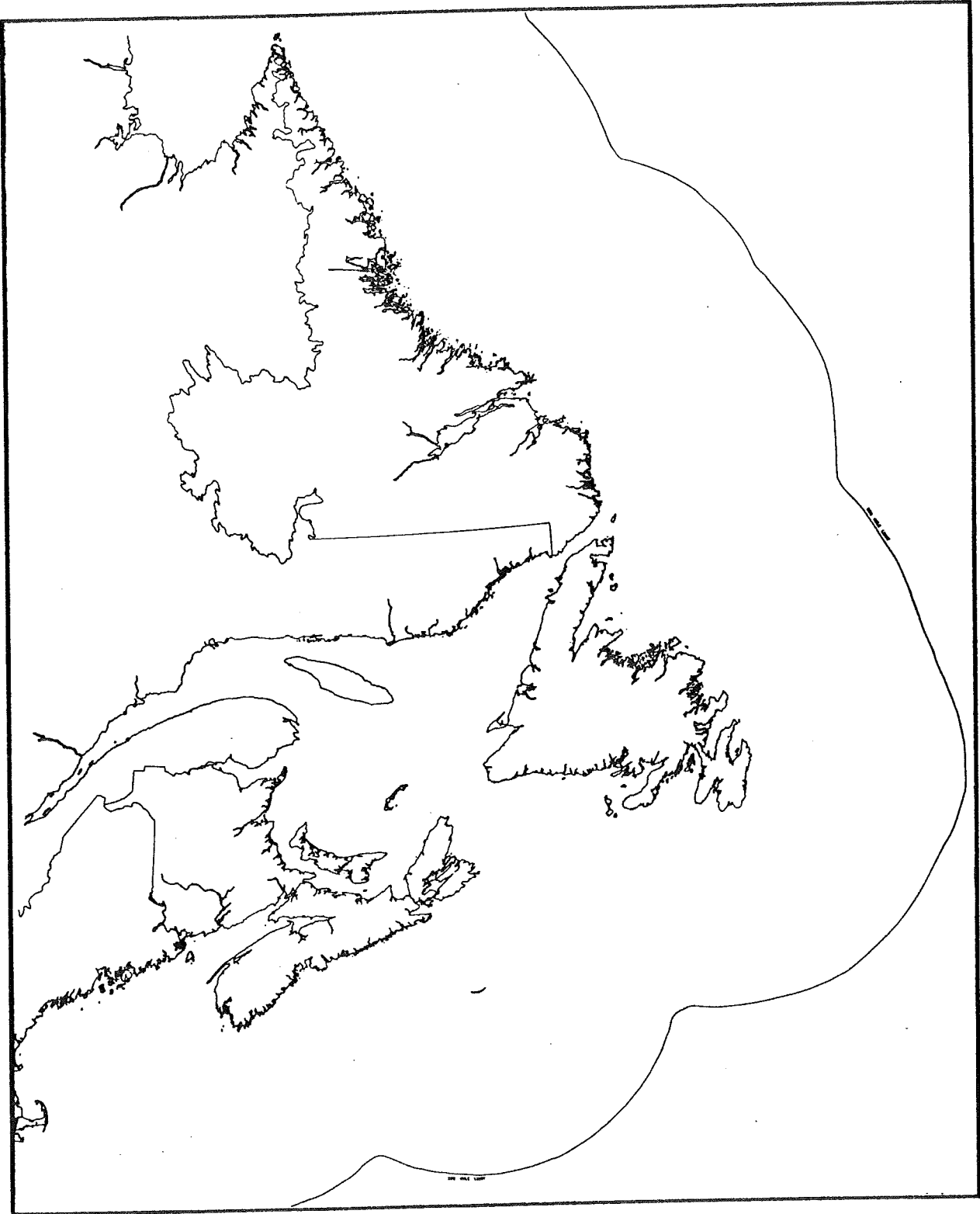


17. Signature: Verified

Date: June 15, 1992

1. **Database Title: Land Use - Tantramar**
2. **Contact Person:**
Geoff D. Howell
A/Head, Ecosystem Forecasting Division
Conservation and Economics Branch
Water Resources Directorate
Environment Canada
45 Alderney Drive, 15th Floor
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-4196
3. **Purpose:**
Land Use Change/Watershed Management
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: No charge
Restrictions: Data will be provided in present format.
5. **Geographical Coverage/Scale:**
Tantramar region of Nova Scotia/New Brunswick
Map data scale: 1:50 000
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Data set completed in 1987
8. **Format:**
Digital: Floppy Disk (5.25")
Hard-copy
9. **Data Types/Parameters Measured:**
Land Use and Capability Themes for 1965 and 1985
Data elements:
Land Use Modifiers - 11 classes - dyked and ditches, inundated, intertidal, etc.
Land Use Activities - 25 classes - agriculture, abandoned agriculture, forestry, abandoned forestry, dwelling, institutional, wildlife, grazing, etc.
Land Use Covers - 18 classes - spartina, crops, improved grass, sedges, shrubs, tall trees, etc.
10. **Sampling Procedures:**
11. **Program Type:**
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system: MS DOS
Software: Tydac/SPANS
15. **Comments:**
Thematic layers have been classified using the schema of the Canada Land Use Monitoring Program (CLUMP).

16. Map Indicating areas of data holdings:

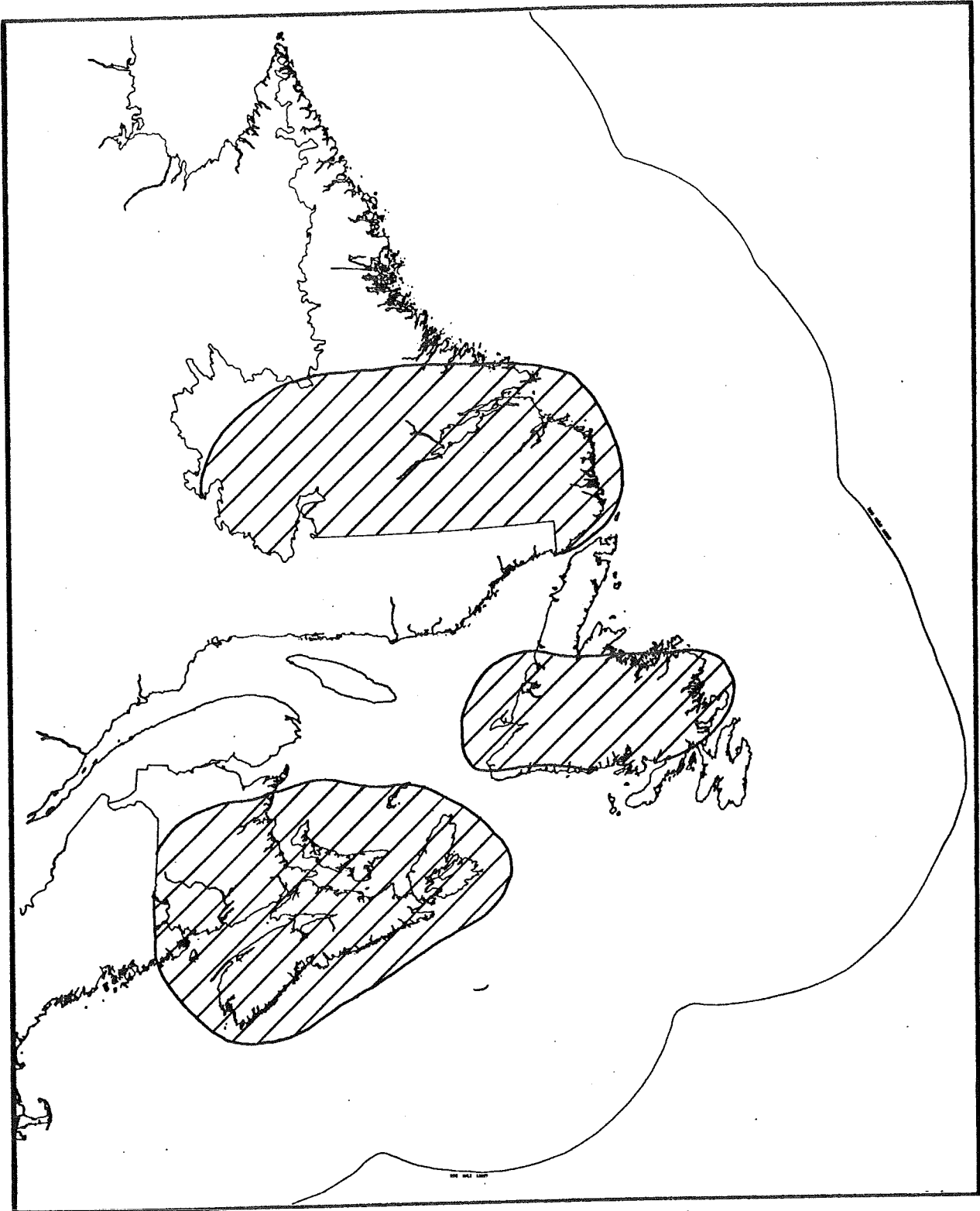


17. Signature: Unverified

Date:

1. **Database Title: Long Range Transport of Atmospheric Pollutants (LRTAP)**
2. **Contact Person:**
Tom Clair
Water Resources Directorate
Environment Canada
310 Baig Boulevard
Moncton, New Brunswick E1E 1E1
Tel (506) 851-6606; Fax (506) 851-6608
3. **Purpose:**
To determine temporal trends and resources at risk to acid rain
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Region
6. **Geographical Referencing:**
NAQUADAT stations; Latitude/Longitude
7. **Period of Record/Update Frequency:**
1965 to present
Updated semi-annually
8. **Format:**
Digital: ASCII or binary format on Magnetic tape, diskette
Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Major ions, nutrient, metals
Chemical
Biological: Phytoplankton
10. **Sampling Procedures:**
Grab samples
11. **Program Type:**
Monitoring and survey
12. **Size/Growth:**
6000 records
Approximately 10% annual growth
13. **Environmental Legislation relevant to this data:**
Canada/US Air Quality Accord
14. **Computer System:**
Host computer: VAX 750
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

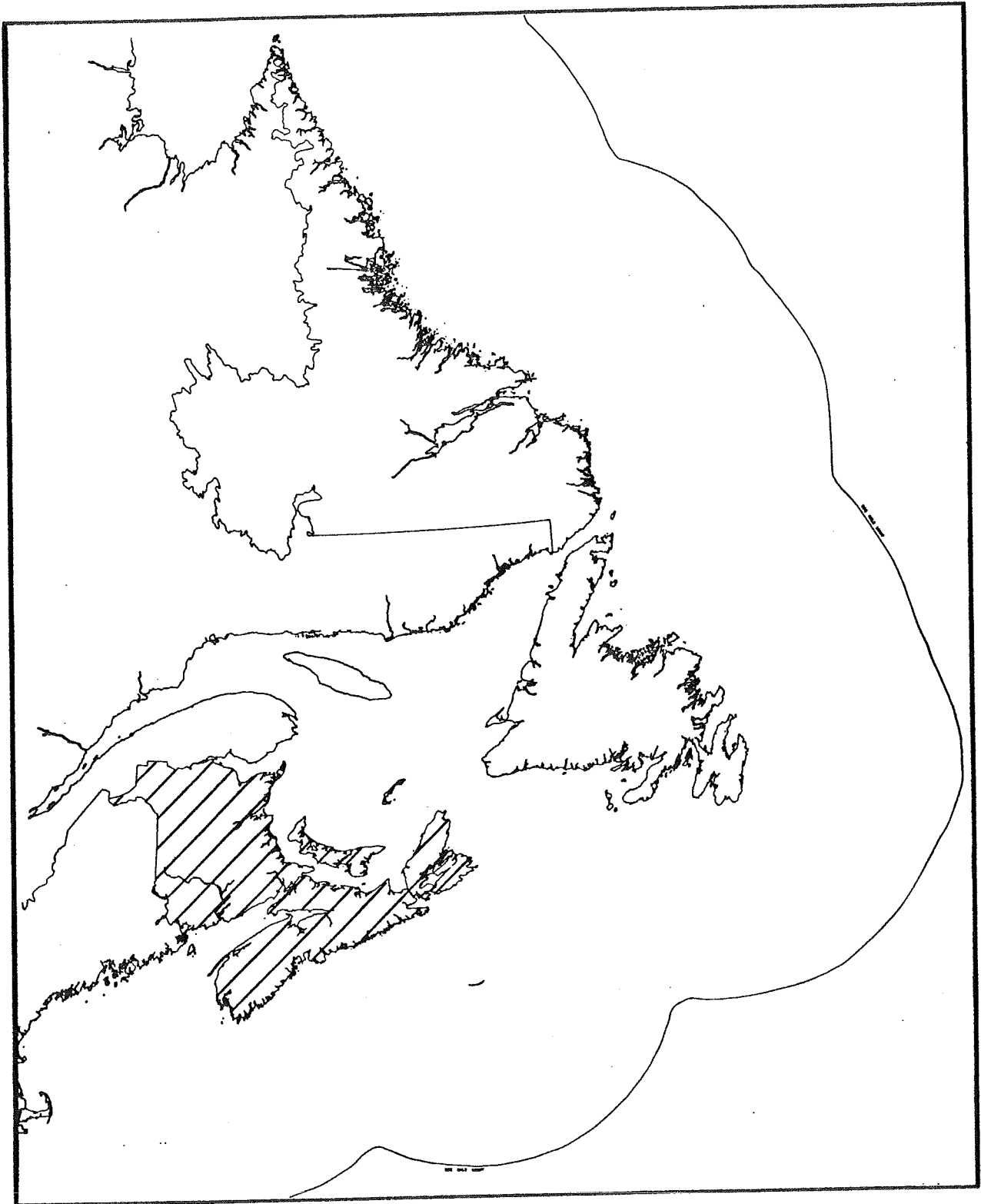


17. Signature: Verified

Date: June 12, 1992

1. **Database Title: Maritime Strategic Land-Use Database**
2. **Contact Person:**
Geoff Howell
A/Head, Ecosystem Forecasting Division
Conservation and Economics Branch
Water Resources Directorate
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-4196
3. **Purpose:**
To provide a regional overview of land use and capability information for use in environmental modelling applications
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Small requests free; large data requests at cost through Ottawa
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia, New Brunswick and Prince Edward Island
Scale 1:50 000 working level maps
6. **Geographical Referencing:**
Latitude/Longitude; UTM
7. **Period of Record/Update Frequency:**
Comparative data sets from 1967 and 1987
Updates will be conducted on a project by project basis
8. **Format:**
Digital: SPANS GIS; underlying attribute data in dBASE IV
9. **Data Types/Parameters Measured:**
21 Land-use classes for 1987
15 Land-use classes for 1967
Land capability and limitations for agriculture, forestry, recreation, waterfowl and ungulates
A variety of additional GIS thematic, vector and point data
10. **Sampling Procedures:**
Land-use determined from Landsat-TM
11. **Program Type:** Mapping
12. **Size/Growth:**
Approximately 150 Megabytes; estimated growth of 10-15% per annum
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating System: OS/2
Software: Tydac SPANS-GIS and SPANSMAP, dBASE 1V
15. **Comments:**

16. Map Indicating areas of data holdings:

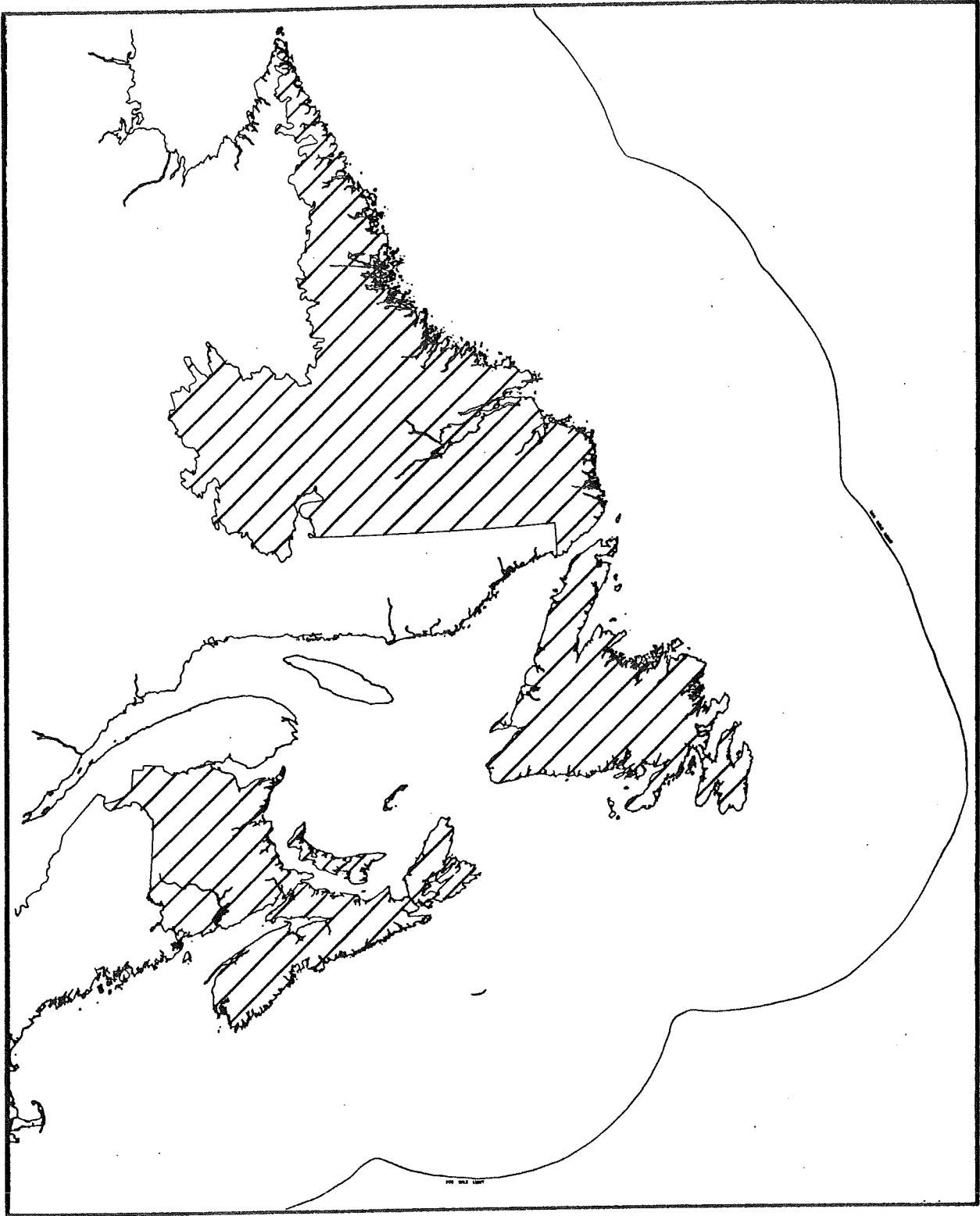


17. Signature: Verified

Date: July 14, 1992

1. **Database Title: Municipal Water Use Database**
2. **Contact Person:**
Dave Scharf or Dave Lacelle
Economics and Conservation Branch
Ecosystem Sciences and Evaluation Directorate
Environment Canada
Place Vincent Massey
351 St. Joseph Boulevard
Hull, Québec K1A 0H3
Tel (819) 953-1518, 953-1519
3. **Purpose:**
To provide easy access to basic data on municipal water use (consumption and treatment)
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - municipalities with populations 1000 +
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1981 to 1986
Updated every 5 years
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Socio-economic: Population, water intake, consumption, treatment, outflow
10. **Sampling Procedures:**
Compilation of existing data, includes census of Canada data
11. **Program Type:**
Trend analysis
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PDP 11/44 (Dartmouth, Nova Scotia), VAX (Moncton, New Brunswick)
Operating system:
Software: Fortran
15. **Comments:**
Data can be transferred to an IBM PC or compatible.
Updated after new census of Canada are released.

16. Map indicating areas of data holdings:

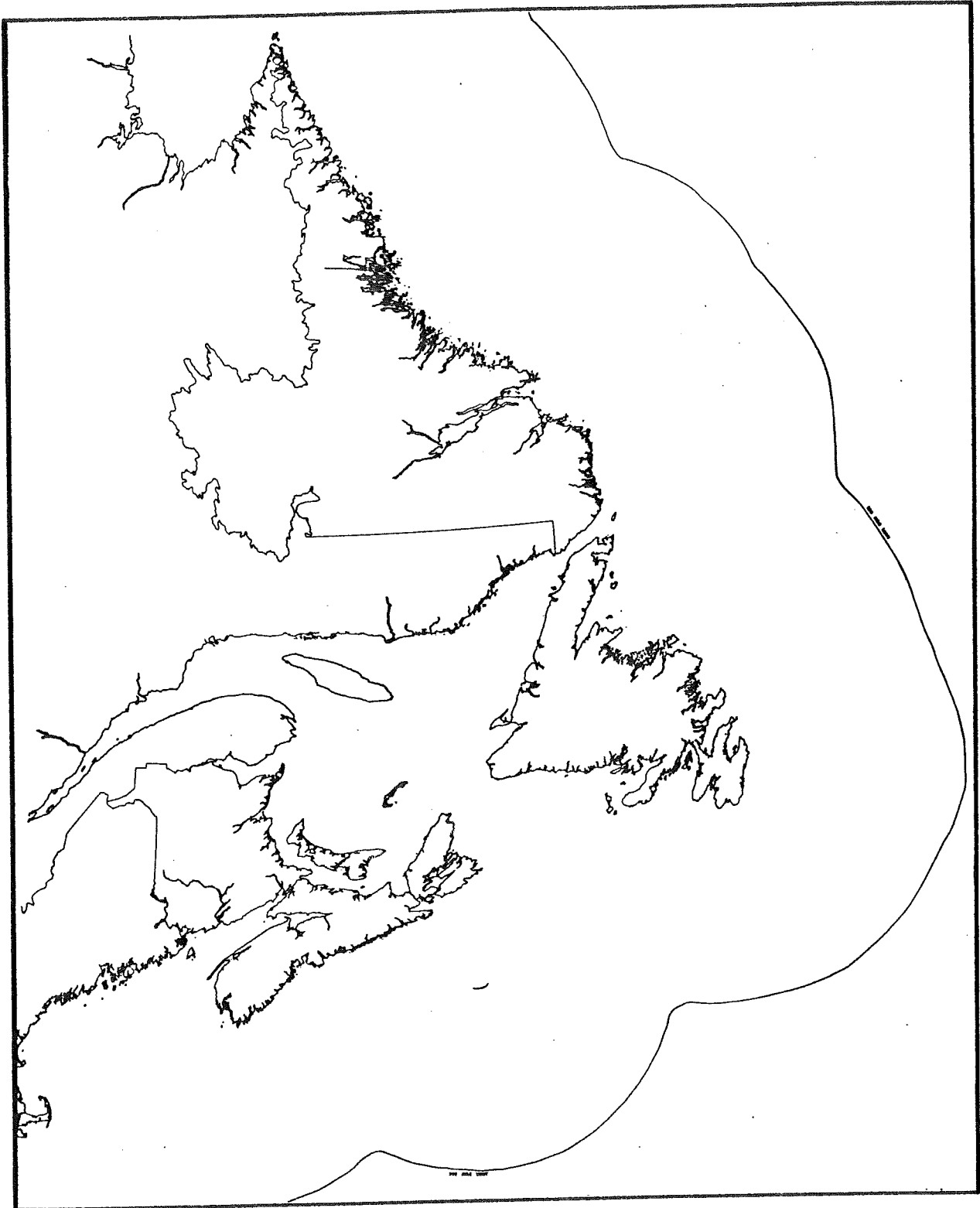


17. Signature: Unverified

Date:

1. **Database Title: NAQUADAT (National Water Quality Data Bank)**
2. **Contact Person:**
Tom Pollock
Water Resources Directorate
Environment Canada
310 Baig Boulevard
Moncton, New Brunswick E1E 1E1
Tel (506) 851-6606; Fax (506) 851-6608
3. **Purpose:**
To maintain an inventory of ambient water quality across Canada
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Canada, including fresh, estuarine and marine waters
6. **Geographical Referencing:**
Latitude/Longitude of sampling points
7. **Period of Record/Update Frequency:**
1960 to present
Variable update, but frequent
8. **Format:**
Digital
Hard-copy: Annual summary reports
9. **Data Types/Parameters Measured:**
Physical: Flow, water depth
Chemical: Approximately 150 water quality parameters including nutrients, metals, pesticides, and other organic contaminants
10. **Sampling Procedures:**
Variable but the majority are grab samples from surface water - some automatic water quality samples and a small number of composite samples
11. **Program Type:**
Monitoring with some research and survey data
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: CYBER mainframe (Ottawa)
Operating system:
Software:
15. **Comments:**
NAQUADAT is in the process of changing from System 2000 to Oracle. Good source of baseline water quality data; most extensive water quality database in Canada. Several federal and provincial government agencies contribute to NAQUADAT.

16. Map indicating areas of data holdings:

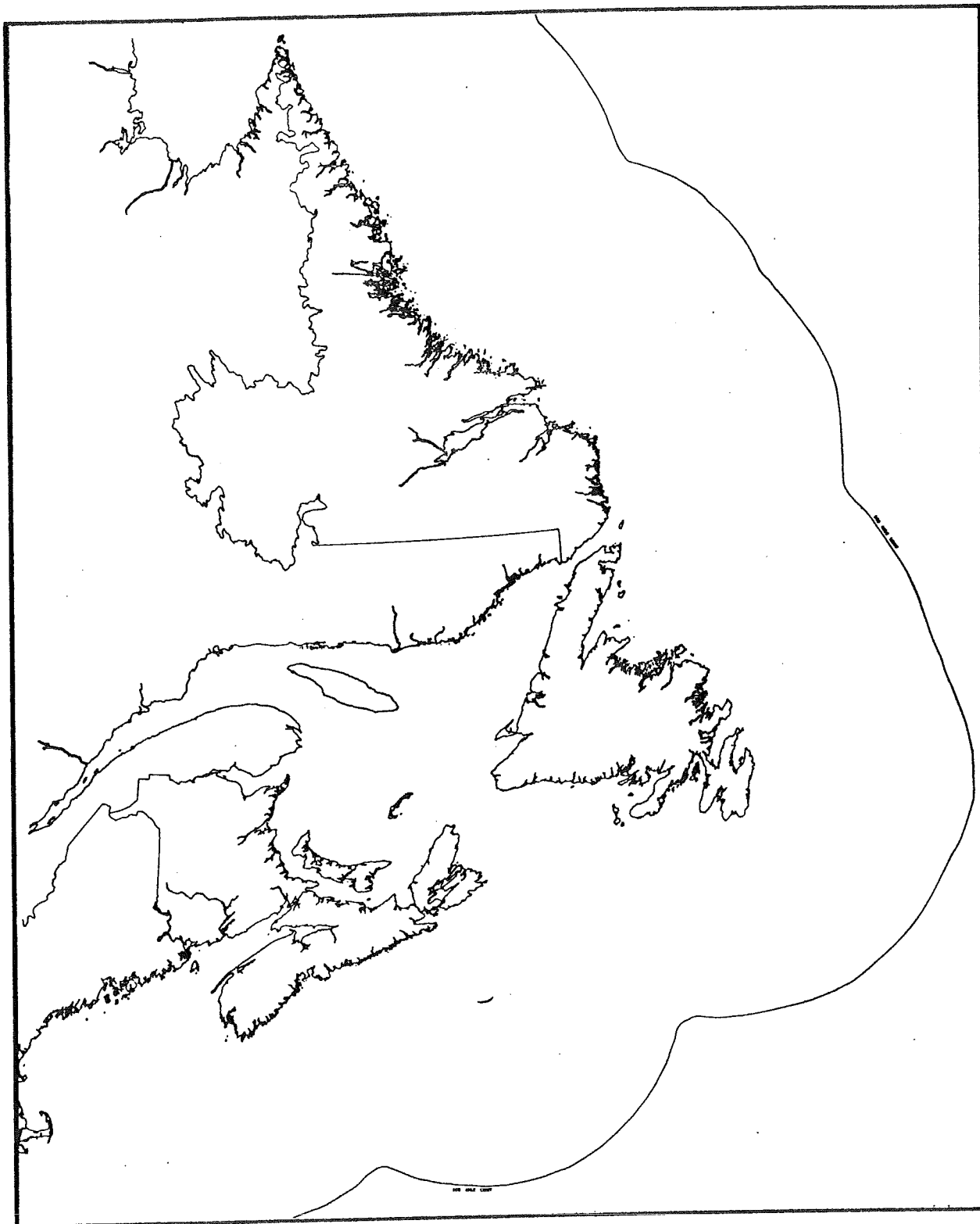


17. Signature: Verified

Date: June 15, 1992

1. **Database Title: Physiographic Data for Gauge Basins**
2. **Contact Person:**
Tom Humes
Water Resources Directorate
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-1701; Fax (902) 426-4457
3. **Purpose:**
Data to help in developing relationships to determine low flows, flood flows and mean flows
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Region - freshwater drainage basins
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
N/A - single value per physiographic parameter
Not updated
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Flow parameters
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PDP 11/44
Operating system:
Software: Fortran
15. **Comments:**

16. Map indicating areas of data holdings:

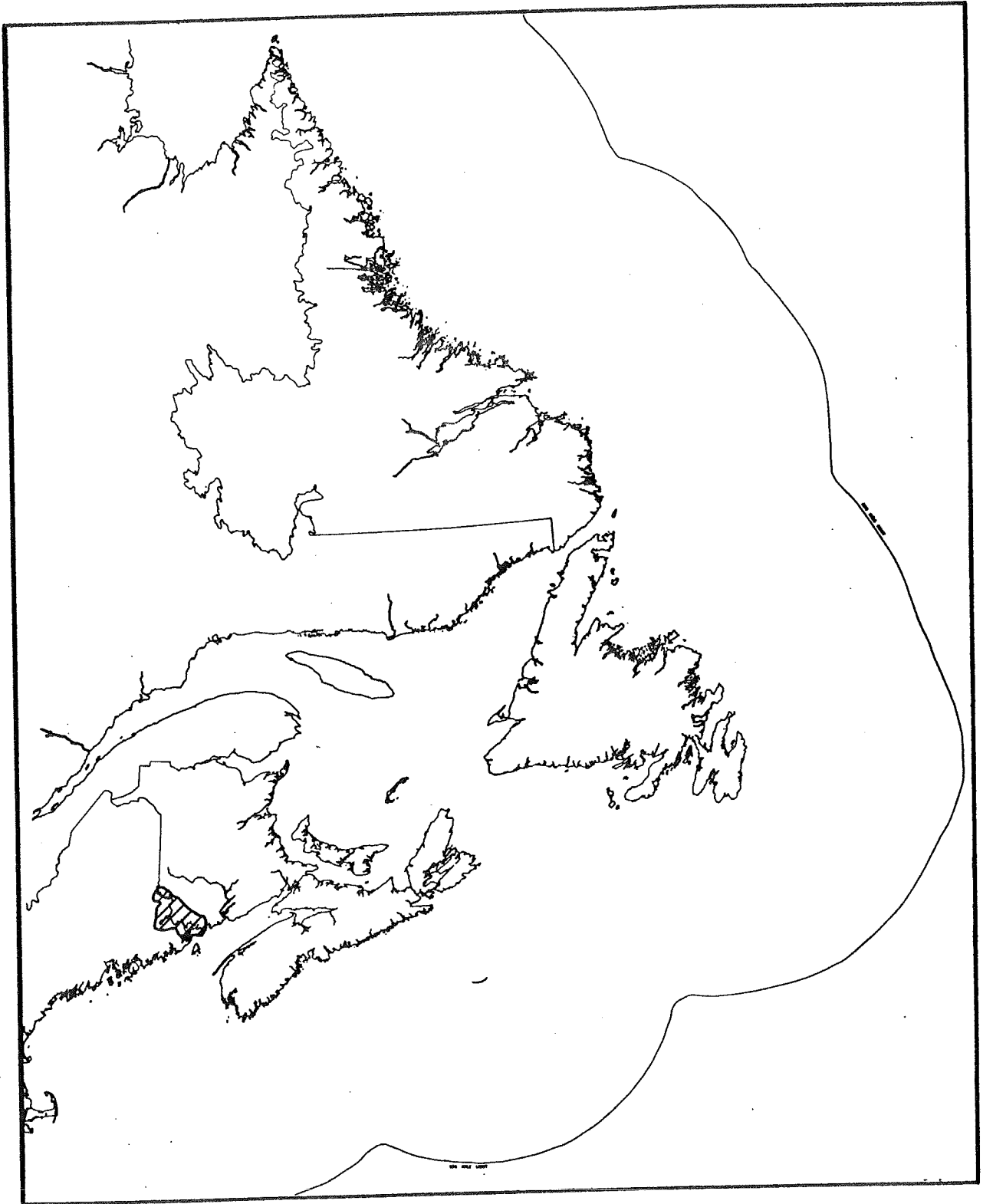


17. Signature: Verified

Date: August 31, 1992

1. **Database Title: St. Croix Integrated Studies Pilot Project**
2. **Contact Person:**
Tom Humes
Water Resources Directorate
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-1701; Fax (902) 426-4457
3. **Purpose:**
Data to aid in assessing the current state of water resource management and water requirements of users in drainage basins
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Some data is proprietary information
5. **Geographical Coverage/Scale:**
New Brunswick and Maine, U.S.A. - St. Croix River and estuary
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Historical data to present
Not updated because database was a one time study
8. **Format:**
Digital: Some Canadian water quality and flow data on NAQUADAT
Hard-copy
9. **Data Types/Parameters Measured:**
Physical, chemical and biological: Large number of standard water quality parameters
Socio-economic: Industrial development, municipal infrastructure
10. **Sampling Procedures:**
Standard NAQUADAT monitoring stations plus radionucleii stations. Socio-economic data - one time survey
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
This database has resulted from a one-time only study. Primarily output in hard-copy. 3 publications will result - summary report, interpretive report and a fact sheet.

16. Map indicating areas of data holdings:

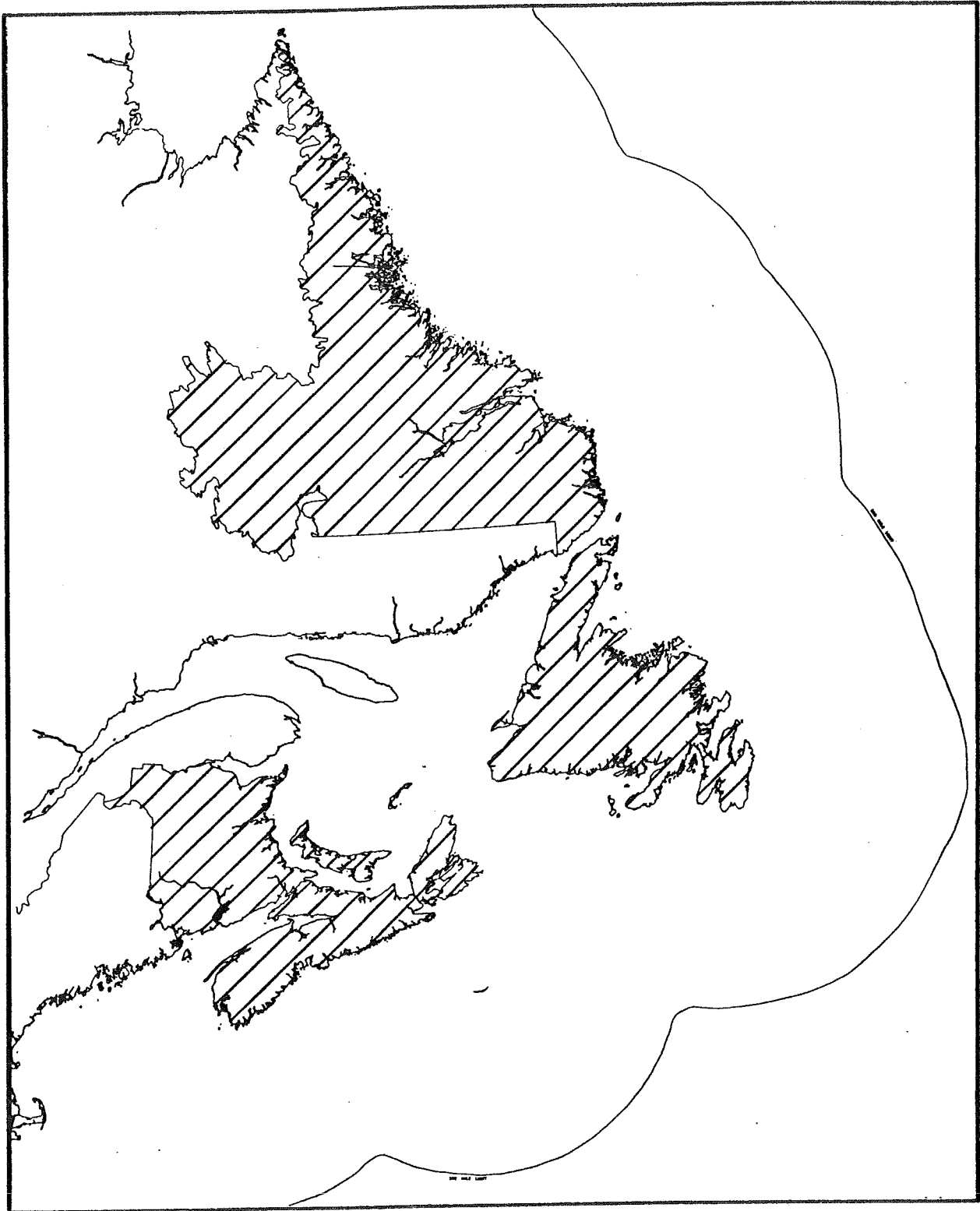


17. Signature: Verified

Date: August 31, 1992

1. **Database Title: Toxic Chemicals Database (NAQUADAT)**
2. **Contact Person:**
Hugh O'Neill
Waters Resources Directorate
Environment Canada
310 Baig Boulevard
Moncton, New Brunswick E1E 1E1
Tel (506) 851-6606; Fax (506) 851-6608
3. **Purpose:**
To monitor ambient concentrations of toxic chemicals in water, sediments and fish in the Atlantic Provinces
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - freshwater and estuaries
6. **Geographical Referencing:**
Latitude/Longitude of sampling points
7. **Period of Record/Update Frequency:**
Early 1970s to present
Very few areas resampled, although information for other areas added each year
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Chemical
Biological: Pesticides, PCB, PAH, chlorophenols and other organic contaminants in water, sediments and fish
10. **Sampling Procedures:**
Largely grab sampling - hand seine and gill nets are used to catch fish
11. **Program Type:**
Monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
Canadian Environmental Protection Act (CEPA)
Pest Control Products Act
14. **Computer System:**
Host computer: VAX 750
Operating system:
Software: RS1, Oracle
15. **Comments:**
Interpretive data are available through a report series; although much of this data is on NAQUADAT, this system is easier to access.

16. Map Indicating areas of data holdings:



17. Signature: Verified

Date: June 15, 1992

1. **Database Title: WATDOC (Water Resources Document Reference Centre)**
2. **Contact Person:**
Al Kindervater
Water Resources Directorate
Environment Canada
45 Alderney Drive, Queen Square
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-1704
3. **Purpose:**
To provide a bibliography of scientific and technical information pertaining to water quality and environmental topics
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Minimal charge
Restrictions: None
5. **Geographical Coverage/Scale:**
International - includes references on freshwater and air quality in the Atlantic Provinces
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1972 to present; updated every 2 months
8. **Format:**
Digital; Hard copy: Bibliographical references
9. **Data Types/Parameters Measured:**
Bibliographic - includes:
Physical: Flow, land management, ice and snow flooding
Chemical: Water quality, long range transport of pollutants
Biological: Forestry data, fish and wildlife baseline data
10. **Sampling Procedures:**
Variable - depending on source documents
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
WATDOC includes other bibliographies such as SQUAREF, D-Ref and newspaper clippings. Database now with NRC in Ottawa. Provides micro-fiche and archives service to library. Primarily composed of surface water quality references. Abstracts are contained in the database. WATDOC provides scientific and technical literature to government agencies, universities and the public.

16. Map indicating areas of data holdings:

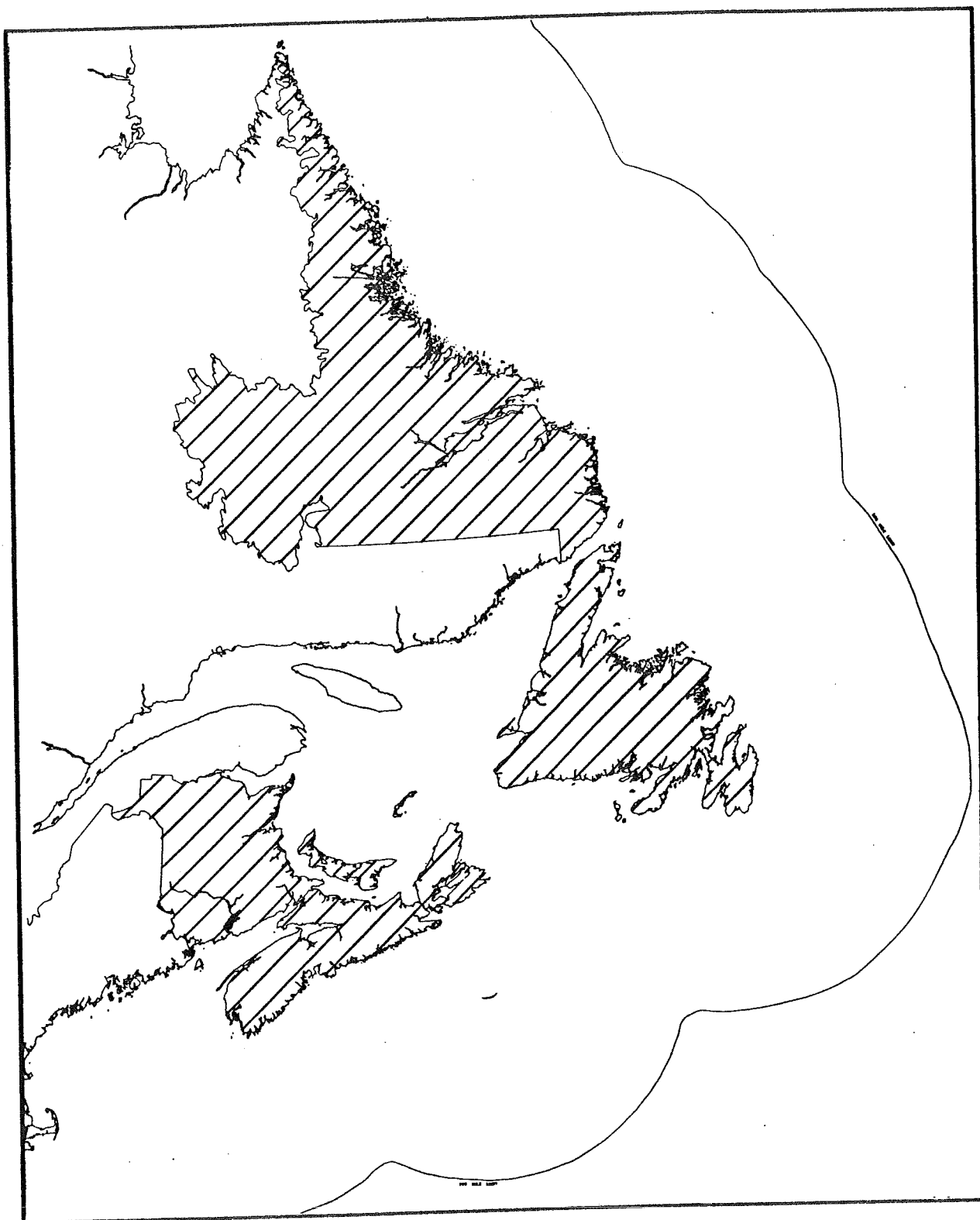


17. Signature: Unverified

Date:

1. **Database Title: Water Quality Atlantic Region Chemistry Data**
2. **Contact Person:**
Dick Bingham
Head, Data Systems Section
Water Resources Directorate
Environment Canada
310 Baig Boulevard
Moncton, New Brunswick E1E 1E1
Tel (506) 851-7897; Fax (506) 851-6608
3. **Purpose:**
Water quality - backgrounds, trends and interpretation
4. **Access/Fees/Restrictions:**
Data sharing policy: No restrictions
Fees: At this time there is no charge; however, an Environment Canada pricing policy is being considered.
Restrictions:
5. **Geographical Coverage/Scale:**
Atlantic Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
On-going compilation since 1965
8. **Format:**
Digital: Flat ASCII, dBASE, Lotus 123 or Oracle Export on Tape (1600 BPI, 8mm, TK50) and Floppy disk
On-line access: DATAPAC (restricted access)
Hard-copy
9. **Data Types/Parameters Measured:**
Inland water chemistry: Specific data elements available on request.
10. **Sampling Procedures:**
Data from over 1000 water quality stations in the Atlantic Region
11. **Program Type:**
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX 750/MICROVAX II
Operating system: VMS
Software: Oracle and in-house software
15. **Comments:**

16. Map indicating areas of data holdings:

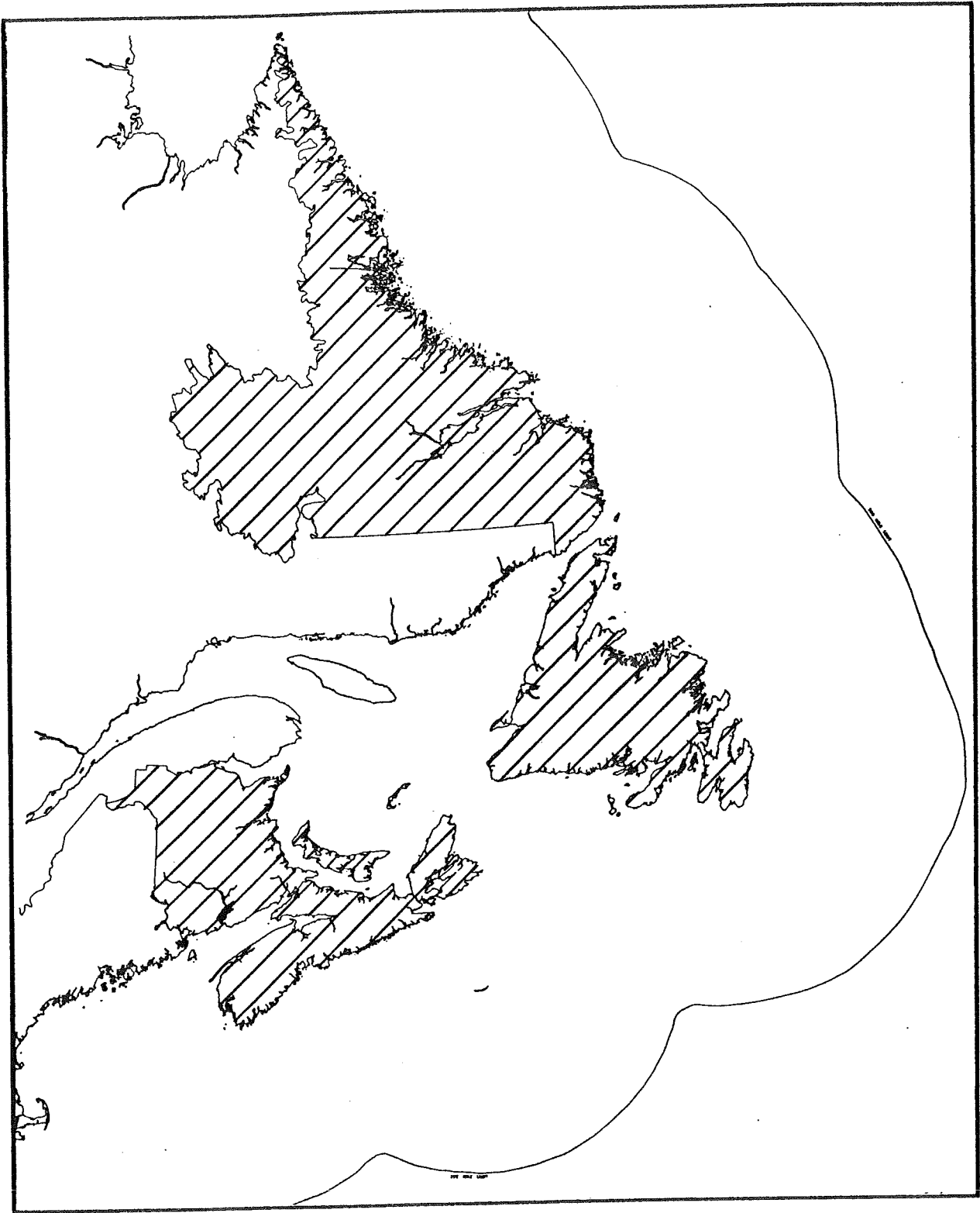


17. Signature: Unverified

Date:

1. **Database Title: Water Related Issues Database**
2. **Contact Person:**
Francine Rousseau
Water Resources Directorate
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-3958; Fax (902) 426-5602
3. **Purpose:**
To monitor water use and associated problems
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: None; Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - Freshwater and estuarine water resources
6. **Geographical Referencing:**
Water Survey of Canada subdivisions (River sub-basins)
7. **Period of Record/Update Frequency:**
1988 to present; updated weekly with approximately 115 records
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Soil erosion, floods, droughts
Chemical: Contamination, pesticide issues, acid rain
Socio-economic: Municipal infrastructure, economic development, water use, waste disposal, conservation
10. **Sampling Procedures:**
Variable sampling procedures, depending on original data sources. Compilation of existing data including newspaper clippings
11. **Program Type:**
Trend analysis
12. **Size/Growth:**
More than 10,000 records; 25% annual growth
13. **Environmental Legislation relevant to this data:**
Environmental Impact Assessment
14. **Computer System:**
Host computer: PDP 11/44
Operating system:
Software: Fortran
15. **Comments:**
Data aggregated by Water Survey of Canada subdivisions (sub-basins) and topics. Will be part of SWID (Strategic Water Information Database) which is currently being developed. The majority of the information originates from regional newspapers.

16. Map indicating areas of data holdings:

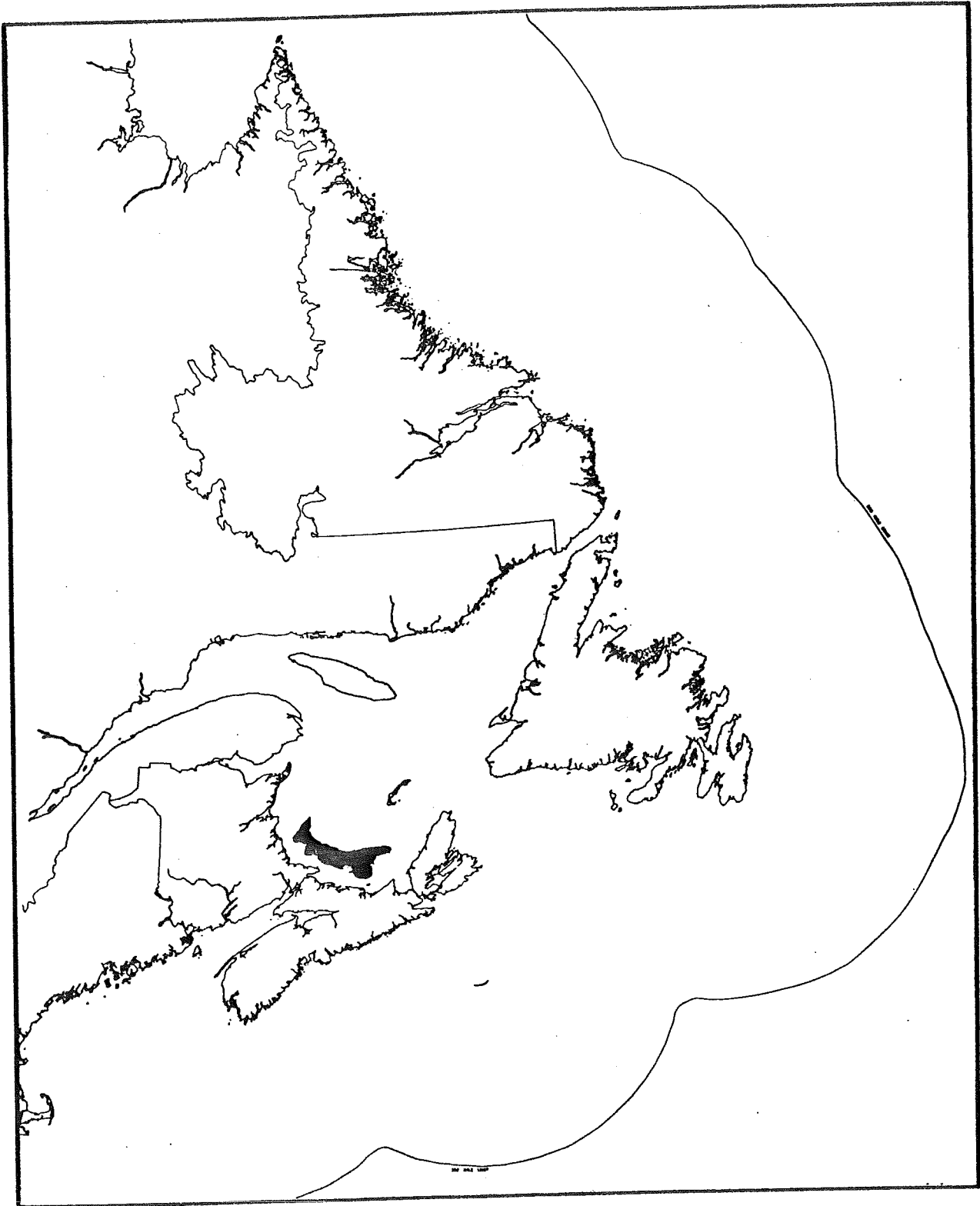


17. Signature: Verified

Date: June 24, 1992

1. **Database Title: Watershed Inventory Project - Prince Edward Island**
2. **Contact Person:**
Tom Humes
Water Resources Directorate
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6
Tel (902) 426-1701; Fax (902) 426-4457
3. **Purpose:**
To establish comprehensive databases per watershed in Prince Edward Island to assist in future watershed management
4. **Access/Fees/Restrictions:**
Access: Through contact person, although a report series will soon begin to be published
Fees: None
Restrictions: No restrictions
5. **Geographical Coverage/Scale:**
Prince Edward Island - watersheds, rivers and estuaries throughout the Province
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Present
Ongoing - data entry in progress
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Stream alteration activities, flow data
Chemical: Existing water quality data
Biological: Fisheries, aquaculture
Socio-economic: Location of dump sites, sewage treatment plants
10. **Sampling Procedures:**
Field surveys, air photos, maps, satellite imagery and literature searches
11. **Program Type:**
Research
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM compatible PC
Operating system:
Software:
15. **Comments:**
Project is now under way. Will be producing a series of reports as part of a Federal-Provincial agreement.

16. Map indicating areas of data holdings:

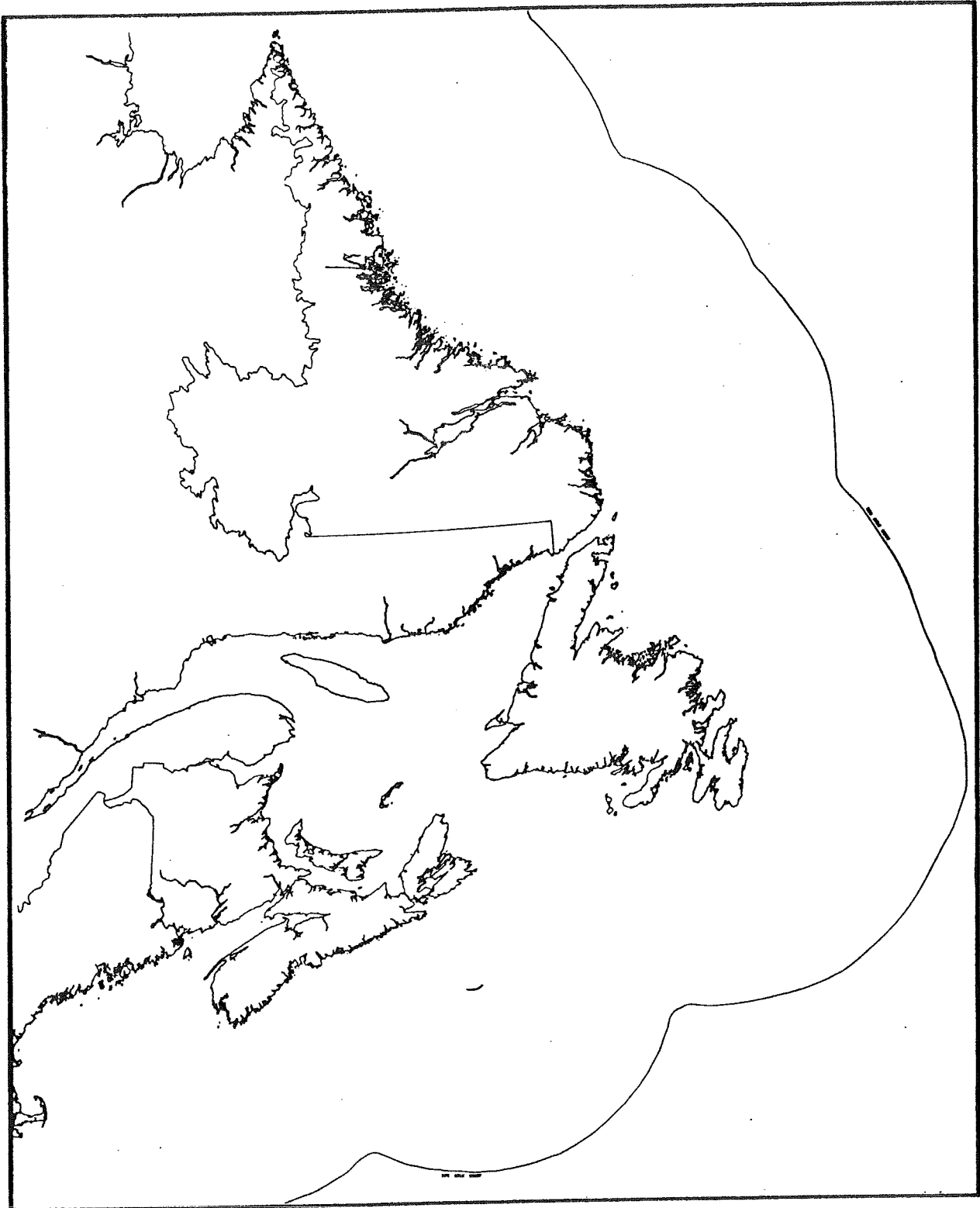


17. Signature: Verified

Date: August 31, 1992

1. **Database Title: Creel Censuses - National Parks**
2. **Contact Person:**
Chief, Natural Resources Conservation
Canadian Parks Service
Environment Canada
Historic Properties
Upper Water Street
Halifax, Nova Scotia B3J 1S9
Tel (902) 426-3401; Fax (902) 426-2728
3. **Purpose:**
To determine the health and relative abundance of game fish stocks in national parks. Data to help monitor angling activity in parks.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Region - rivers, lakes and streams within national parks
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1930s to present
Updated annually
8. **Format:**
Digital
Hard-copy
Micro-fiche
9. **Data Types/Parameters Measured:**
Biological: Fish distribution and abundance, catch per unit effort, disease or parasites in fish, length, weight
10. **Sampling Procedures:**
Standard field methods, angling records
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM compatibles
Operating system:
Software: dBASE III
15. **Comments:**
Most of the national parks have undertaken Creel Censuses - same methodology throughout. Data is gathered throughout the summer and updated at the end of the year. This includes contacting anglers for catch per unit of effort data.

16. Map indicating areas of data holdings:

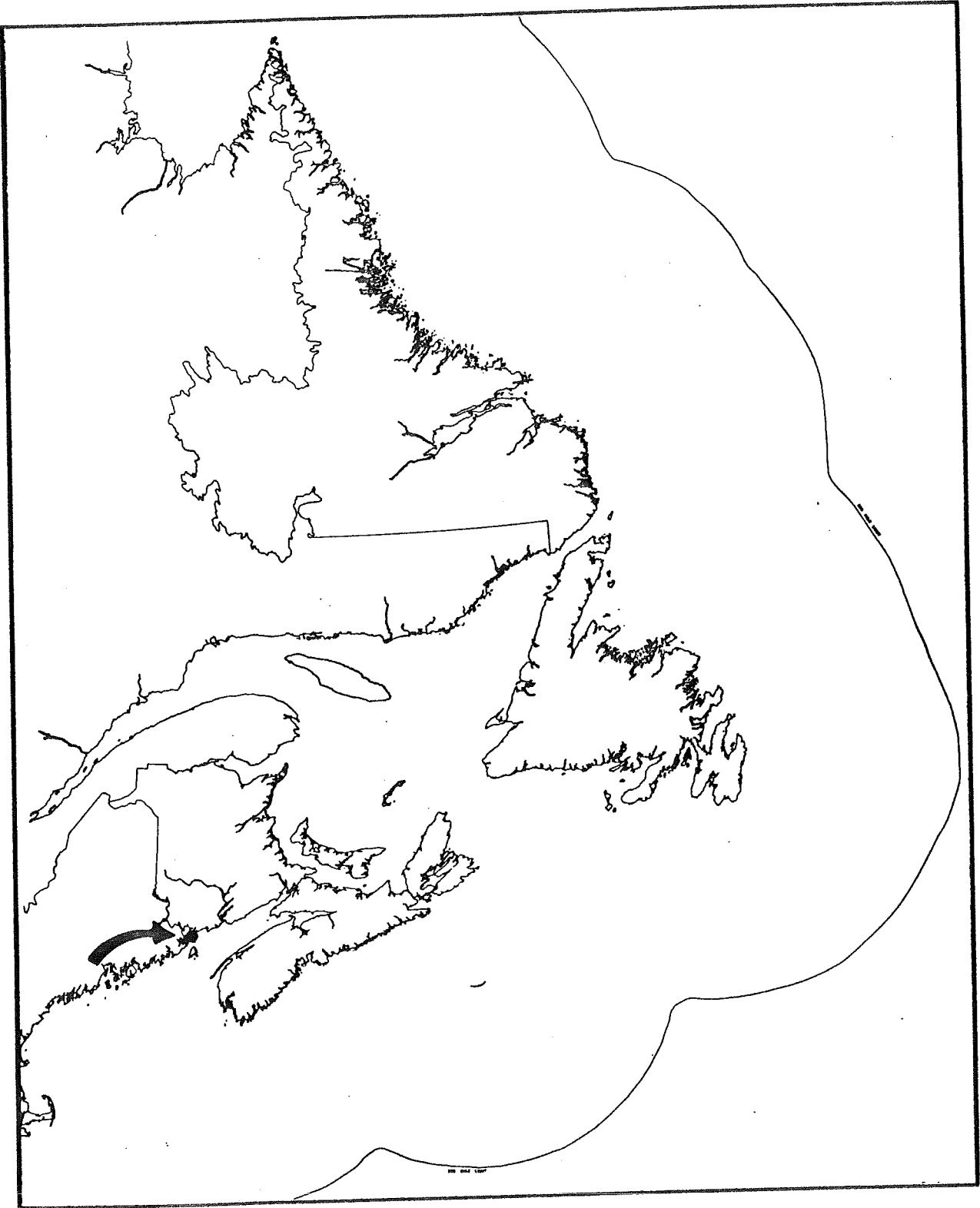


17. Signature: Not signed

Date:

1. **Database Title: Feasibility of West Isles National Marine Park**
2. **Contact Person:**
Doug Yurick
Canadian Parks Service
Environment Canada
25 Eddy Street
Hull, Québec K1A 0H3
Tel (819) 997-4910; Fax (819) 994-5140
3. **Purpose:**
Internal
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions:
5. **Geographical Coverage/Scale:**
West Isles area, southwest Bay of Fundy
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1983 to 1985
Updated in 1991
8. **Format:**
Hard-copy: Reports and maps
9. **Data Types/Parameters Measured:**
Parks, infrastructure, demographics and management
10. **Sampling Procedures:**
11. **Program Type:**
12. **Size/Growth:**
N/A
13. **Environmental Legislation relevant to this data:**
National Parks Act, Fisheries Act and Canada Shipping Act plus provincial fisheries and aquaculture legislation
14. **Computer System:**
N/A
15. **Comments:**
Canadian Parks Service also has baseline environmental reports for: east side Grand Manan, New Brunswick, Brier Island, Nova Scotia and Baie d'Espoir west to White Bear Bay, south coast of Newfoundland. Also have data review reports for Labrador coast, northeast Newfoundland coast and southern Gulf of St. Lawrence.

16. Map indicating areas of data holdings:

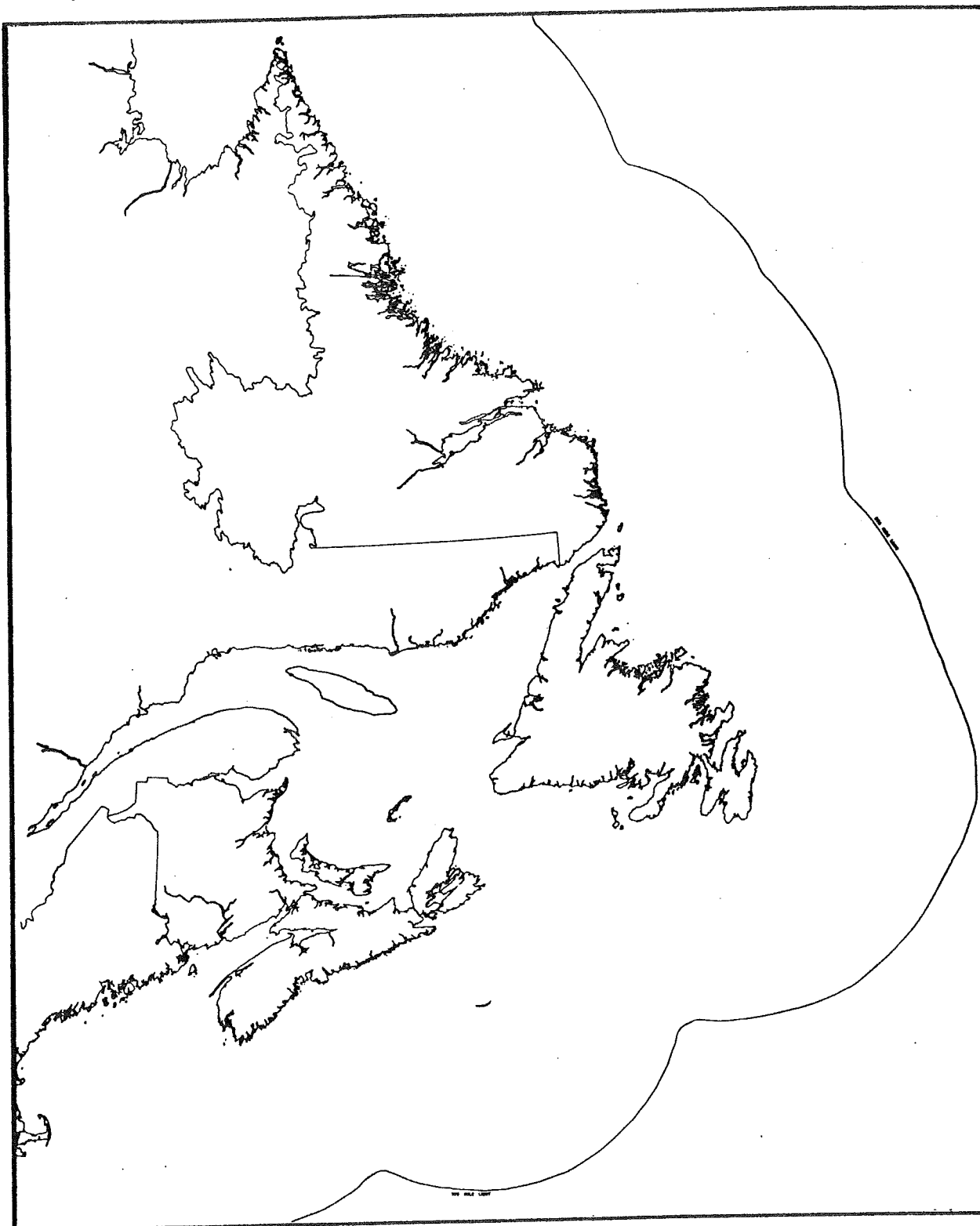


17. Signature: Verified

Date: June 24, 1992

1. **Database Title: Fish and Wildlife Surveys Within National Parks**
2. **Contact Person:**
Chief, Natural Resources Conservation
Canadian Parks Service
Environment Canada
Historic Properties
Upper Water Street
Halifax, Nova Scotia B3J 1S9
Tel (902) 426-3401; Fax (902) 426-2728
3. **Purpose:**
To gather fish and wildlife information as indices of environmental quality
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - fish and wildlife resources within national parks
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1930s to present
Updated annually
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Biological: Population and distribution of fish, birds, ungulates, reptiles and amphibians in national parks
10. **Sampling Procedures:**
Field observations, aerial surveys
11. **Program Type:**
Monitoring and surveys
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM
Operating system:
Software: dBASE III, Lotus 123, SPANS
15. **Comments:**
Ongoing monitoring and occasional surveys to determine the health of park ecosystems. Studies include: fish populations, browse surveys, track surveys in winter, aerial ungulate surveys, breeding birds, rare or endangered species, beach surveys. Data is being computerized with existing land use data on SPANS. This will allow the generation of computer maps to determine spatial distributions.

16. Map indicating areas of data holdings:

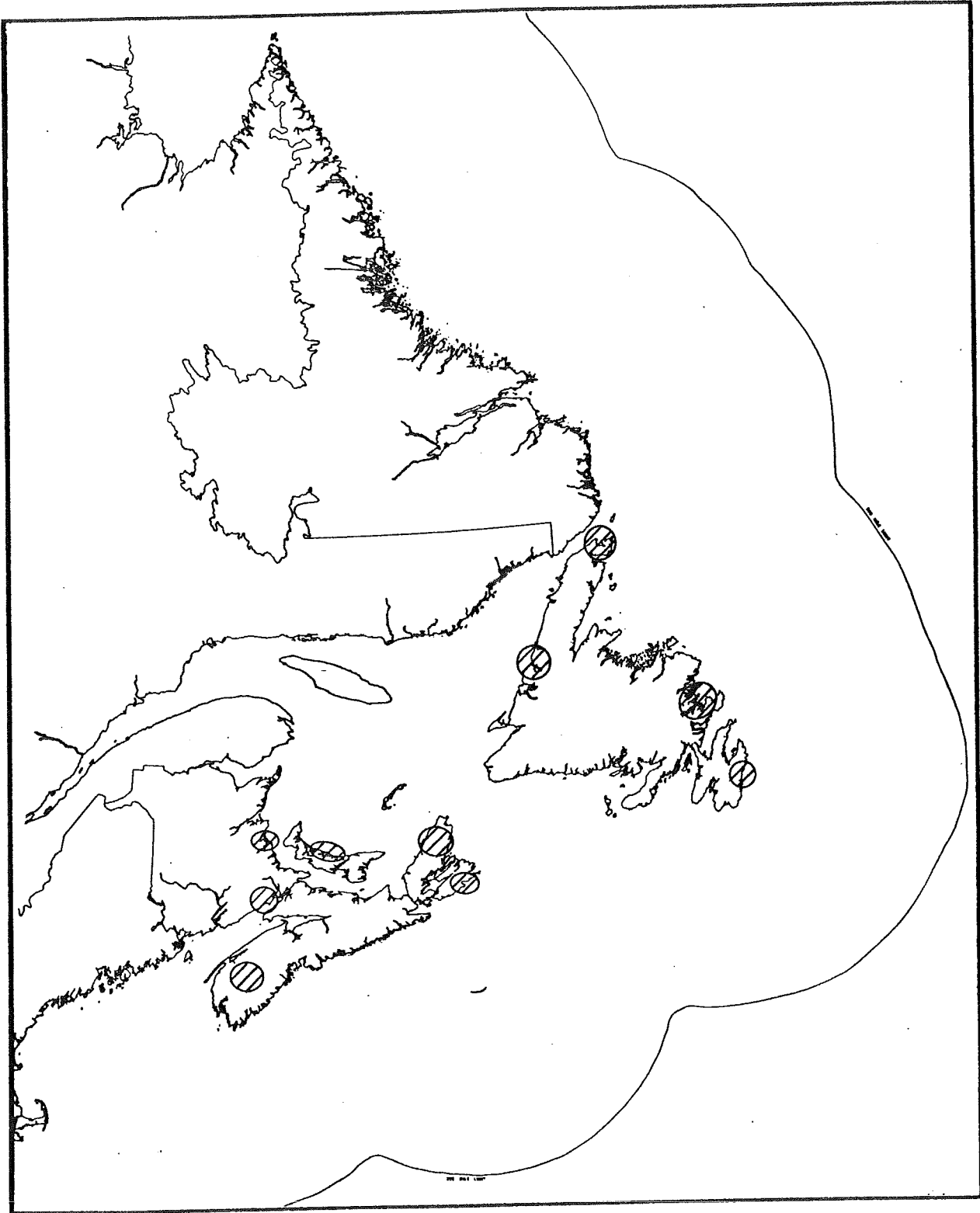


17. Signature: Not signed

Date:

1. **Database Title: National Park/National Historic Site Ecological/Biophysical Inventories Databases**
2. **Contact Person:**
Chief, Natural Resources Conservation - Atlantic Region
Canadian Parks Service
Environment Canada
Historic Properties, Upper Water Street
Halifax, Nova Scotia B3J 1S8
Tel (902) 426-3401; Fax (902) 426-2728
3. **Purpose:**
To record biophysical data for national park planning and management purposes, and to provide baseline data for monitoring purposes
4. **Access/Fees/Restrictions:**
Access: Through contact person; Fees: May be cost recovery; Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Region National Parks and national Historic Sites: Cape Breton Highlands, Kejimikujik, Fortress of Louisbourg, Prince Edward Island, Gros Morne, Fundy, Kouchibouguac, Port au Choix, L'Anse aux Meadows
6. **Geographical Referencing:**
Latitude/Longitude; Modified Transverse Mercator and Universal Transverse mercator Projections
7. **Period of Record/Update Frequency:**
1970s to present; updated periodically
8. **Format:**
Digital: SPANS format; Hard-copy: Catalogue of maps
9. **Data Types/Parameters Measured:**
Biological: Vegetation cover, wildlife surveys
Physical: Soils, hydrology, geomorphological features, climate
10. **Sampling Procedures:**
Air photo analysis, ground truthing, biophysical surveys, literature reviews, resource studies
11. **Program Type:**
Monitoring, survey and research
12. **Size/Growth:**
Varies with database - 1700 to 7000 polygons with up to 35 fields of information
13. **Environmental Legislation relevant to this data:**
National Parks Act
14. **Computer System:**
Host computer:
Operating system: OS/2, MS DOS 3.3 to 5.0
Software: SPANS, CANSIS, CLDS
15. **Comments:** *any additional information*
Data available on: fish, reptiles and amphibians, birds, mammals, invertebrates, water quality, vegetation, archaeology and human history, climate, socio-economics. visitor survey data and infrastructure

16. Map Indicating areas of data holdings:

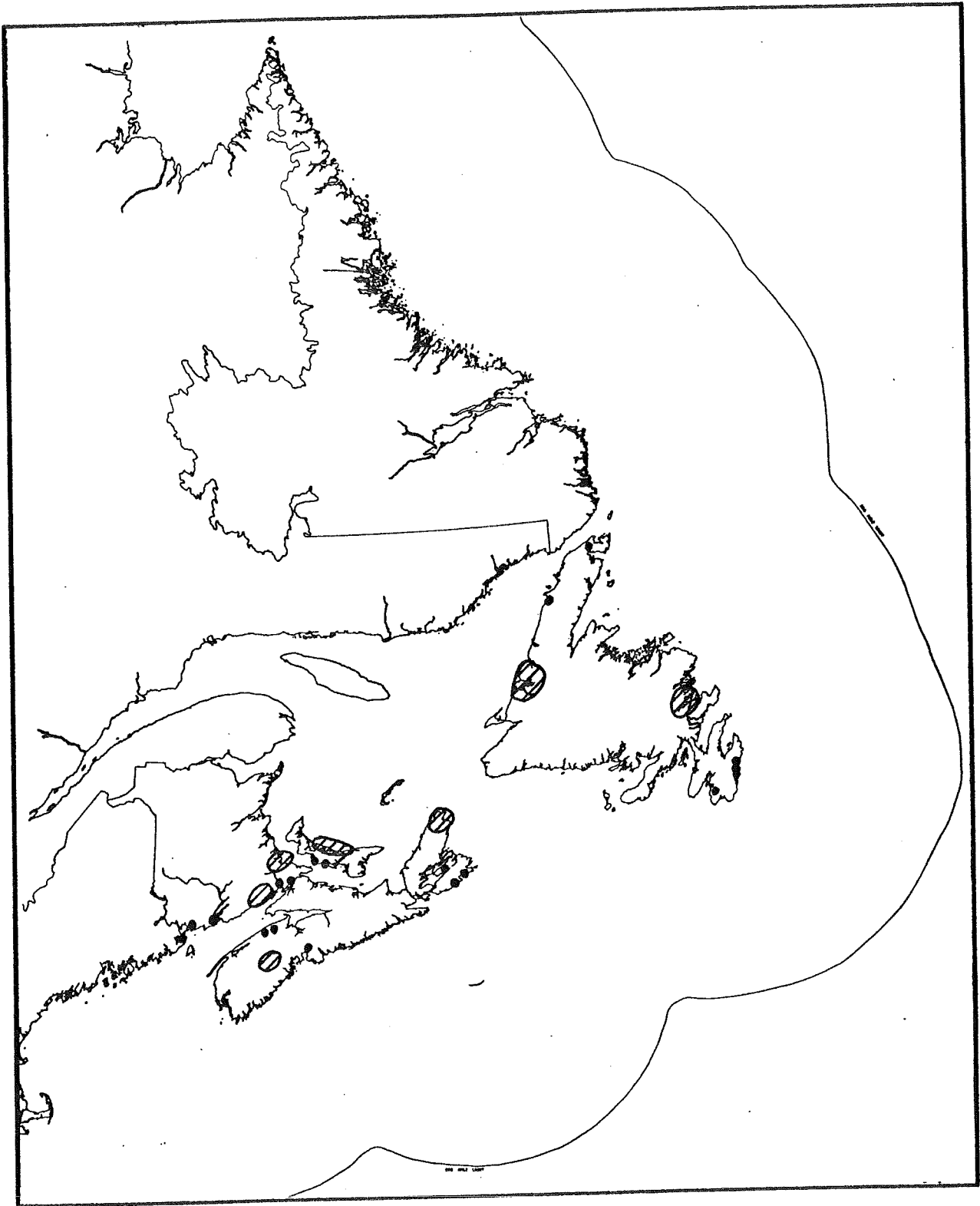


17. Signature: Verified

Date: September 10, 1992

1. **Database Title: Public Use Database**
2. **Contact Person:**
Dick Stanley
Socio-Economic Branch
Canadian Parks Service
Environment Canada
Ottawa, Ontario K1A 0H3
Tel (819) 997-6605; Fax (819) 953-6896
3. **Purpose:**
To provide information on the public use of Canadian Parks Service sites for management purposes
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
National
6. **Geographical Referencing:**
None
7. **Period of Record/Update Frequency:**
Seasonal-continuous
Updated monthly
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Socio-economic: Visits, number of entries, number of vehicles, number of persons, person-nights, party-nights, visit-days, visit-hours
Campground utilization: Party-nights, person nights of camping
10. **Sampling Procedures:**
Data obtained from traffic and pedestrian counters, camping permits, and observations
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Annual growth of 20,000 records
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: AST PREMIUM 286, Hayes Smart modem 2400, HP Laserjet Series II
Operating system:
Software: SAS/PC, Wylbur, WordPerfect 5.1, Harvard Graphics
15. **Comments:**

16. Map indicating areas of data holdings:



17. Signature: Verified

Date: June 18, 1992

**ATLANTIC
COASTAL ZONE
DATABASE DIRECTORY**

Transport Canada

**Version 1.0
October 1992**

The Atlantic Coastal Zone Database Directory is published by the Atlantic Coastal Zone Information Steering Committee (ACZISC).

The Canadian Coast Guard is in the process of establishing a number of databases for its various programs affecting the coastal zone of Nova Scotia, New Brunswick, Prince Edward Island and Iles de la Madeleine. This portion of the Directory comprises the Canadian Coast Guard's component. It contains information relative to the Aids to Navigation and the Navigable Waters Protection programs. The information contained is the initial inventory; it will be updated as permanent changes are made and other databases are added.

For more detailed information on specific Canadian Coast Guard databases, please feel free to communicate with the contact persons identified on the inventory sheets. For general information, contact:

D. Smith
Regional Aids Superintendent
Canadian Coast Guard
Transport Canada
PO Box 1000
46 Portland Street
Dartmouth, Nova Scotia
Canada B2Y 4K2

Tel (902) 426-3151
Fax (902) 426-6501

ATLANTIC COASTAL ZONE DATABASE DIRECTORY

TRANSPORT CANADA

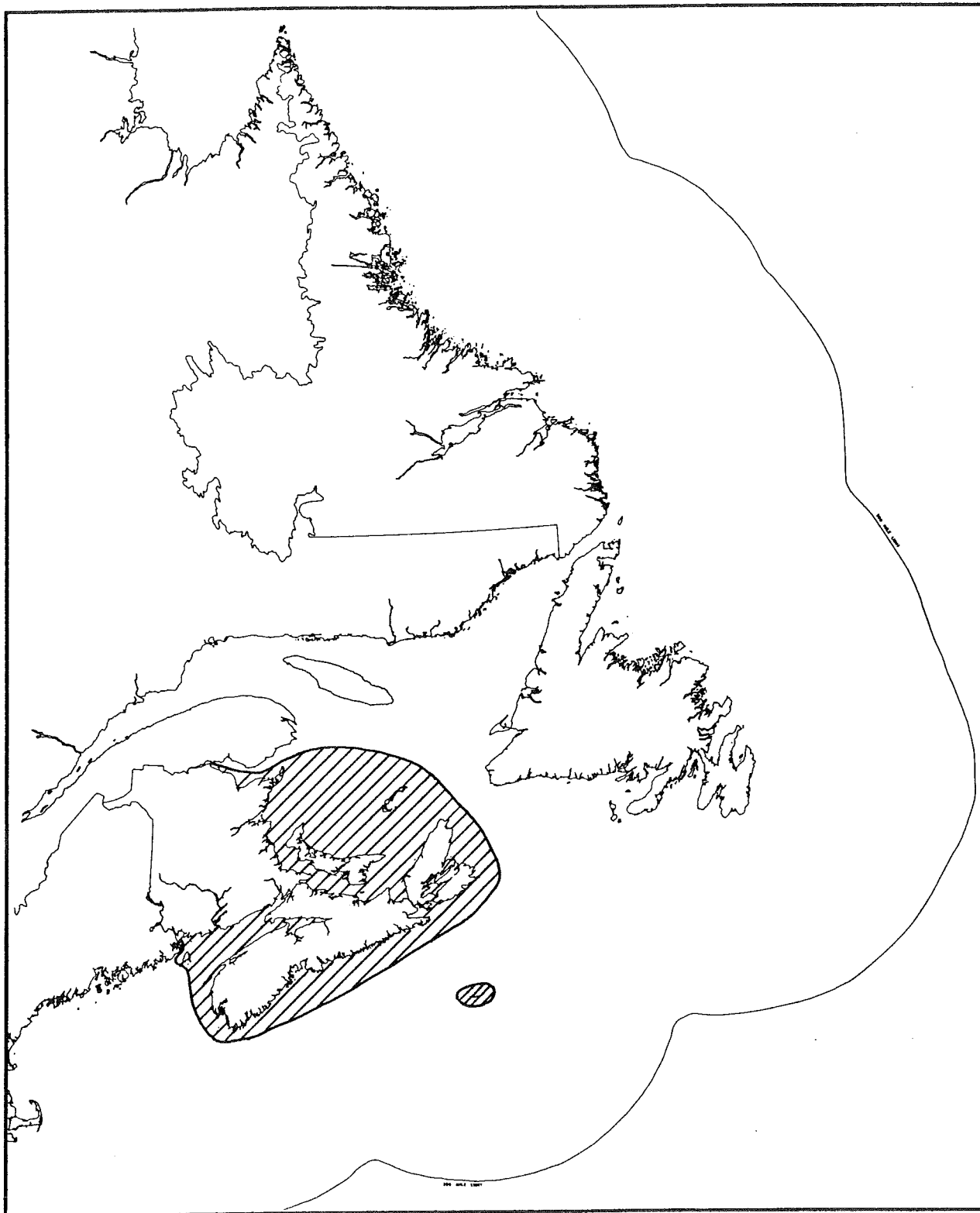
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1. **Database Title: NAVAID**
2. **Contact Person:**
D. Smith
Canadian Coast Guard
PO Box 1000
Dartmouth, Nova Scotia B2Y 3Z8
Tel (902) 426-3151; Fax (902) 426-6501
3. **Purpose:**
To provide a complete record of Aids to Navigation in Nova Scotia, New Brunswick, Prince Edward Island and Iles de la Madeleine
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Browse only
5. **Geographical Coverage/Scale:**
Bay of Fundy, Atlantic Coast and Gulf of St. Lawrence
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Updated daily
8. **Format:**
Hard-copy: List of lights and fog signals
9. **Data Types/Parameters Measured:**
Type of Aid to Navigation, physical description, power source, range, operation parameters
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Approximately 7500 Aids to Navigation
13. **Environmental Legislation relevant to this data:**
N/A
14. **Computer System:**
Host computer: NEC MULTI SYNC 3D
Operating system: Q NIX
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

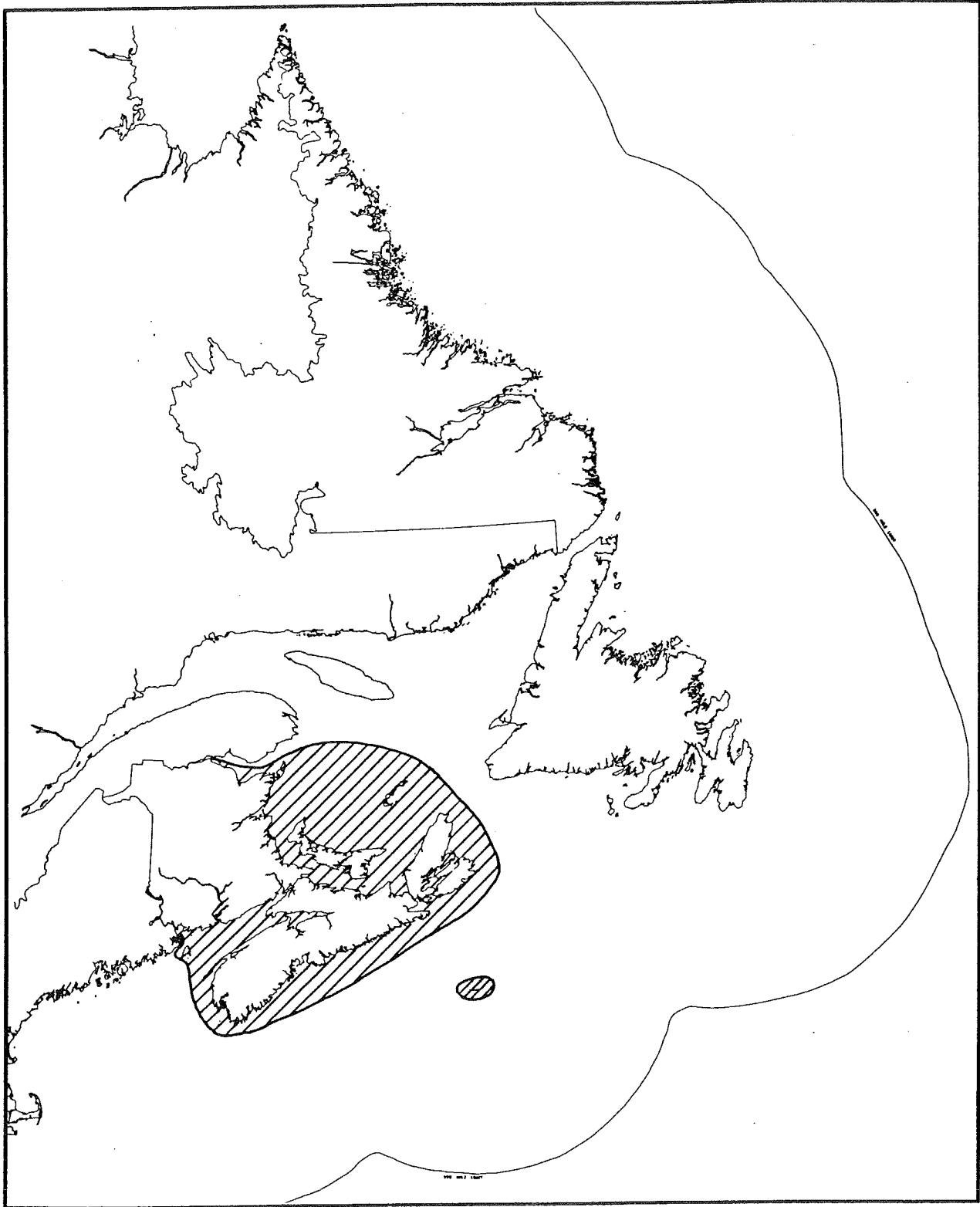


17. Signature: Verified

Date: September 1, 1992

1. **Database Title: NWDS**
2. **Contact Person:**
Melinda Hubley
Canadian Coast Guard
PO Box 1000
Dartmouth, Nova Scotia B2Y 3Z8
Tel (902) 426-2726; Fax (902) 426-6501
3. **Purpose:**
To provide information on works constructed or placed in Navigable Waters
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Maritime Provinces and Iles de la Madeleine
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Updated as required
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Type of work, location, size, status of approval, most recent changes. Works include aquaculture, structures, pipelines, bridges and cable crossings.
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Monitoring and approval
12. **Size/Growth:**
1800 files
13. **Environmental Legislation relevant to this data:**
Navigable Waters Protection Act
Canadian Environmental Protection Act
14. **Computer System:**
Host computer: Olivetti MS 280
Operating system: MS DOS
Software:
15. **Comments:**

16. Map indicating areas of data holdings:



17. Signature: Verified

Date: September 1, 1992

**ATLANTIC
COASTAL ZONE
DATABASE DIRECTORY**

***Energy, Mines and
Resources Canada***

**Version 1.0
October 1992**

The Atlantic Coastal Zone Database Directory is published by the Atlantic Coastal Zone Information Steering Committee (ACZISC). This portion of the Directory comprises Energy, Mines and Resources Canada's component of the Directory and represents the most up-to-date inventory of the federal Department's databases relevant to the Atlantic coastal zone, with the exception of topographic data from the Department's Surveys, Mapping and Remote Sensing Sector. Comprehensive indices of these data are published by the Sector so they are not included in Version 1.0 of this Directory. For more information on the Sector's 1:50 000 and 1:250 000 topographic data, contact: Product and Services Division, Surveys, Mapping and Remote Sensing Sector, Department of Energy, Mines and Resources, 615 Booth Street, Ottawa, Ontario K1A 0E9 - Fax (613) 995-6001.

For more detailed information on specific Energy, Mines and Resources Canada databases, please feel free to communicate with the contact persons identified on the inventory sheets. For general information on the Department's database inventory and the Department's role on the ACZISC, please contact:

Andrew Sherin
Geoscience Data Systems Manager
Atlantic Geoscience Centre
Geological Survey of Canada
Energy, Mines and Resources Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia
Canada B2Y 4A2

Tel (902) 426-7582
Fax (902) 426-6186

ATLANTIC COASTAL ZONE DATABASE DIRECTORY

ENERGY, MINES AND RESOURCES CANADA

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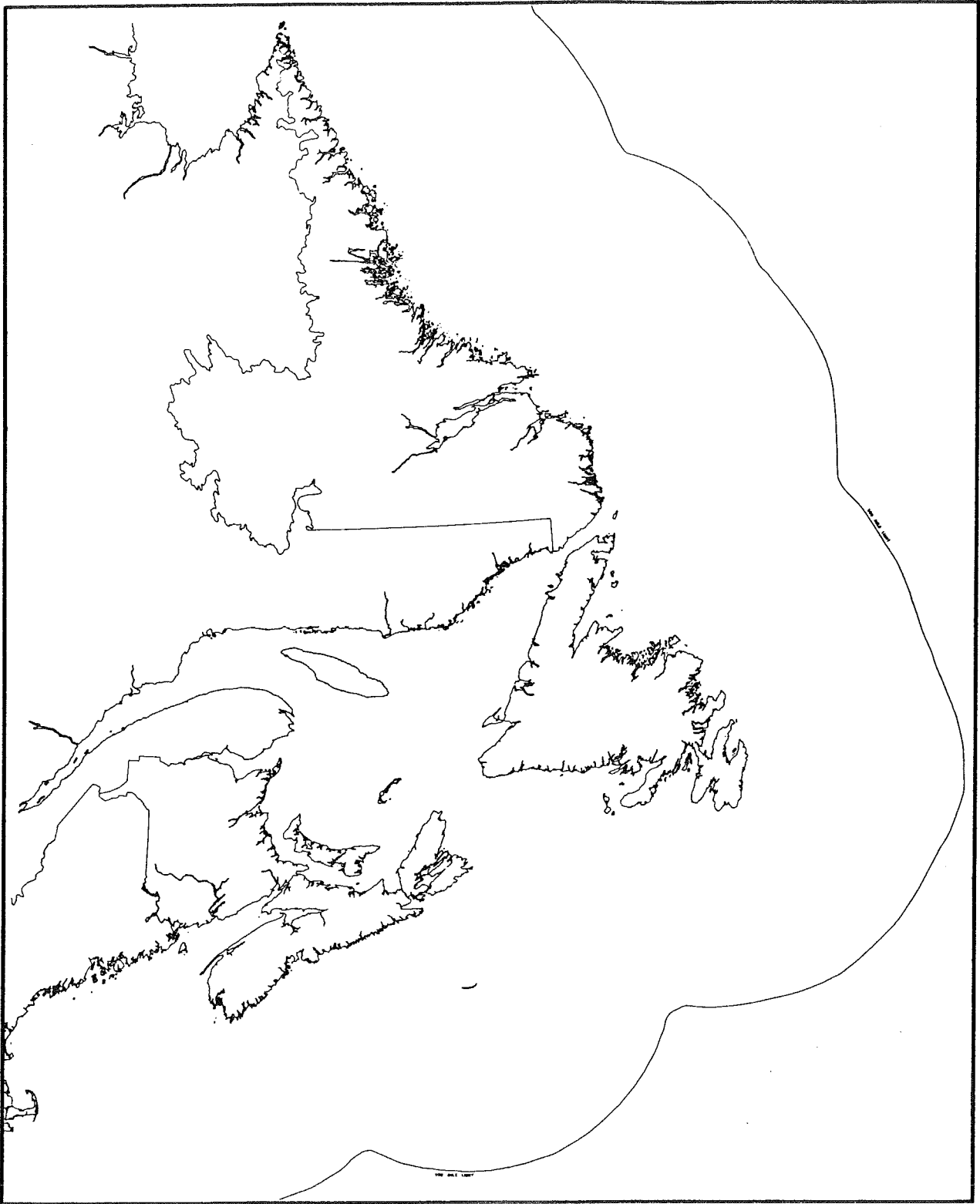
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1. **Database Title: Coastal Information System**
2. **Contact Person:**
Bob Taylor and Don Forbes
Energy, Mines and Resources Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-7736
3. **Purpose:**
To provide a central storage of geomorphological information for research and advice to other agencies
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Variable; costs negotiated on individual basis for larger orders
Restrictions: None
5. **Geographical Coverage/Scale:**
Beaufort Sea, Southeast Newfoundland, Eastern Shore of Nova Scotia
6. **Geographical Referencing:**
Line segment positioned with latitude and longitude at centre
7. **Period of Record/Update Frequency:**
1981 to present
Variable update frequency
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical: Geological description of geomorphological features, shore zone morphology, types of material, survey and sample data
10. **Sampling Procedures:**
Air photos and video, ground surveys, nearshore surveys, and sediment sampling
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
Not available
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer: CYBER
Operating system: NOS/VE
Software: In transition to Oracle
15. **Comments:**
Information used for a variety of purposes including coastal classification and inventory, coastal stability assessment, evaluation of constraints to development and coastal hazard identification

16. Map Indicating areas of data holdings:

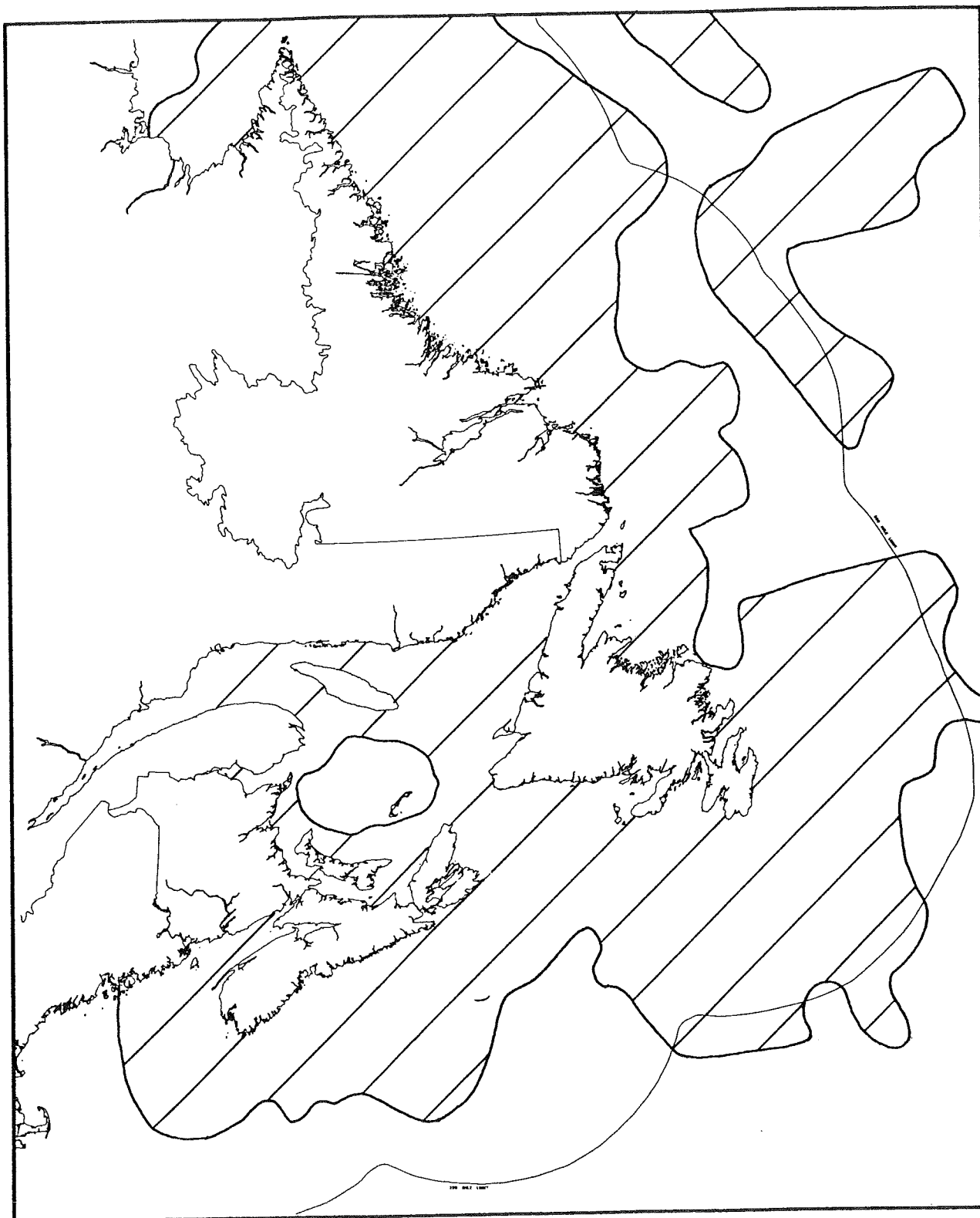


17. Signature: Not signed

Date:

1. **Database Title: SID (Sample Information Database)**
2. **Contact Person:**
I.A. Hardy
Energy, Mines and Resources Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-6127
3. **Purpose:**
To compile site-specific information and subsequent subsample analyses for marine geological samples collected by Geological Survey of Canada/Atlantic Geoscience Centre officials
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Depends on the size of the request
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - marine areas
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
1962 to present
Updated daily
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical: Geological
10. **Sampling Procedures:**
Core, dredge and grab samples from survey vessels
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
25,000 records, updated upon completion of cruise
Annual growth rate not available
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer: DEC 5400
Operating system: ULTRIX
Software: Oracle
15. **Comments:**
Site specific information is acquired in the field with dBASE III+ and is downloaded to SID upon cruise termination.

16. Map Indicating areas of data holdings:

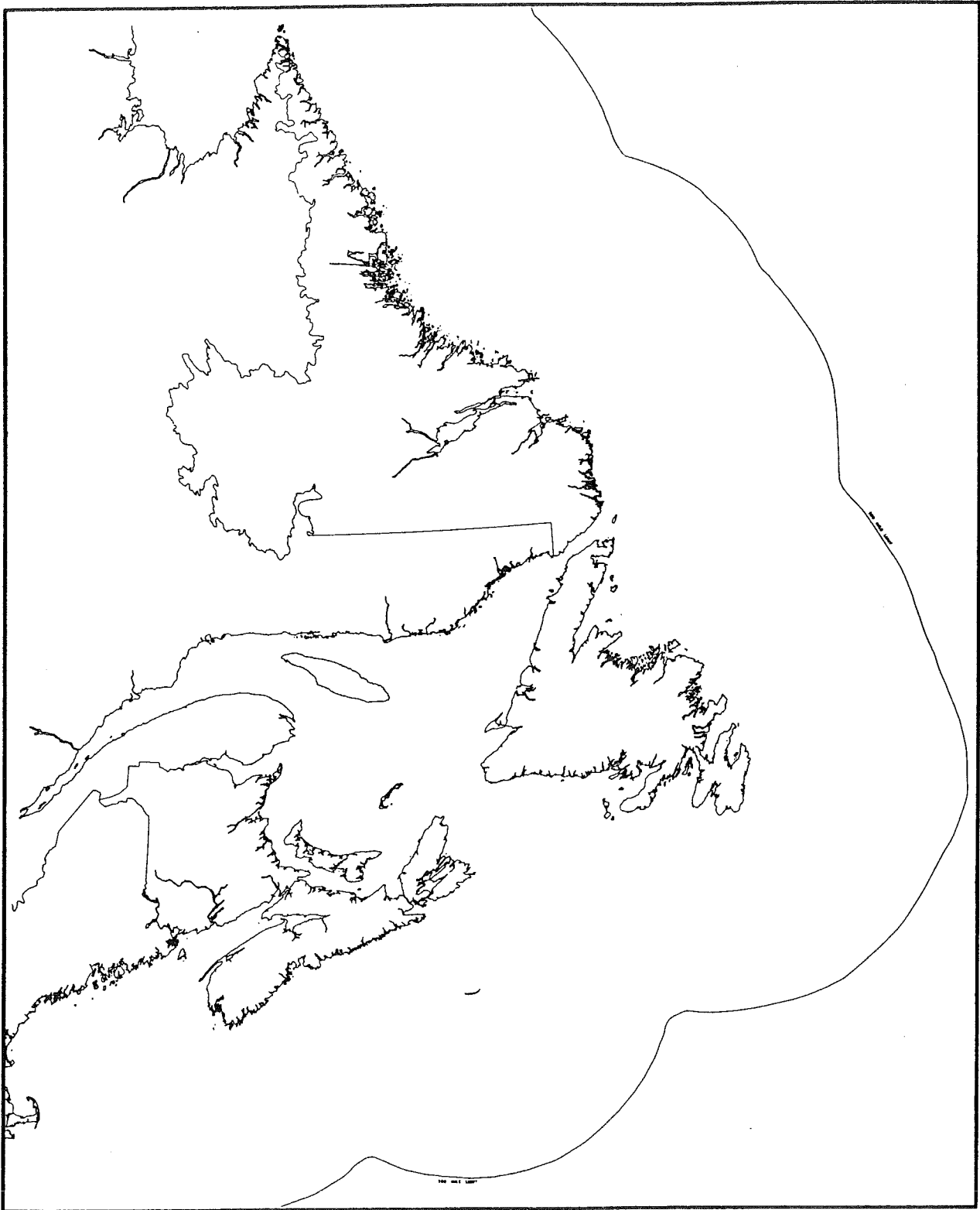


17. Signature: Not signed

Date:

1. **Database Title: SAD (Sample Analysis Database)**
2. **Contact Person:**
I.A. Hardy
Energy, Mines and Resources Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-6127 or 426-8319
3. **Purpose:**
To digitize all sediment size analyses performed on Atlantic Canada Geoscience Centre holdings
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Depends on size of request
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - marine sediments
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
1962 to present
Variable update frequency
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical: Sediment grain size analysis
10. **Sampling Procedures:**
Cores, boreholes and grabs
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
More than 15,000 records
Growth of 13-2000 records per year
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer: IBM PC
Operating system: MS DOS
Software: dBASE III
15. **Comments:**
The database will be transferred to the Oracle database management package in the near future.

16. Map Indicating areas of data holdings:

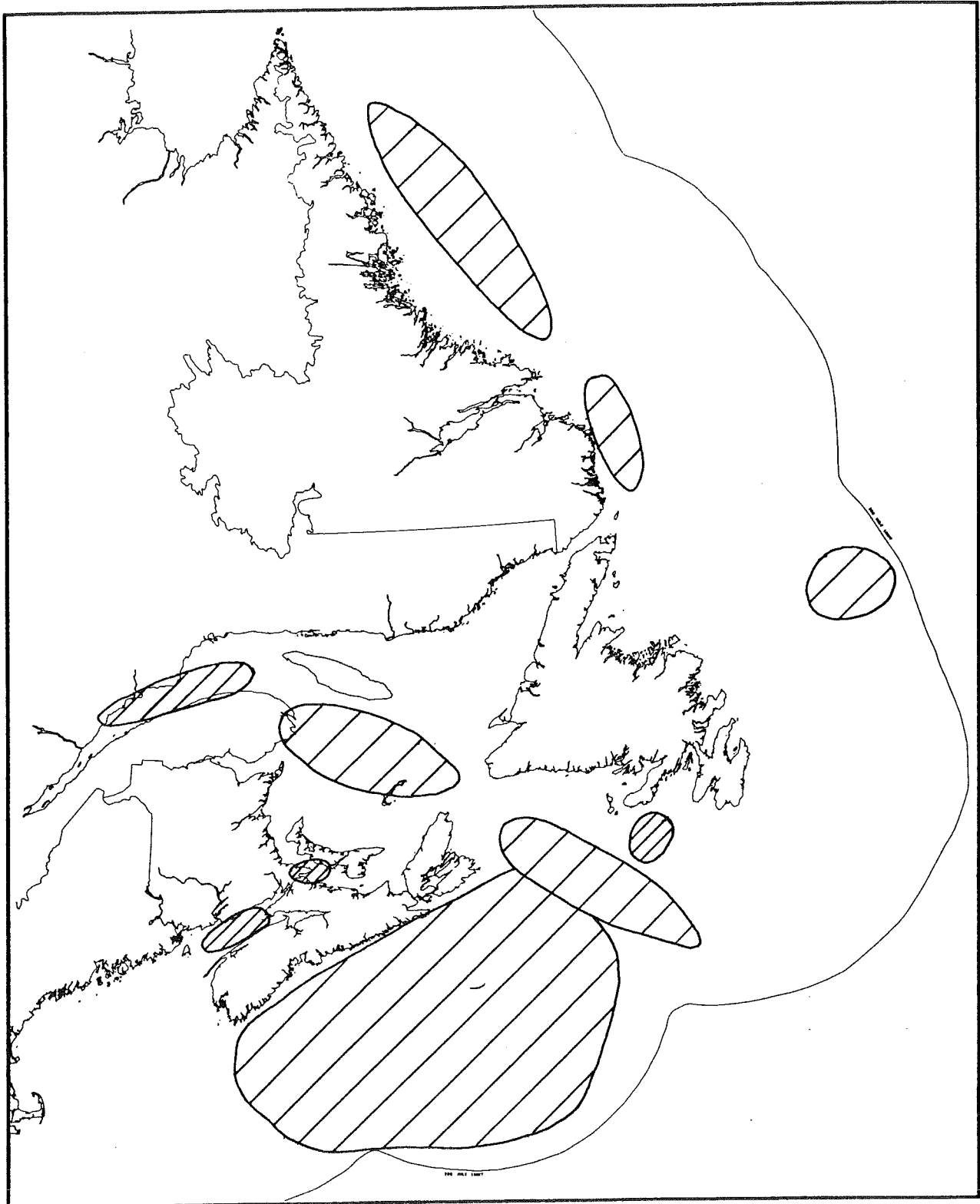


17. Signature: Not signed

Date:

1. **Database Title: Geotechnical Database**
2. **Contact Person:**
Kate Moran and Harold Christian
Energy, Mines and Resources Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-8159, (902) 426-3149; Fax (902) 426-4104
E-mail KMORAN@AC.DAL.CA
3. **Purpose:**
Information on geotechnical and physical properties of marine sediments
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Variable
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - nearshore and offshore areas, Labrador Shelf, Beaufort Sea and Arctic Island Channels
6. **Geographical Referencing:**
UTM
7. **Period of Record/Update Frequency:**
1985 to present
Updated twice per year
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical: Geotechnical parameters related to sediment grain size, density, strength, compressibility, acoustic velocity, colour, and magnetic susceptibility
10. **Sampling Procedures:**
Piston cores, borehole samples and in situ tests
11. **Program Type:**
Research, mapping and survey
12. **Size/Growth:**
 1×10^5
3 to 10% annual growth
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM
Operating system:
Software: dBASE III
15. **Comments:**

16. Map Indicating areas of data holdings:

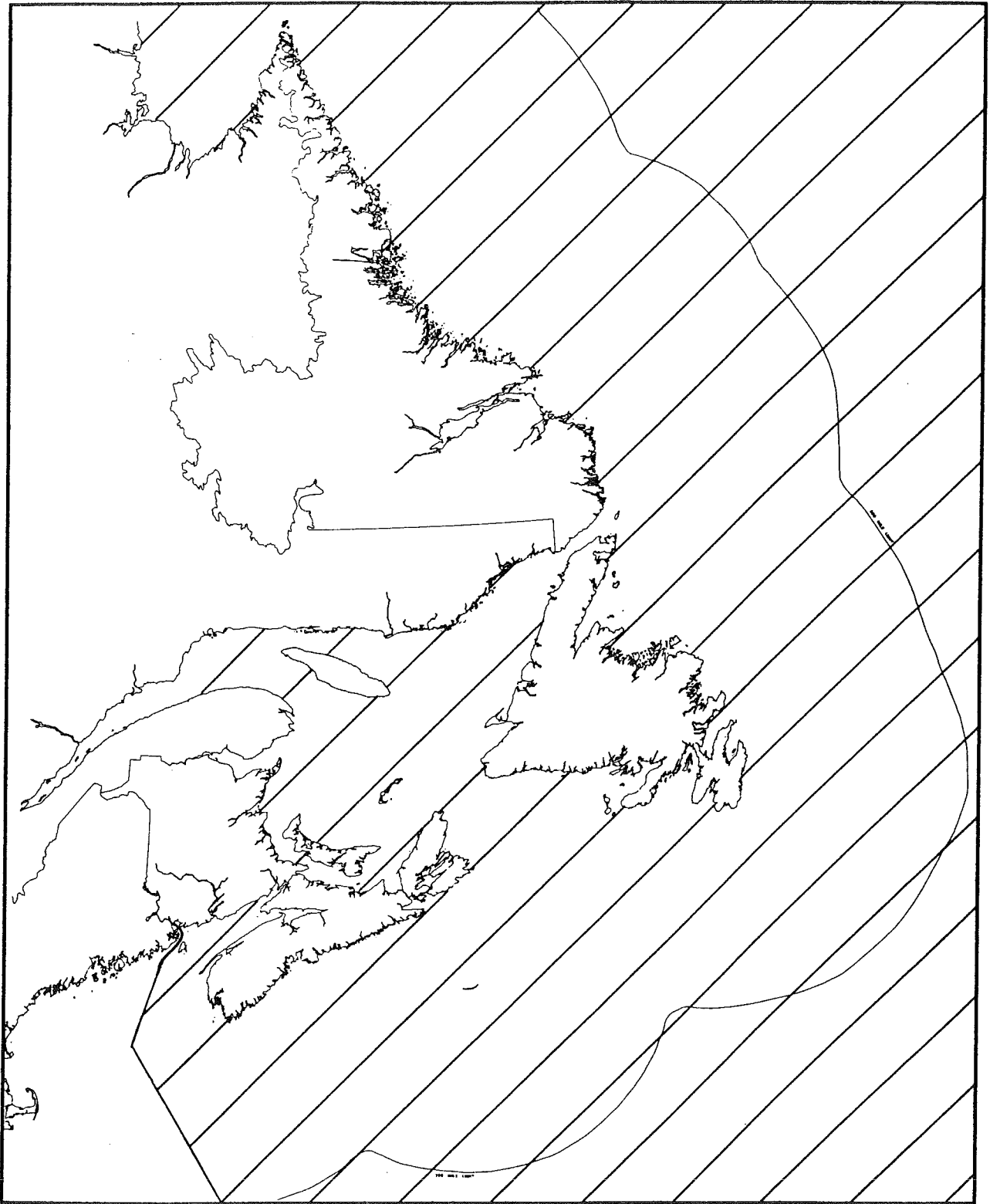


17. Signature: Verified

Date: June 5, 1992

1. **Database Title: Multiparameter Database**
2. **Contact Person:**
Darrell Beaver
Data Base Administrator
Energy, Mines and Resources Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-8295; Fax (902) 426-6186
3. **Purpose:**
Navigation data and geophysical instrument deployment status for under way ship surveys
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Variable; costs negotiated on individual basis for larger orders
Restrictions: None
5. **Geographical Coverage/Scale:**
Offshore Eastern Canada, Arctic, selected international areas
Scale independent
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
1961 to present; updated as new surveys completed
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Ship name, staff, equipment, latitude, longitude, julian day, UTC, geophysical equipment status
10. **Sampling Procedures:**
Various navigation types from dead reckoning to differential GPS
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
Data from 260 cruises
10% Annual growth
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer: DEC 5400
Operating system: ULTRIX
Software: Oracle
15. **Comments:**
Information used for a variety of purposes including coastal classification and inventory, coastal stability assessment, evaluation of constraints to development and coastal hazard identification.

16. Map Indicating areas of data holdings:

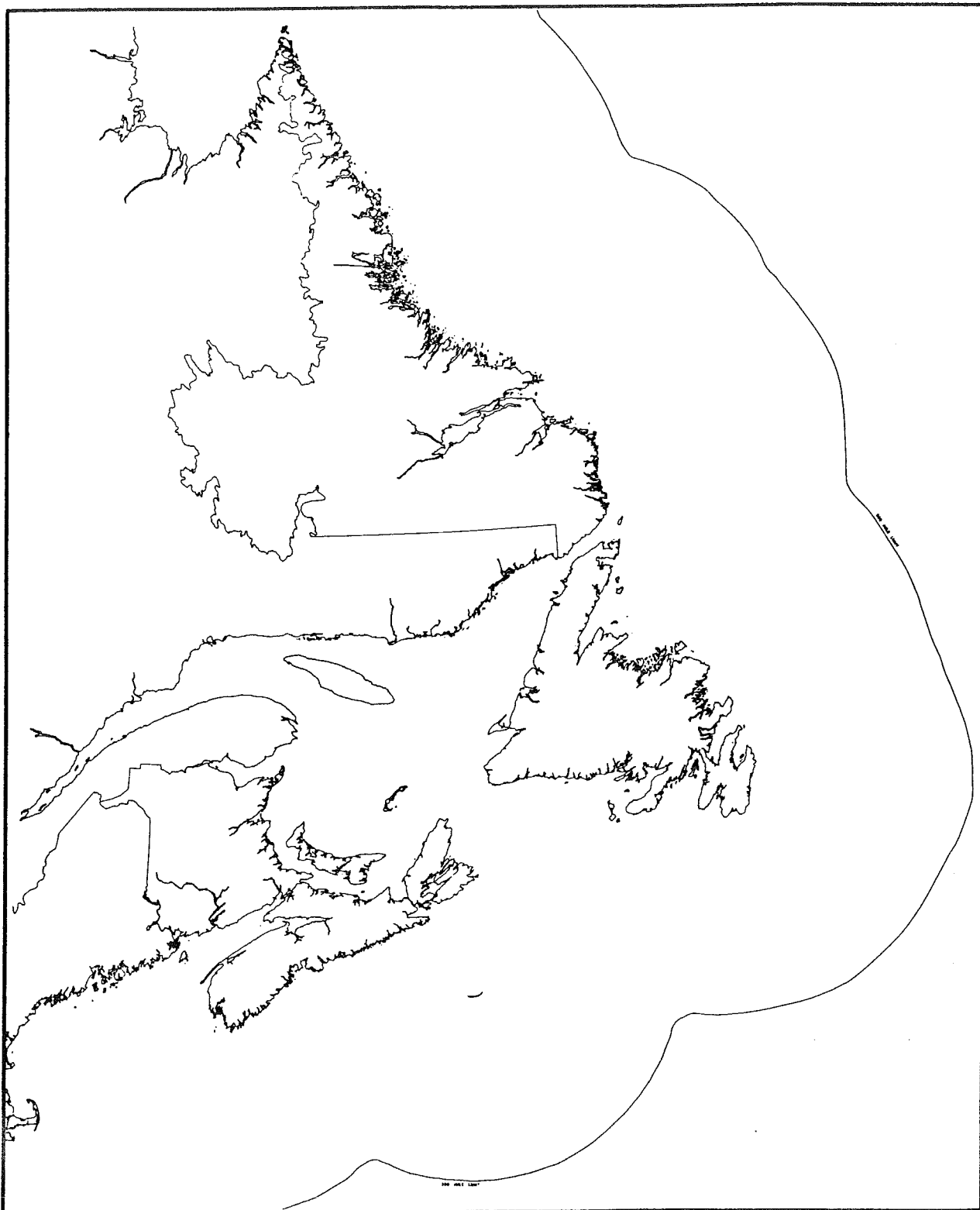


17. Signature: Not signed

Date:

1. **Database Title: Geochemistry Data Base**
2. **Contact Person:**
Gary Winters
Energy, Mines and Resources Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-7733; Fax (902) 426-4104
3. **Purpose:**
Geochemical analyses of sediment pore water and sediment samples
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Variable; costs negotiated on individual basis for larger orders
Restrictions: None
5. **Geographical Coverage/Scale:**
Offshore Eastern Canada, Halifax Harbour, Strait of Canso, Miramichi Estuary, Gulf of St. Lawrence, deep ocean
Scale independent
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
1976 to present
Updated as new analyses completed
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Nutrients, trace metals, organic carbon, total carbon, grain size
10. **Sampling Procedures:**
Samples analyzed are from grab and core samples taken from geological survey cruises.
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
Not available
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer: IBM PC
Operating system: MS DOS
Software: Oracle and SPSS
15. **Comments:**

16. Map Indicating areas of data holdings:

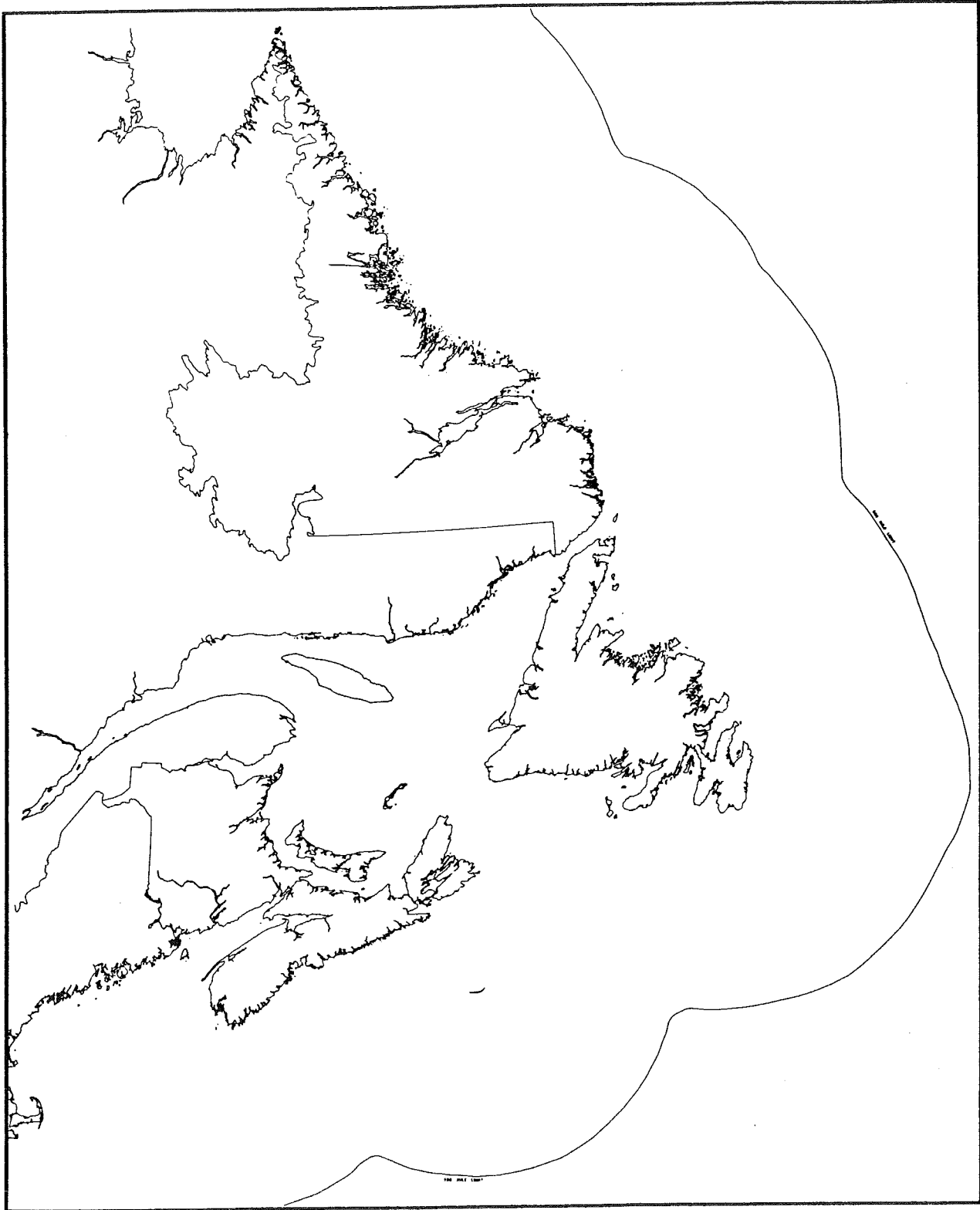


17. Signature: Not signed

Date:

1. **Database Title:** AGC/ESRF East Coast Ice Scour Database
2. **Contact Person:**
Gary Sonnichsen
Energy, Mines and Resources Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-7733; Fax (902) 426-4104
3. **Purpose:**
Regional database containing measured and described parameters of ice scour features on the seabed
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Variable; costs negotiated on individual basis for larger orders
Restrictions: Some third party data
5. **Geographical Coverage/Scale:**
East Coast continental shelves north to Lancaster Sound
Scale independent
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
1976 to 1985
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Scour position, scour form, scour depth, scour length
10. **Sampling Procedures:**
Interpretations of sidescan and high resolution seismic profile data
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
Not available
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer: DEC 5400 and IBM PC
Operating system: ULTRIX and MS DOS
Software: Oracle and SPANS
15. **Comments:**

16. Map Indicating areas of data holdings:

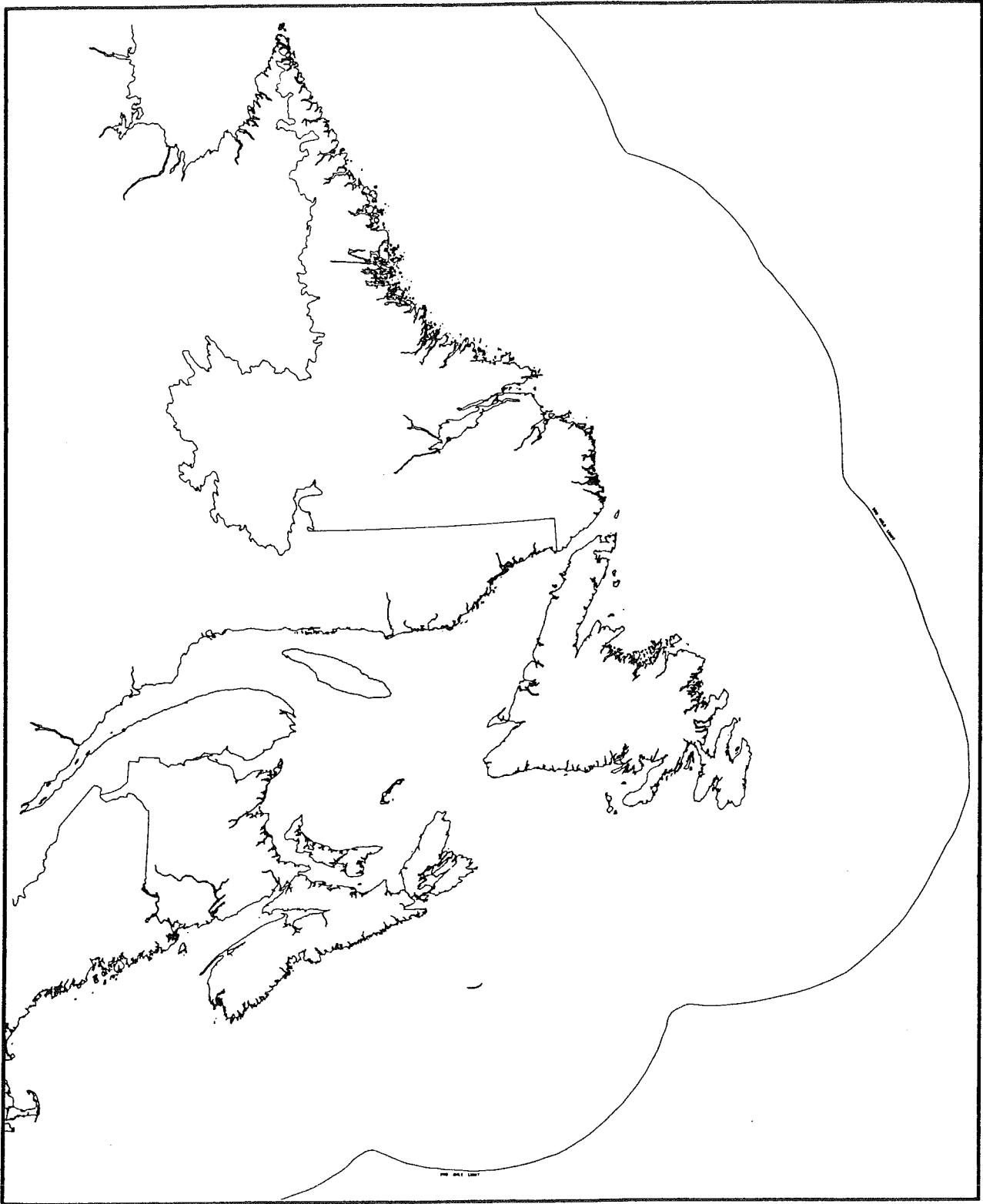


17. Signature: Not signed

Date:

1. **Database Title: East Coast Basin Atlas Files**
2. **Contact Person:**
Phil Moir
Energy, Mines and Resources Canada
Bedford Institute of Oceanography
PO Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel (902) 426-7733; Fax (902) 426-4104
3. **Purpose:**
Digital cartographic information used to produce East Coast Basin Atlases
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Variable; costs negotiated on individual basis for larger orders
Restrictions: None
5. **Geographical Coverage/Scale:**
Labrador Sea, Scotian Shelf (published); Grand Banks (in preparation)
Scale 1:1 000 000 - 1:2 000 000
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
1988 to present
8. **Format:**
Digital: Partial
Hard-copy: Published atlases and individual map sheets
9. **Data Types/Parameters Measured:**
Biostratigraphy and maturation data; bathymetry and physiographic features; crustal stresses, earthquakes and crustal thickness; seismic expression; surficial geology and physical properties; lithostratigraphy; Nova Scotian margin crustal transect; structure and isopach; bedrock geology; magnetic anomaly; gravity anomaly; plate reconstructions; coastal geology, case studies; coastal geology; oil and gas occurrences and geochemistry; well locations.
10. **Sampling Procedures:**
Geological and geophysical interpretations
11. **Program Type:**
Regional synthesis geoscience mapping
12. **Size/Growth:**
2 atlases published, 1 in preparation
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer: Sunsparc 1+
Operating system: SUNOS
Software: CARIS
15. **Comments:**

16. Map indicating areas of data holdings:

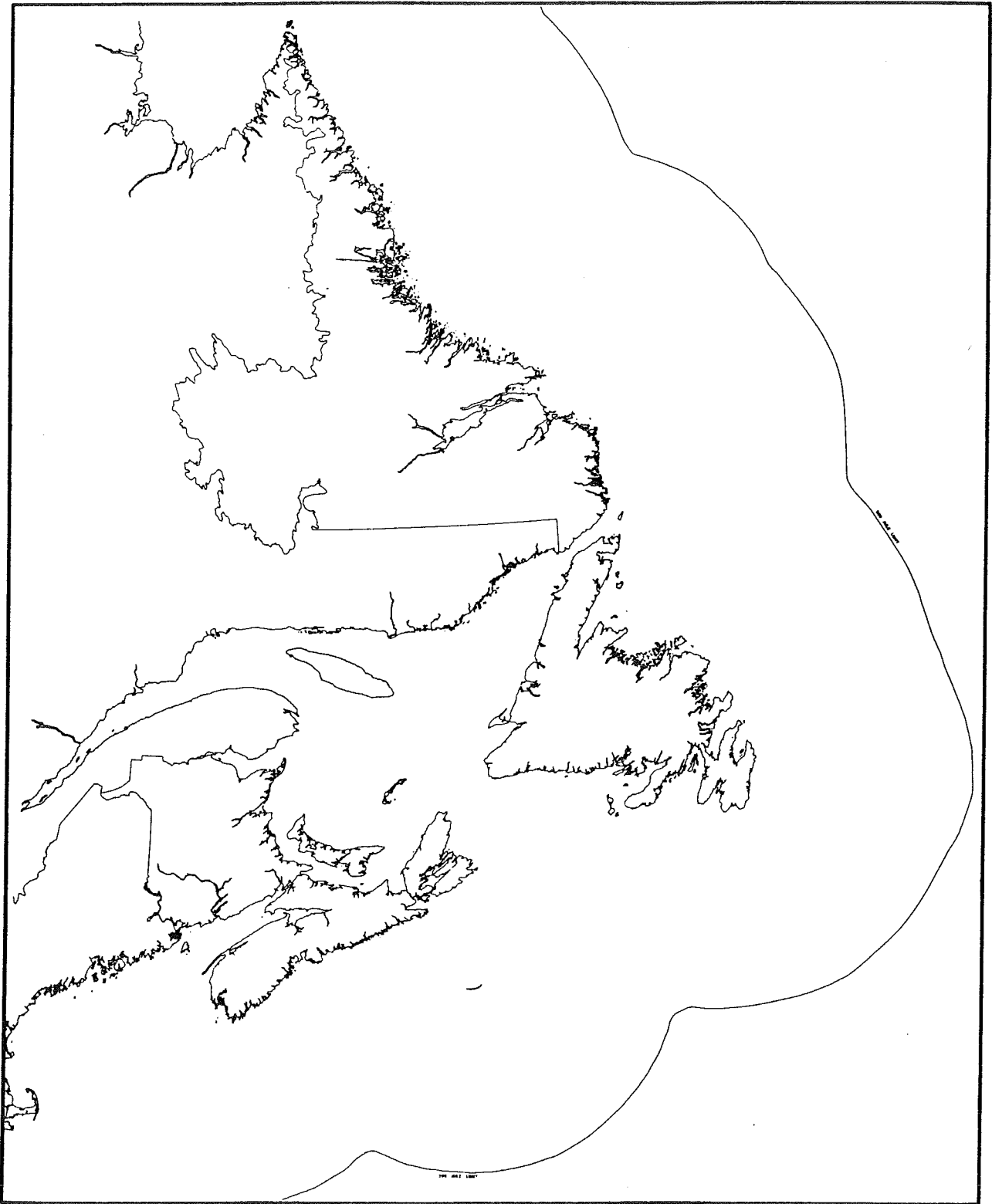


17. Signature: Not signed

Date:

1. **Database Title: Compilation of Information on Surficial Mineral Resources off Eastern Canada**
2. **Contact Person:**
Peter Hale
Ocean Mining Division
Energy, Mines and Resources Canada
580 Booth Street
Ottawa, Ontario K1A 0E4
Tel (613) 992-8589
3. **Purpose:**
To provide a nearshore data compilation which could be used to help plan non-fuel mineral exploration programs
4. **Access/Fees/Restrictions:**
Access: Through contact person or Earth and Ocean Research Ltd, Dartmouth, Nova Scotia
Fees: May be some cost recovery
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Region - Coastal areas to 50m depth
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Historical and present; may be updated in future
8. **Format:**
Digital and Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Seismic data, bottom photos, bottom and sub-bottom samples
Chemical: Metals
10. **Sampling Procedures:**
Compilation of existing information
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software: dBASE III
15. **Comments:**
To serve as a first step towards producing comprehensive integrated resource planning maps to identify areas of mineral potential relative to environmental and fisheries concerns. Large 3 volume hard-copy report being held at provincial mines departments, BIO Library, EMR Ottawa and Earth and Ocean Research Ltd. Contact person has a 20 floppy disk set containing computerized maps which can be manipulated for further study. Copies of this disk set may be obtained from Earth and Ocean Research Ltd.

16. Map Indicating areas of data holdings:

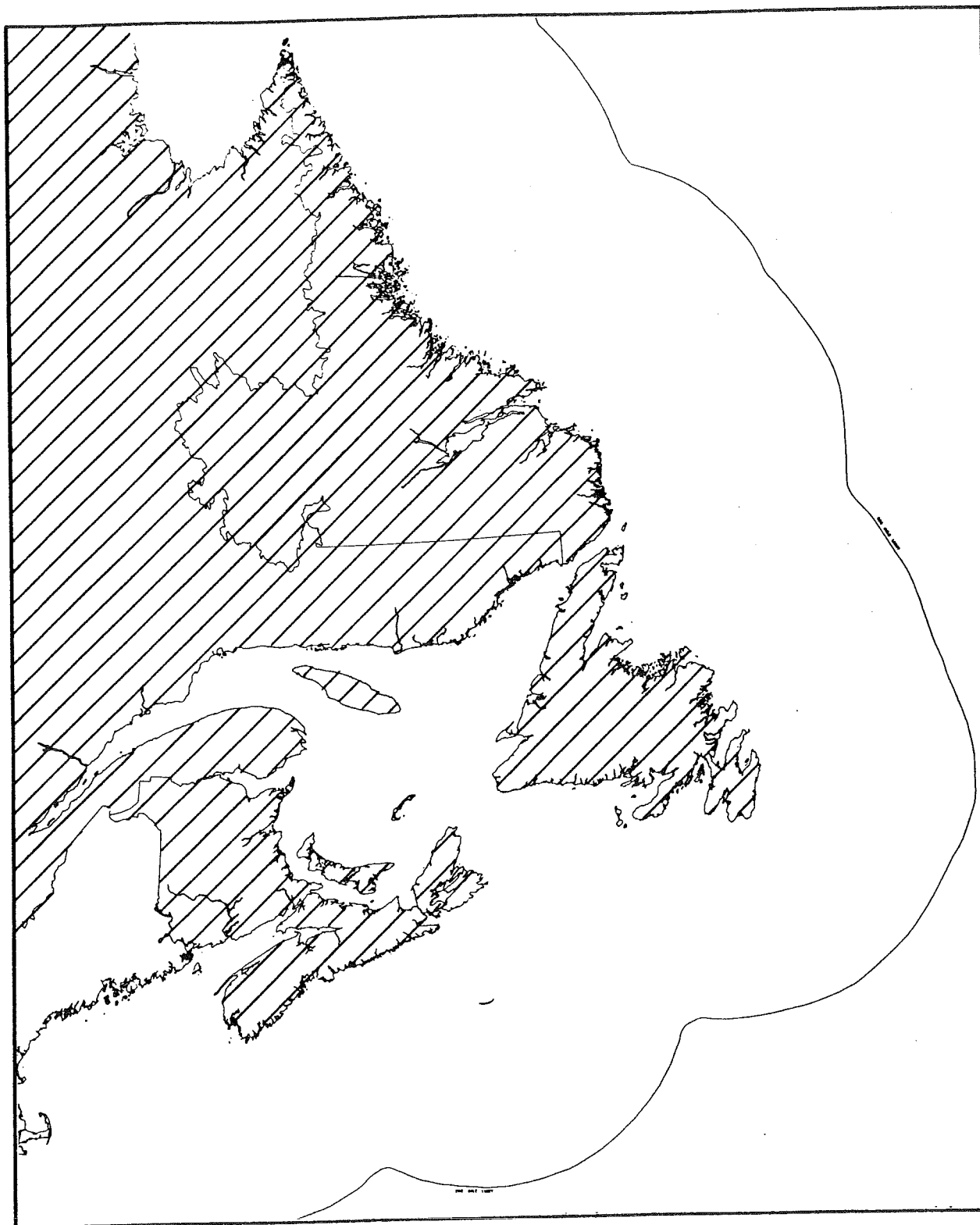


17. Signature:

Date:

1. **Database Title: Vector Vegetation and Land Cover of Canada**
2. **Contact Person:**
Louiselle St-Laurent
GIS Specialist
Geographic Information Systems Division
Surveys, Mapping and Remote Sensing Sector
Energy, Mines and Resources
615 Booth Street
Ottawa, Ontario K1A 0E9
3. **Purpose:**
To provide primary land cover for Canada
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: To be determined
Restrictions:
5. **Geographical Coverage/Scale:**
Canada
Scale 1:5 000 000
6. **Geographical Referencing:**
Rectangular coordinates in metres; NAD83; Lambert Conformal Conic, 2 parallel 49/77 degrees, centre of projection 95 degree west, origin 49 degree north
7. **Period of Record/Update Frequency:**
1988 to 1990
Update frequency not yet determined
8. **Format:**
Digital: Per province - formatted ASCII files; DLG3 plus flat files for attributes; ARC/INFO export format
9. **Data Types/Parameters Measured:**
Land cover attributes: Coordinates of lines forming polygons, coordinates of points inside polygons, identification of points inside polygons, coded land cover type related to points
10. **Sampling Procedures:**
Remote sensing classification
11. **Program Type:**
Monitoring and research
12. **Size/Growth:**
Size is dependent on number of polygons; approximately 10,000 polygons per province
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Sunsparc workstation
Operating system: UNIX
Software: ARC/INFO, PAMAP
15. **Comments:**

16. Map Indicating areas of data holdings:

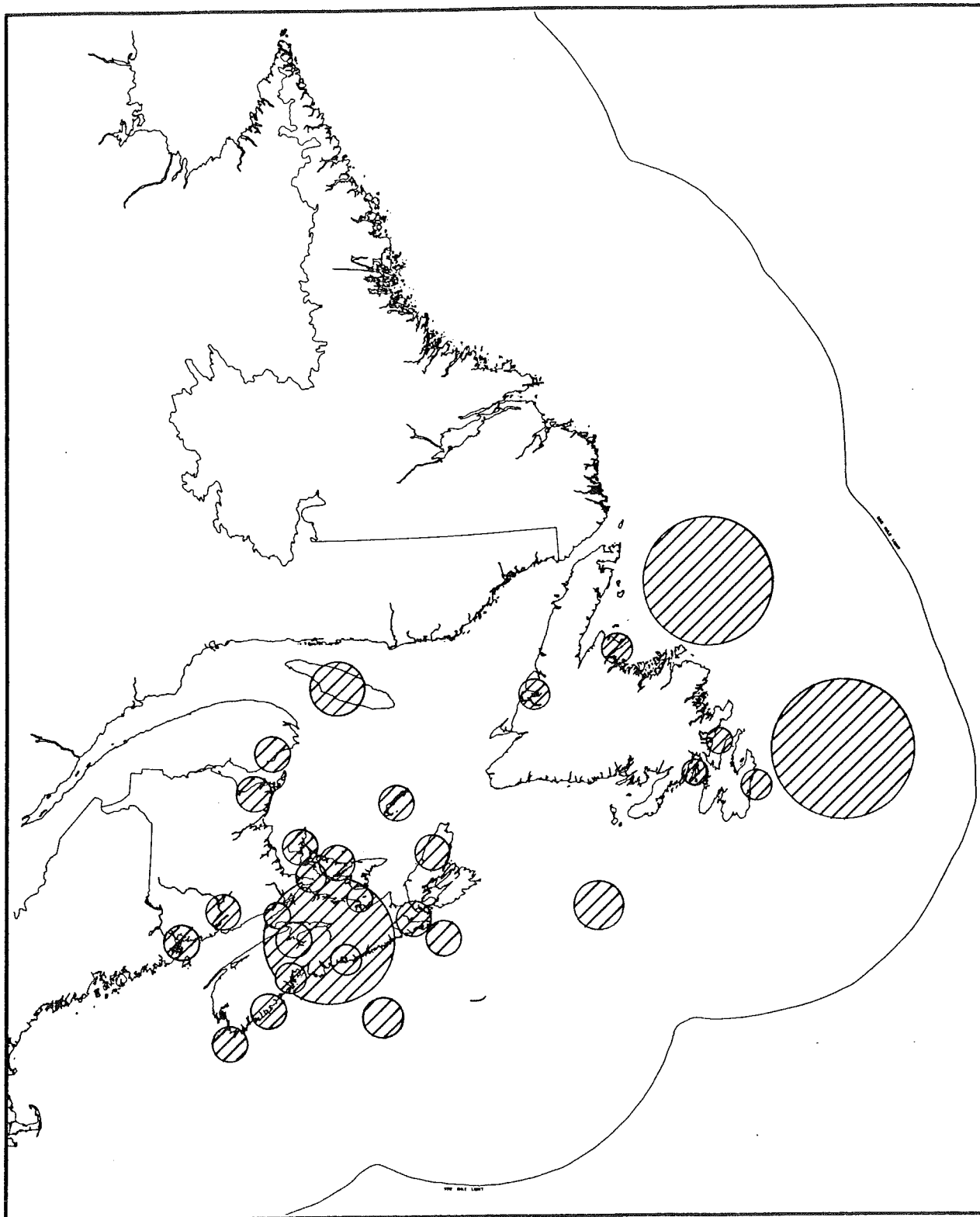


17. Signature: Verified

Date: September 17, 1992

1. **Database Title: Radar Remote Sensing (SAR) Imagery of Coastal Areas in Atlantic Canada Acquired by the Canada Centre for Remote Sensing**
2. **Contact Person:**
Canada Centre for Remote Sensing
Energy, Mines and Resources Canada
588 Booth Street
Ottawa, Ontario
Tel (613) 947-1282; Fax (613) 947-1385
Dirk Werle
AERDE Environmental Research
PO Box 1002, Station M
Halifax, Nova Scotia B3J 2X1
Tel (902) 423-2211; Fax (902) 477-4477
3. **Purpose:**
Identification of potential uses of radar remote sensing (SAR) for mapping in the coastal zone, e.g., land use, wave activity, geomorphology, aquaculture, etc.
4. **Access/Fees/Restrictions:**
Access: Through contact person/CCRS/RDDP investigators; Fees: To be determined; at cost for research and development; Restrictions: To be determined/RDDP studies
5. **Geographical Coverage/Scale:**
Approximately 25-30 areas of geographic coverage; Satellite SAR coverage = 100km x 100km per scene; CCRS aircraft SAR coverage = many image "strips" of 20km or 60km in width
6. **Geographical Referencing:**
Raw digital image data; may be referenced to several coordinate systems, e.g., UTM
7. **Period of Record/Update Frequency:** 1987 to 1992 onward
8. **Format:**
Digital: SAR data - CCTs, Exabyte tapes, CD-ROM
Hard-copy: Imagery of many files, Reports on R&D studies
9. **Data Types/Parameters Measured:**
Remote sensing imagery of coastal areas; SAR was mainly geared for imaging land features but in a number of cases ocean features were also imaged, e.g., waves, wind, meso-scale eddies, internal waves, tidal currents, etc.
10. **Sampling Procedures:**
On site surveys, radar remote sensing imagery (SAR)
11. **Program Type:**
Mapping, research and development
12. **Size/Growth:**
Single-date SAR data sets/imagery for R&D studies
13. **Environmental Legislation relevant to this data:** N/A
14. **Computer System:**
Host computer: Digital Image Analysis System
15. **Comments:**
More detailed descriptions of the aircraft SAR data sets of Atlantic Canada are contained in a publication by the Atlantic Canada Remote Sensing Committee (ACRSC) entitled "RDDP Investigators Meeting and ERS-1 Information Session" (1991). Further, SAR imagery of ice-infested waters in Atlantic Canada are collected routinely by AES/Environment Canada's SAR-equipped patrol aircraft and by the ERS-1 satellite.

16. Map Indicating areas of data holdings:



17. Signature: Verified

Date: September 17, 1992

**ATLANTIC
COASTAL ZONE
DATABASE DIRECTORY**

Miscellaneous

**Version 1.0
October 1992**

The Atlantic Coastal Zone Database Directory is published by the Atlantic Coastal Zone Information Steering Committee (ACZISC). This portion of the Directory comprises databases from a variety of sources, including the private sector, universities, federal departments (not represented on the ACZISC) and other. The information will be updated and expanded on a regular basis and provided through the ACZISC to those expressing an interest in the databases.

For more detailed information on specific databases identified in this component, please feel free to communicate with the contact persons identified on the inventory sheets. For general information, please contact:

Claudette LeBlanc
ACZISC Secretariat
c/o Land Registration and Information Service
PO Box 310
16 Station Street
Amherst, Nova Scotia
Canada B4H 3Z5

Tel (902) 667-7231
Fax (902) 667-6008

ATLANTIC COASTAL ZONE DATABASE DIRECTORY

MISCELLANEOUS

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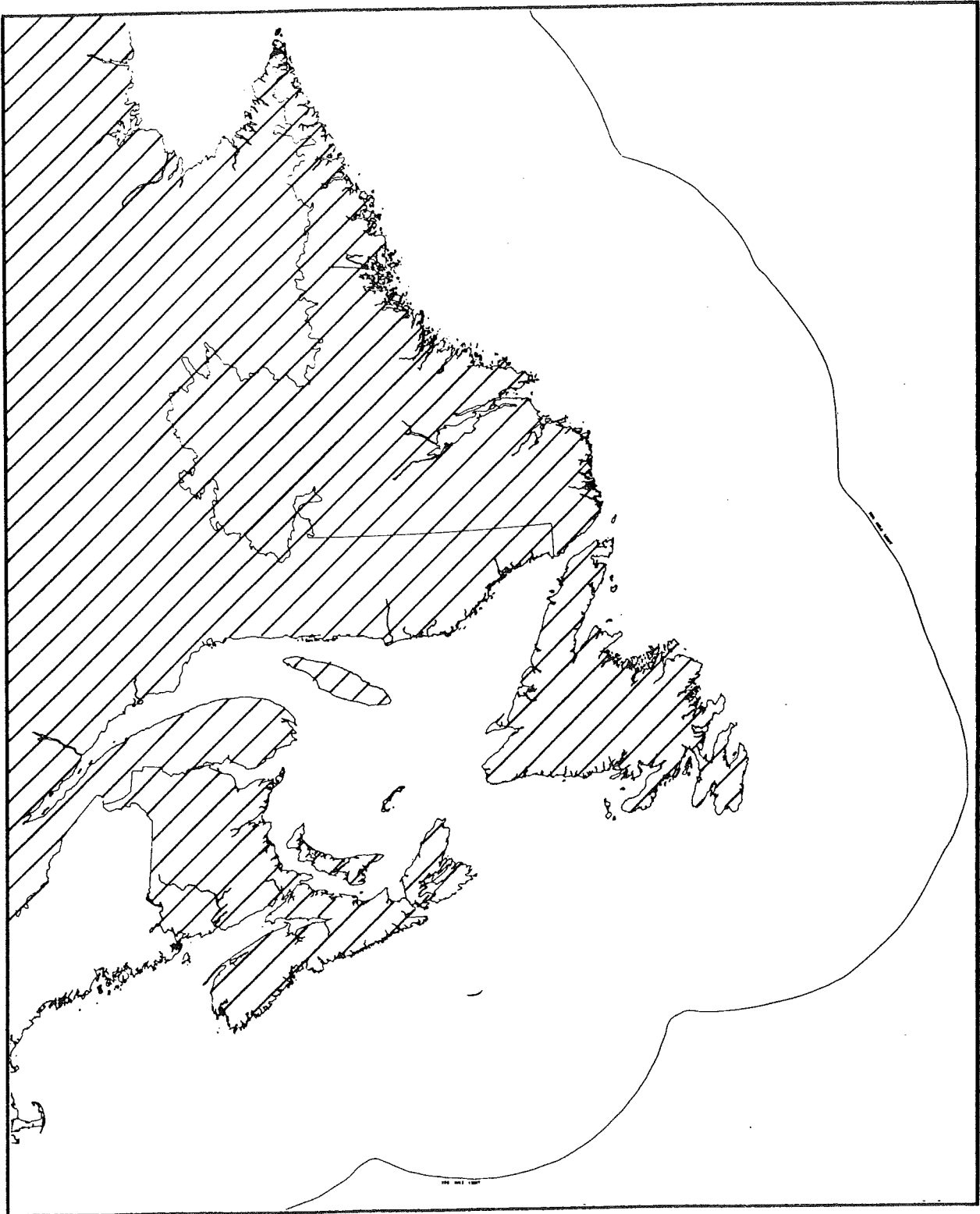
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1. **Database Title:** Inventory of Canadian Agri-Food Research (ICAR)
2. **Contact Person:**
Lorrie Marchand
c/o Research Program Service
Research Branch
Agriculture Canada
K.W. Neatby Building, Room 1135
Ottawa, Ontario K1A 0C6
Tel (613) 995-7084; Fax (613) 992-7909
3. **Purpose:**
Technology and information transfer
4. **Access/Fees/Restrictions:**
Access: On-line service via Canada Institute for Scientific and Technical Information (613) 993-1210; CD-ROM service via SilverPlatter Information Inc. 1-800-343-0064, or through contact person.
Fees: CISTI has connect charge for on-line system; SilverPlatter has a subscription fee for CD-ROM.
Restrictions: None
5. **Geographical Coverage/Scale:**
National, all provinces, sectors. Reports on research in progress in the areas of agriculture, food, human nutrition, aquaculture and related areas of biotechnology.
6. **Geographical Referencing:**
None, other than establishment addresses with postal codes
7. **Period of Record/Update Frequency:**
Updated annually
8. **Format:**
Digital
Hard-copy: Reports (may be fee)
9. **Data Types/Parameters Measured:**
Project titles, objectives, impact, status, researcher names, roles, key code classification system, funding information, person-years, collaborators
10. **Sampling Procedures:**
Data collection coordinated by representatives in each province or region; Agriculture Canada data received directly
11. **Program Type:**
Research and development data
12. **Size/Growth:**
4200 records
Approximately 25% of projects are new each year
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer:
Operating System:
Software:
15. **Comments:**

1. **Database Title: Pesticides Information System**
2. **Contact Person:**
Tom Davis
Pesticides Directorate
Agriculture Canada
Ottawa, Ontario K1A 0C6
Tel (613) 993-4544
3. **Purpose:**
To be used by Agriculture Canada officials to keep track of registrations and uses of particular pesticide products
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Pesticide formulations is confidential information
5. **Geographical Coverage/Scale:**
National - Registered pesticides in use throughout Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1984 to present
Updated weekly
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Chemical: Registration number, company name, name and concentration of active ingredients, formulations, user component - what should be used to control a particular pest
10. **Sampling Procedures:**
Compilation of available data
11. **Program Type:**
Research and monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX 785
Operating system:
Software: INGRES
15. **Comments:**
Database is designed to be used internally within Agriculture Canada, although it is also used to satisfy public requests for information on the pesticide call line

16. Map indicating areas of data holdings:

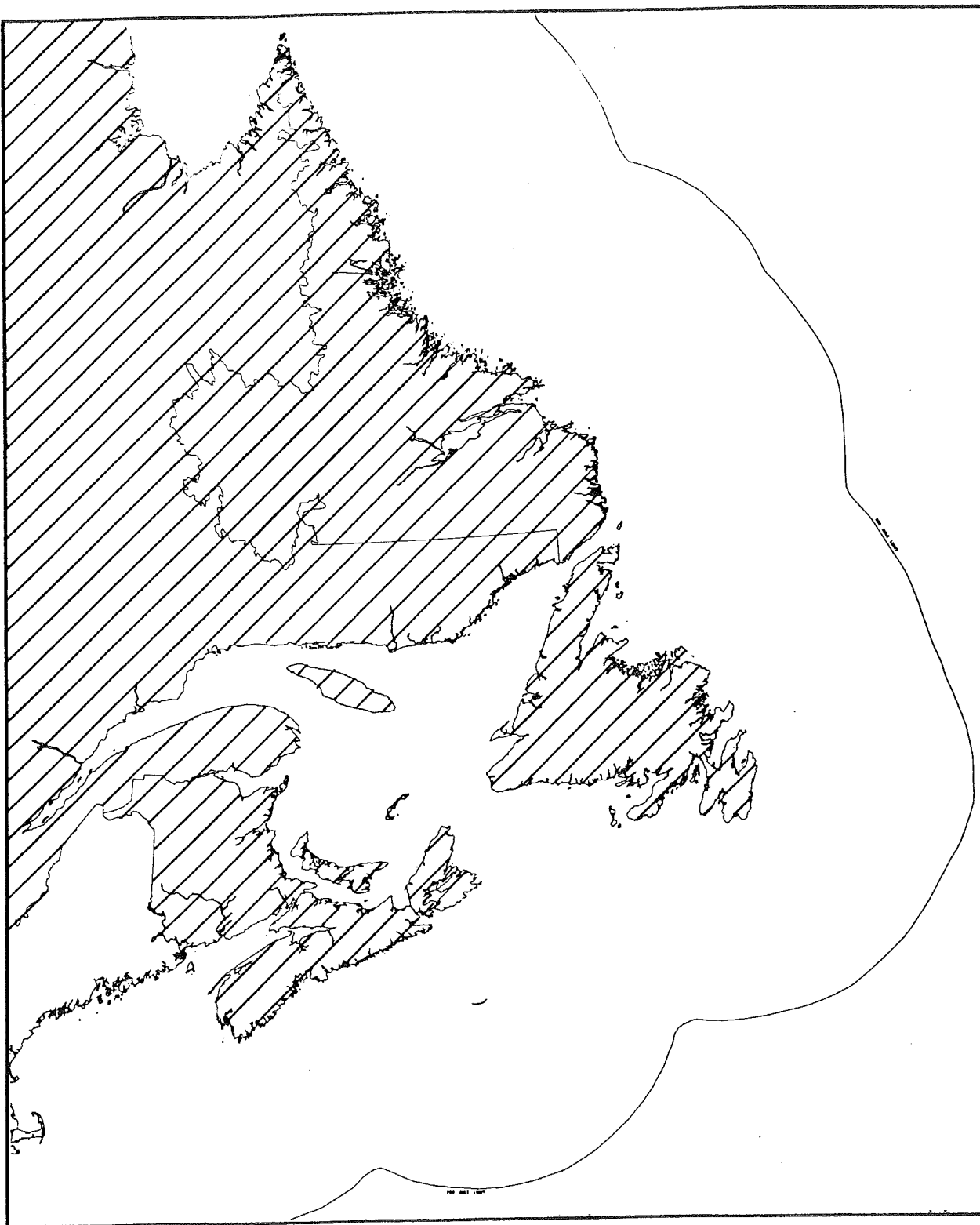


17. Signature: Unverified

Date:

1. **Database Title: Pest Management Research Information System (PMRIS)**
2. **Contact Person:**
Rosalyn McNeil or Cameron Laing
Agriculture Canada
Research Program Service
K.W. Neatby Building, Room 1135
Central Experimental Farm
Ottawa, Ontario K1A 0C6
Tel (613) 995-7084; Fax (613) 992-7909
3. **Purpose:**
Technology and information transfer
4. **Access/Fees/Restrictions:**
Access: On-line and CD-ROM services via Canada Centre for Occupational Health and Safety (CCOHS) (416) 572-2981 or through contact person
Fees: CCOHS has connect charge for on-line system; subscription fee for CD-ROM
Restrictions: No restrictions
5. **Geographical Coverage/Scale:**
National - Candidate pesticides or research trial and insect releases across Canada
6. **Geographical Referencing:**
Latitude/Longitude in Insect Release Database
7. **Period of Record/Update Frequency:**
Varies with each database; updated continuously
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Biological: Biological pest controls
Chemical: Pesticide research data, maximum residue limits, toxicity and efficacy of experimental pesticides, Agriculture Canada data under minor use of pesticide program
10. **Sampling Procedures:**
By Agriculture Canada, provincial and university researchers, private sector, according to approved methods
11. **Program Type:**
Research, survey and monitoring data
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP (Burlington, Ontario); VAX (for internal use in Ottawa)
15. **Comments:**
This database contains data and information on a variety of research aspects of pest management. It contains information on experimental pest control products up to registration of the product. PMRIS is a collection of 6 databases: 1) Experimental pest control products; 2) Thesaurus (includes listing of trade names); 3) Pest management research data; 4) Maximum residue data; 5) Parasitic and predatory insect release (biological pest control since 1959); 6) Minor use program (Agriculture Canada research on chemicals whose small usage cannot justify expensive outlays of development funds by private companies). Each database has its own period of record and update frequency.

16. Map indicating areas of data holdings:

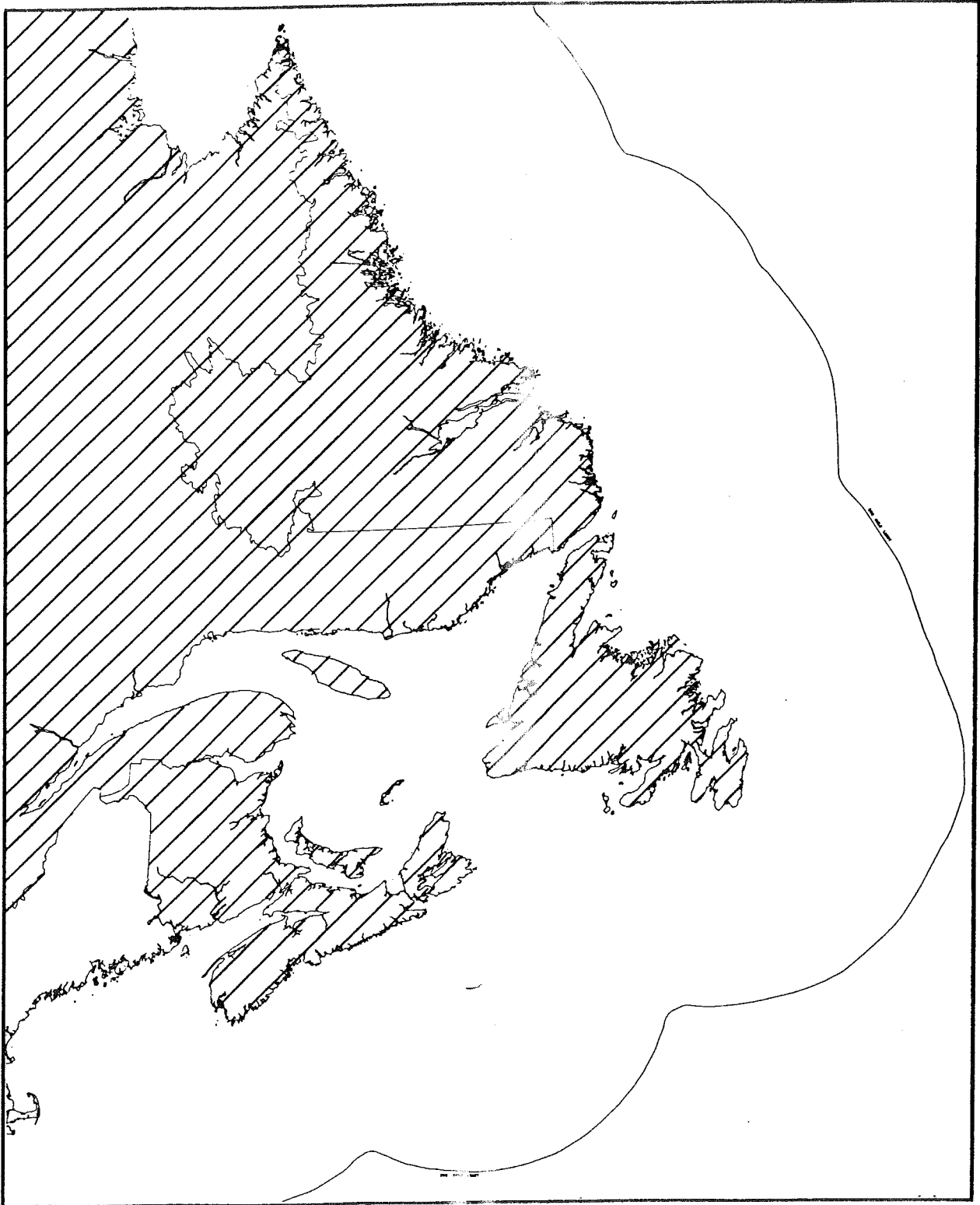


17. Signature: Verified

Date: July 3, 1992

1. **Database Title: Regulatory Information on Pesticide Products (RIPP)**
2. **Contact Person:**
Jean Stalker
Pesticides Directorate
Agriculture Canada
Ottawa, Ontario K1A 0C6
Tel (613) 993-4544
3. **Purpose:**
To provide information on pesticide products to government agencies and the public
4. **Access/Fees/Restrictions:**
Access: Contact Hans Schefski, Canadian Centre for Occupational Health and Safety, 250 Main Street East, Hamilton, Ontario L8N 1H6, Tel 1-800-263-8340
Fees: No cost for on-line access; \$114/year for subscription to CCINFOdisc
Restrictions: No restrictions
5. **Geographical Coverage/Scale:**
Pesticide in use throughout Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Most recent information
Updated quarterly
8. **Format:**
Digital: CCINFOline access system
9. **Data Types/Parameters Measured:**
Chemical: Regulatory, marketing/see comments
10. **Sampling Procedures:**
Compendium of existing information - various procedures
11. **Program Type:**
Research
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP3000 Series 950
Operating system:
Software:
15. **Comments:**
Bilingual Service - French version called "Renseignements et Information sur les Produits Antiparasitaires (RIPA)".
Available through an on-line network and quarterly on CD-ROM (Compact Disk-Read only memory). Information includes: registration number of pest control product; product name; regulatory status (registered or historical); registrant and Canadian agent; guarantee; marketing type; product type; categories of use location; categories of application.

16. Map Indicating areas of data holdings:

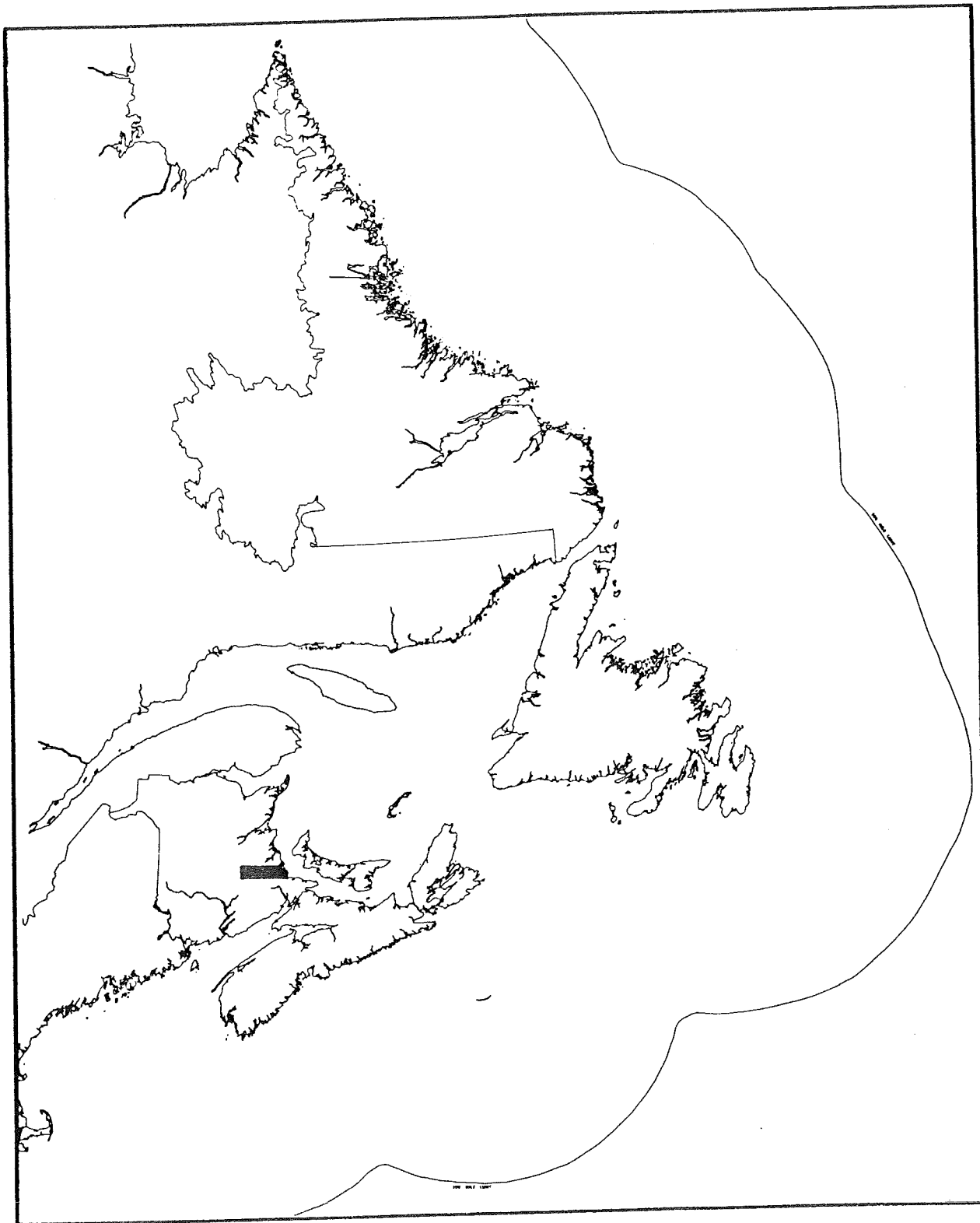


17. Signature: Unverified

Date:

1. **Database Title: Soils of the Chipman-Minto-Harcourt Region of New Brunswick**
2. **Contact Person:**
Dr. Dick Coote
Head of Land Resources Division
Centre for Land and Biological Resources Research
Land Resources Division
Agriculture Canada
Central Experimental Farm
Ottawa, Ontario K1A 0C6
3. **Purpose:**
To identify and map the soils of the region; to establish the suitability of soils for agricultural, forestry and other uses
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Kent and part of Northumberland counties. Soil maps of report covers 0.7 million hectares; map no. 1, 46 degree 15' to 46 degree 30' and 64 degree 30' to 65 degree 00'.
Scale 1:50 000
6. **Geographical Referencing:**
Latitude/Longitude; Northing/Easting
7. **Period of Record/Update Frequency:**
Published in 1992
8. **Format:**
Digital: Maps and its file, report (ASCII and dBASE files)
Hard-copy: Maps and report
9. **Data Types/Parameters Measured:**
Many parameters related to soils, soil profile and sites. Also physical and chemical parameters of soils are included in the database.
10. **Sampling Procedures:**
On-site surveys using transect and free point sampling
11. **Program Type:**
Research, survey and mapping
12. **Size/Growth:**
Approximately 2500 records
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer: VAX
Operating System:
Software: dBASE, SAS, ARC/INFO and many others
15. **Comments:**
Also available: a database of the Soils of the Rogersville-Richibucto Region of New Brunswick; and a large database not in digital format for areas along the New Brunswick coastal zones.

16. Map Indicating areas of data holdings:

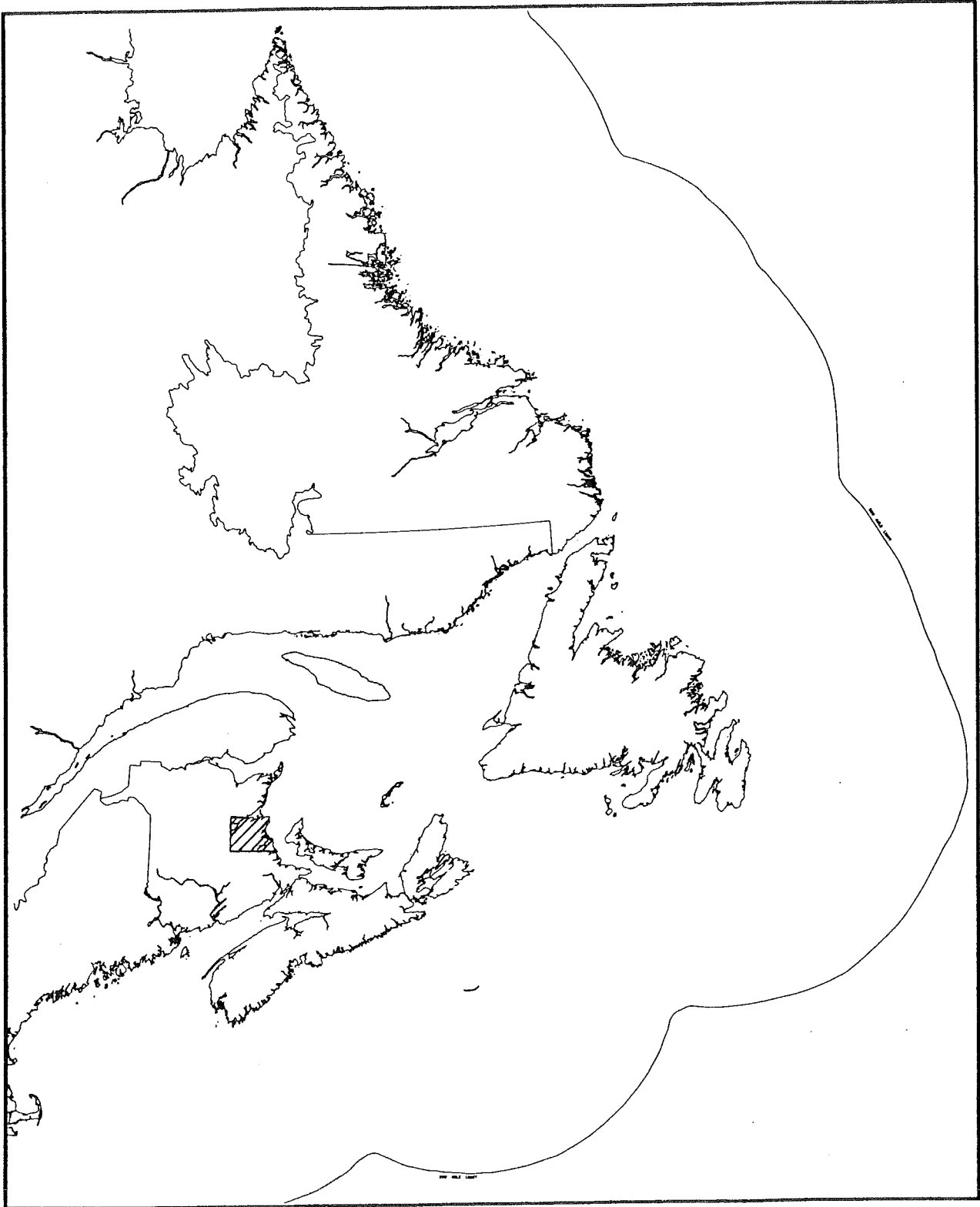


17. Signature: Verified

Date: September 18, 1992

1. **Database Title: Soils of the Rogersville-Richibucto Region of New Brunswick**
2. **Contact Person:**
Dr. Dick Coote
Head of Land Resources Division
Centre for Land and Biological Resources Research
Land Resources Division
Agriculture Canada
Central Experimental Farm
Ottawa, Ontario K1A 0C6
3. **Purpose:**
To identify and map the soils of the region; to establish the suitability of soils for agricultural, forestry and other uses
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Kent and part of Northumberland counties. Soil maps of report covers 405,000 hectares; map no. 1 and 2 cover 46 degree 30' to 47 degree 38' and 64 degree 38' to 65 degree 11'
Scale 1:50 000
6. **Geographical Referencing:**
latitude/Longitude; Northing/Easting
7. **Period of Record/Update Frequency:**
Published in 1983
8. **Format:**
Digital: Maps and its file, report (ASCII and dBASE files)
Hard-copy: Maps and report
9. **Data Types/Parameters Measured:**
Many parameters related to soils, soil profile and sites. Also physical and chemical parameters of soils are included in the database.
10. **Sampling Procedures:**
On-site surveys using transect and free point sampling
11. **Program Type:**
Research, survey and mapping
12. **Size/Growth:**
3500 records
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer: VAX
Operating System:
Software: dBASE, SAS, ARC/INFO and many others
15. **Comments:**
Also available: a database of the Soils of the Chipman-Minto-Harcourt Region of New Brunswick; and a large database not in digital format for areas along the New Brunswick coastal zones.

16. Map Indicating areas of data holdings:

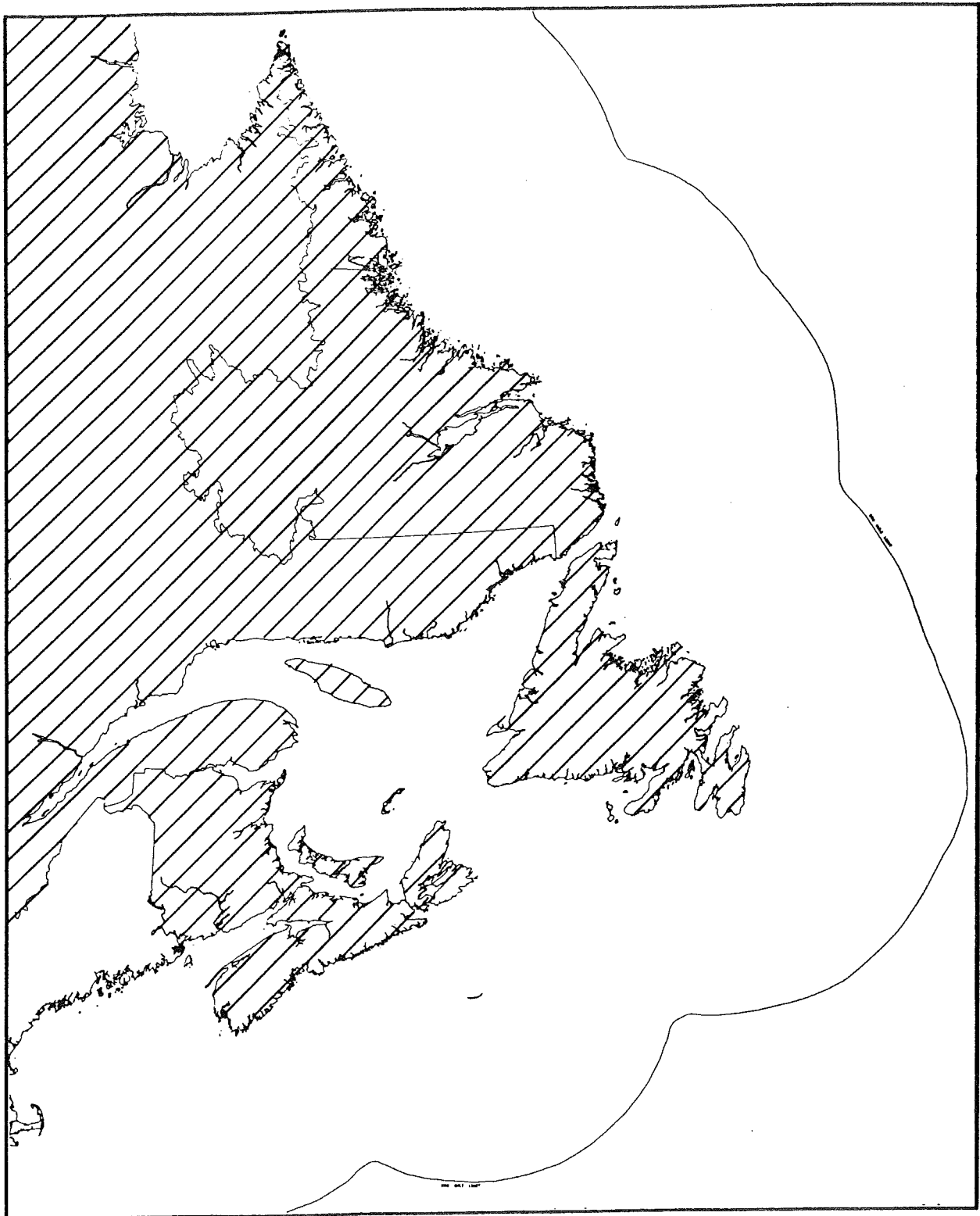


17. Signature: Verified

Date: September 18, 1992

1. **Database Title: Canadian Forest Resource Data System**
2. **Contact Person:**
J. Lowe
PNFI
Forestry Canada
Chalk River, Ontario K0J 1J0
Tel (613) 589-2880
3. **Purpose:**
To maintain an inventory of the forest resources of Canada
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Most data is aggregated from provincial sources; studies of a local nature or involving themes sensitive to provincial mandate - may be referred to those sources.
5. **Geographical Coverage/Scale:**
Canada, including Atlantic Provinces
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1981, 1984, 1986
Forest inventory updated every 5 years
Biomass inventory completed in 1984
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Biological: Species, forest type, pulpwood volumes, saw-wood volumes, maturity class, predominant genus, age, disturbance, site quality, ownership, biomass of merchantable and other portions of trees
10. **Sampling Procedures:**
Information on sampling can be provided by provincial agencies.
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX 780
Operating system:
Software: Spatial distribution on ARC/INFO, Fortran
15. **Comments:**
System consists of two databases: 1. the Canadian Forest Inventory Database, 2. Forest Biomass Inventory Database.

16. Map indicating areas of data holdings:

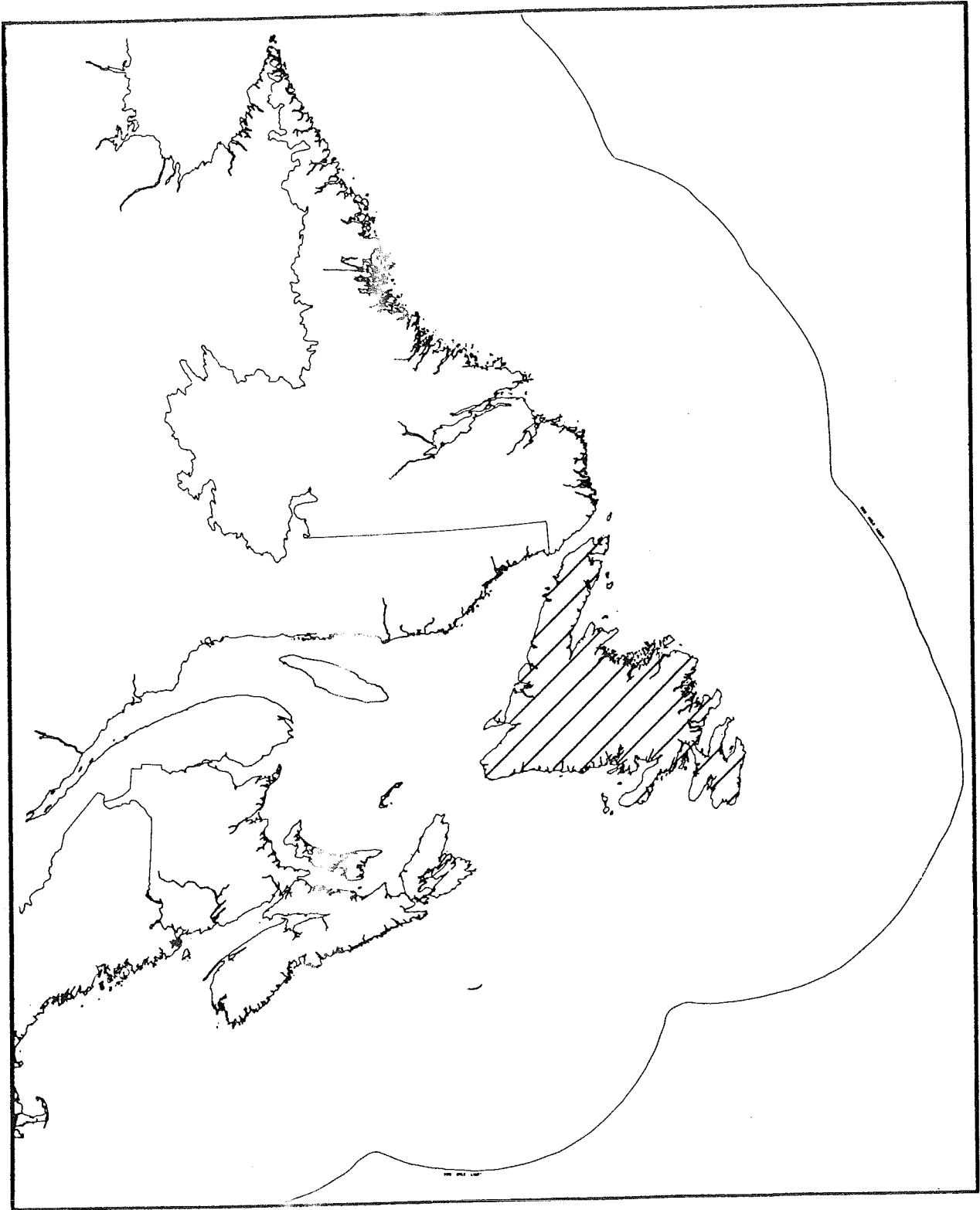


17. Signature: Unverified

Date:

1. **Database Title: Forcye (Forest) - Trend Evaluation**
2. **Contact Person:**
Bill Meades
Newfoundland Forestry Centre
Forestry Canada
PO Box 6028
St. John's, Newfoundland A1C 5X8
3. **Purpose:**
Management practices and sustainability Nutrient Cycling Simulation Model
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Newfoundland
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1980 to 1990
Updated continuously - pending new scientific information
8. **Format:**
Digital: Model
9. **Data Types/Parameters Measured:**
Biological: Nutrients, tree type, tree growth, soil type, decomposition rate
10. **Sampling Procedures:**
Chronosequence after cutting
11. **Program Type:**
Research
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:



17. Signature: Unverified

Date:

1. **Database Title: Forest Insect and Disease Infobase**
2. **Contact Person:**

L. Magasi Forestry Canada - Maritimes Region PO Box 4000 Fredericton, New Brunswick E3B 5P7 Tel (506) 452-3561 Fax (506) 452-3525	J. Hudak Newfoundland Forestry Service Forestry Canada PO Box 6028 St. John's, Nfld A1C 5X8 Tel (709) 772-6019
--	---
3. **Purpose:**

To manage data for the forest insect and disease survey and to research impact of acid rain on forests
4. **Access/Fees/Restrictions:**

Access: Through contact person (Dr. Hudak for Newfoundland information)
Fees: To be determined
Restrictions: Data has to be manipulated before it can be released
5. **Geographical Coverage/Scale:**

New Brunswick, Nova Scotia and Prince Edward Island
6. **Geographical Referencing:**

UTM grid system (mostly 10km x 10km; some 1km x 1km)
7. **Period of Record/Update Frequency:**

1930s to present; updated continuously
8. **Format:**

Digital
Hard-copy: Maps, reports
9. **Data Types/Parameters Measured:**

Physical: Elevation and aspect, some geomorphology
Chemical: pH, major ions, metals (for acid rain plots only)
Biological: Distribution of disease and insect pests
10. **Sampling Procedures:**

Field surveys
11. **Program Type:**

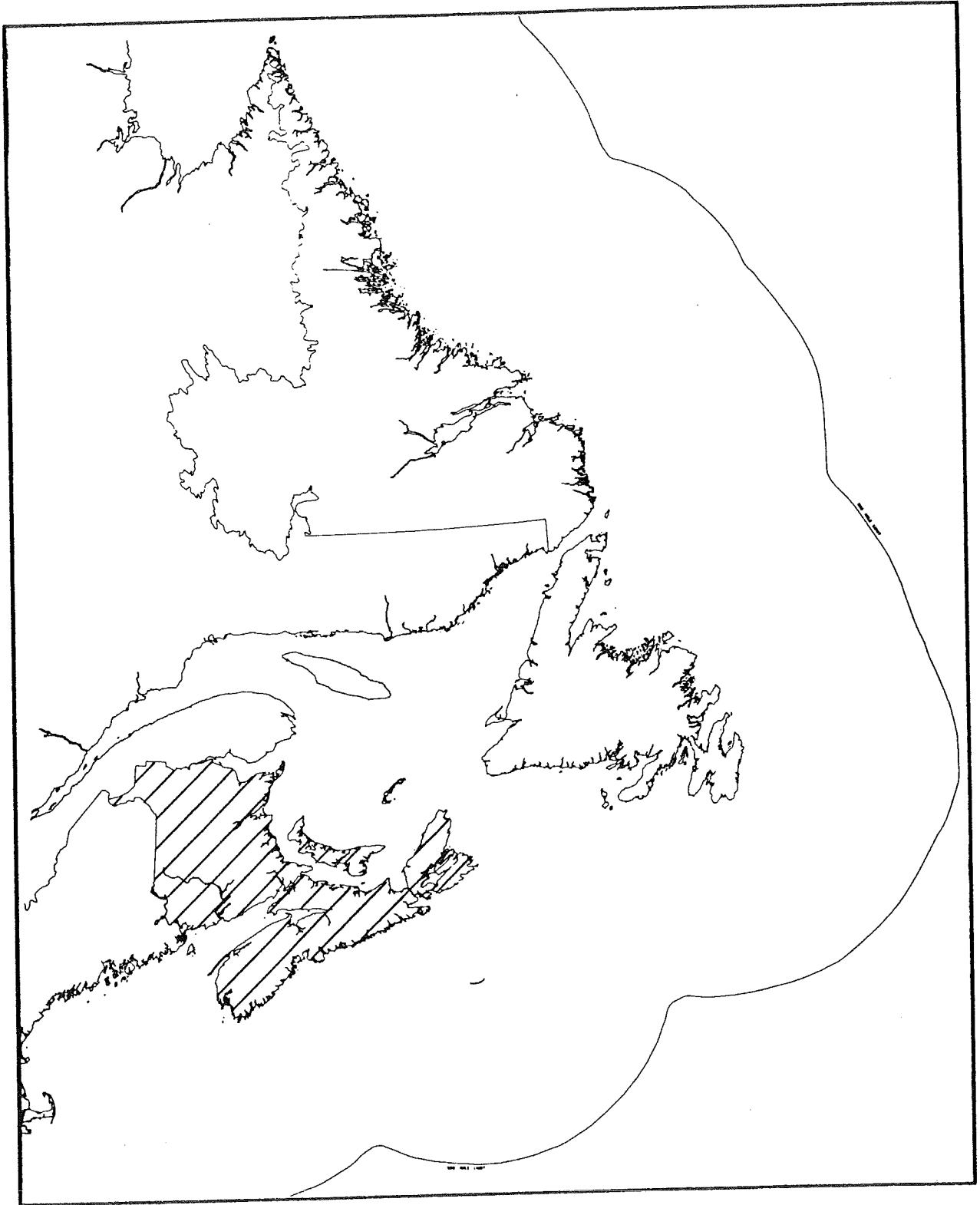
Research, monitoring and survey
12. **Size/Growth:**

700,000 records
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**

Host computer: VAX 750
Operating system:
Software: INGRES, ARC/INFO
15. **Comments:**

Map database is in preparation; database also includes catalogue of 20,000 insects and diseases. ARNEWS (Acid Rain National Early Warning System) database included in system): 110 (10 X 40m) plots scattered across Canada. Data for each plot include intensive measurements of each tree and soil and foliage samples from adjacent areas. Every plot is remeasured yearly to attempt to determine initial effects of acid rain. In Maritimes only, timber impact plot data is retained in database.

16. Map indicating areas of data holdings:

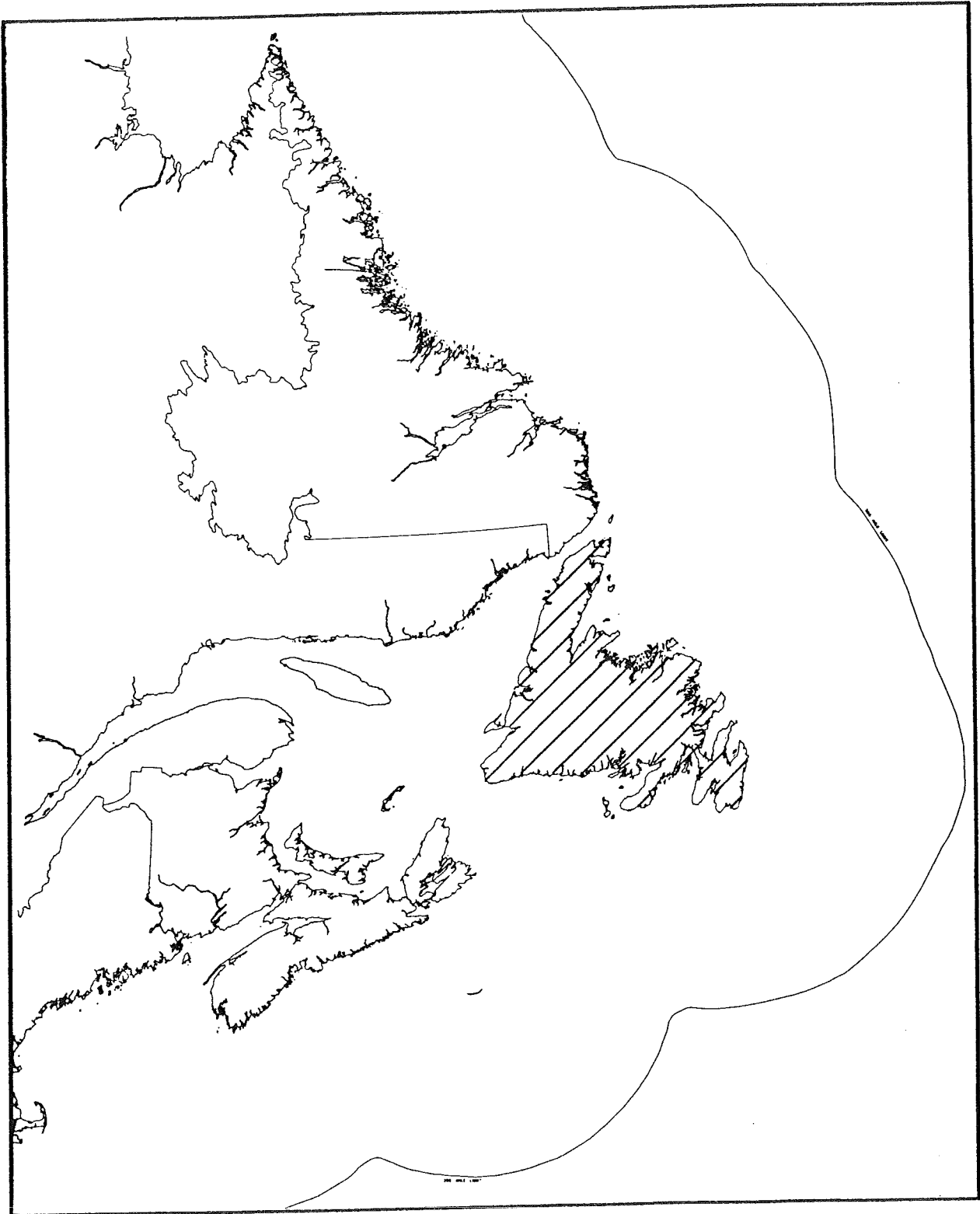


17. Signature: Verified

Date: July 6, 1992

- 1. Database Title: Heathland Classification of Newfoundland**
- 2. Contact Person:**
Bill Meades
Newfoundland Forestry Centre
Forestry Canada
PO Box 6028
St. John's, Newfoundland A1C 5X8
Tel (709) 772-6019
- 3. Purpose:**
To identify forestry-related trends
- 4. Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
- 5. Geographical Coverage/Scale:**
Newfoundland
- 6. Geographical Referencing:**
- 7. Period of Record/Update Frequency:**
15 years
Ongoing update
- 8. Format:**
Hard-copy
- 9. Data Types/Parameters Measured:**
Physical: Total species composition, abundance, habitat features
- 10. Sampling Procedures:**
Vegetation plots - cover abundance scale, soil pits
- 11. Program Type:**
Research
- 12. Size/Growth:**
- 13. Environmental Legislation relevant to this data:**
- 14. Computer System:**
Host computer:
Operating system:
Software:
- 15. Comments:**

16. Map indicating areas of data holdings:

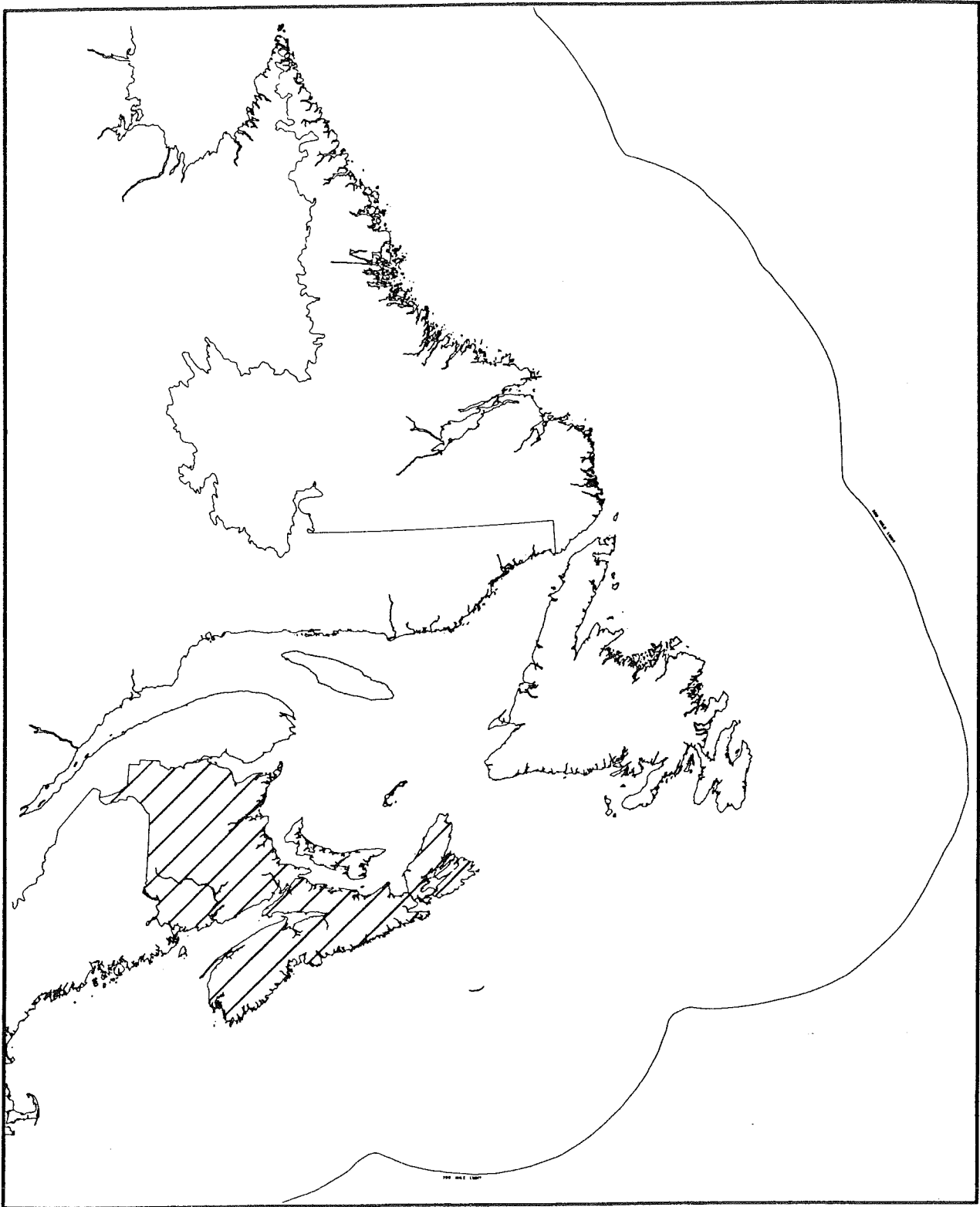


17. Signature: Unverified

Date:

1. **Database Title: North American Sugar Maple Decline Project**
2. **Contact Person:**
Bruce Pendrel
Forestry Canada
Maritimes Region
PO Box 4000
Fredericton, New Brunswick E3B 5P7
Tel (506) 452-3500
3. **Purpose:**
To determine the rate of change, possible causes and geographic relationships of decline of sugar maple trees
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Plots established across eastern North America, from Ontario and Wisconsin to Maine and New Brunswick and Nova Scotia to measure sugar maple tree condition changes and to inventory possible contributing agents
6. **Geographical Referencing:**
UTM grid system - plot locations given within 100 m
7. **Period of Record/Update Frequency:**
1988 to present
Updated annually
8. **Format:**
Digital
Hard-copy: Annual reports
9. **Data Types/Parameters Measured:**
Physical: Site description, physiography, weather data, soil characteristics, geological landforms, vegetation coverage
Biological: Tree diameter, tree identification, crown data, tree condition
10. **Sampling Procedures:**
Randomly located ground sample plots, air photo interpretation and ground surveys
11. **Program Type:**
Research and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX 750
Operating system:
Software: INGRES, ARC/INFO
15. **Comments:**
Data computerized and analyzed for the NAMP system at a central location for all participating agencies. However, Maritimes data is available in Fredericton at Forestry Canada. There are no standard NAMP plots on PEI due to lack of suitable sites but maple is monitored by NAMP methodology on auxiliary plots.

16. Map indicating areas of data holdings:



17. Signature: Verified

Date: July 6, 1992

1. **Database Title: Site Classification Manual: Forest Site Types of Nfld**
2. **Contact Person:**
Bill Meades
Forestry Canada
Newfoundland Forestry Centre
PO Box 6028
St. John's, Newfoundland A1C 5X8
Tel (709) 772-6019
3. **Purpose:**
To provide a detailed site classification for forest management
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Newfoundland
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
NA
8. **Format:**
Hard-copy
9. **Data Types/Parameters Measured:**
Biological: Vegetation, soil, land types, forest types for mature forest
10. **Sampling Procedures:**
Vegetation classification and succession analysis in forest cut-over and heath vegetation
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

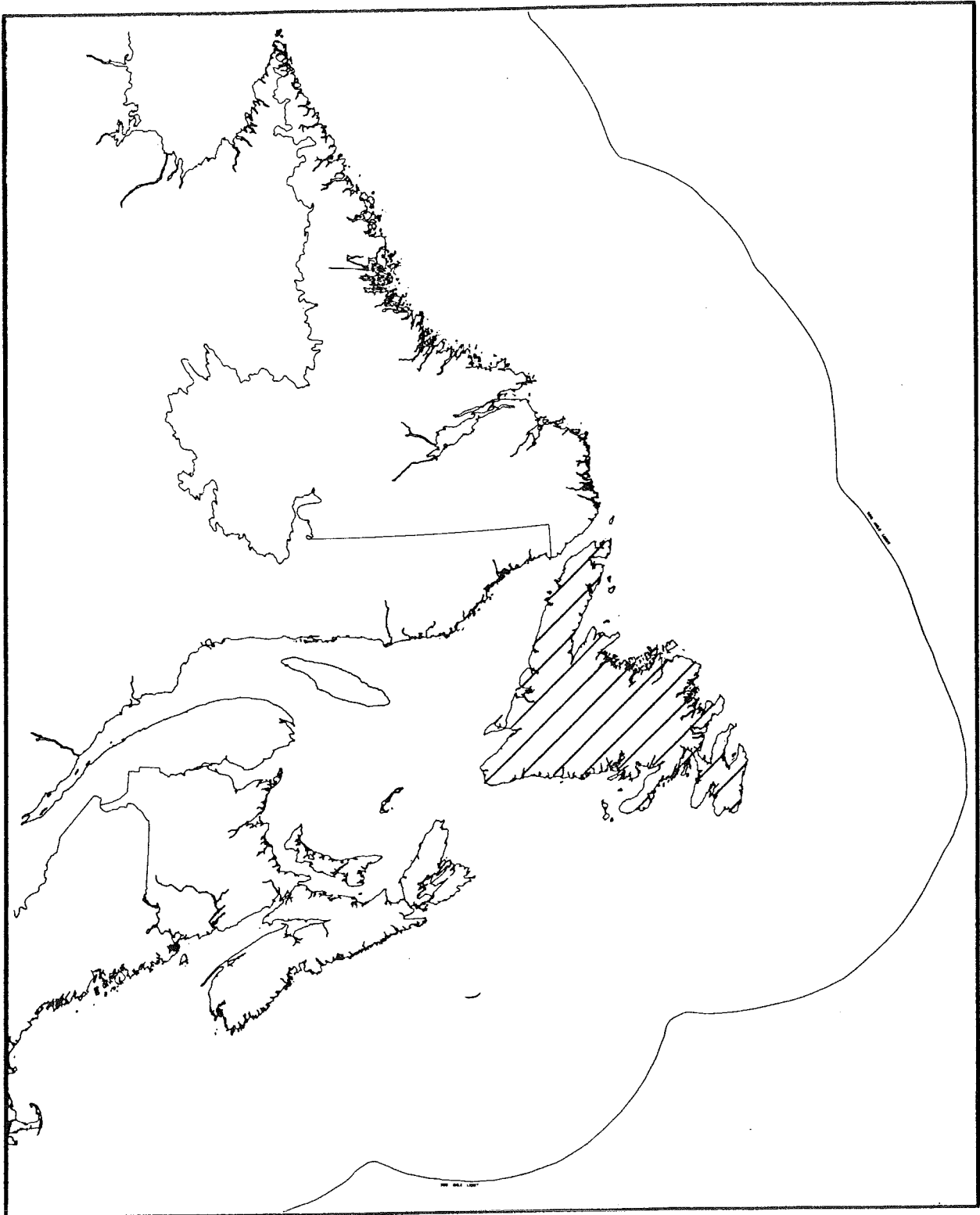


17. Signature: Unverified

Date:

1. **Database Title: Succession on Disturbed Forest Land**
2. **Contact Person:**
Bill Meades
Newfoundland Forestry Centre
Forestry Canada
PO Box 6028
St. John's, Newfoundland A1C 5X8
Tel (709) 772-6019
3. **Purpose:**
Vegetation classification and succession analysis - trends and management interpretation
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Newfoundland
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1985 to present
Updated annually
8. **Format:**
Hard-copy
Digital: Current research - raw data
9. **Data Types/Parameters Measured:**
Biological: Vegetation, site types, cutting stages, tree counts, growth assessments
10. **Sampling Procedures:**
Vegetation plots - cover abundance scale
11. **Program Type:**
Research
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:



17. Signature: Unverified

Date:

1. **Database Title: International Register of Potentially Toxic Chemicals (IRPTC)**
2. **Contact Person:**
Ruta Whittaker
Health and Welfare Canada
Environmental Health Centre, Room 212
Ottawa, Ontario K1A 0L2
Tel (613) 957-1506; Fax (613) 941-4546
3. **Purpose:**
To make environmental, toxicological and regulatory information available to interested parties in government, industry, academic institutions and non-government organizations
4. **Access/Fees/Restrictions:**
Access: Through contact person; also available at no cost via DATAPAC; to register phone 1-800-267-3364 or Fax (613) 941-4546 indicating name, address and telephone number
Fees: \$50 for an I-Net identifier - \$3 monthly plus \$10/hr. flat rate to use the Health and Welfare computer; connect charge
Restrictions: No restrictions
5. **Geographical Coverage/Scale:**
International - toxic chemicals in use throughout the world
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1978 to present; updated continuously
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical, chemical, biological and regulatory
Data elements: toxicological, carcinogenicity, mutagenicity, ambient concentrations, environmental fate and waste
10. **Sampling Procedures:**
Various
11. **Program Type:**
Research, monitoring, survey and risk assessment
12. **Size/Growth:**
89,000 Environmental Legislative records; 100,000 toxicity, environmental and waste records
13. **Environmental Legislation relevant to this data:**
Provincial and federal legislative information on chemicals; international legislative information
14. **Computer System:**
Host computer: HP 3000; Operating system:
Software: Gandalf SMUX (communication), MINISIS, ILO user-friendly menu
15. **Comments:**
Regulatory information from 13 countries and 6 international organizations. Includes information on guidelines or regulated levels for chemicals in drinking water. Canadian federal and provincial regulatory information is included. Information on 10,000 substances drawn from different national priority lists. Two thirds are agricultural chemicals. IRPTC actually contains 39 databases in all. The IRPTC is an agency of the United Nations Environment Program (UNEP). Health and Welfare Canada is the Canadian national correspondent for IRPTC. Training sessions in Ottawa are being planned.

16. Map Indicating areas of data holdings:

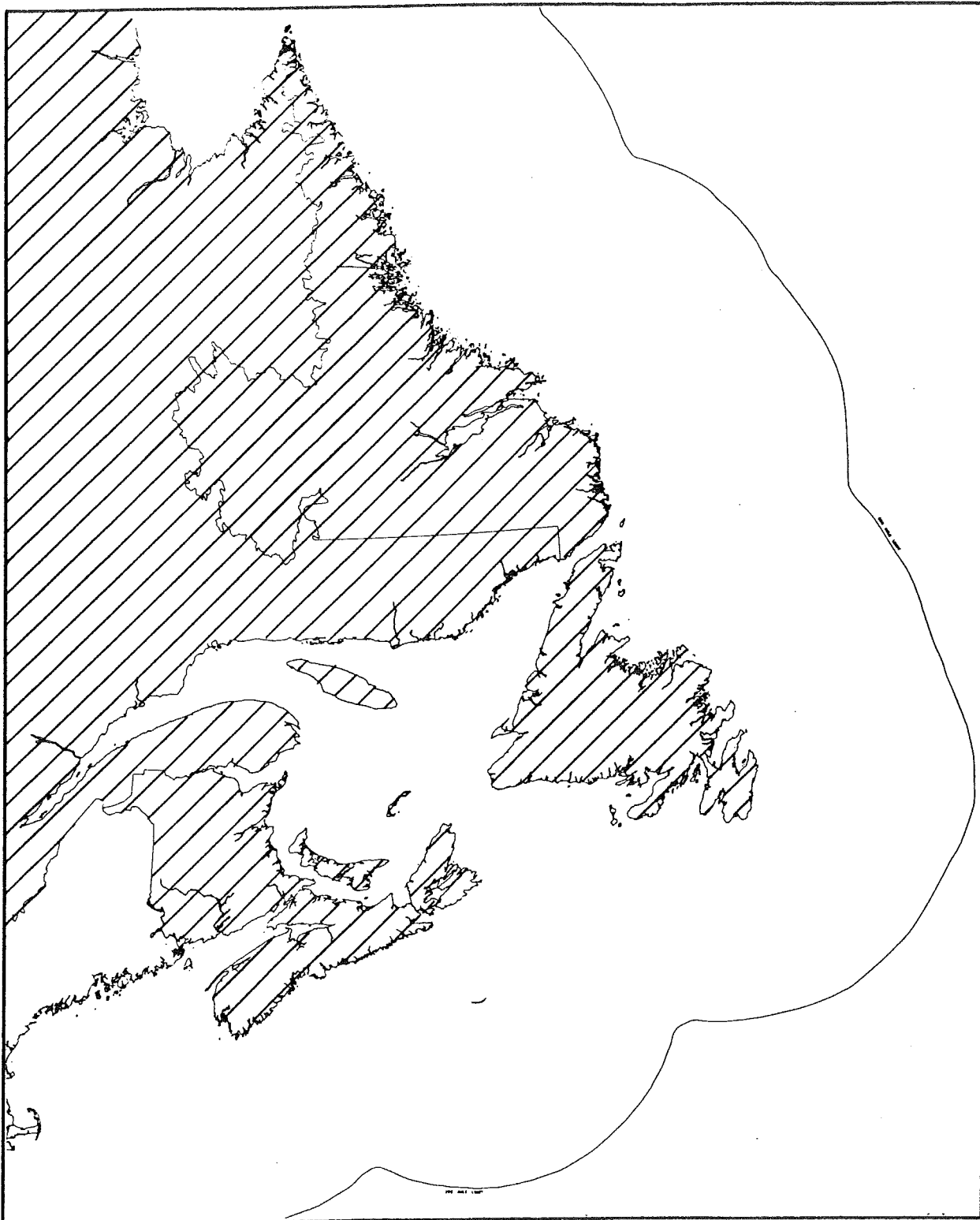


17. Signature: Verified

Date: July 29, 1992

1. **Database Title: Canadian Taxfilers**
2. **Contact Person:**
Advisory Services
Regional Office, Statistics Canada
North American Life Centre
1770 Market Street, 3rd Floor
Halifax, Nova Scotia B3J 3M3
Tel (902) 426-6374; Fax (902) 426-9538
3. **Purpose:**
The data, providing financial market data for small and large geographic areas, are of particular interest to the financial services community.
4. **Access/Fees/Restrictions:**
Access: Through contact services listed in 2. above
Fees: Cost recovery - published price list
Restrictions: Confidentiality of Canadians is protected. Numbers are rounded and data may be suppressed to avoid residual disclosure when geographic areas comprise fewer than 100 taxfilers, or characteristics are shared by fewer than 15 taxfilers.
5. **Geographical Coverage/Scale:**
Canada, Provinces/Territories, CMAs, CDs, Postal Geography and user defined areas
6. **Geographical Referencing:**
For postal geography, data are available (subject to confidentiality restrictions) for areas as small as a letter carrier walk, FSA, Rural routes, cities, etc. Data are also available for Canada and for provinces/territories.
7. **Period of Record/Update Frequency:**
Updated annually from tax returns filed in the spring of each year. Data released late in the same year, e.g., 1991 data are released in 1992.
8. **Format:**
Digital: ASCII format on Diskette; ASCII or EBCDIC formats on Magnetic tape (1600 or 6250 BPI)
Hard-copy
9. **Data Types/Parameters Measured:**
Total number of taxfilers; number of receivers of investment income, average age, median total income, total investment income and the median investment income
10. **Sampling Procedures:**
Direct counts from tax file (100% data)
11. **Program Type:** See 10. above
12. **Size/Growth:**
Data taken from taxfiler records and represent nearly 70% of all Canadians. Record growth is determined by the number of Canadians filing tax returns (between 1985 and 1990, the percentage rose by nearly 10%).
13. **Environmental Legislation:**
14. **Computer System:**
Host computer:
Operating System:
Software:
15. **Comments:**
Canadian Taxfilers is a portion of a complete financial database.

16. Map Indicating areas of data holdings:

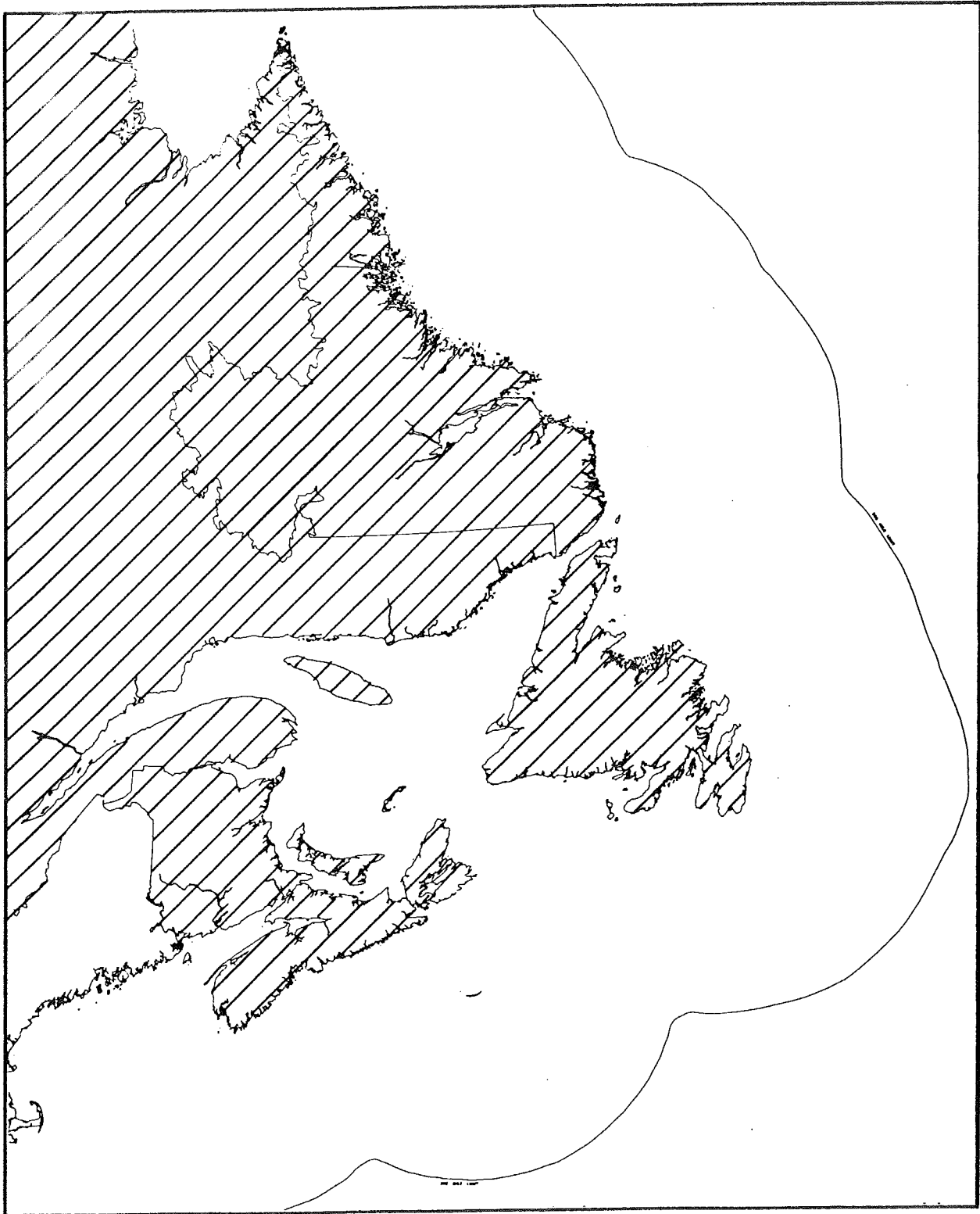


17. Signature: Verified

Date: August 24, 1992

1. **Database Title: Census of Agriculture**
2. **Contact Person:**
Rick Burroughs
User Services
Agriculture Division
Statistics Canada
Ottawa, Ontario K1A 0T6
Tel (613) 951-8711
3. **Purpose:**
To provide information on agriculture activities
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Cost recovery
Restrictions: Some data is confidential
5. **Geographical Coverage/Scale:**
Canada
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Machine readable since 1966, published form since 1800s
Updated every 5 years
8. **Format:**
Digital: Computer tape, diskette
Hard-copy: Reports
9. **Data Types/Parameters Measured:**
Physical: Land use, irrigation, tile drainage
Chemical: Pesticides, fertilizers
Biological: Crops, livestock numbers
Socio-economic: Farm resident characteristics, expenses, capital value, machinery, off farm work, labour, farm income, tenure
10. **Sampling Procedures:**
National census
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map indicating areas of data holdings:

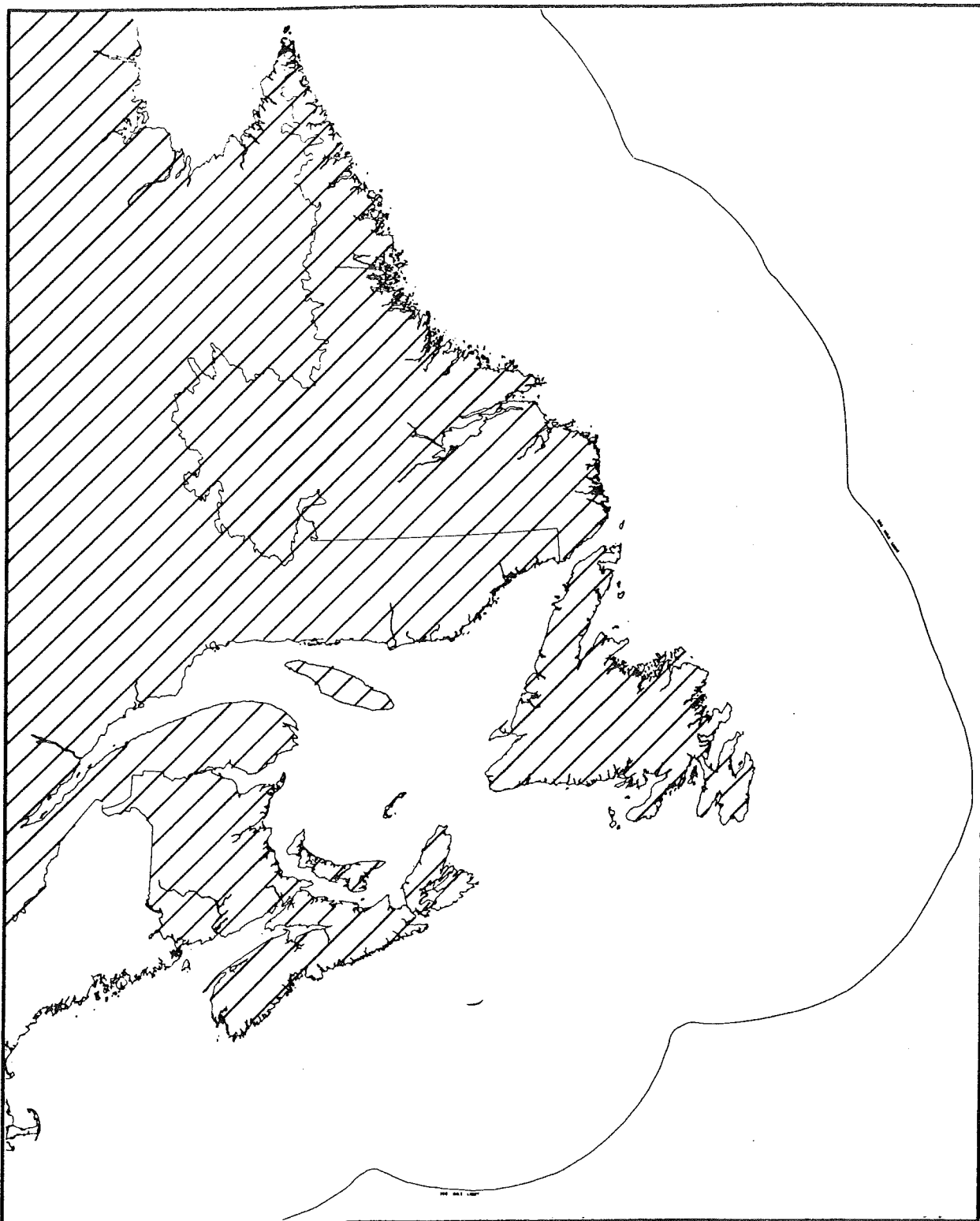


17. Signature: Unverified

Date:

1. **Database Title: Census of Population and Housing**
2. **Contact Person:**
Advisory Services
Regional Office
Statistics Canada
North American Life Centre
1770 Market Street, 3rd Floor
Halifax, Nova Scotia B3J 3M3
Tel (902) 426-6374
3. **Purpose:**
To provide information on population and housing to Canadians
4. **Access/Fees/Restrictions:**
Access: Through contact services listed above
Fees: Cost recovery
Restrictions: Confidentiality protection to avoid disclosure of information on individuals
5. **Geographical Coverage/Scale:**
Canada; (Data are available for a variety of geographic levels ranging in size from provinces to neighbourhoods, both standard geographic areas (e.g., municipalities) and regions defined to user specifications)
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Machine readable micro-database since 1971, earlier files in published format
Updated every 5 years
8. **Format:**
Digital: Machine-readable files
Hard-copy: Reports, microfiche, maps
9. **Data Types/Parameters Measured:**
Socio-economic: Characteristics of individuals - basic demographics, mobility, language, ethnicity, immigration, education, labour force activity, occupation, industry, income; Characteristics of families, households and dwellings
10. **Sampling Procedures:**
Basic demographic information collected on a 100% basis; more detailed socio-economic information collected from a 20% sample
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

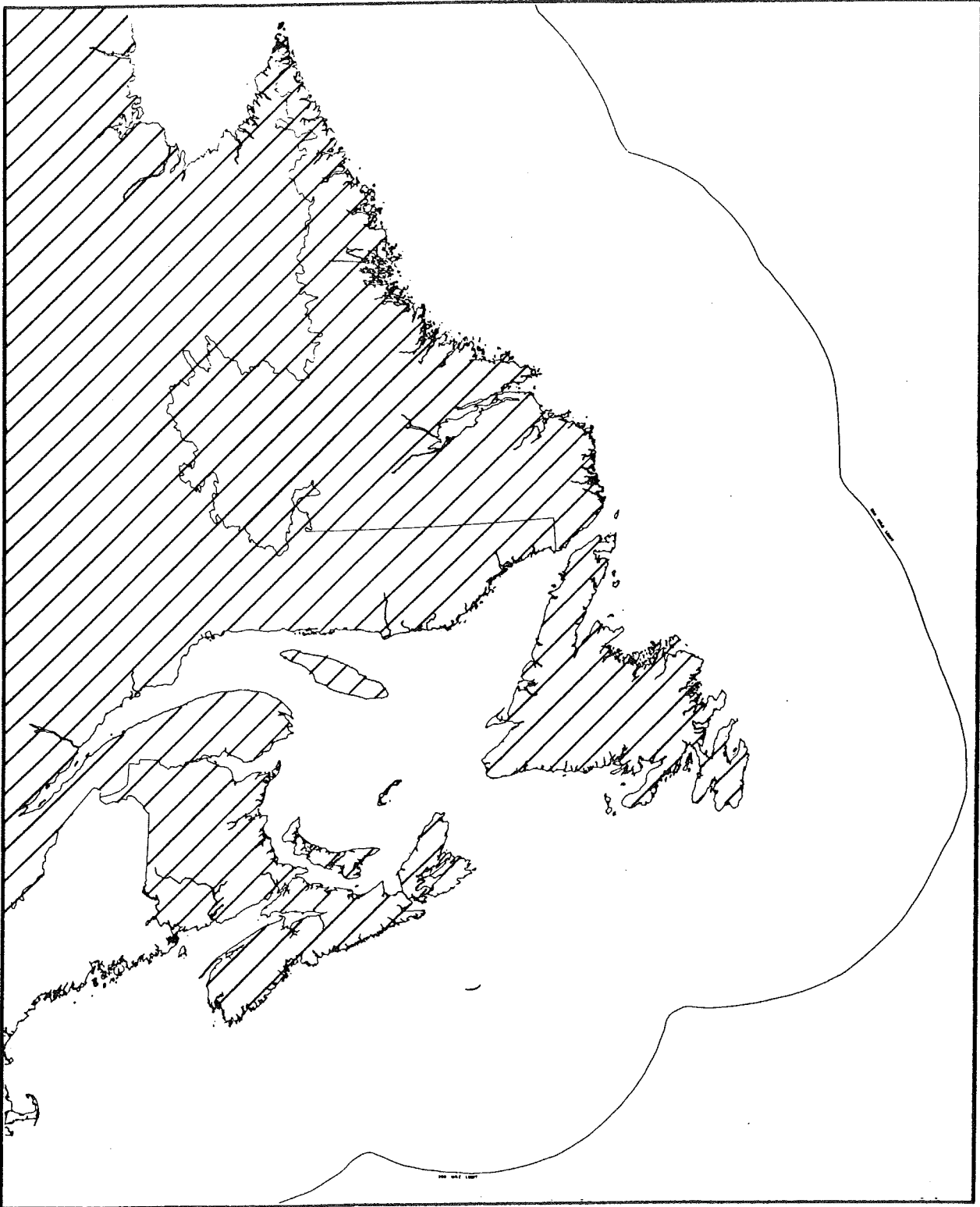


17. Signature: Unverified

Date:

1. **Database Title: Charitable Donations**
2. **Contact Person:**
Advisory Services
Regional Office
Statistics Canada
North American Life Centre
1770 Market Street, 3rd Floor
Halifax, Nova Scotia B3J 3M3
Tel (902) 426-6374; Fax (902) 426-9538
3. **Purpose:**
4. **Access/Fees/Restrictions:**
Access: Through contact services listed in 2. above
Fees: Cost recovery - published price list
Restrictions: Confidentiality of Canadians is protected. Numbers are rounded and data may be suppressed to avoid residual disclosure when geographic areas comprise fewer than 100 taxfilers, or characteristics are shared by fewer than 15 taxfilers.
5. **Geographical Coverage/Scale:**
Canada, Provinces/Territories, CMAs, CDs, Postal Geography and user defined areas
6. **Geographical Referencing:**
Data are also available for Canada and for provinces/territories. For postal geography, data are available (subject to confidentiality restrictions) for areas as small as a letter carrier walk, FSA, Rural routes, cities, etc.
7. **Period of Record/Update Frequency:**
Updated annually from tax returns filed in the spring of each year. The data are released late in the same year, e.g., 1991 data are released in 1992.
8. **Format:**
Digital: ASCII format on Diskettes; ASCII or EBCDIC format on Magnetic tapes, (1600 or 6250 BPI)
Hard-copy
9. **Data Types/Parameters Measured:**
Total number of taxfilers; number of donors, age groups and total and median donations as well as median age of donors
10. **Sampling Procedures:**
Direct counts from tax file (100% data)
11. **Program Type:**
See 10. above
12. **Size/Growth:**
Data taken from taxfiler records and represent nearly 70% of all Canadians. Record growth is determined by the number of Canadians filing tax returns (between 1985 and 1990, the percentage rose by nearly 10%).
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating System:
Software: System:
15. **Comments:**
Charitable Donations is a portion of a complete financial database.

16. **Map Indicating areas of data holdings:**

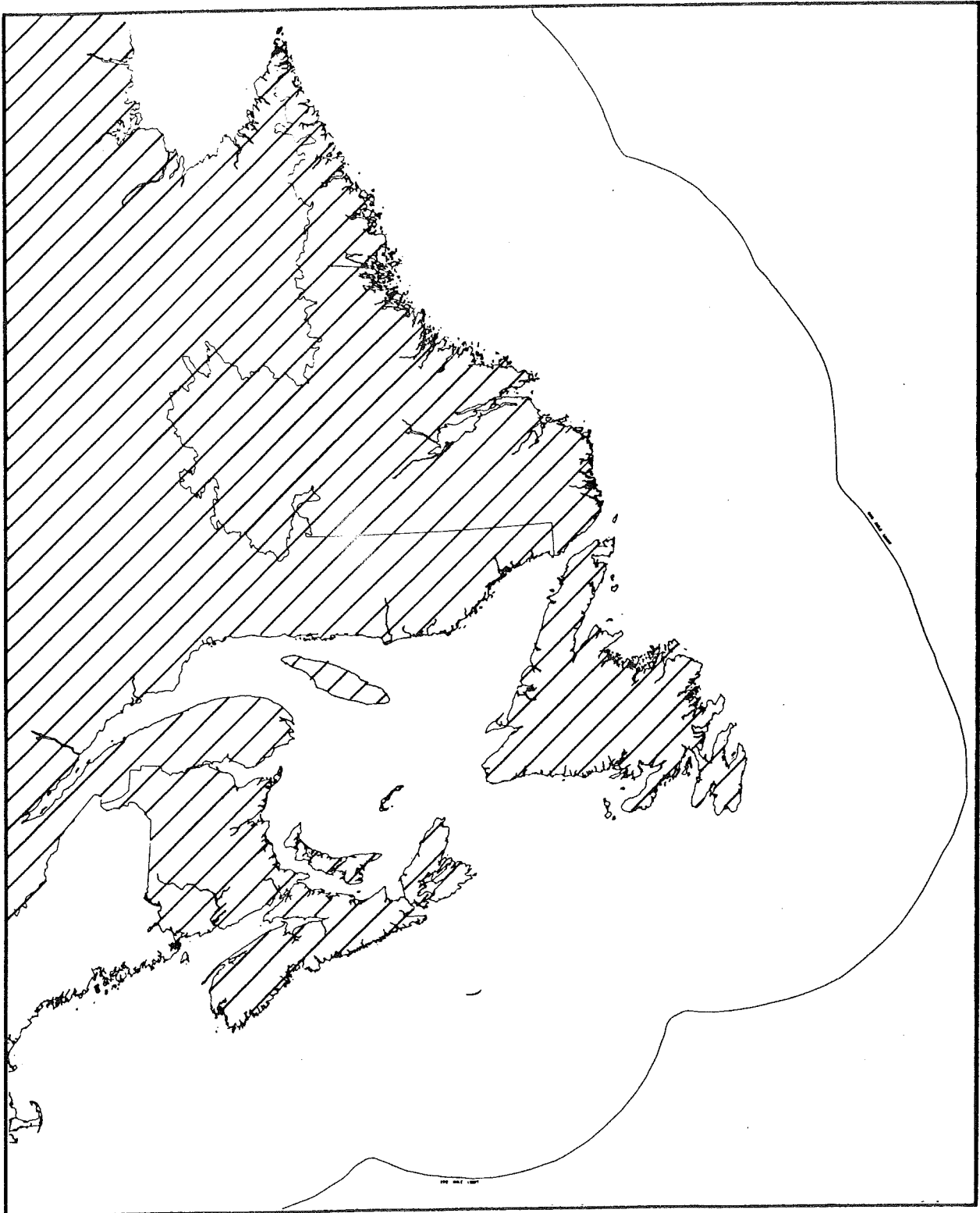


17. **Signature:** Verified

Date: August 24, 1992

1. **Database Title: Economic Dependency Profile**
2. **Contact Person:**
Advisory Services
Regional Office, Statistics Canada
North American Life Centre
1770 Market Street, 3rd Floor
Halifax, Nova Scotia B3J 3M3
Tel (902) 426-6374; Fax (902) 426-9538
3. **Purpose:**
To provide data showing the impact of social benefit programs on financial status in geographic areas of Canada. This impact is shown through the ratio of transfer payments to total employment income and is useful for the assessment of sociological and financial status of Canadians in specific geographic areas.
4. **Access/Fees/Restrictions:**
Access: Through contact services listed in 2. above
Fees: Cost recovery - published price list
Restrictions: Confidentiality of Canadians is protected. Numbers are rounded and data may be suppressed to avoid residual disclosure when geographic areas comprise fewer than 100 taxfilers, or characteristics are shared by fewer than 15 taxfilers.
5. **Geographical Coverage/Scale:**
Canada, Provinces/Territories, CMAs, CDs, Postal Geography and user defined areas.
6. **Geographical Referencing:**
For postal geography, data are available (subject to confidentiality restrictions), for areas as small as a letter carrier walk, FSA, Rural routes, cities, etc. Census area data are produced from an agglomeration of the data in the postal areas that make up the area within the boundaries of the census areas.
7. **Period of Record/Update Frequency:**
Updated annually from tax returns filed in the spring of each year. Data released late in the same year, e.g., 1991 data are released in 1992.
8. **Format:**
Digital: ASCII format on Diskette; ASCII or EBCDIC format on Magnetic tape (1600 or 6250 BPI)
Hard-copy
9. **Data Types/Parameters Measured:**
Number of taxfilers by gender and each type of transfer payment and employment income; amount reported by transfer payment; ratio of transfer payment dollars to every hundred dollars of employment income (EDR); provincial and Canadian index expressed as a percentage of the EDR for the province or Canada
10. **Sampling Procedures:** Direct counts from tax file (100% data)
11. **Program Type:** See 10. above
12. **Size/Growth:** Data taken from taxfiler records and represent nearly 70% of all Canadians. Record growth is determined by the number of Canadians filing tax returns (between 1985 and 1990, the percentage rose by nearly 10%).
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
15. **Comments:** The data available for different years may vary with changes to the Income Tax Returns, specifically with regard to taxable and non-taxable income and tax credits.

16. Map Indicating areas of data holdings:

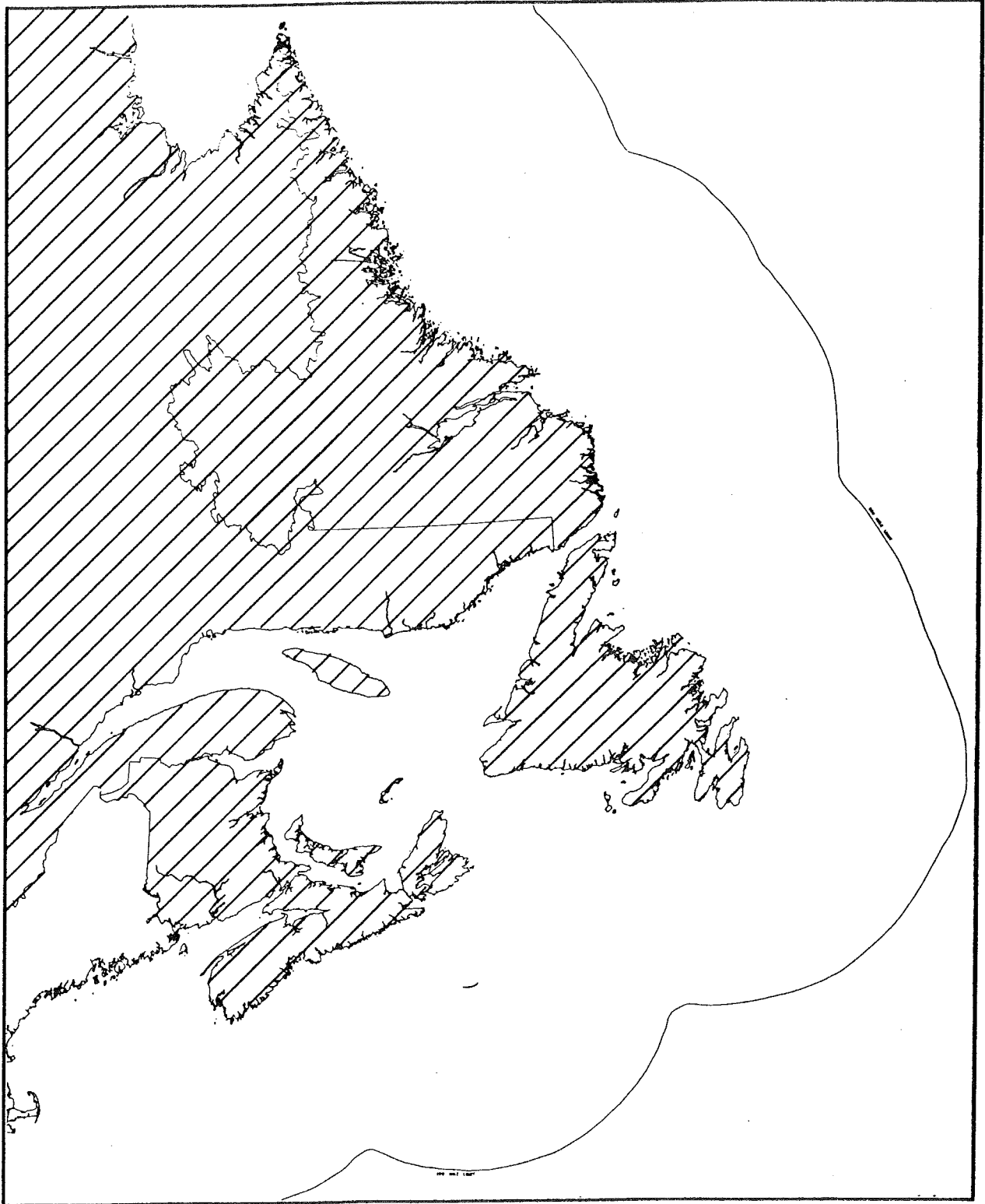


17. Signature: Verified

Date: August 24, 1992

1. **Database Title: Family Data: Husband/Wife, Lone Parent and Non-Family Persons**
2. **Contact Person:**
Advisory Services
Regional Office, Statistics Canada
North American Life Centre
1770 Market Street, 3rd Floor
Halifax, Nova Scotia B3J 3M3
Tel (902) 426-6374; Fax (902) 426-9538
3. **Purpose:**
The data provide income figures representing both full-time and part-time employment income as well as the ratio of contribution to total family income by members of the family unit. The data are useful for the assessment of the financial status of Canadians in specific geographic areas.
4. **Access/Fees/Restrictions:**
Access: Through contact services listed in 2. above
Fees: Cost recovery - published price list
Restrictions: Confidentiality of Canadians is protected. Numbers are rounded and data may be suppressed to avoid residual disclosure when geographic areas comprise fewer than 100 taxfilers, or characteristics are shared by fewer than 15 taxfilers.
5. **Geographical Coverage/Scale:**
Canada, Provinces/Territories, CMAs, CDs, Postal Geography and user defined areas.
6. **Geographical Referencing:**
For postal geography, data are available (subject to confidentiality restrictions), for areas as small as a letter carrier walk, FSA, Rural routes, cities, etc. Census area data are produced from an agglomeration of the data in the postal areas that make up the area within the boundaries of the census areas.
7. **Period of Record/Update Frequency:**
Updated annually from tax returns filed in the spring of each year. Data released late in the same year, e.g., 1991 data are released in 1992.
8. **Format:**
Digital: ASCII format on Diskette; ASCII or EBCDIC format on Magnetic tape (1600 or 6250 BPI)
Hard-copy
9. **Data Types/Parameters Measured:**
Distribution by age of various family and non-family members; distribution of families by age of spouse, by number of children, by age of children, by family income; average family size by age of older spouse and by age of children; median family incomes; source of income; incidence of Unemployment Insurance; wife's age and percentage of income to total family income
10. **Sampling Procedures:** Direct counts from tax file (100% data)
11. **Program Type:** See 10. above
12. **Size/Growth:**
Data taken from taxfiler records and represent nearly 70% of all Canadians. Record growth is determined by the number of Canadians filing tax returns (between 1985 and 1990, the percentage rose by nearly 10%).
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
15. **Comments:** The data available for different years may vary with changes to the Income Tax Returns, specifically with regard to taxable and non-taxable income and tax credits.

16. Map Indicating areas of data holdings:

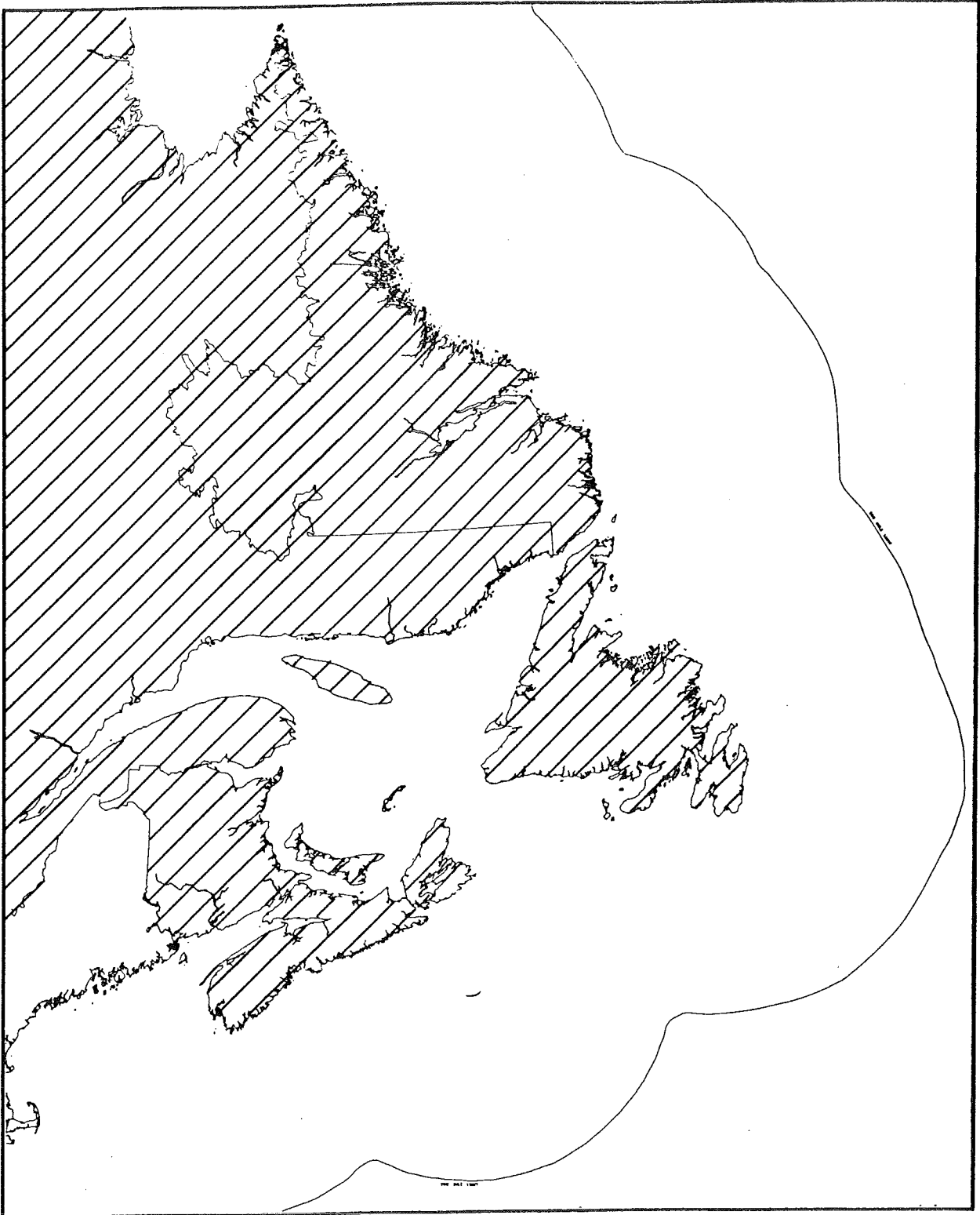


17. Signature: Verified

Date: August 24, 1992

1. **Database Title: Investment Income**
2. **Contact Person:**
Advisory Services
Regional Office
Statistics Canada
North American Life Centre
1770 Market Street, 3rd Floor
Halifax, Nova Scotia B3J 3M3
Tel (902) 426-6374; Fax (902) 426-9538
3. **Purpose:**
The data, providing financial market data for small and large geographic areas, are of particular interest to the financial services community.
4. **Access/Fees/Restrictions:**
Access: Through contact services listed in 2. above
Fees: Cost recovery - published price list
Restrictions: Confidentiality of Canadians is protected. Numbers are rounded and data may be suppressed to avoid residual disclosure when geographic areas comprise fewer than 100 taxfilers, or characteristics are shared by fewer than 15 taxfilers.
5. **Geographical Coverage/Scale:**
Canada, Provinces/Territories, CMAs, CDs, Postal Geography and user defined areas.
6. **Geographical Referencing:**
Data are also available for Canada and for provinces/territories. For postal geography, data are available (subject to confidentiality restrictions), for areas as small as a letter carrier walk, FSA, Rural routes, cities, etc.
7. **Period of Record/Update Frequency:**
Updated annually from tax returns filed in the spring of each year. Data released late in the same year, e.g., 1991 data are released in 1992.
8. **Format:**
Digital: ASCII format on Diskette; ASCII or EBCDIC format on Magnetic tape (1600 or 6250 BPI)
Hard-copy
9. **Data Types/Parameters Measured:**
Total number of taxfilers
Number of receivers of investment income, average age, median total income, total investment income and the median investment income
10. **Sampling Procedures:**
Direct counts from tax file (100% data)
11. **Program Type:**
See 10. above
12. **Size/Growth:**
Data taken from taxfiler records and represent nearly 70% of all Canadians. Record growth is determined by the number of Canadians filing tax returns (between 1985 and 1990, the percentage rose by nearly 10%).
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
15. **Comments:**
Investment Income is a portion of a complete financial database.

16. Map indicating areas of data holdings:

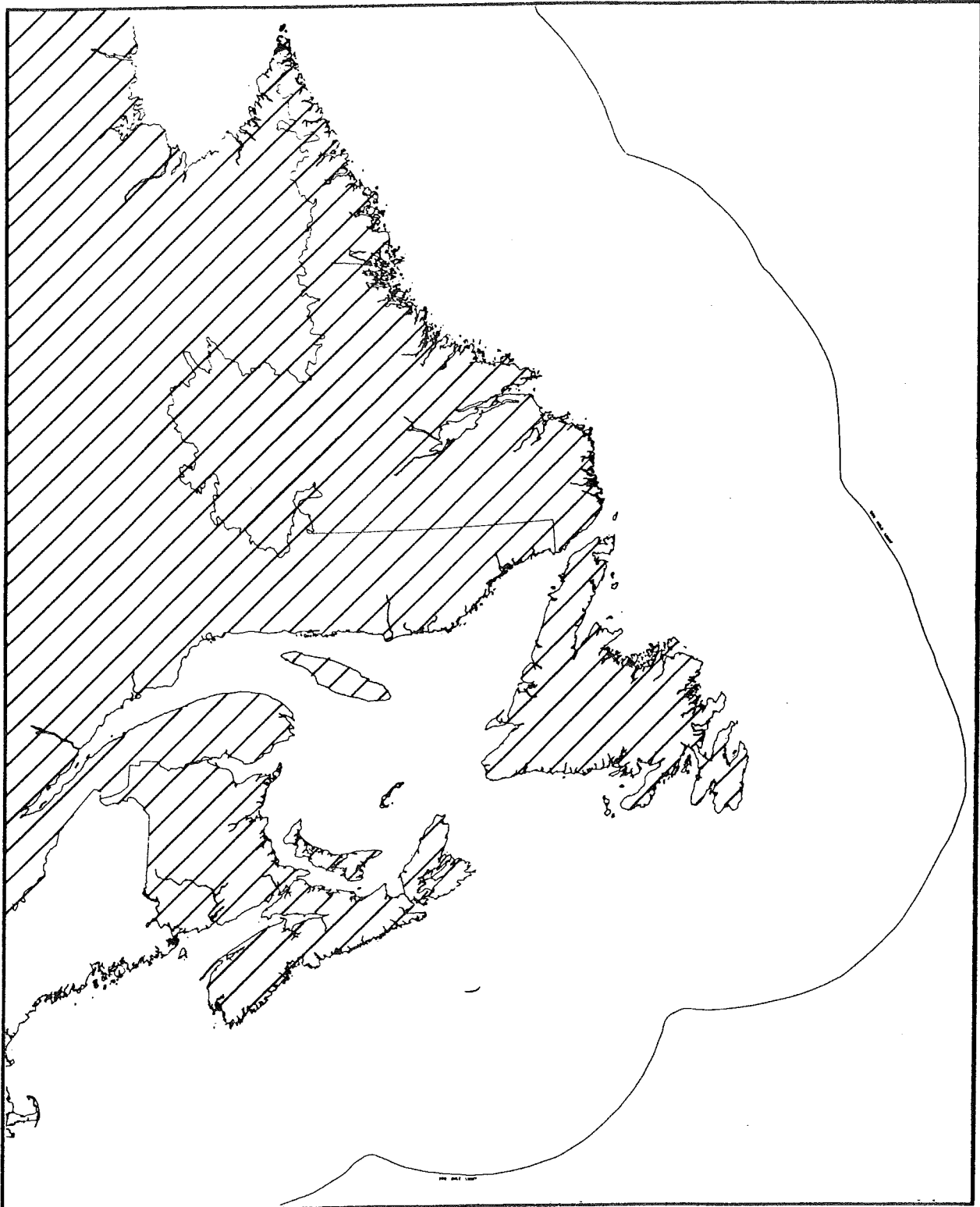


17. Signature: Verified

Date: August 24, 1992

1. **Database Title: Investors**
2. **Contact Person:**
Advisory Services
Regional Office
Statistics Canada
North American Life Centre
1770 Market Street, 3rd Floor
Halifax, Nova Scotia B3J 3M3
Tel (902) 426-6374; Fax (902) 426-9538
3. **Purpose:**
The data are of particular interest to the financial services community, providing financial market data for small geographic areas
4. **Access/Fees/Restrictions:**
Access: Through contact services listed in 2. above
Fees: Cost recovery - published price list
Restrictions: Confidentiality of Canadians is protected. Numbers are rounded and data may be suppressed to avoid residual disclosure when geographic areas comprise fewer than 100 taxfilers, or characteristics are shared by fewer than 15 taxfilers.
5. **Geographical Coverage/Scale:**
Canada, Provinces/Territories, CMAs, CDs, Postal Geography and user defined areas.
6. **Geographical Referencing:**
Data are also available for Canada and for provinces/territories. For postal geography, data are available (subject to confidentiality restrictions), for areas as small as a letter carrier walk, FSA, Rural routes, cities, etc.
7. **Period of Record/Update Frequency:**
Updated annually from tax returns filed in the spring of each year. Data released late in the same year, e.g., 1991 data are released in 1992.
8. **Format:**
Digital: ASCII format on Diskette; ASCII or EBCDIC format on Magnetic tape (1600 or 6250 BPI)
Hard-copy
9. **Data Types/Parameters Measured:**
Total number of taxfilers
Number of taxfilers investing and reporting investment income, average age, median income, total investment income and the median investment income
10. **Sampling Procedures:**
Direct counts from tax file (100% data)
11. **Program Type:**
See 10. above
12. **Size/Growth:**
Data taken from taxfiler records, and represent nearly 70% of all Canadians. Record growth is determined by the number of Canadians filing tax returns (between 1985 and 1990, the percentage rose by nearly 10%).
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
15. **Comments:**
Investors is a portion of a complete financial database.

16. Map indicating areas of data holdings:

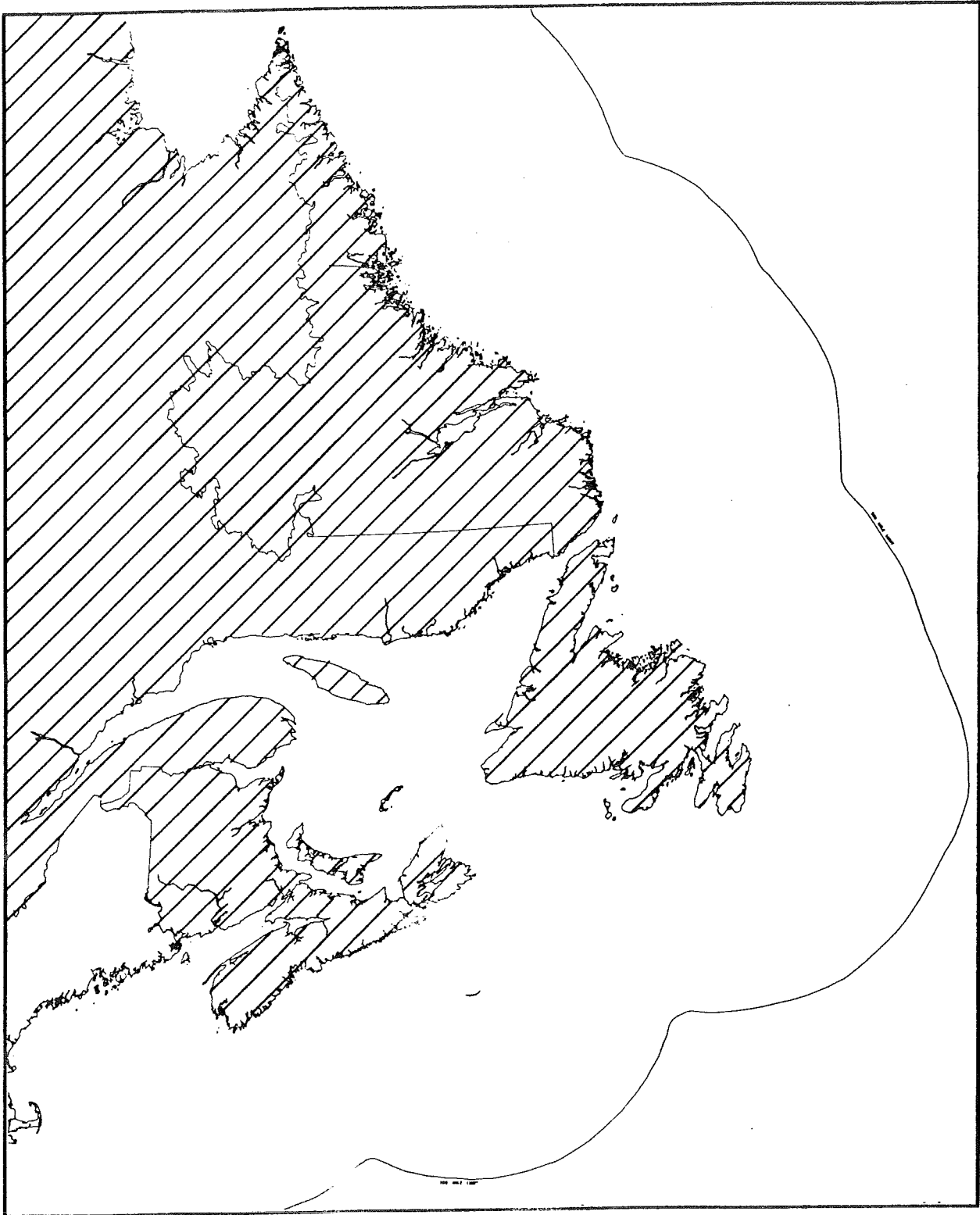


17. Signature: Verified

Date: August 24, 1992

1. **Database Title: Labour Force Income Profile**
2. **Contact Person:**
Advisory Services
Regional Office, Statistics Canada
North American Life Centre
1770 Market Street, 3rd Floor
Halifax, Nova Scotia B3J 3M3
Tel (902) 426-6374; Fax (902) 426-9538
3. **Purpose:**
The data profile contains counts and total income data as well as counts and sources of income for all taxfilers in the labour force, both full-time and part-time. The data are useful for the assessment of the sociological and financial status of Canadians in specific geographic areas.
4. **Access/Fees/Restrictions:**
Access: Through contact services listed in 2. above
Fees: Cost recovery - published price list
Restrictions: Confidentiality of Canadians is protected. Numbers are rounded and data may be suppressed to avoid residual disclosure when geographic areas comprise fewer than 100 taxfilers, or characteristics are shared by fewer than 15 taxfilers.
5. **Geographical Coverage/Scale:**
Canada, Provinces/Territories, CMAs, CDs, Postal Geography and user defined areas.
6. **Geographical Referencing:**
For postal geography, data are available (subject to confidentiality restrictions), for areas as small as a letter carrier walk, FSA, Rural routes, cities, etc. Census area data are produced from an agglomeration of the data in the postal areas that make up the area within the boundaries of the census areas.
7. **Period of Record/Update Frequency:**
Updated annually from tax returns filed in the spring of each year. Data released late in the same year, e.g., 1991 data are released in 1992.
8. **Format:**
Digital: ASCII format on Diskette; ASCII or EBCDIC format on Magnetic tape (1600 or 6250 BPI)
Hard-copy
9. **Data Types/Parameters Measured:**
Number of taxfilers reporting total income and labour force income; employment, self-employment or unemployment Insurance benefits
Amount of each type of income as well as the median
Index of median income for the geographic area to the provincial and Canadian median income
10. **Sampling Procedures:** Direct counts from tax file (100% data)
11. **Program Type:** See 10. above
12. **Size/Growth:**
Data taken from taxfiler records and represent nearly 70% of all Canadians. Record growth is determined by the number of Canadians filing tax returns (between 1985 and 1990, the percentage rose by nearly 10%).
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
15. **Comments:** The data available for different years may vary with changes to the Income Tax Returns, specifically with regard to taxable and non-taxable income and tax credits.

16. Map Indicating areas of data holdings:

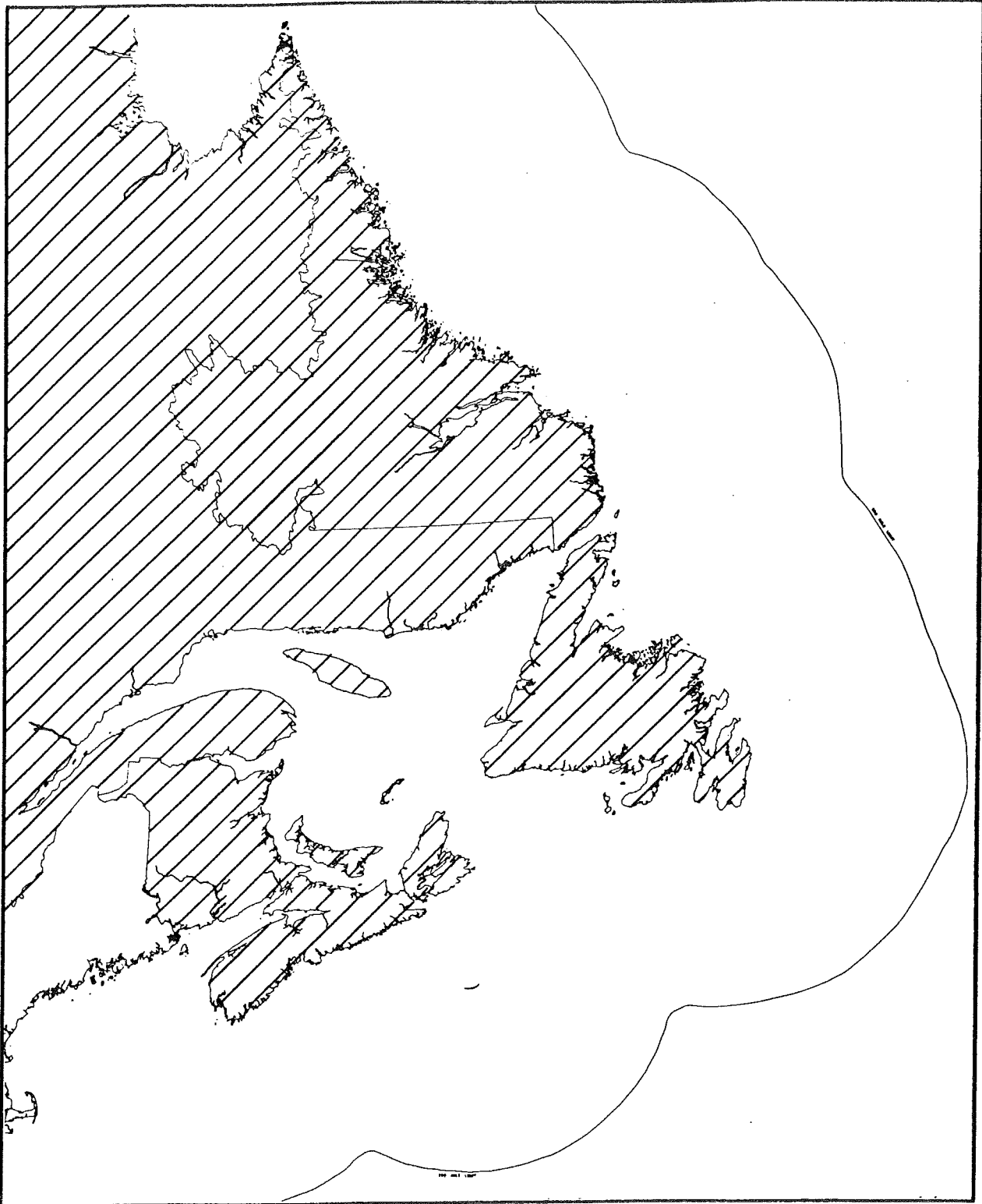


17. Signature: Verified

Date: August 24, 1992

1. **Database Title: Migration Estimates**
2. **Contact Person:**
Advisory Services
Regional Office, Statistics Canada
North American Life Centre
1770 Market Street, 3rd Floor
Halifax, Nova Scotia B3J 3M3
Tel (902) 426-6374; Fax (902) 426-9538
3. **Purpose:**
This report presents migration estimates for all of Canada, by Census Division. Five-year comparisons enable users to see a pattern of movement by Canadians as well as emigration and immigration flows from and to Canada.
4. **Access/Fees/Restrictions:**
Access: Through contact services listed in 2. above
Fees: Cost recovery - published price list
Restrictions: Data is available only by Census Divisions and by Province. Confidentiality of Canadians is protected. Numbers are rounded and data may be suppressed to avoid residual disclosure when geographic areas comprise fewer than 100 taxfilers, or characteristics are shared by fewer than 15 taxfilers.
5. **Geographical Coverage/Scale:**
Census Divisions and for Provinces/Territories
6. **Geographical Referencing:**
Census Divisions and for Provinces/Territories
7. **Period of Record/Update Frequency:**
Updated annually from comparisons of addresses from individual tax returns for two consecutive years. The period of reference extends from April of one year to April of the following year. Data are normally available from 15 to 18 months after the tax filing deadline.
8. **Format:**
Digital: ASCII format on Diskette; ASCII or EBCDIC format on Magnetic tape (1600 or 6250 BPI)
Hard-copy
9. **Data Types/Parameters Measured:**
By province of origin/destination, age group, and type of migration and gender; major flows by Census division of origin/destination.
10. **Sampling Procedures:**
Direct counts from tax file (100% data)
11. **Program Type:** See 10. above
12. **Size/Growth:**
Data taken from taxfiler records and represent nearly 70% of all Canadians. Record growth is determined by the number of Canadians filing tax returns (between 1985 and 1990, the percentage rose by nearly 10%).
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
15. **Comments:**
Preliminary data on international migrations and final data on internal migrations are normally available from 15 to 18 months following the income tax deadline. Final international data is usually available six months later.

16. Map Indicating areas of data holdings:

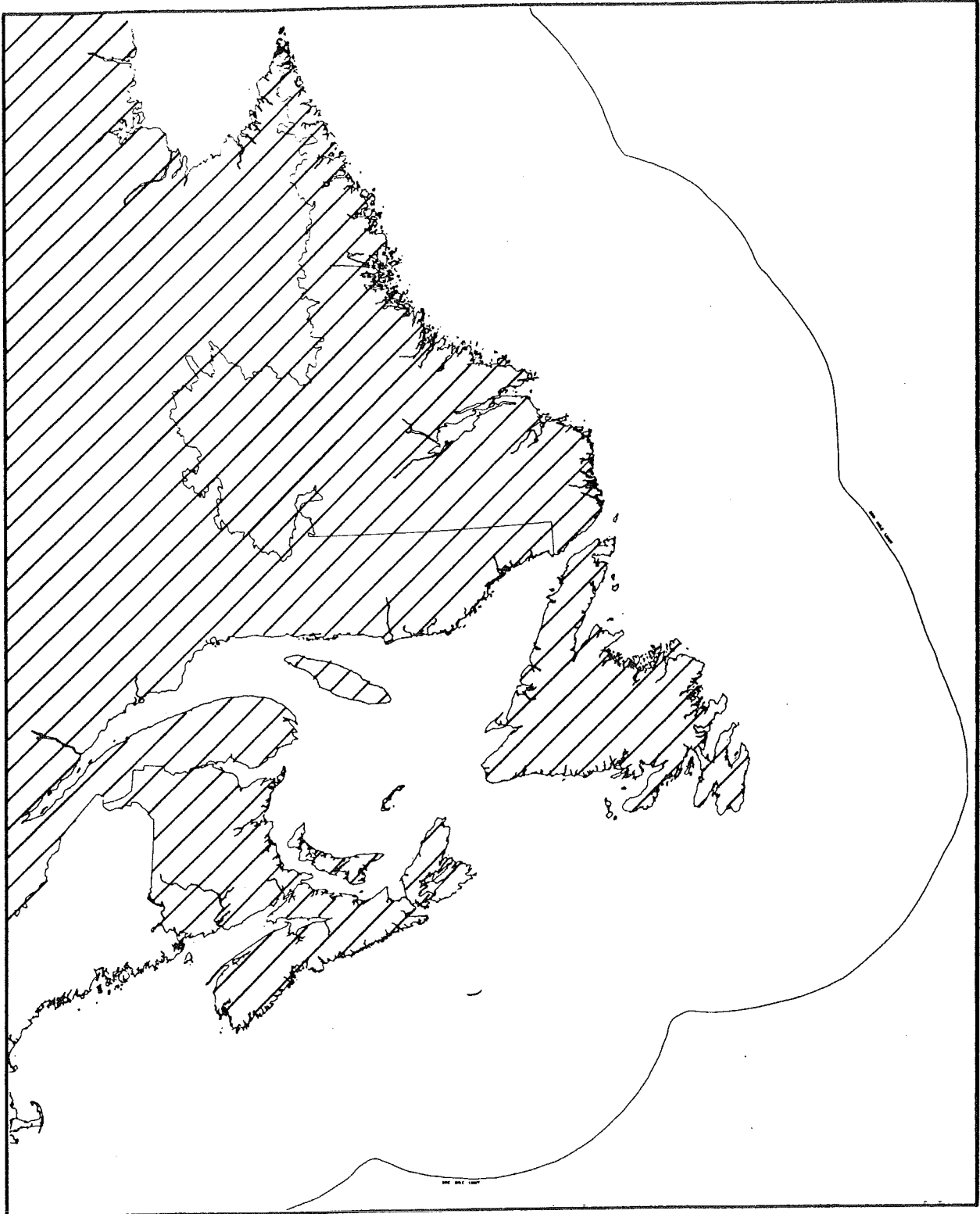


17. Signature: Verified

Date: August 24, 1992

1. **Database Title: Neighbourhood Income and Demographics**
2. **Contact Person:**
Advisory Services
Regional Office, Statistics Canada
North American Life Centre
1770 Market Street, 3rd Floor
Halifax, Nova Scotia B3J 3M3
Tel (902) 426-6374; Fax (902) 426-9538
3. **Purpose:**
To provide data for the assessment of sociological and financial status of Canadians in specific geographic areas
4. **Access/Fees/Restrictions:**
Access: Through contact services listed in 2. above
Fees: Cost recovery - published price list
Restrictions: Confidentiality of Canadians is protected. Numbers are rounded and data may be suppressed to avoid residual disclosure when geographic areas comprise fewer than 100 taxfilers, or characteristics are shared by fewer than 15 taxfilers.
5. **Geographical Coverage/Scale:**
Canada, Provinces/Territories, CMAs, CDs, Postal Geography and user defined areas.
6. **Geographical Referencing:**
For postal geography, data are available (subject to confidentiality restrictions), for areas as small as a letter carrier walk, FSA, Rural routes, cities, etc. Census area data are produced from an agglomeration of the data in the postal areas that make up the area within the boundaries of the census areas.
7. **Period of Record/Update Frequency:**
Updated annually from tax returns filed in the spring of each year. Data released late in the same year, e.g., 1991 data are released in 1992.
8. **Format:**
Digital: ASCII format on Diskette; ASCII or EBCDIC format on Magnetic tape (1600 or 6250 BPI)
Hard-copy
9. **Data Types/Parameters Measured:**
Number of taxfilers by marital status, age group and each source of income; income reported by source of income; number of taxfilers in the labour force and by total income by gender; total income distribution by gender and age group; summary tables including: all taxfilers, taxfilers reporting total income, taxfilers reporting employment income and/or Unemployment Insurance benefits and taxfilers reporting Family Allowance income
10. **Sampling Procedures:** Direct counts from tax file (100% data)
11. **Program Type:** See 10. above
12. **Size/Growth:**
Data taken from taxfiler records and represent nearly 70% of all Canadians. Record growth is determined by the number of Canadians filing tax returns (between 1985 and 1990, the percentage rose by nearly 10%).
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
15. **Comments:** The data available for different years may vary with changes to the Income Tax Returns, specifically with regard to taxable and non-taxable income and tax credits.

16. Map indicating areas of data holdings:

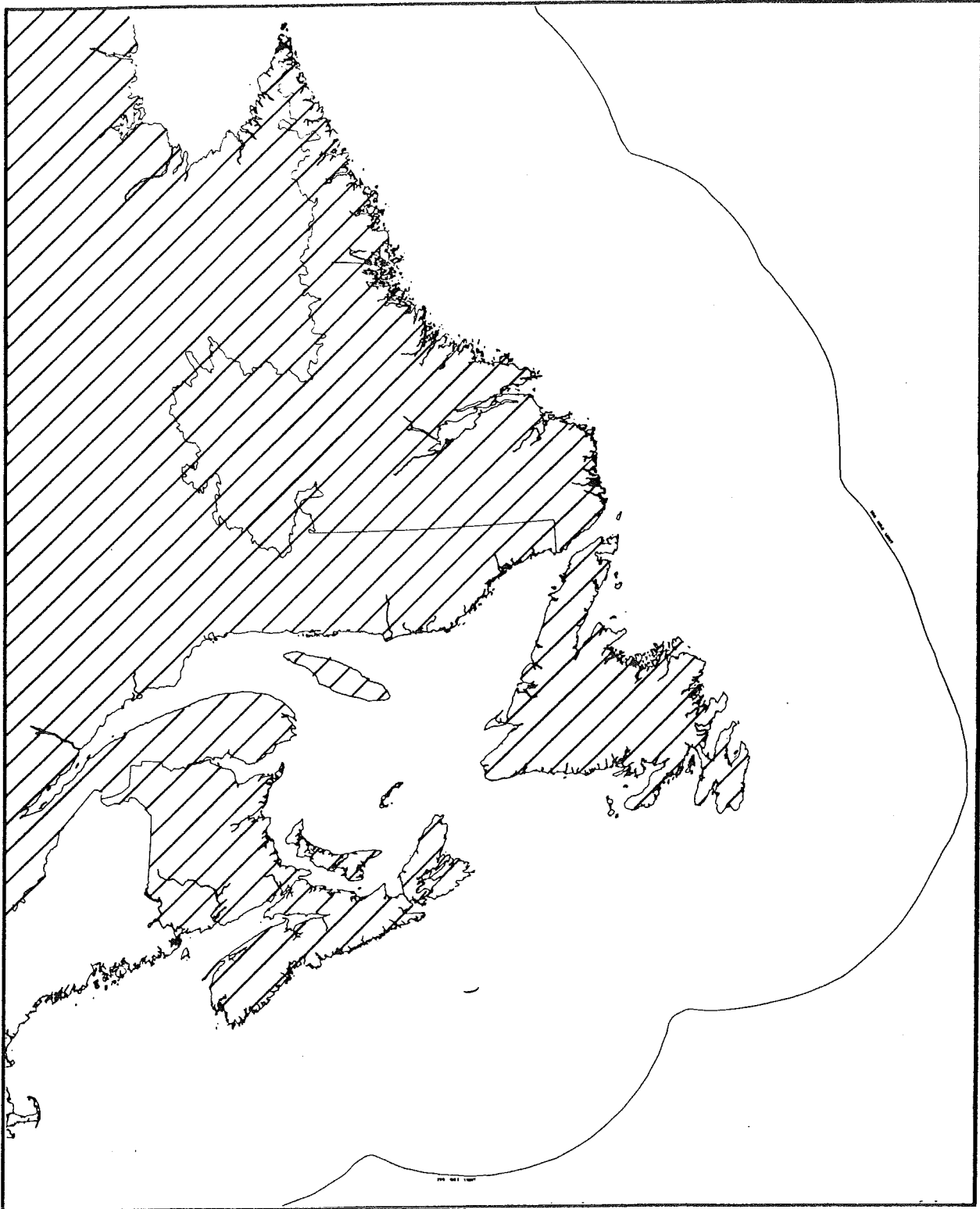


17. Signature: Verified

Date: August 24, 1992

1. **Database Title: RRSP Contributors**
2. **Contact Person:**
Advisory Services
Regional Office
Statistics Canada
North American Life Centre
1770 Market Street, 3rd Floor
Halifax, Nova Scotia B3J 3M3
Tel (902) 426-6374; Fax (902) 426-9538
3. **Purpose:**
The data contain amounts and sources of RRSP contributions and is of particular interest to the financial services community, providing financial market data for small geographic areas.
4. **Access/Fees/Restrictions:**
Access: Through contact services listed in 2. above
Fees: Cost recovery - published price list
Restrictions: Confidentiality of Canadians is protected. Numbers are rounded and data may be suppressed to avoid residual disclosure when geographic areas comprise fewer than 100 taxfilers, or characteristics are shared by fewer than 15 taxfilers.
5. **Geographical Coverage/Scale:**
Canada, Provinces/Territories, CMAs, CDs, Postal Geography and user defined areas.
6. **Geographical Referencing:**
Data are also available for Canada and for provinces/territories. For postal geography, data are available (subject to confidentiality restrictions), for areas as small as a letter carrier walk, FSA, Rural routes, cities, etc.
7. **Period of Record/Update Frequency:**
Updated annually from tax returns filed in the spring of each year. Data released late in the same year, e.g., 1991 data are released in 1992.
8. **Format:**
Digital: ASCII format on Diskette; ASCII or EBCDIC format on Magnetic tape (1600 or 6250 BPI)
Hard-copy
9. **Data Types/Parameters Measured:**
Total number of taxfilers
Number of taxfilers reporting contributions to RRSP, average age, median and 75th percentile employment income and total RRSP amount.
10. **Sampling Procedures:**
Direct counts from tax file (100% data)
11. **Program Type:**
See 10. above
12. **Size/Growth:**
Data taken from taxfiler records and represent nearly 70% of all Canadians. Record growth is determined by the number of Canadians filing tax returns (between 1985 and 1990, the percentage rose by nearly 10%).
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
15. **Comments:**
RRSP Contributions is a portion of a complete financial database.

16. Map Indicating areas of data holdings:

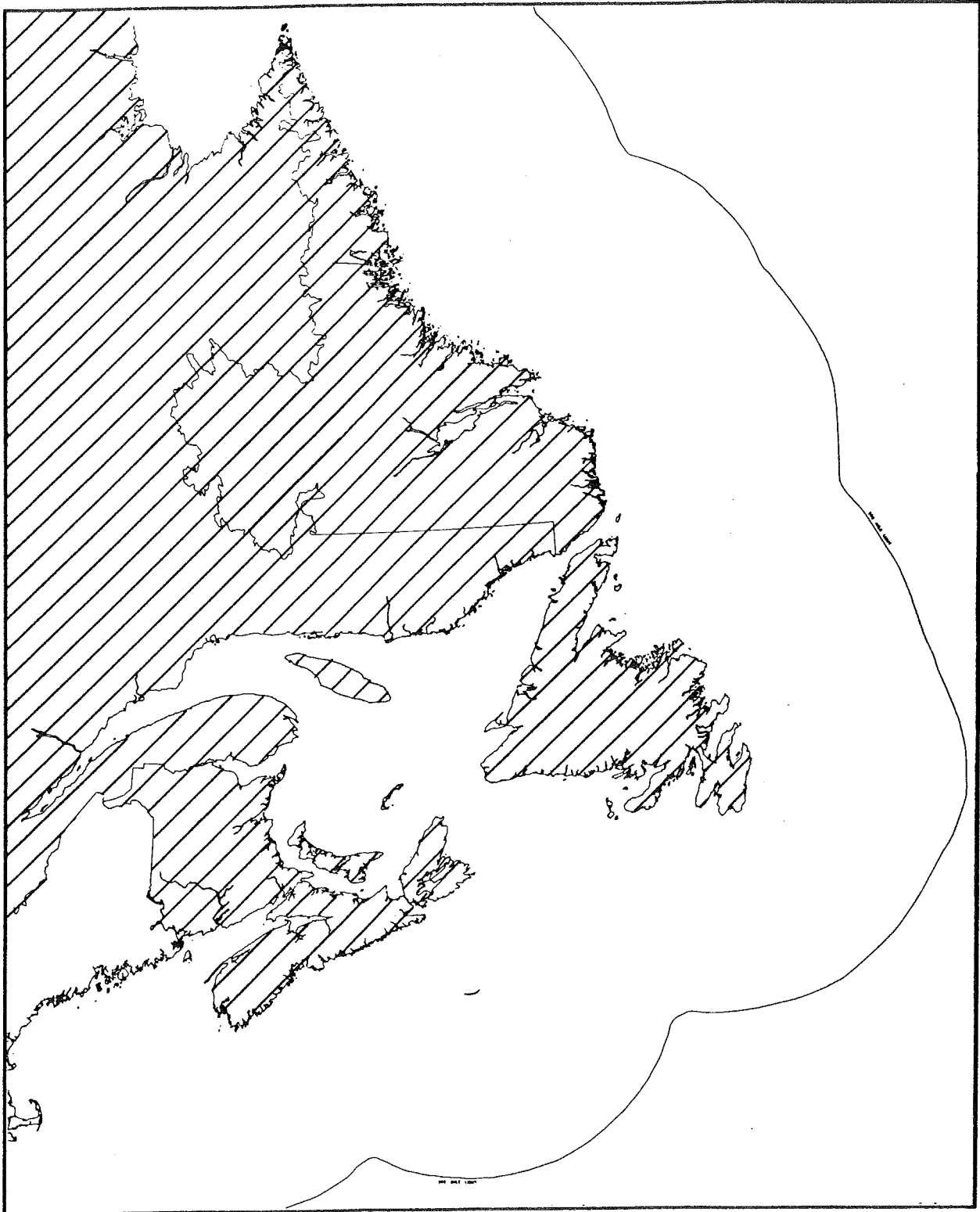


17. Signature: Verified

Date: August 24, 1992

1. **Database Title: Savers**
2. **Contact Person:**
Advisory Services
Regional Office
Statistics Canada
North American Life Centre
1770 Market Street, 3rd Floor
Halifax, Nova Scotia B3J 3M3
Tel (902) 426-6374; Fax (902) 426-9538
3. **Purpose:**
The data, providing financial market data for small and large geographic areas, are of particular interest to the financial services community.
4. **Access/Fees/Restrictions:**
Access: Through contact services listed in 2. above
Fees: Cost recovery - published price list
Restrictions: Confidentiality of Canadians is protected. Numbers are rounded and data may be suppressed to avoid residual disclosure when geographic areas comprise fewer than 100 taxfilers, or characteristics are shared by fewer than 15 taxfilers.
5. **Geographical Coverage/Scale:**
Canada, Provinces/Territories, CMAs, CDs, Postal Geography and user defined areas
6. **Geographical Referencing:**
Data are also available for Canada and for provinces/territories. For postal geography, data are available (subject to confidentiality restrictions), for areas as small as a letter carrier walk, FSA, Rural routes, cities, etc.
7. **Period of Record/Update Frequency:**
Updated annually from tax returns filed in the spring of each year. Data released late in the same year, e.g., 1991 data are released in 1992.
8. **Format:**
Digital: ASCII format on Diskette; ASCII or EBCDIC format on Magnetic tape (1600 or 6250 BPI)
Hard-copy
9. **Data Types/Parameters Measured:**
Total number of taxfilers; number of savers, average age, median total income, total interest received and the median interest
10. **Sampling Procedures:**
Direct counts from tax file (100% data)
11. **Program Type:**
See 10. above
12. **Size/Growth:**
Data taken from taxfiler records and represent nearly 70% of all Canadians. Record growth is determined by the number of Canadians filing tax returns (between 1985 and 1990, the percentage rose by nearly 10%).
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
15. **Comments:**
Canadian Savers is a portion of a complete financial database.

16. Map indicating areas of data holdings:

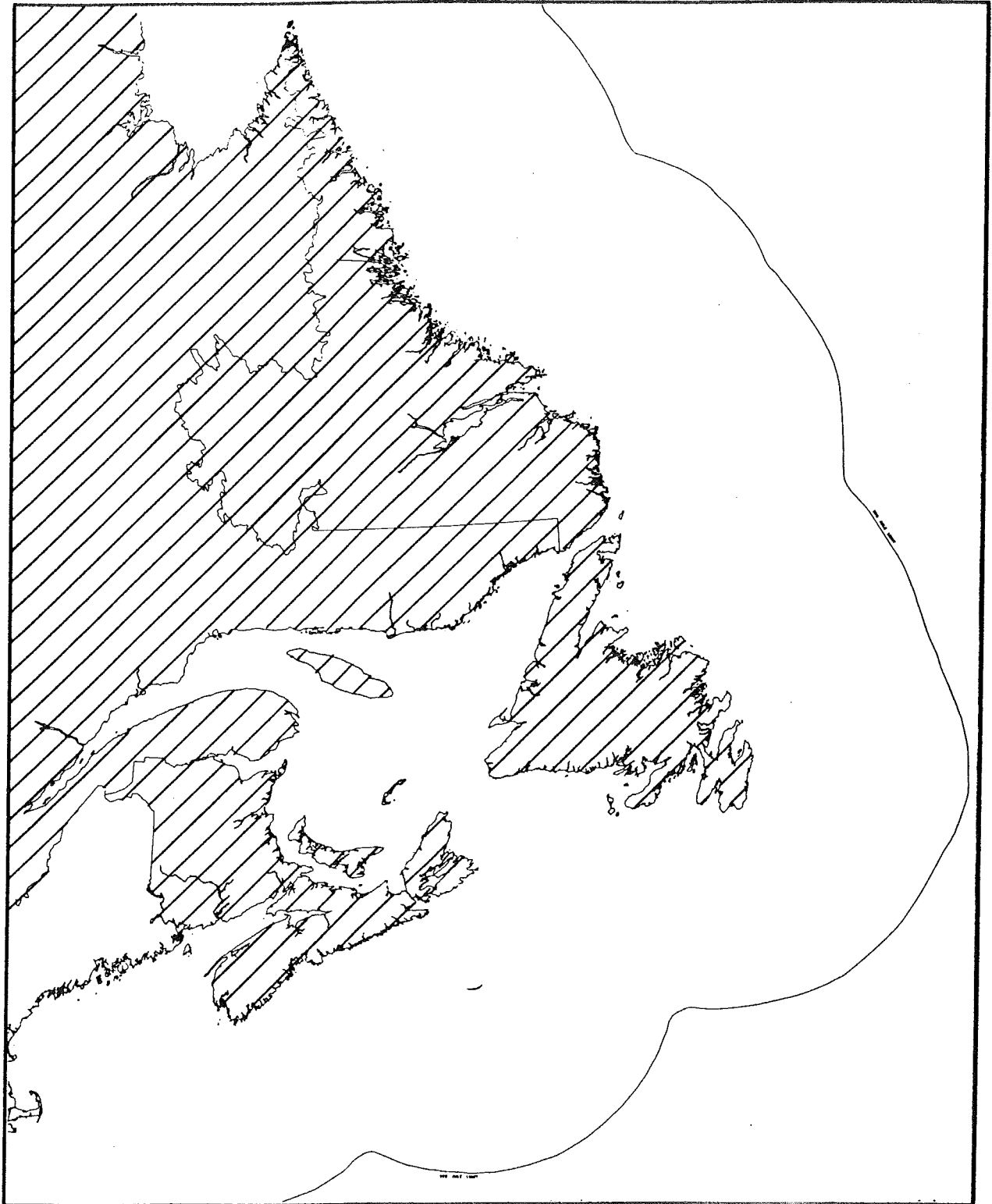


17. Signature: Verified

Date: August 24, 1992

1. **Database Title: Statistics Canada's Environmental Information System**
2. **Contact Person:**
Phillip Fong
Environmental Statistics
National Accounts and Environment Division
Statistics Canada
R.H. Coats Building, 21st Floor
Ottawa, Ontario K1A 0T6
Tel (613) 951-5638; Fax (613) 951-3618
3. **Purpose:**
To support environmental reporting and to serve requests for environmental information
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Cost recovery of accessing data
Restrictions: Restrictions on access to confidential data which is not aggregated
5. **Geographical Coverage/Scale:**
Canada / Units specified by the user; basic building block is usually the Census enumeration area; considerable geographic detail is available
6. **Geographical Referencing:**
Sub sub drainage basins; enumeration area centroids; Lambert Conformal projection
7. **Period of Record/Update Frequency:**
Since 1971, Socio-economic data on 5 year intervals; ongoing update
8. **Format:**
Digital; Hard-copy: Maps, tables
9. **Data Types/Parameters Measured:**
Socio-economic: Industry, agriculture, population statistics; Chemical and physical data from other sources
10. **Sampling Procedures:**
Data acquired from a multitude of existing sources; Statistics Canada, Environment Canada, other government departments
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
Approximately 1000 variables; updates tied to release of Census information
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP720 server plus workstations
Operating system: UNIX
Software: ARC/INFO, Lotus123, SAS
15. **Comments:**
Coverages by drainage basin and ecological areas and other geographical units of environmental relevance are an integral part of the database. Statistics can be retabulated to geographic and thematic units of interest to user. Socio-economic data supports analysis of the environmental implications of human activities. The development of the database is still in progress. It will consist of 3 parts: 1) geographical information system; 2) tabular component; 3) database reference system. Statistics Canada provides data to the United Nations and OECD.

16. Map indicating areas of data holdings:

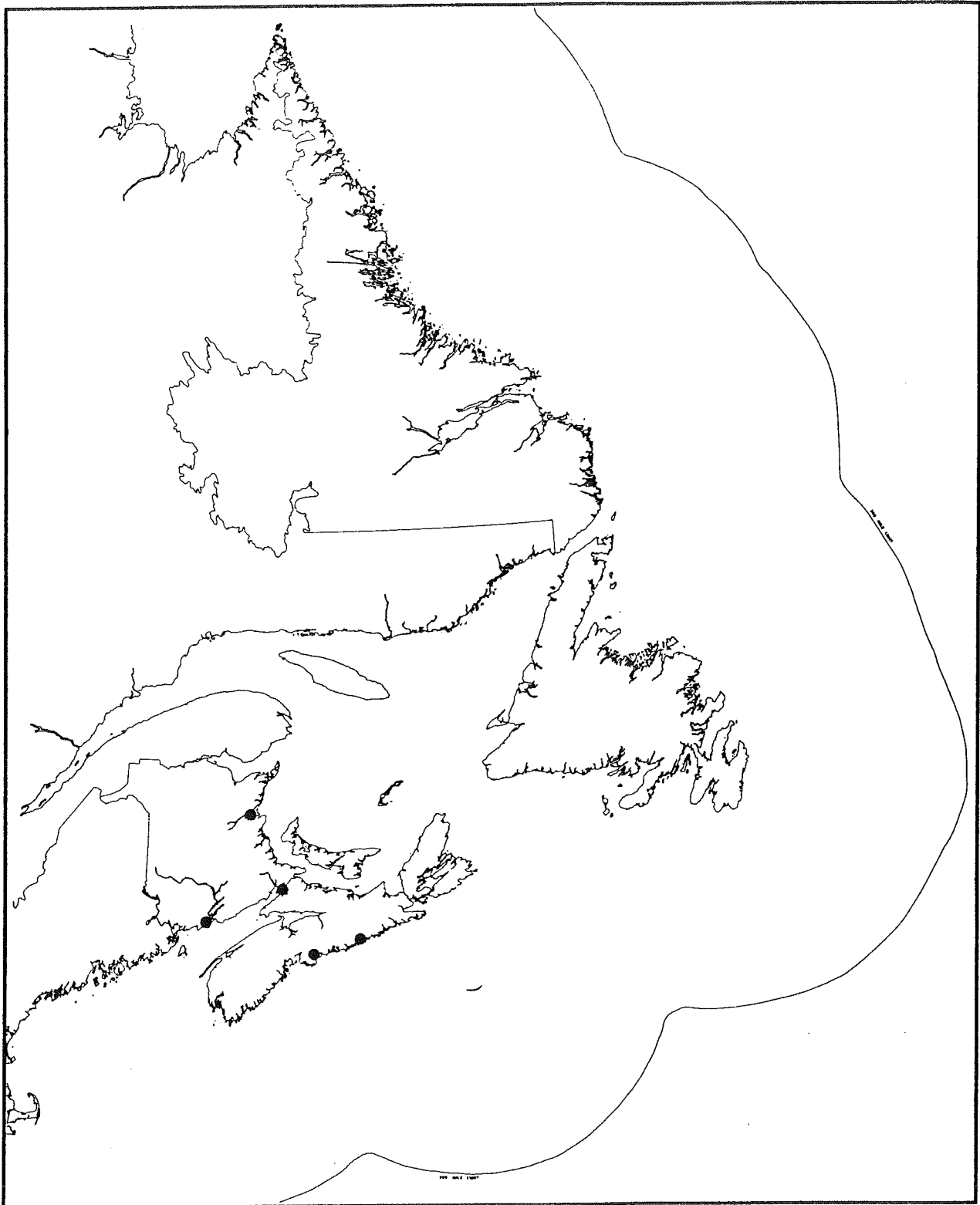


17. Signature: Verified

Date: July 6, 1992

1. **Database Title: Hydrodynamic Simulations of Selected Inlets**
2. **Contact Person:**
Sylvain de Margerie
ASA Consulting Ltd
PO Box 2025
Dartmouth East, Nova Scotia B2W 3X8
Tel (902) 465-5535
3. **Purpose:**
To quantify currents and water level variability in selected inlets to be used for further calculations on sediment and contaminant transport
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Yet to be determined
Restrictions: Access granted if client gives permission
5. **Geographical Coverage/Scale:**
Nova Scotia and New Brunswick - Cumberland Basin, Musquash Harbour, Miramichi Bay, Halifax Harbour, Sheet Harbour
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Additional inlets occasionally added
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical: Currents, water levels, bathymetry
10. **Sampling Procedures:**
Tidal records and Canadian Hydrographic Charts
11. **Program Type:**
Research
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC
Operating system:
Software: In-house
15. **Comments:**
ASA has also developed a tidal information system (902-426-5494) for public use.
Database on hydrodynamics can be used for studies on water transport, pathogens or BOD.

16. Map Indicating areas of data holdings:

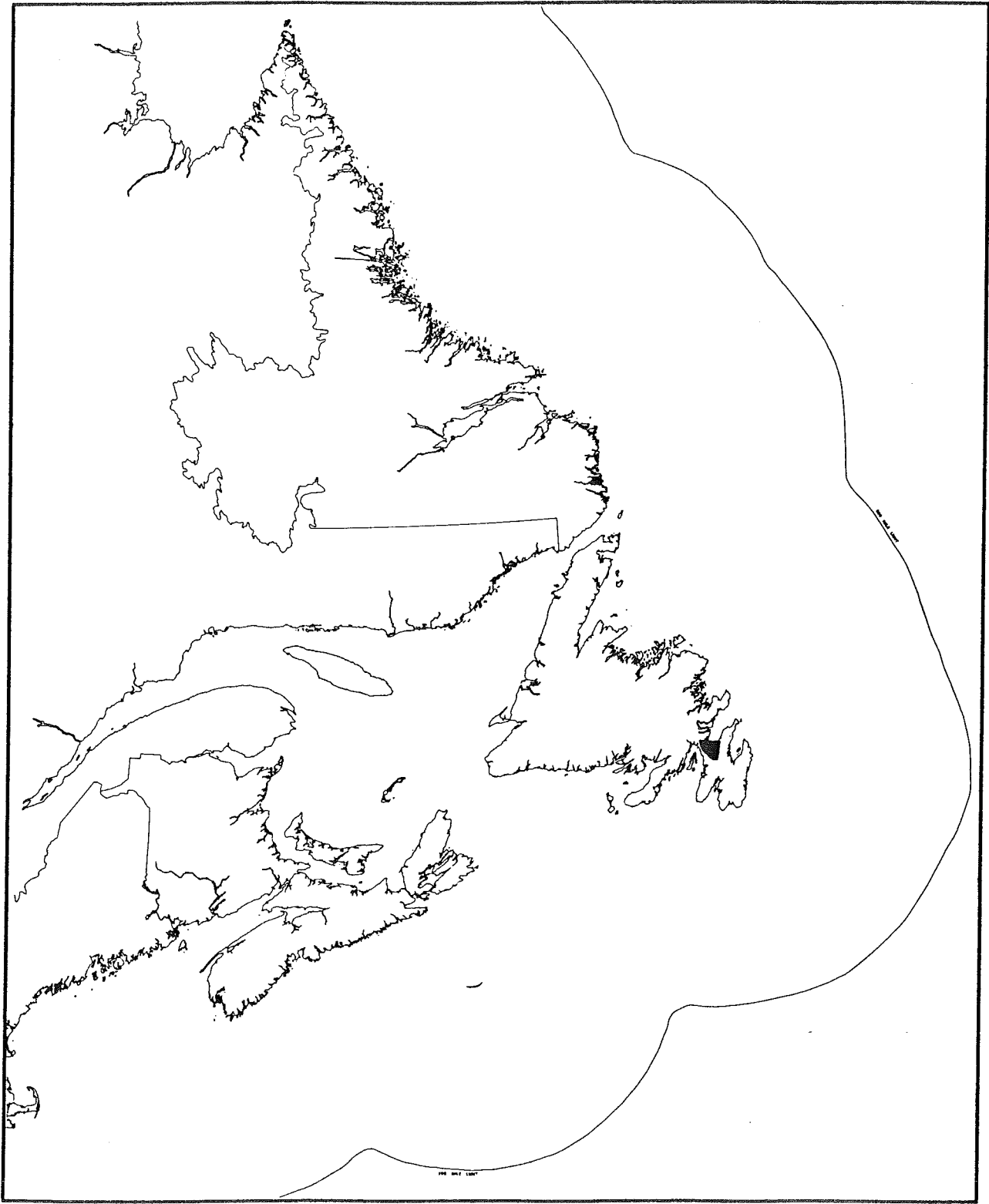


17. Signature: Unverified

Date:

1. **Database Title:** Hibernia Development Project Bull Arm Environmental Effects Monitoring
2. **Contact Person:**
Leslie Grattan
Environmental Supervisor
Hibernia Management and Development Company Ltd (HMDC)
100 New Gower Street, Suite 1000
St. John's, Newfoundland A1C 6K3
Tel (709) 778-7278; Fax (709) 753-2728
3. **Purpose:**
To monitor the environmental impact of the Hibernia offshore platform construction on the biophysical environment of Bull Arm, Trinity Bay, Newfoundland
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: Written approval required from HMDC prior to citing this database
5. **Geographical Coverage/Scale:**
Southern Trinity Bay from Deer Harbour to Green's Harbour with monitoring concentrated on the Bull Arm area
6. **Geographical Referencing:**
Latitude/Longitude
7. **Period of Record/Update Frequency:**
Annual monitoring from 1991 to 1996. Some components monitored weekly, monthly or quarterly depending on the nature of the program. Otter Monitoring Program discontinued in January 1992.
8. **Format:**
Digital; Hard-copy
9. **Data Types/Parameters Measured:**
Activity status of otter landing sites; presence of stranded oiled seabirds; raptor nesting activity and fledging success; mussel contaminant bioaccumulation (metals and PAHs); gill histopathology and liver/bile MFO enzymes in winter flounder; heavy metals, total HCs, PAH, sediment grain size, TOC/TIC; TSS and turbidity
10. **Sampling Procedures:**
Field surveys/measurements supported by laboratory analyses (when relevant)
11. **Program Type:**
Monitoring
12. **Size/Growth:**
Number of records varies with program component; updated annually
13. **Environmental Legislation relevant to this data:**
Monitoring at Bull Arm is undertaken in fulfilment of commitments made to the Hibernia Construction Sites Environmental Management Committee (HCSEMC) which oversees all environmental aspects of site construction.
14. **Computer System:**
Host computer: Macintosh Ilci; Operating System: System 607; Software: Microsoft Excel
15. **Comments:**
Provisions for comprehensive database management of this database are currently being considered by HMDC.

16. Map Indicating areas of data holdings:

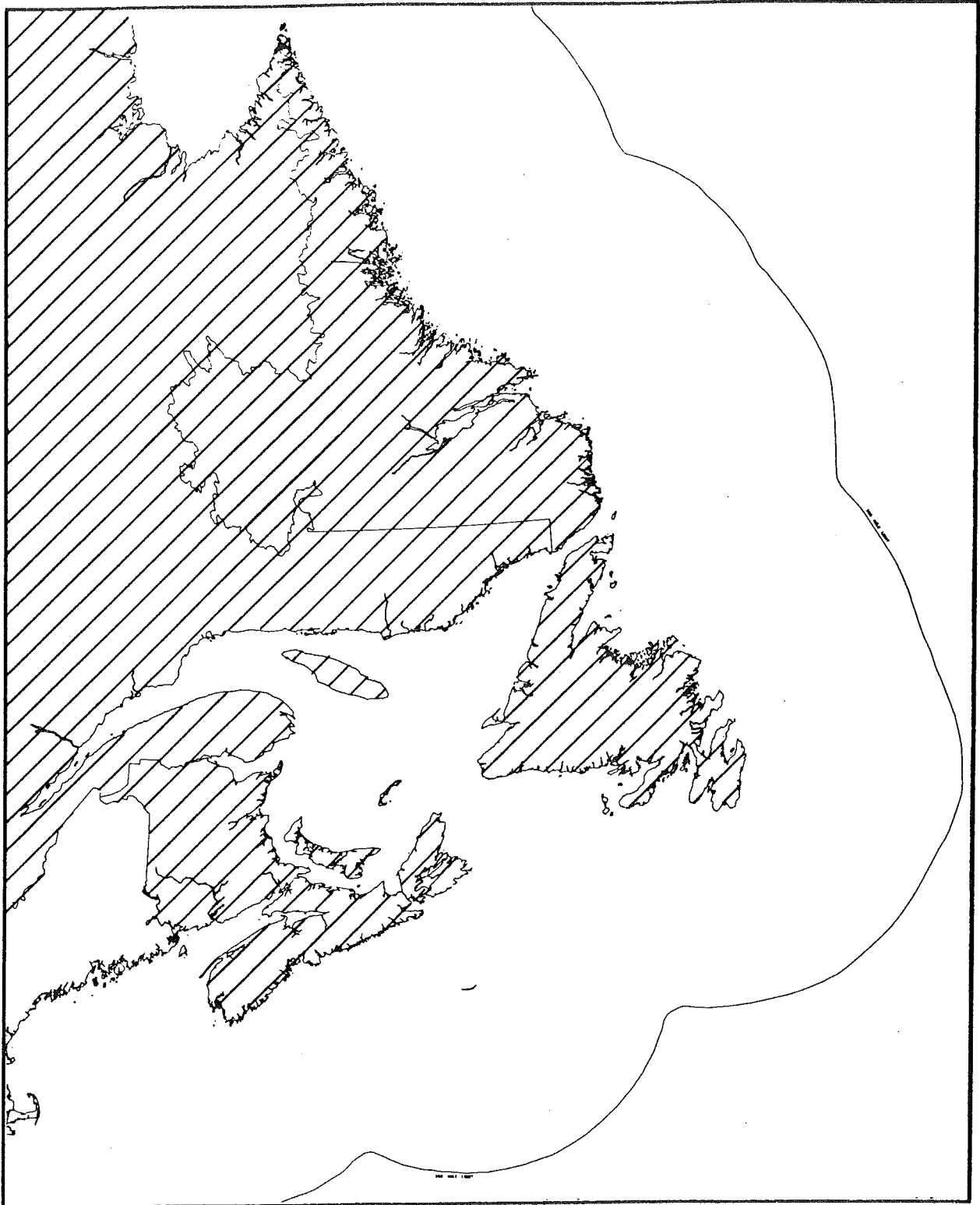


17. Signature: Verified

Date: September 11, 1992

1. **Database Title: Geotechnical Borehole Data**
2. **Contact Person:**
Dr. John Brown
Jacques Whitford and Associates
3 Spectacle Drive
City of Lakes Industrial Park
Halifax, Nova Scotia B3B 1W8
Tel (902) 468-7777
3. **Purpose:**
To maintain geotechnical data for clients and future contracts
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Variable
Restrictions: Most of data is proprietary - may be released with the permission of the client.
5. **Geographical Coverage/Scale:**
Atlantic Provinces, Québec and Ontario
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1973 to present
Variable update frequency
8. **Format:**
Hard-copy: Reports and files
9. **Data Types/Parameters Measured:**
Physical: Geotechnical data, borehole records, grain size analysis, permeability, porosity, water content
Chemical: baseline water quality information
10. **Sampling Procedures:**
Borehole, core and grab samples
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
15. **Comments:**
Jacques Whitford and Associates has an extensive net of borehole sampling locations, including marine areas; data difficult to access. Also has a large hydrogeology and geotechnical engineering library.

16. Map indicating areas of data holdings:

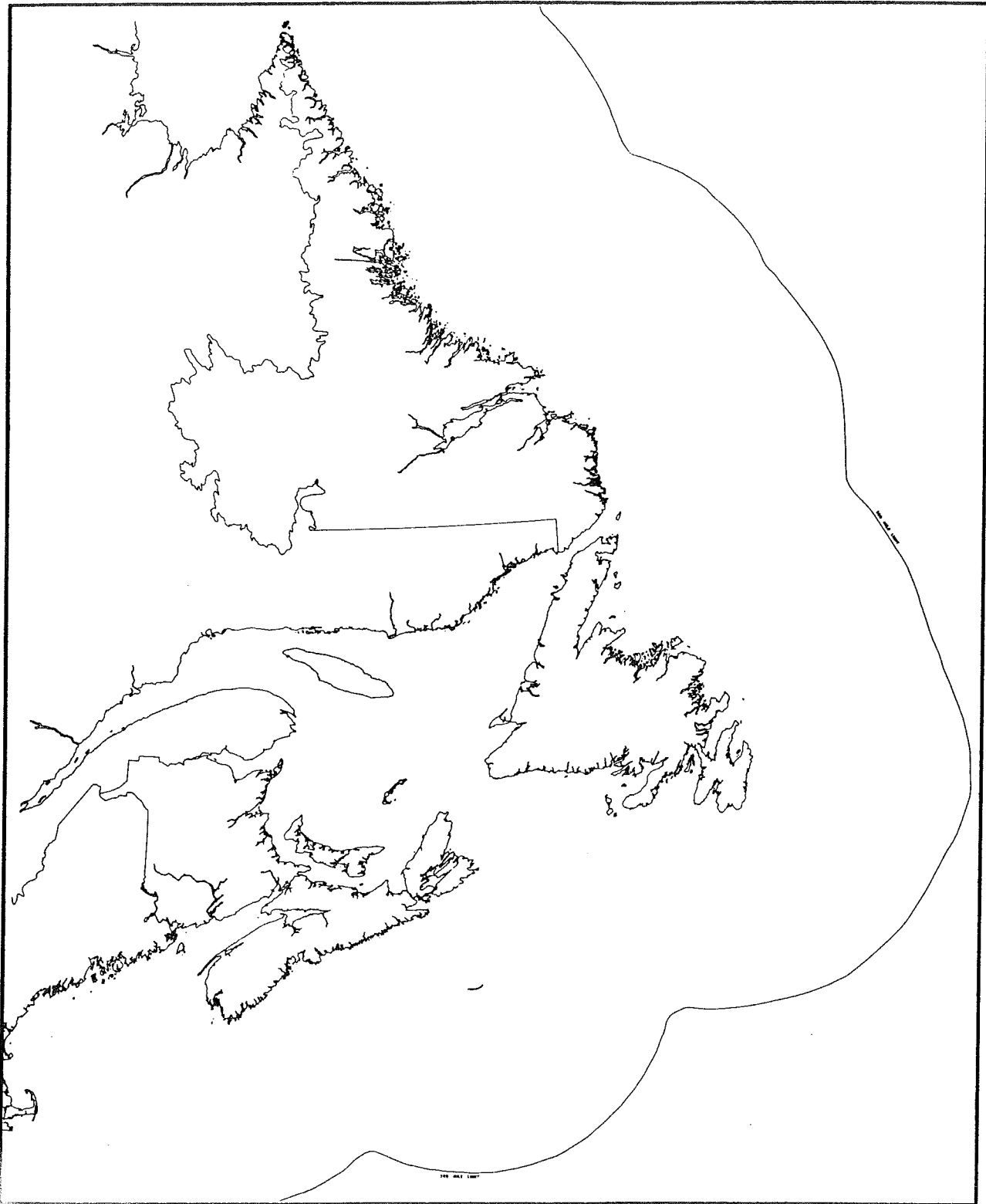


17. Signature: Unverified

Date:

1. **Database Title: "Dredger" Contaminants in Harbour Sediments**
2. **Contact Person:**
Scott MacKnight
Land & Sea Environmental Consultants Ltd.
320 - 33 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N4
Tel (902) 463-0114; Fax (902) 466-5743
3. **Purpose:**
To provide historical records and background information on coastal and harbour marine sediments
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: A fee will be charged
Restrictions: Some data may be proprietary and may only be released with client's permission.
5. **Geographical Coverage/Scale:**
Atlantic Provinces - coastal harbours throughout the Region
6. **Geographical Referencing:**
Harbour/location name
7. **Period of Record/Update Frequency:**
1976 to present
Updated continuously
8. **Format:**
Digital
Hard-copy
Maps
9. **Data Types/Parameters Measured:**
Physical: Particle size, dredging information, permit no., disposal locations, volume dumped, year dumped
Chemical: organic carbon, inorganic carbon, oil and grease, cadmium, mercury, lead, zinc, DDT, PCB, PAH, limited arsenic, nickel and chromium
10. **Sampling Procedures:**
Variable - grab samples or cores, some boreholes
11. **Program Type:**
Monitoring, survey as related to ocean dumping provisions of the Canadian Environmental Protection Act
12. **Size/Growth:**
425 records
13. **Environmental Legislation relevant to this data:**
Canadian Environmental Protection Act (CEPA) - Part VI
14. **Computer System:**
Host computer: IBM compatible PC
Operating system: MS DOS
Software: Oracle
15. **Comments:**
The information in this database is compiled from sediment samples from harbours of interest primarily to Transport Canada and the Small Craft Harbours Branch of Fisheries and Oceans Canada; up-to-date bibliography of studies and reports done in each harbour.

16. Map Indicating areas of data holdings:

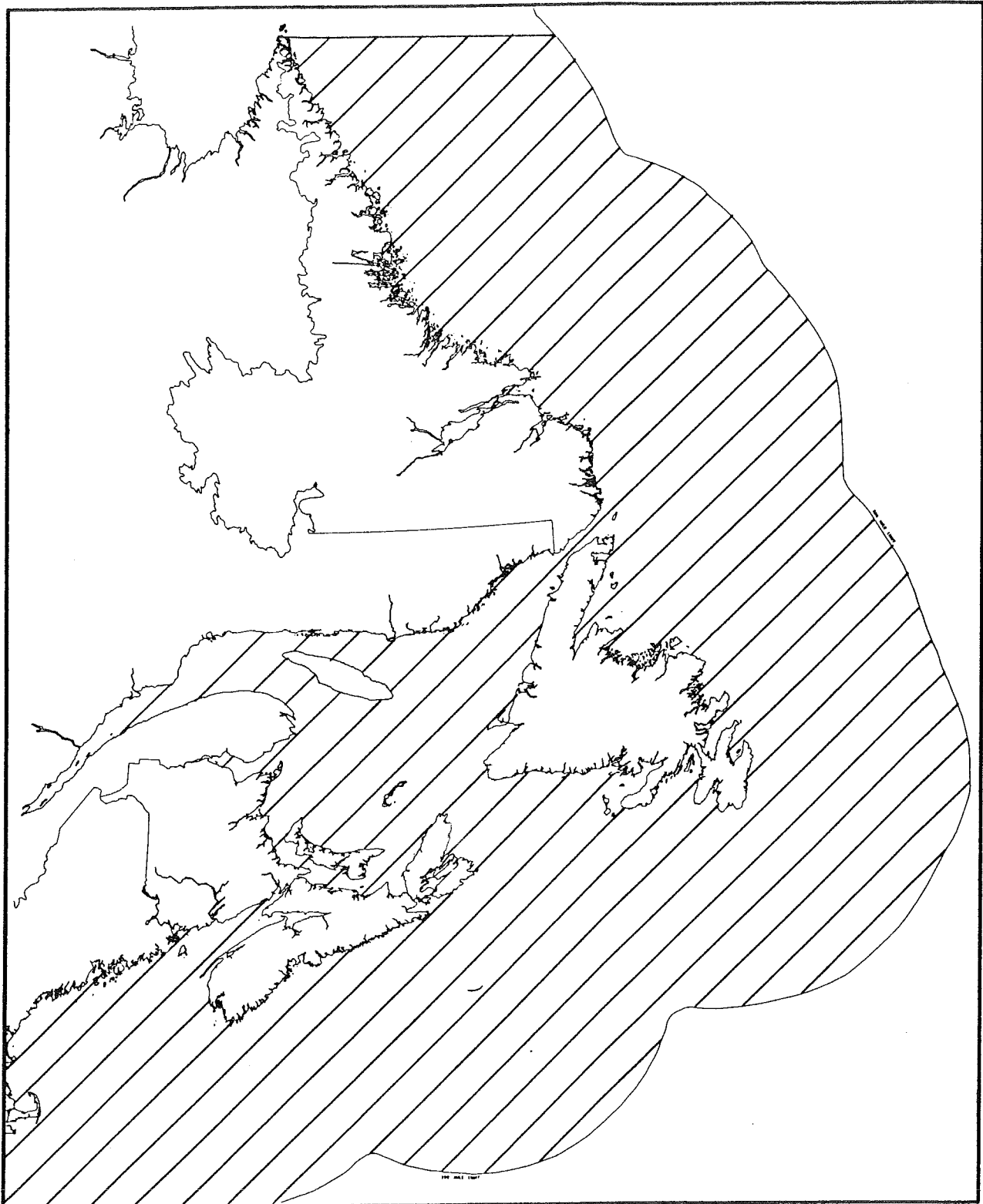


17. Signature: Verified

Date: August 17, 1992

1. **Database Title: Wind and Wave Climate Atlas**
2. **Contact Person:**
Dr. Bassem Eid, Vice President
MacLaren Plansearch (1991) Limited
SNC/Lavalin Inc.
#200-Park Lane Terraces
5657 Spring Garden Road
Halifax, Nova Scotia B3J 3R4
Tel (902) 492-4544; Fax (902) 492-4540
3. **Purpose:**
To provide climatological summaries for Canadian waters using the most accurate data (both measured and models); to provide this information in an easily accessible and ready-to-use format.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: To be determined
Restrictions: None
5. **Geographical Coverage/Scale:**
East coast of Canada including the Gulf of St. Lawrence, Bay of Fundy, Gulf of Maine, Georges Bank, Scotian Shelf, the Grand Banks and Labrador Sea
6. **Geographical Referencing:**
Latitude/Longitude (arbitrary)
7. **Period of Record/Update Frequency:**
1957 to 1990; ongoing updates
8. **Format:**
Digital: Raw data and final summaries (can be obtained on maps)
Hard-copy: Atlas format
9. **Data Types/Parameters Measured:**
Measured/observed marine data (wind and waves, also other weather and sea-state data are available); model predictions (hindcasts). All data are geo-referenced (lat/long) and time stamped.
10. **Sampling Procedures:**
On-site measurements (instrumentation or manual observation), model predictions, monitoring (offshore platform, ships, buoys)
11. **Program Type:**
12. **Size/Growth:**
Not available at present
13. **Environmental Legislation relevant to this data:**
Environmental impact assessment
Transportation and search and rescue
Emergency response
Design and operation of offshore/coastal structures
14. **Computer System:**
Host computer: DEC VAX, IBM compatible PCs
Operating System: VMS
Software: Several in-house packages
15. **Comments:**

16. Map Indicating areas of data holdings:

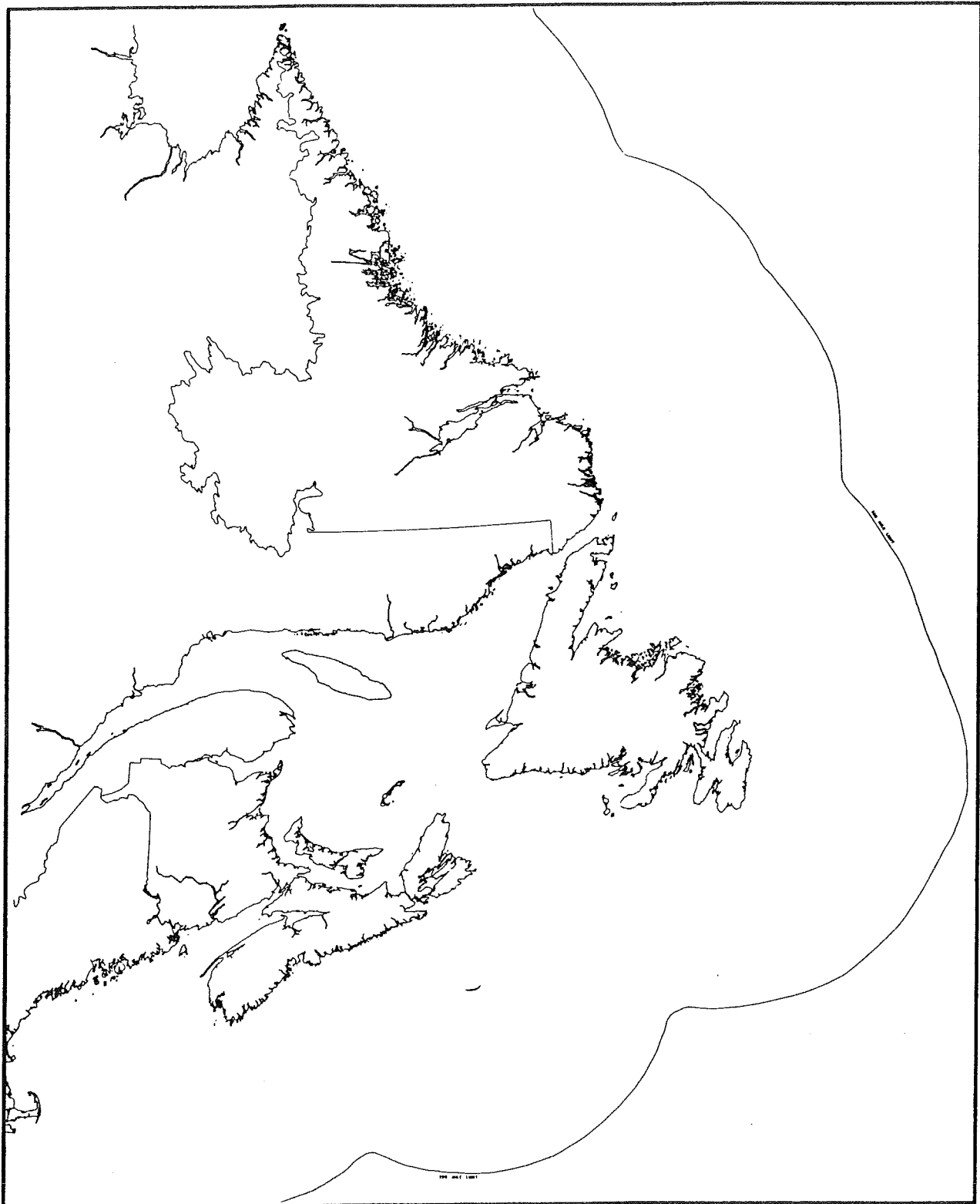


17. Signature: Verified

Date: September 10, 1992

1. **Database Title: Marine Monitoring Data**
2. **Contact Person:**
Tim Judge
Martec Ltd
5670 Spring Garden Road, Suite 805
Halifax, Nova Scotia B3J 1H6
Tel (902) 425-5101
3. **Purpose:**
To provide a geographical and scientific context for current and future projects
4. **Access/Fees/Restrictions:**
Access: Through contact person
fees: Minimal cost recovery
Restrictions: None, although the release of recent data must be approved by clients
5. **Geographical Coverage/Scale:**
Nova Scotia - Sable Island Bank, inshore coastal areas from Cape Breton to Yarmouth; New Brunswick - Saint John Harbour; Newfoundland - West Coast Arctic and Melville Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1977 to present
Variable update frequency
8. **Format:**
Digital current meter data
Mostly hard-copy
9. **Data Types/Parameters Measured:**
Physical: Temperature, currents, sediment grain size analysis
Chemical: Oil and grease, cadmium, mercury, lead, zinc, PCB, DDT, salinity
Biological: Benthic counts
10. **Sampling Procedures:**
Field surveys - grab samples, current meters, underwater videos, diver surveys
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: CYBER
Operating system:
Software:
15. **Comments:**
Database used to define trends in various parameters - may be used as baseline data for further research

16. Map indicating areas of data holdings:

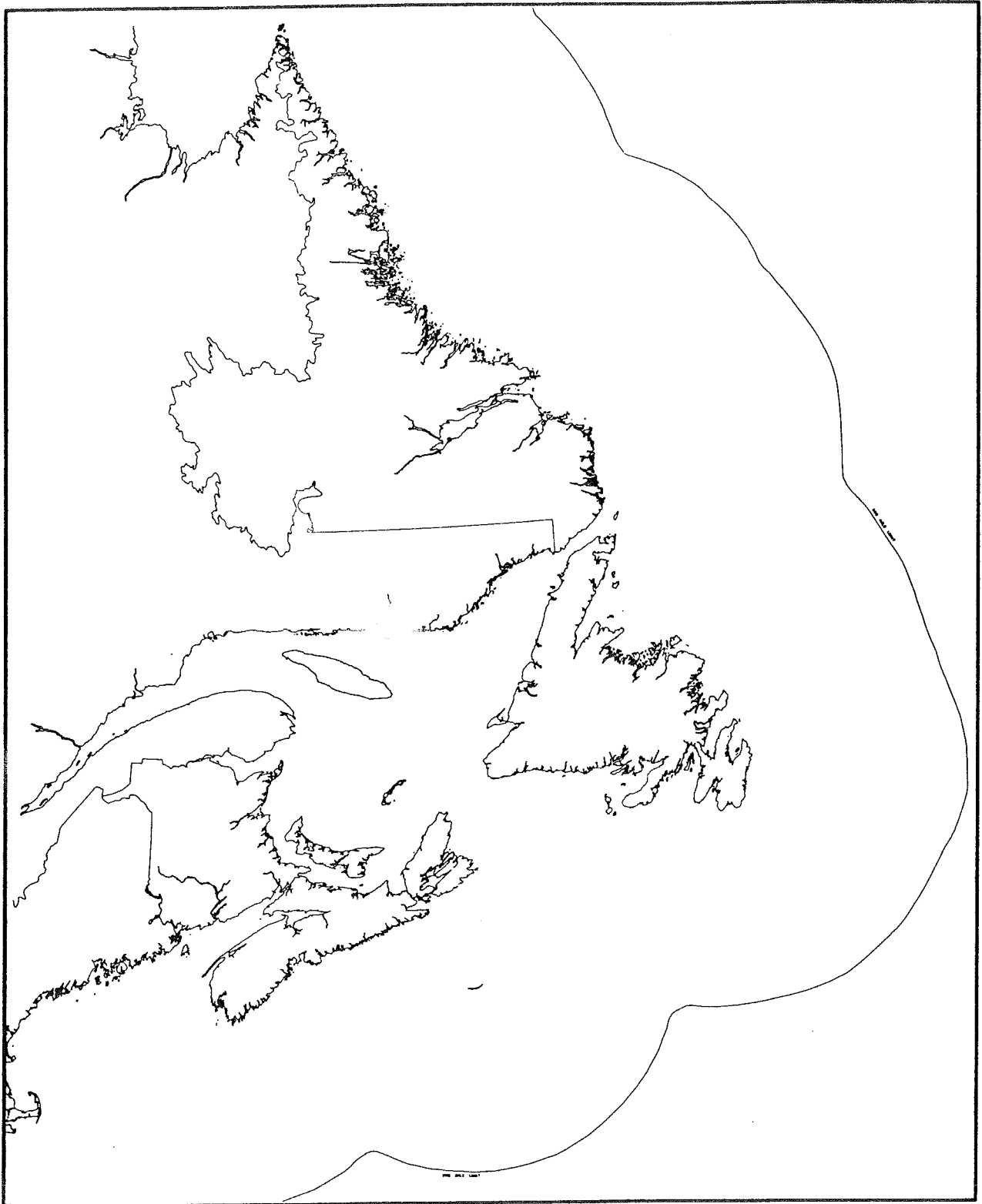


17. Signature: Unverified

Date:

1. **Database Title: Canadian Shallow Water Database**
2. **Contact Person:**
Joe Seiler
Oceanroutes Canada Inc
271 Browlow Avenue
Dartmouth, Nova Scotia B3B 1W6
Tel (902) 468-3008; Fax (902) 468-3009
3. **Purpose:**
Acoustic propagation prediction and oceanographic system map overlays
4. **Access/Fees/Restrictions:**
Access: Negotiable through contact person
Fees: Negotiated individually
Restrictions: Negotiated individually
5. **Geographical Coverage/Scale:**
Eastern Canada
Map data scale: various
Point data accuracy: various
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
On-going compilation
8. **Format:**
Digital: .5" 9 Track or .25" cartridge tape and 5.25", or 3.5" Floppy disk
On-line access: VAX
9. **Data Types/Parameters Measured:**
Oceanography - Physical
Data elements: Coastline (vectors), bathymetry (grid and contours), temperature profiles (grid, monthly), salinity profiles (grid, monthly), sediment type (grid, boundaries), sediment thickness (grid and point samples), depth of basement (grid), bedrock type (grid)
10. **Sampling Procedures:**
11. **Program Type:**
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: VAX and HP9000
Operating system: VMS and HP-UX
Software: In-house software for map data
15. **Comments:**

16. Map Indicating areas of data holdings:

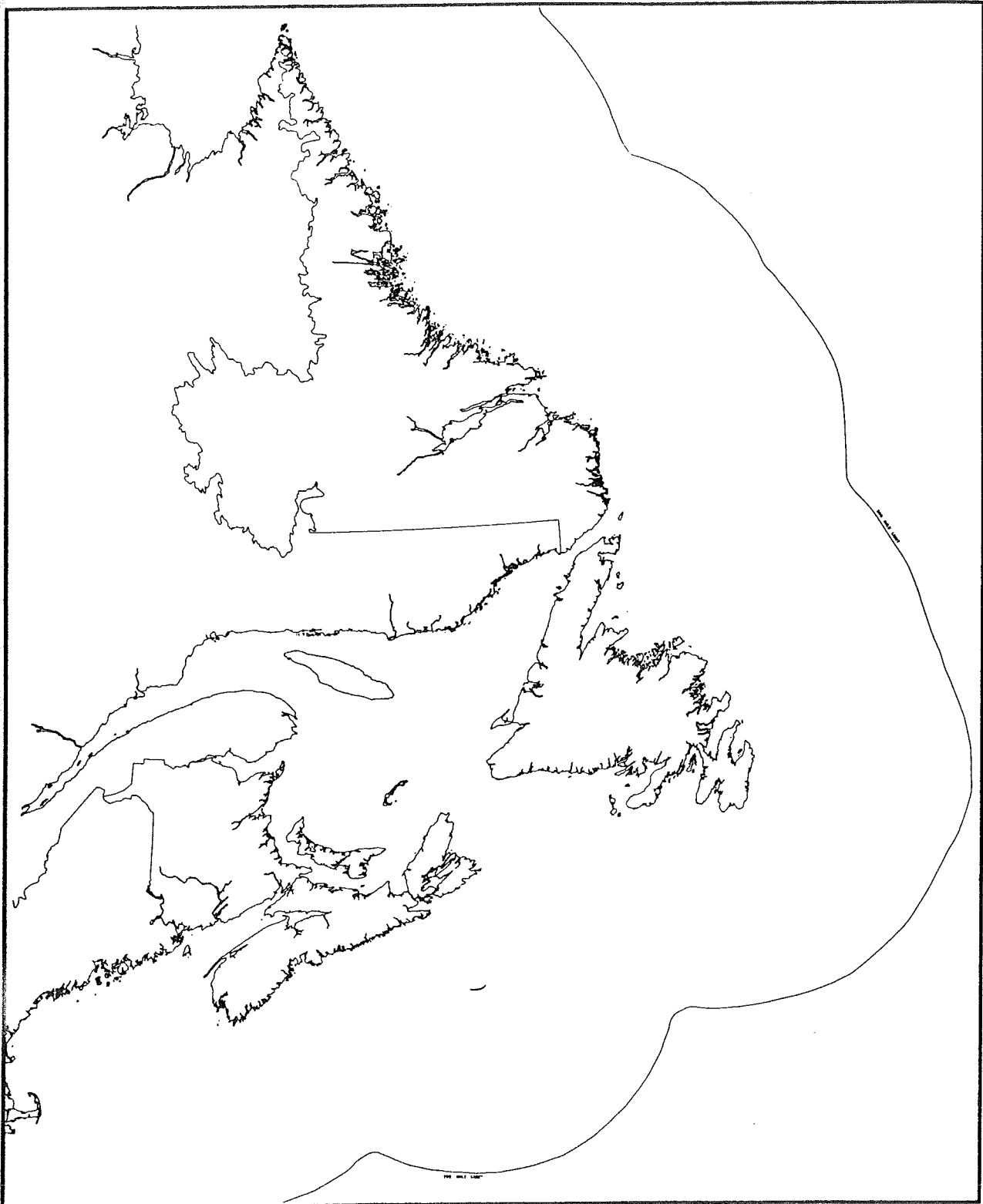


17. Signature: Not signed

Date:

1. **Database Title: Water Quality Information**
2. **Contact Person:**
Norm Gridley
Porter-Dillon Ltd
2651 Dutch Village Road, Suite 202
Halifax, Nova Scotia B3L 4G5
Tel (902) 453-1115
3. **Purpose:**
To maintain data accumulated by Porter-Dillon from client contracts
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Determined per individual request
Restrictions: Some information is proprietary
5. **Geographical Coverage/Scale:**
Primarily Nova Scotia, with some data from New Brunswick and Prince Edward Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1975 to present
Variable update frequency
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Chemical and standard water quality parameters: pH, nutrients, major ions, metals, occasionally organic contaminants and pesticides, some surface water flow rate data
10. **Sampling Procedures:**
Standard field sampling methods - primarily grab samples
11. **Program Type:**
Monitoring, some research and survey, and environmental assessments
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM
Operating system:
Software: dBASE III, Symphony
15. **Comments:**
60% of the data is on groundwater; information primarily used as baseline data prior to industrial development. Some information is proprietary to clients.

16. Map indicating areas of data holdings:

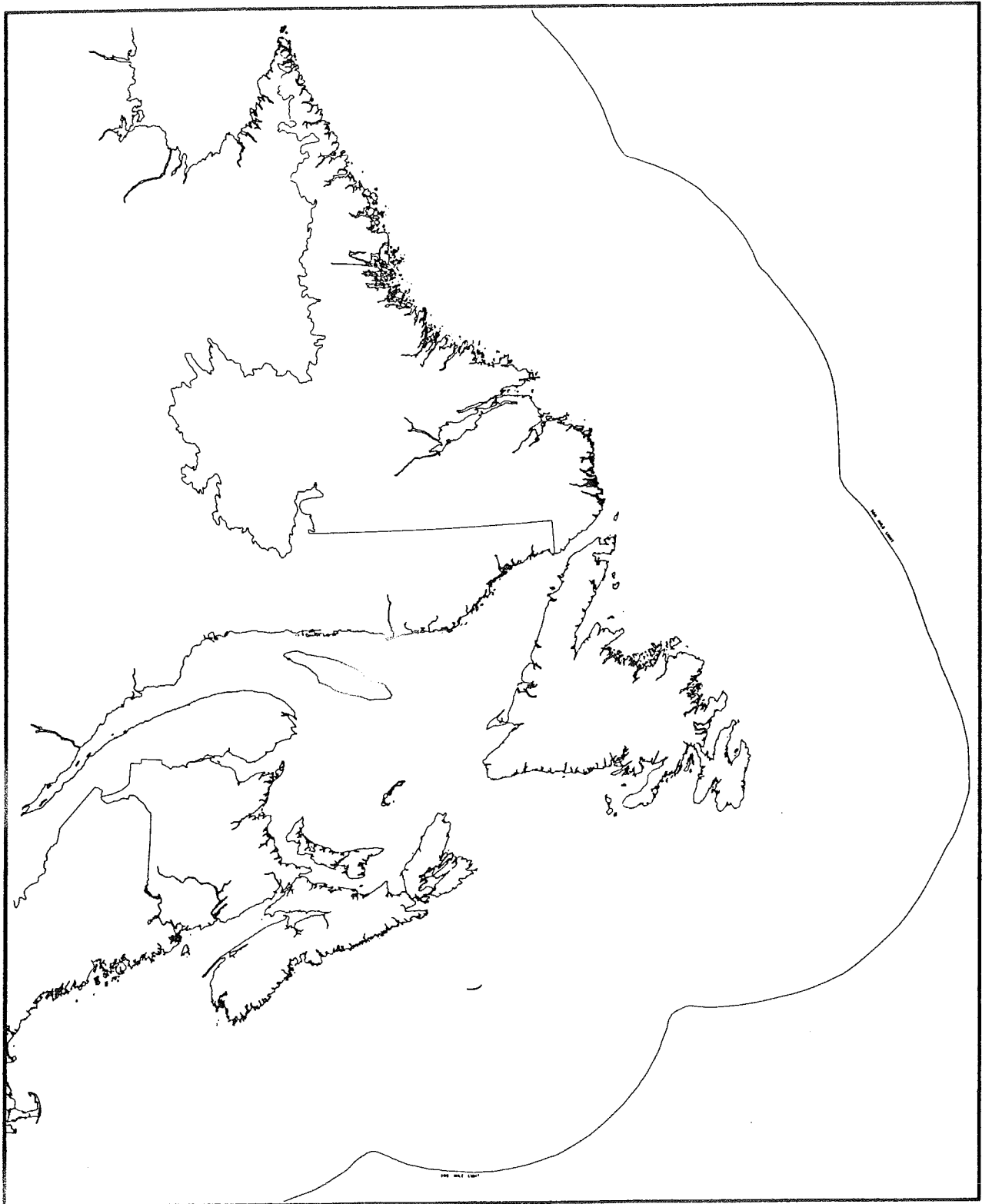


17. Signature: Unverified

Date:

1. **Database Title: Monitoring Data - Seatech Ltd**
2. **Contact Person:**
Clive MacGregor
Seatech Ltd
PO Box 2161, Station M
Halifax, Nova Scotia B3J 3C4
Tel (902) 423-5296
3. **Purpose:**
Environmental monitoring data for clients
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Cost recovery charge
Restrictions: May require permission of clients
5. **Geographical Coverage/Scale:**
Nova Scotia, New Brunswick, Prince Edward Island - marine, freshwater and waste effluents at scattered locations
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1980 to present
Data occasionally added but, with the exception of ocean dumping operations, data for specific sites not updated
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Currents, temperature, salinity
Chemical: Carbon, oil and grease, metals, DDT and PCB in sediments, standard water quality parameters, effluents
Biological: Composition of benthic communities, bacteria levels
10. **Sampling Procedures:**
Sampled and analyzed by Seatech Ltd according to approved methods
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM compatible PC
Operating system:
Software: In-house
15. **Comments:**
Most of the data is from samples collected at coastal harbours and estuaries.

16. Map indicating areas of data holdings:

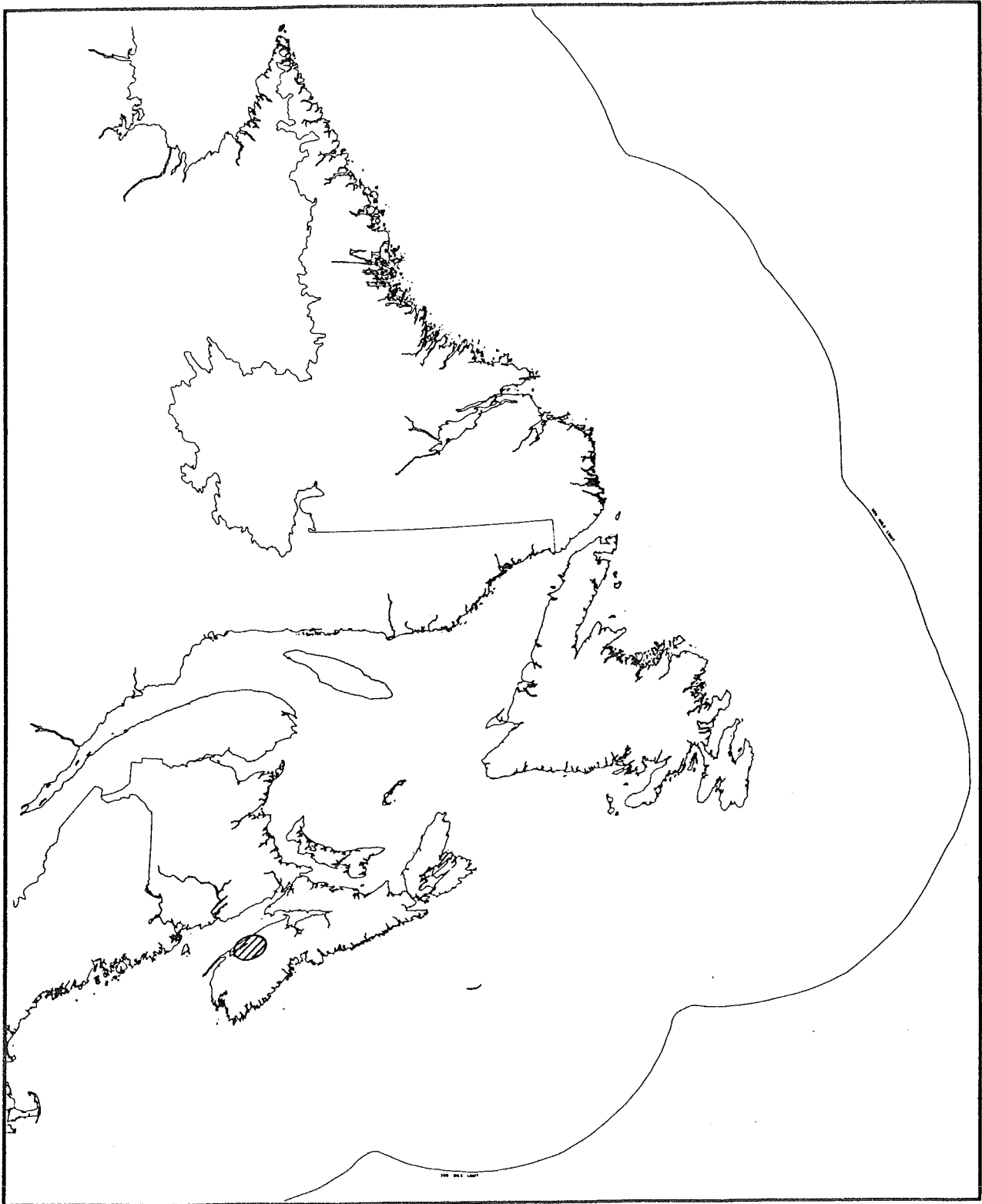


17. Signature: Unverified

Date:

1. **Database Title: Annapolis River and Estuary**
2. **Contact Person:**
Graham Daborn
Acadia Centre for Estuarine Research
Acadia University
Wolfville
Kings County, Nova Scotia B0P 1X0
Tel (902) 542-2201; Fax (902) 542-3466
E-mail DABORN@ACADIAU.AC.CA
3. **Purpose:**
Primary purpose to examine the impact of tidal power on water quality; secondary purpose to develop comprehensive management plan through Clean Annapolis River Project (CARP) Society.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia - Annapolis River and Estuary
6. **Geographical Referencing:**
UTM
7. **Period of Record/Update Frequency:**
1979 to 1981
Updated annually
8. **Format:**
Hard-copy: Reports and files
9. **Data Types/Parameters Measured:**
Physical: Temperature, salinity, light penetration, suspended solids
Biological: Chlorophyll, plankton, fish distribution and abundance
10. **Sampling Procedures:**
Standard field sampling methods
11. **Program Type:**
Research, and monitoring - through CARP
12. **Size/Growth:**
1992 onward: grows with data collected from weekly monitoring at 10+ sites on river
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Research related to impacts of Annapolis tidal project on water quality. CARP is the active agency for the Atlantic Coastal Action Program (ACAP) site, supported under the Green Plan.

16. Map Indicating areas of data holdings:

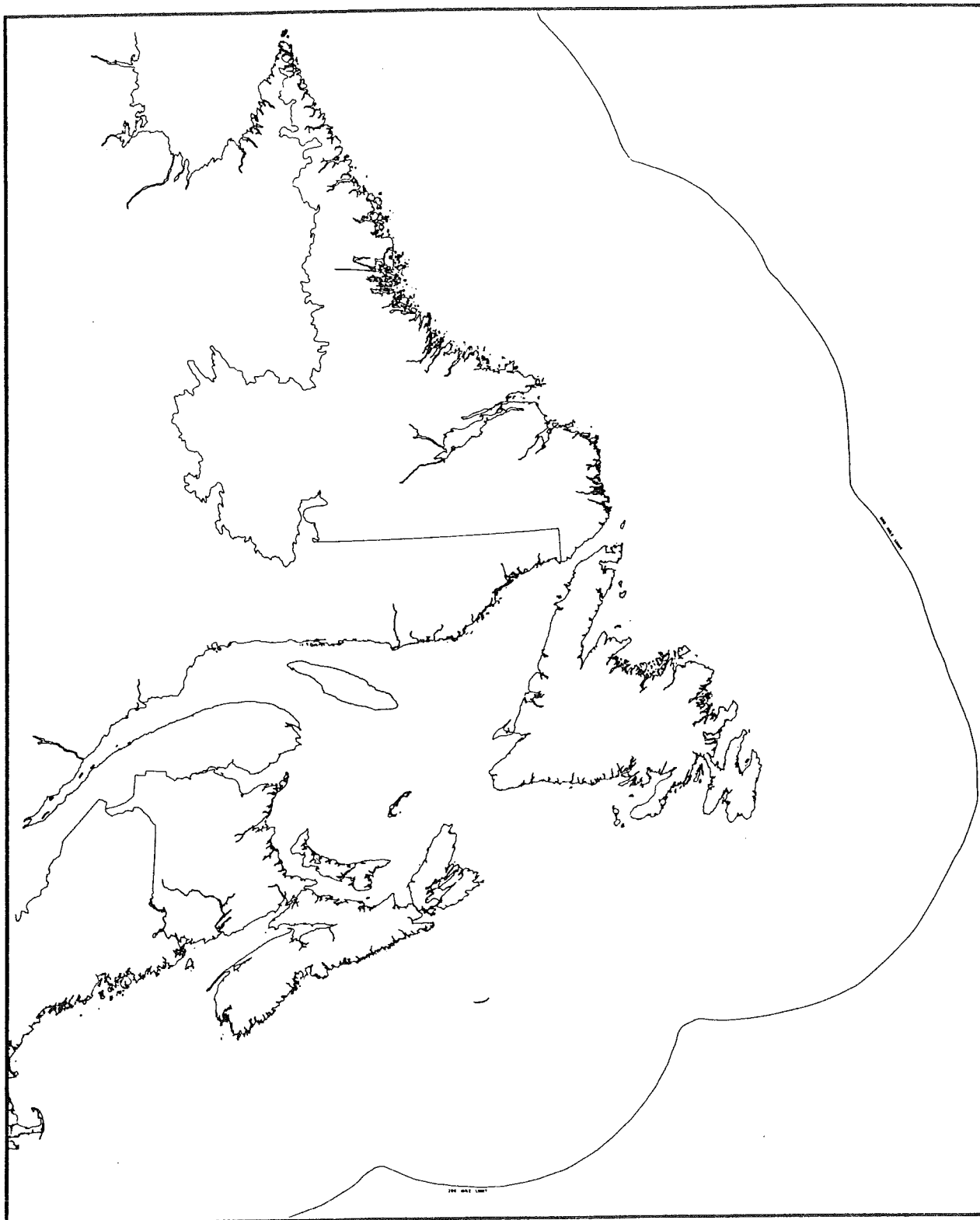


17. Signature: Verified

Date: July 21, 1992

1. **Database Title: Atlantic Canada Water Quality Monitoring Program for Mussel Growers**
2. **Contact Person:**
Mike Brylinsky
Acadia Centre for Estuarine Research
Acadia University
Wolfville, Nova Scotia B0P 1X0
Tel (902) 542-2201; Fax (902) 542-3466
3. **Purpose:**
To assess water quality at mussel aquaculture sites across the region, and to relate water quality to mussel settlement, growth and survival
4. **Access/Fees/Restrictions:**
Access: Through contact person and project sponsors
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Atlantic Provinces - coastal and estuarine water throughout the region
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
October 1987 to present
Updated continuously
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical: Stability of stratification
Chemical: Temperature, salinity, secchi depth, suspended particulate matter, particulate organic carbon
Biological: Chlorophyll, mussel growth and size, spatfall times and densities, gonad weights, glycogen contents
10. **Sampling Procedures:**
Bi-weekly sampling by mussel growers according to standardized methods
11. **Program Type:**
Research and monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: CYBER 180
Operating system:
Software: Fortran
15. **Comments:**

16. Map indicating areas of data holdings:

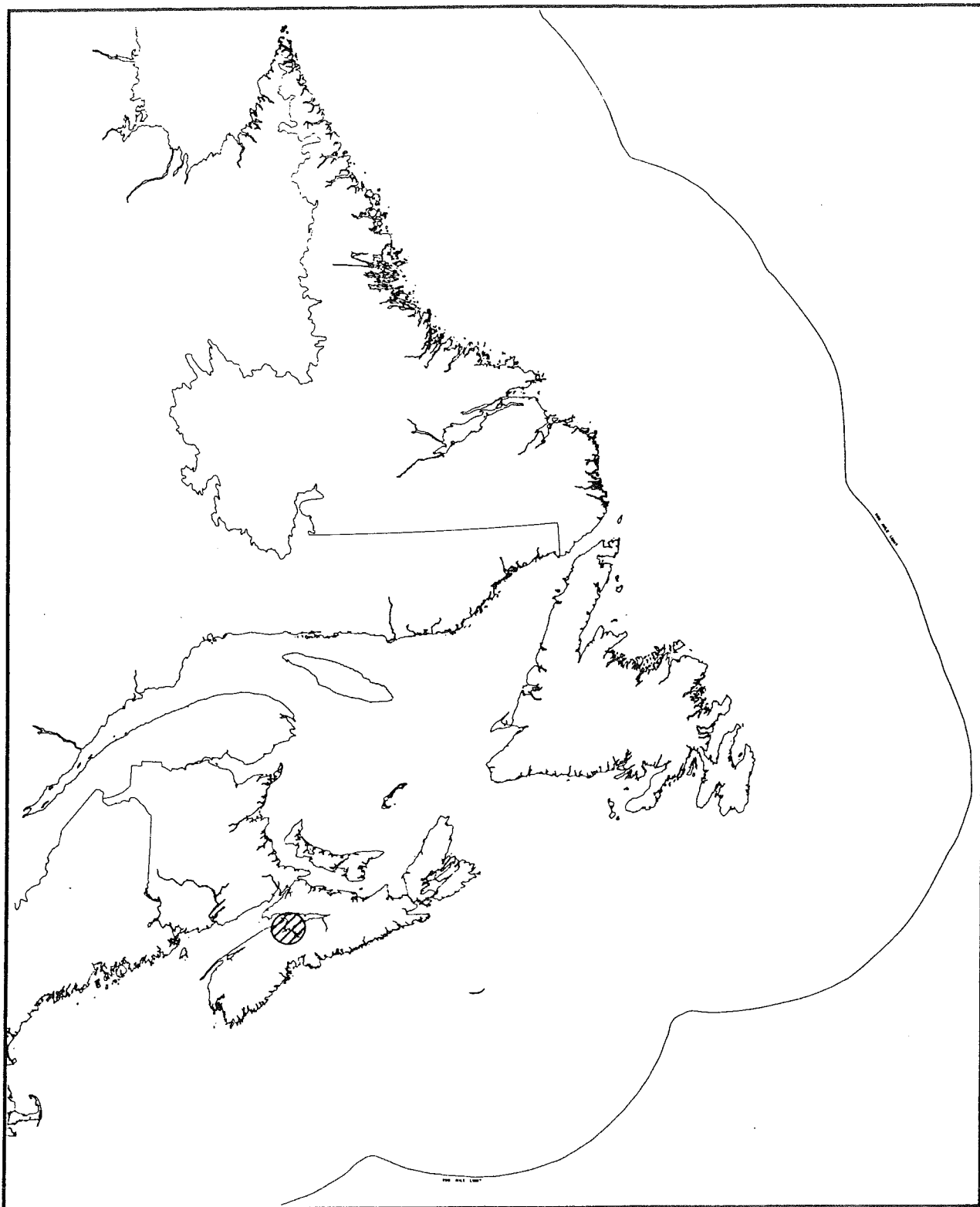


17. Signature: Unverified

Date:

1. **Database Title: Minas Basin**
2. **Contact Person:**
Dr. Graham Daborn
Acadia Centre for Estuarine Research
Acadia University
Wolfville, Nova Scotia B0P 1X0
Tel (902) 542-2201; Fax (902) 542-3466
E-mail DABORN@ACADIAU.AC.CA
3. **Purpose:**
Research
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Minas Basin - Southern Bight
6. **Geographical Referencing:**
Geographic coordinates
7. **Period of Record/Update Frequency:**
Irregular
8. **Format:**
Hard-copy: Reports and theses
9. **Data Types/Parameters Measured:**
Suspended and deposited sediments; grain size
Chlorophyll, temperature, salinity
Invertebrates
Fish
10. **Sampling Procedures:**
On-site sampling
11. **Program Type:**
Research
12. **Size/Growth:**
Variable
13. **Environmental Legislation relevant to this data:**
None
14. **Computer System:**
Host computer:
Operating System:
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

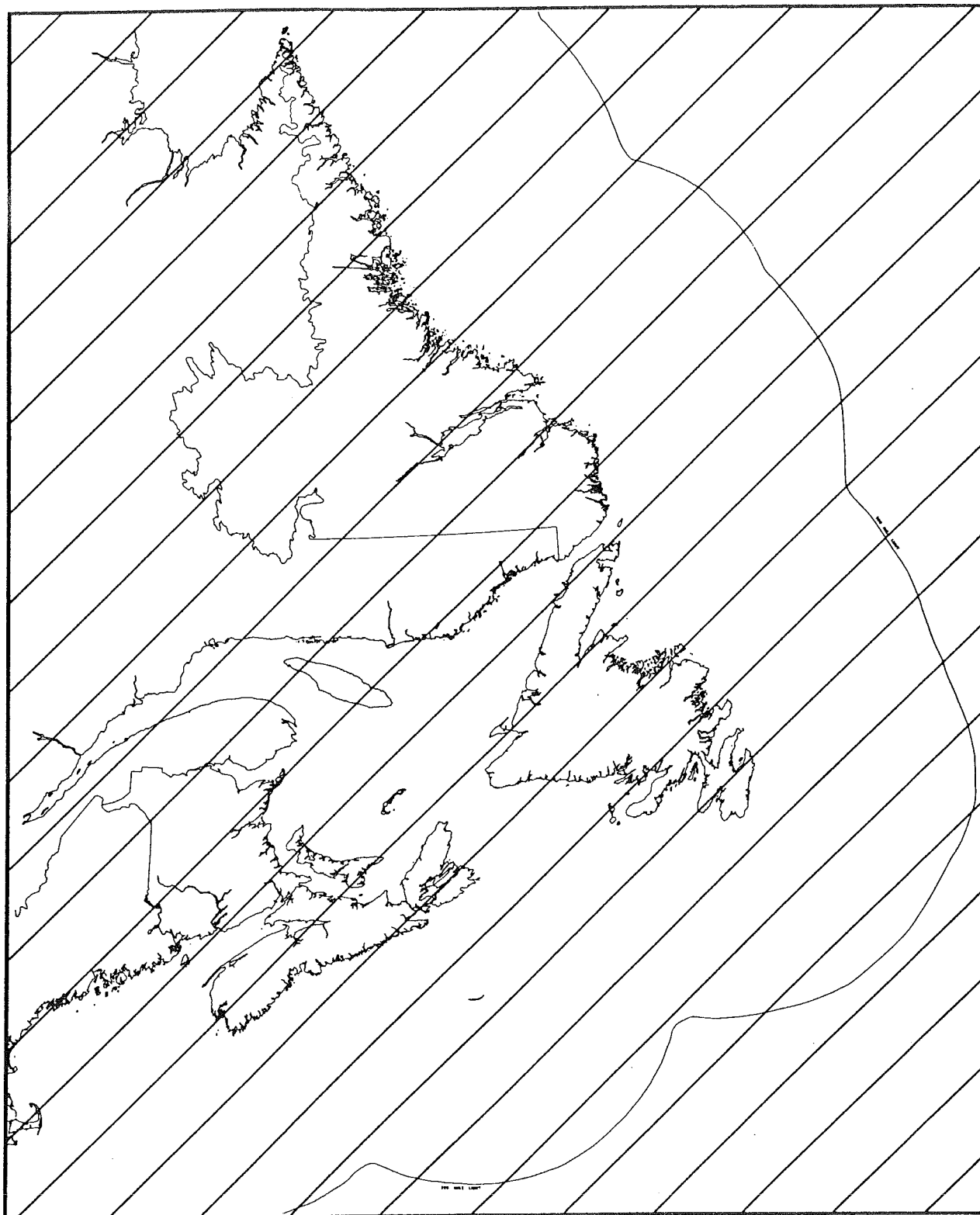


17. Signature: Verified

Date: July 21, 1992

1. **Database Title: Directly Received AVHRR/HRPT**
2. **Contact Person:**
Marlon Lewis
Department of Oceanography
Dalhousie University
Halifax, Nova Scotia B3H 4J1
Tel (902) 492-4780; Fax (902) 492-4781
E-mail M.LEWIS/OMNET
3. **Purpose:**
Research
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Varies; usually will require person-time on site unless specific arrangements are made
Restrictions: Restrictions apply
5. **Geographical Coverage/Scale:**
Regional
1.1 Km resolution
6. **Geographical Referencing:**
Various
7. **Period of Record/Update Frequency:**
Daily since October 1, 1992
8. **Format:**
Digital: Various
9. **Data Types/Parameters Measured:**
SST, ice, vegetation index
10. **Sampling Procedures:**
Satellite remote sensing
11. **Program Type:**
Monitoring and research
12. **Size/Growth:**
400 Megabyte/day
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Silicon Graphics
Operating system: IRIX, UNIX X Windows/MOTIF, MS DOS
Software: Several
15. **Comments:**

16. Map indicating areas of data holdings:

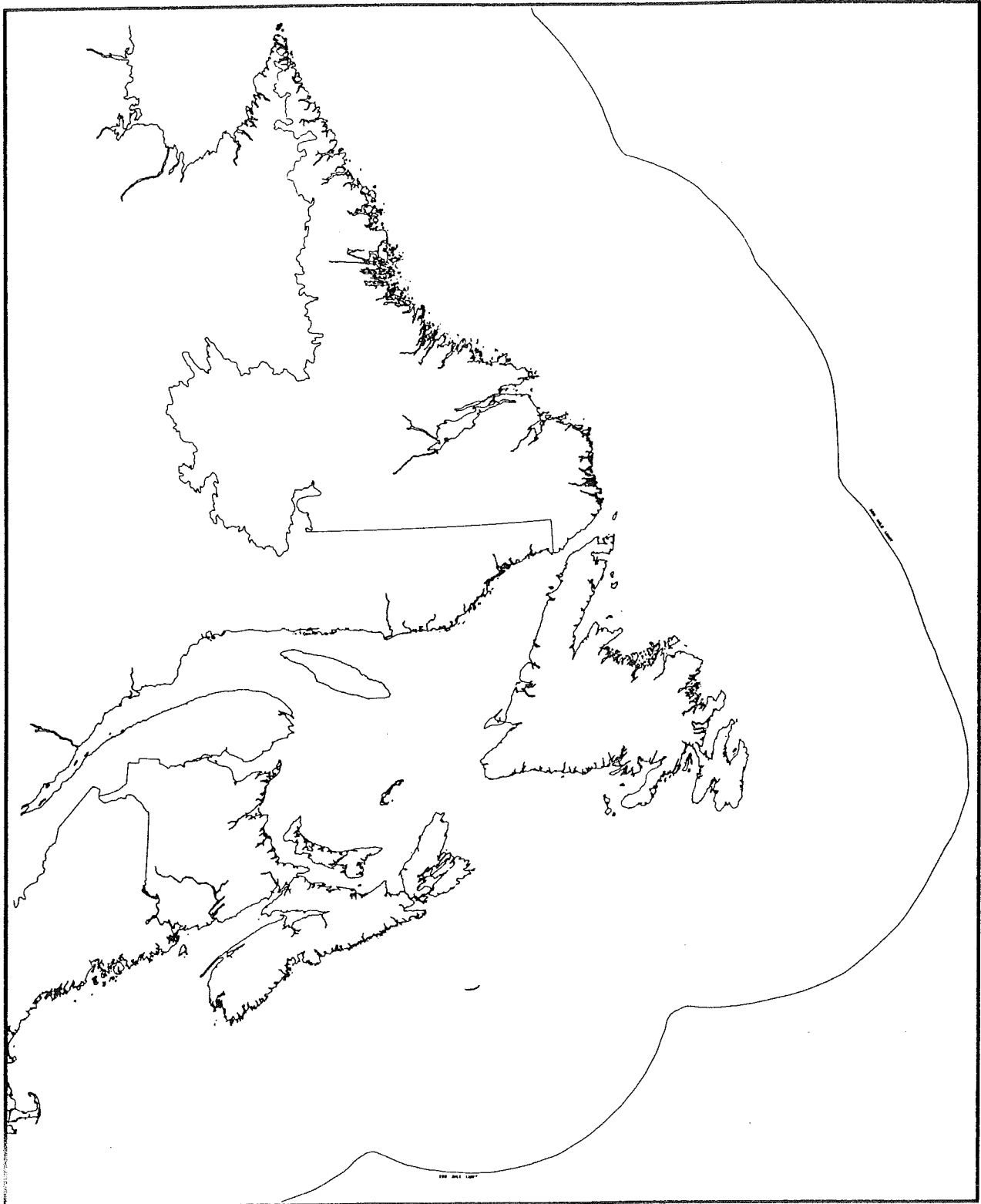


17. Signature: Verified

Date: October 2, 1992

1. **Database Title: DMSP/SSM/I Brightness Temperatures (Polar)**
2. **Contact Person:**
Marlon Lewis
Department of Oceanography
Dalhousie University
Halifax, Nova Scotia B3H 4J1
Tel (902) 492-4780; Fax (902) 492-4781
E-mail M.LEWIS/OMNET
MARLON@PREDATOR.OCEAN.DAL.CA
3. **Purpose:**
Research
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Varies; usually will require person-time on site unless specific arrangements are made
Restrictions: None
5. **Geographical Coverage/Scale:**
Polar regions
25 to 50 Km
6. **Geographical Referencing:**
Various
7. **Period of Record/Update Frequency:**
1987 to present
8. **Format:**
Digital: Various
9. **Data Types/Parameters Measured:**
Ice
10. **Sampling Procedures:**
Satellite remote sensing
11. **Program Type:**
Monitoring and research
12. **Size/Growth:**
10 to 100 Gigabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Silicon Graphics
Operating system: IRIX, UNIX X Windows/MOTIF, MS DOS
Software: Several
15. **Comments:**

16. Map Indicating areas of data holdings:

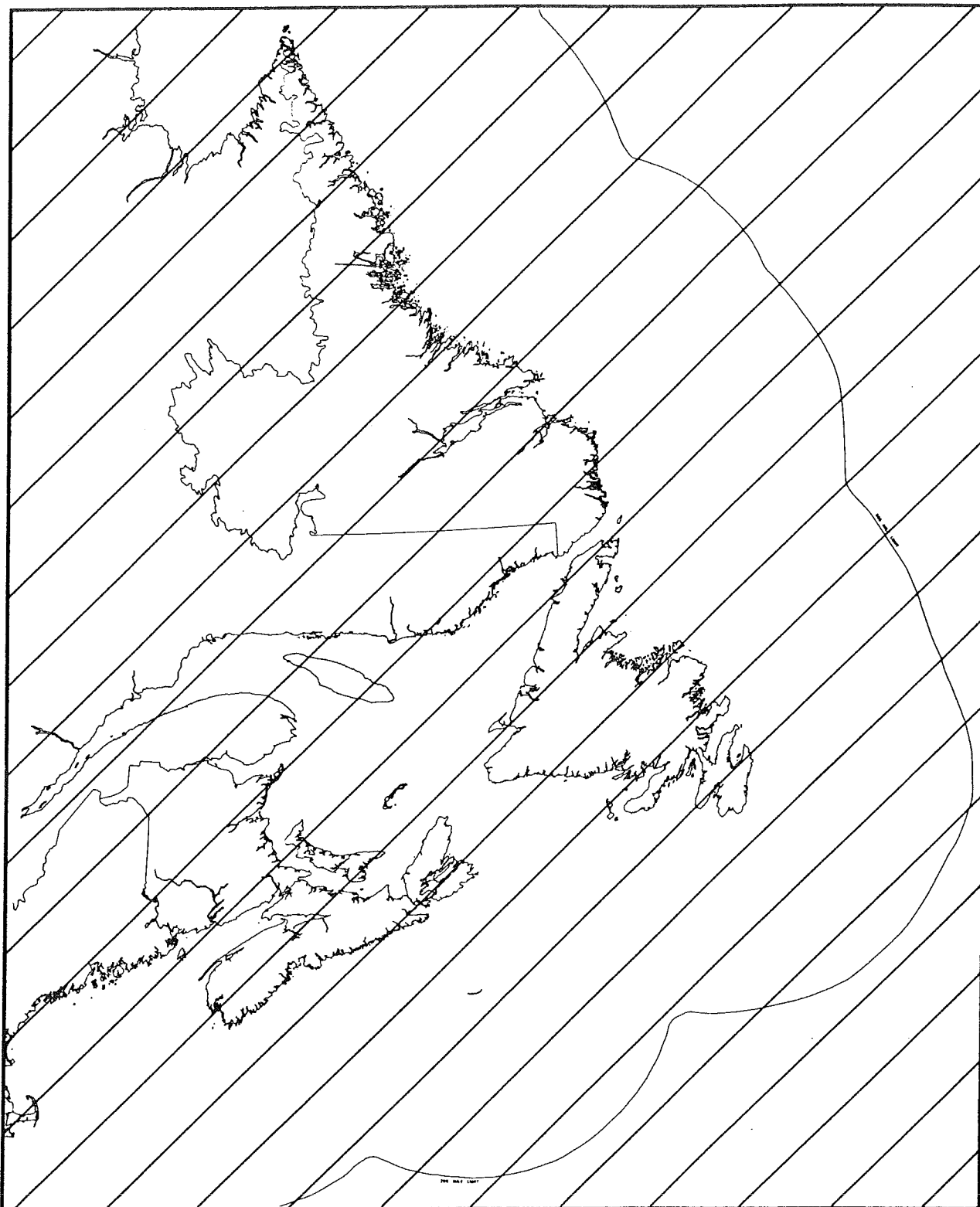


17. Signature: Verified

Date: October 2, 1992

1. **Database Title: Global Coastal Zone Color Scanner**
2. **Contact Person:**
Marlon Lewis
Department of Oceanography
Dalhousie University
Halifax, Nova Scotia B3H 4J1
Tel (902) 492-4780; Fax (902) 492-4781
E-mail M.LEWIS/OMNET
3. **Purpose:**
Research
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Varies; usually will require person-time on site unless specific arrangements are made
Restrictions: None
5. **Geographical Coverage/Scale:**
Global/regional
1.1 Km resolution
6. **Geographical Referencing:**
Various
7. **Period of Record/Update Frequency:**
1978 to 1986
Archival database
8. **Format:**
Digital: Various
9. **Data Types/Parameters Measured:**
Pigment
10. **Sampling Procedures:**
Satellite remote sensing
11. **Program Type:**
Monitoring and research
12. **Size/Growth:**
10 to 100 Gigabyte
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Silicon Graphics
Operating system: IRIX, UNIX X Windows/MOTIF, MS DOS
Software: Several
15. **Comments:**

16. Map indicating areas of data holdings:

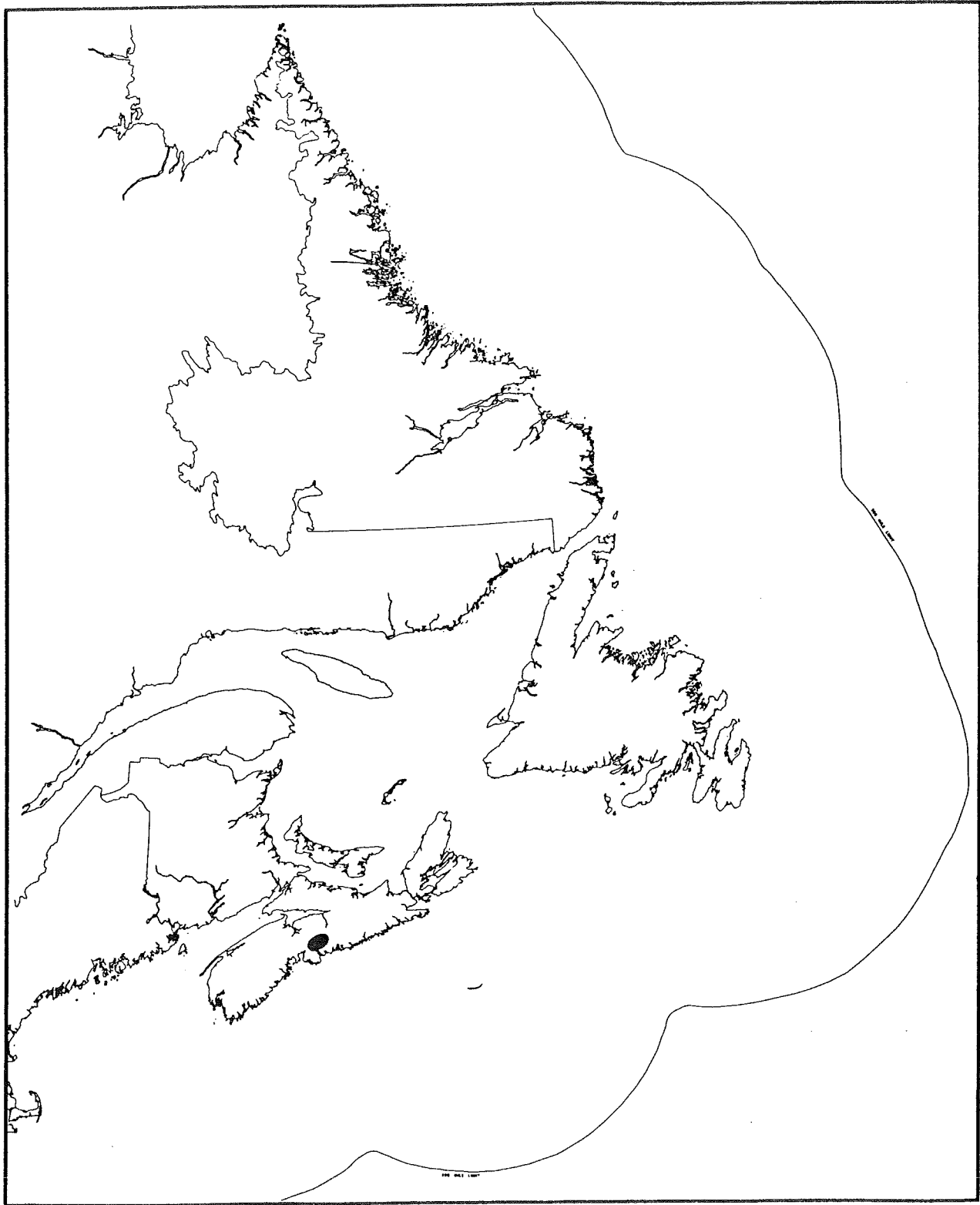


17. Signature: Verified

Date: October 2, 1992

1. **Database Title: Climatological and Hydrometric Data**
2. **Contact Person:**
Bill Hart
Centre for Water Resource and Civil Engineering
Technical University of Nova Scotia
PO Box 1000
Halifax, Nova Scotia B3J 2X4
Tel (902) 429-8300
3. **Purpose:**
Data to support the Halifax Urban Watersheds Program
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: A fee may be charged
Restrictions: Limited restrictions
5. **Geographical Coverage/Scale:**
Nova Scotia - Metropolitan Halifax area
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1981 to present
Updated 3 times per week
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Temperature, evaporation, precipitation, snowfall, winds, stream flow, lake level/storage
10. **Sampling Procedures:**
Manual, automatic hydrometric and meteorological stations
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

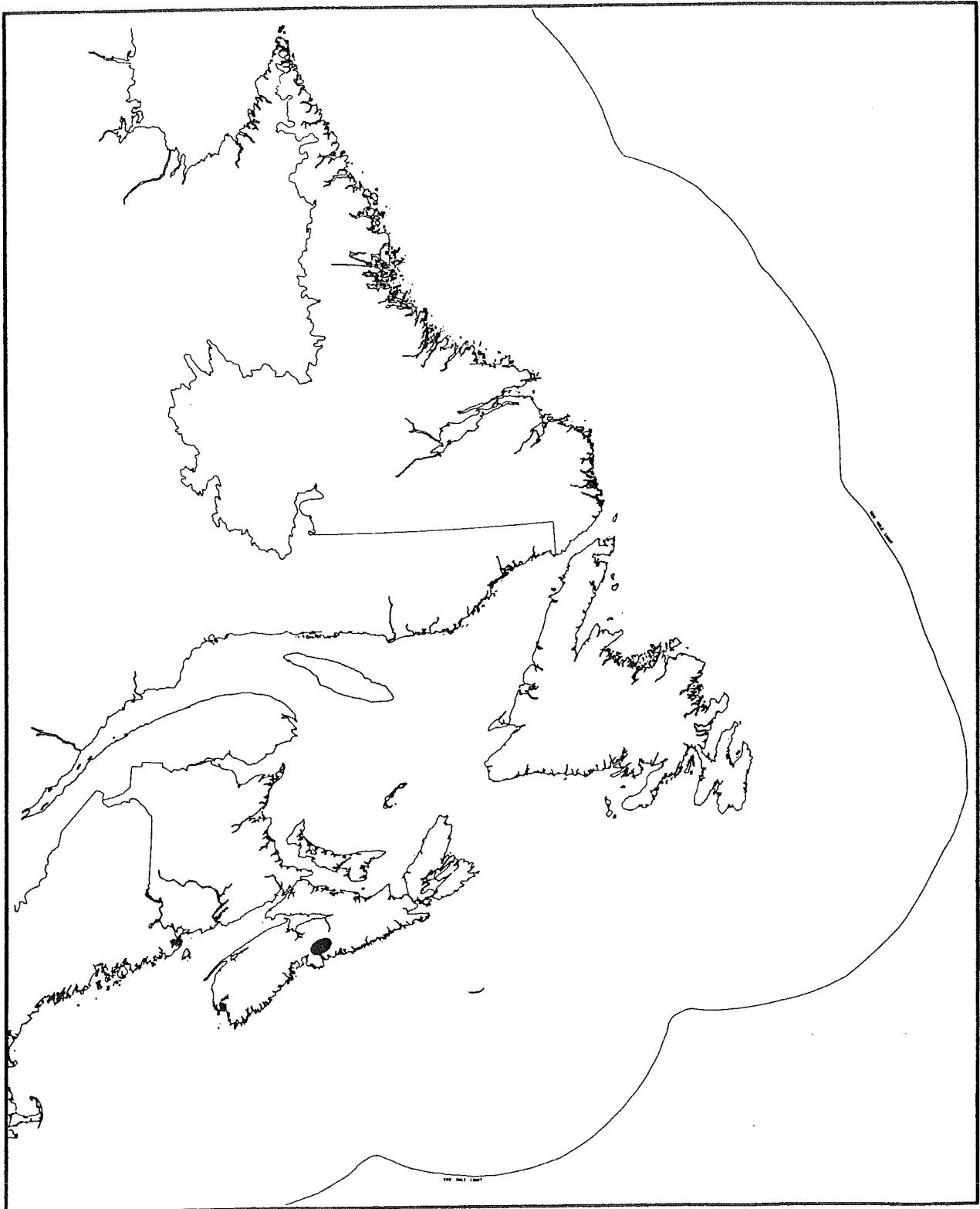


17. Signature: Verified

Date: July 9, 1992

1. **Database Title: Halifax Urban Watersheds Water Quality**
2. **Contact Person:**
Bill Hart
Centre for Water Resources and Civil Engineering
Technical University of Nova Scotia
PO Box 1000
Halifax, Nova Scotia B3J 2X4
Tel (902) 429-8300
3. **Purpose:**
To determine the effects of urban development on lake water quality and quantity.
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Variable
Restrictions: Few
5. **Geographical Coverage/Scale:**
Halifax Metropolitan area
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1981 to present
Updated monthly
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Physical, chemical and biological: Urban development, urban runoff - 25-30 standard freshwater quality parameters including nutrients, suspended solids, dissolved oxygen, pH, metals
10. **Sampling Procedures:**
Automatic samplers and manual water sampling
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

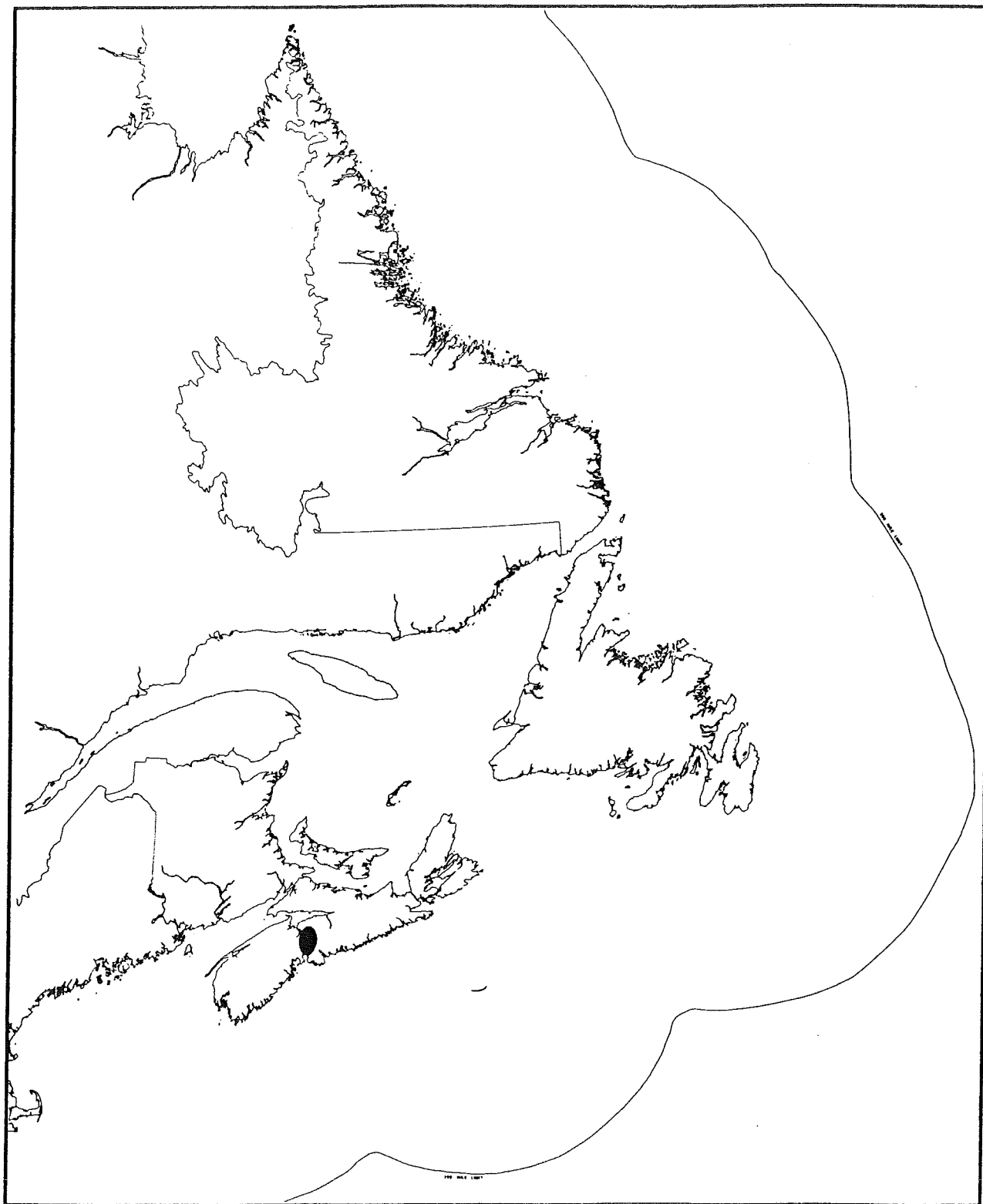


17. Signature: Verified

Date: July 9, 1992

1. **Database Title: Water Quality and Quantity In the Shubenacadie Headwaters**
2. **Contact Person:**
Bill Hart
Centre for Water Resources and Civil Engineering
Technical University of Nova Scotia
PO Box 1000
Halifax, Nova Scotia B3J 2X4
Tel 902-429-8300
3. **Purpose:**
To determine baseline water quality over a one year period
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Small data retrieval fee
Restrictions: None
5. **Geographical Coverage/Scale:**
Nova Scotia - Shubenacadie Watershed
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1977
Updated in 1990
8. **Format:**
Hard-copy: Published reports
9. **Data Types/Parameters Measured:**
Physical and Chemical: Dissolved oxygen, pH, nutrients, metals and other standard water quality parameters plus selected flow measurements
10. **Sampling Procedures:**
Physical - daily or weekly depending on the site
Chemical - 18 times over the year (1977)
Chemical - 3 times over the year (1990)
11. **Program Type:**
Research
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

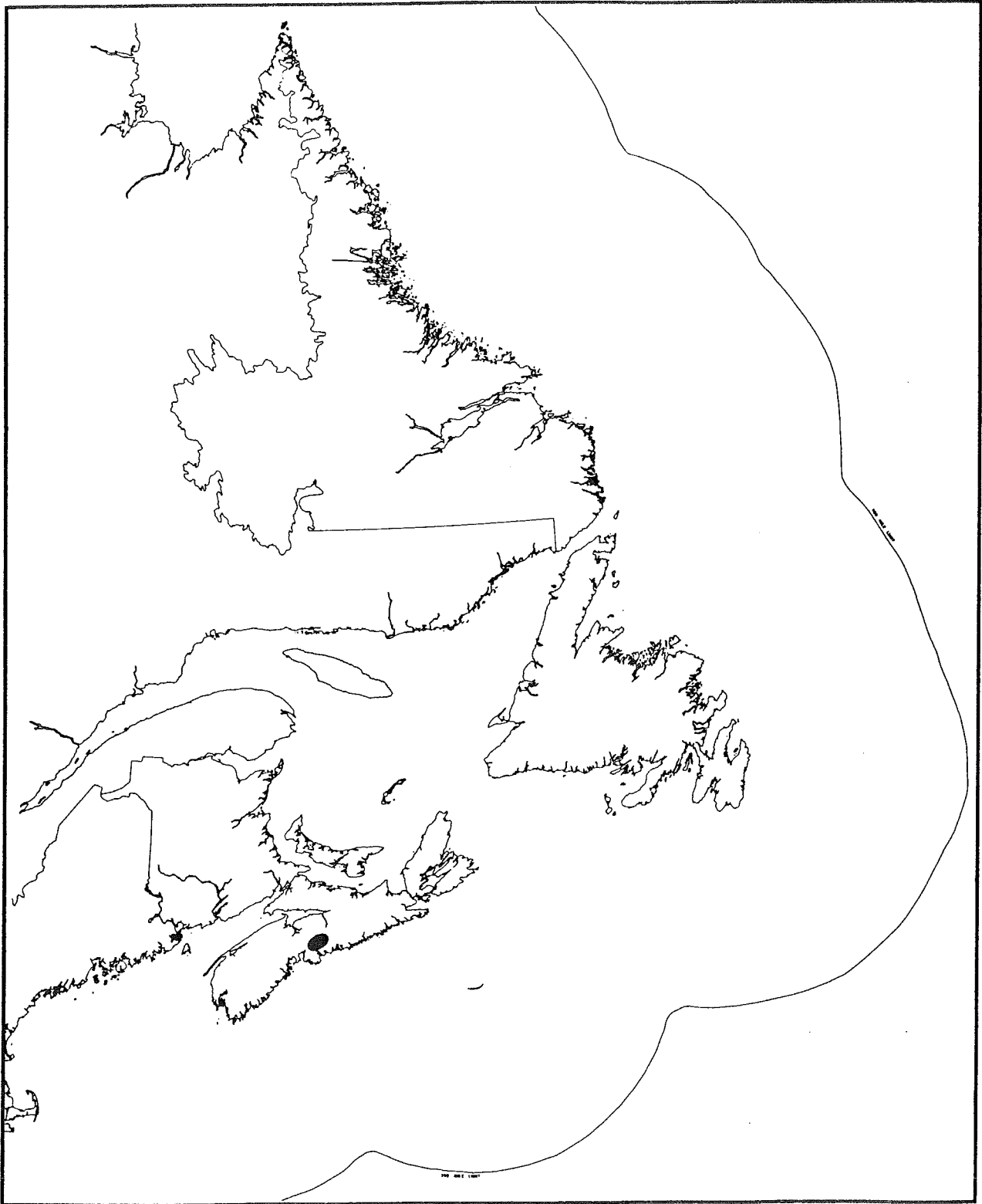


17. Signature: Verified

Date: July 9, 1992

1. **Database Title: Watershed Biogeochemistry**
2. **Contact Person:**
Bill Hart
Centre for Water Resources and Civil Engineering
Technical University of Nova Scotia
PO Box 1000
Halifax, Nova Scotia B3J 2X4
Tel (902) 429-8300
3. **Purpose:**
To study the effects of wet and dry atmospheric deposition on watershed acidification
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: No charge to cooperating agencies
Restrictions: None
5. **Geographical Coverage/Scale:**
Metropolitan Halifax area
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1981 to present
Updated weekly
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Chemical: Major ions in precipitation throughfall, streamflow, soil matrix, groundwater
10. **Sampling Procedures:**
Manual
11. **Program Type:**
Research
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Precipitation recorded from 1981 to present. Other components sampled from 1987 to 1990.

16. Map indicating areas of data holdings:

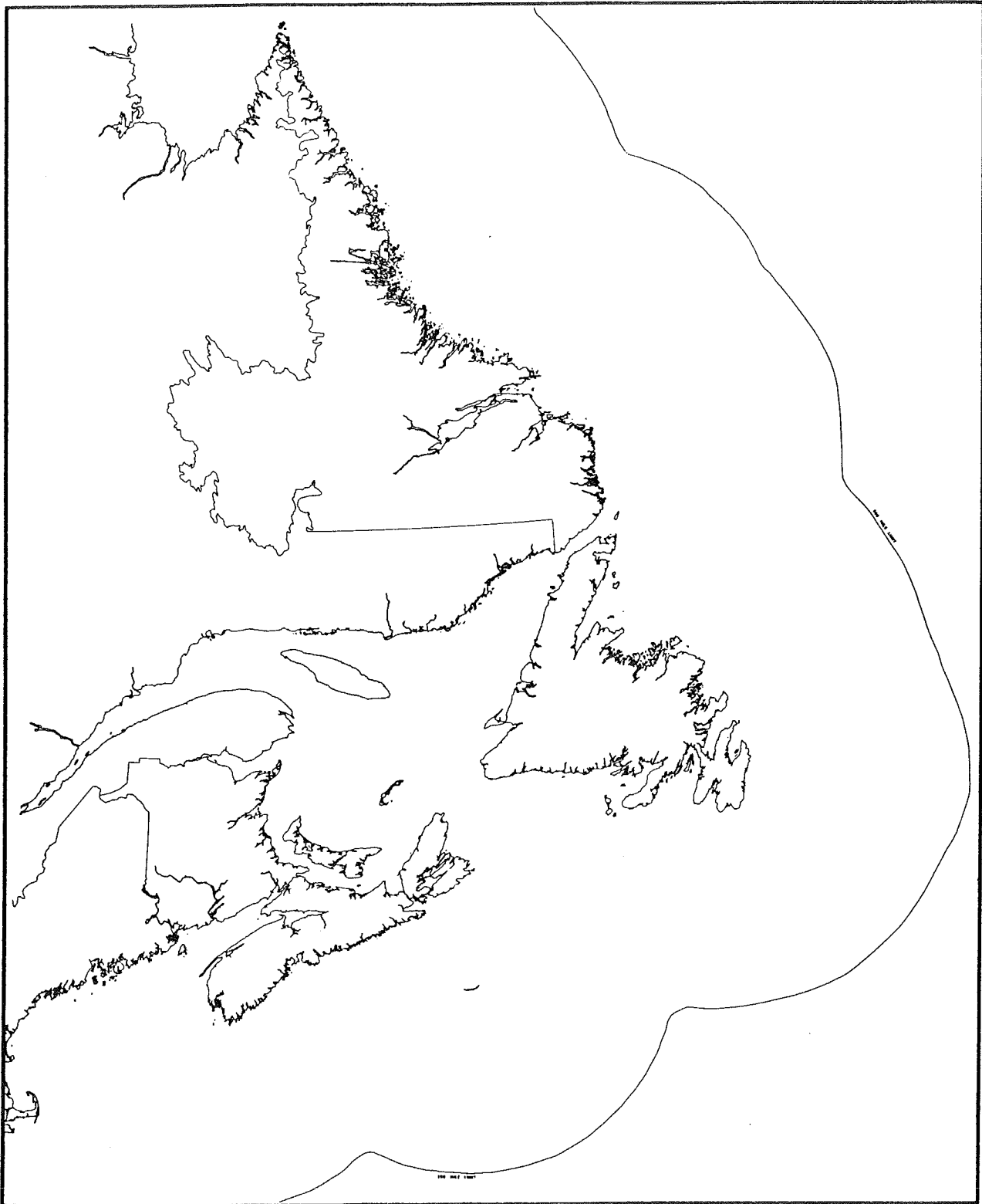


17. Signature: Verified

Date: July 9, 1992

1. **Database Title: Hydrographic, Sub-bottom Seismic, Sidescan**
2. **Contact Person:**
Larry Mayer
Surveying Engineering
University of New Brunswick
Fredericton, New Brunswick
Tel (506) 453-3577; Fax (506) 453-4943
E-mail LARRY@ATLANTIC@CS.UNB.CD (Internet)
3. **Purpose:**
Hydrographic ground truthing experiment
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Cost of reproduction
Restrictions:
5. **Geographical Coverage/Scale:**
Saint John Harbour, S. Bight, Minas Basin, Passamaquoddy Bay
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Spring/Summer 1992 -
8. **Format:**
Digital
9. **Data Types/Parameters Measured:**
Bathymetry, sonar returns, physical oceanography, suspended sediment monitoring. Specific data elements available upon request.
10. **Sampling Procedures:**
Aerial, bottom stereo photos, cores, grab, and in situ research
11. **Program Type:**
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: SUN, IRIS, Macintosh
Operating system:
Software: CARIS, CRIS
15. **Comments:**

16. **Map Indicating areas of data holdings:**

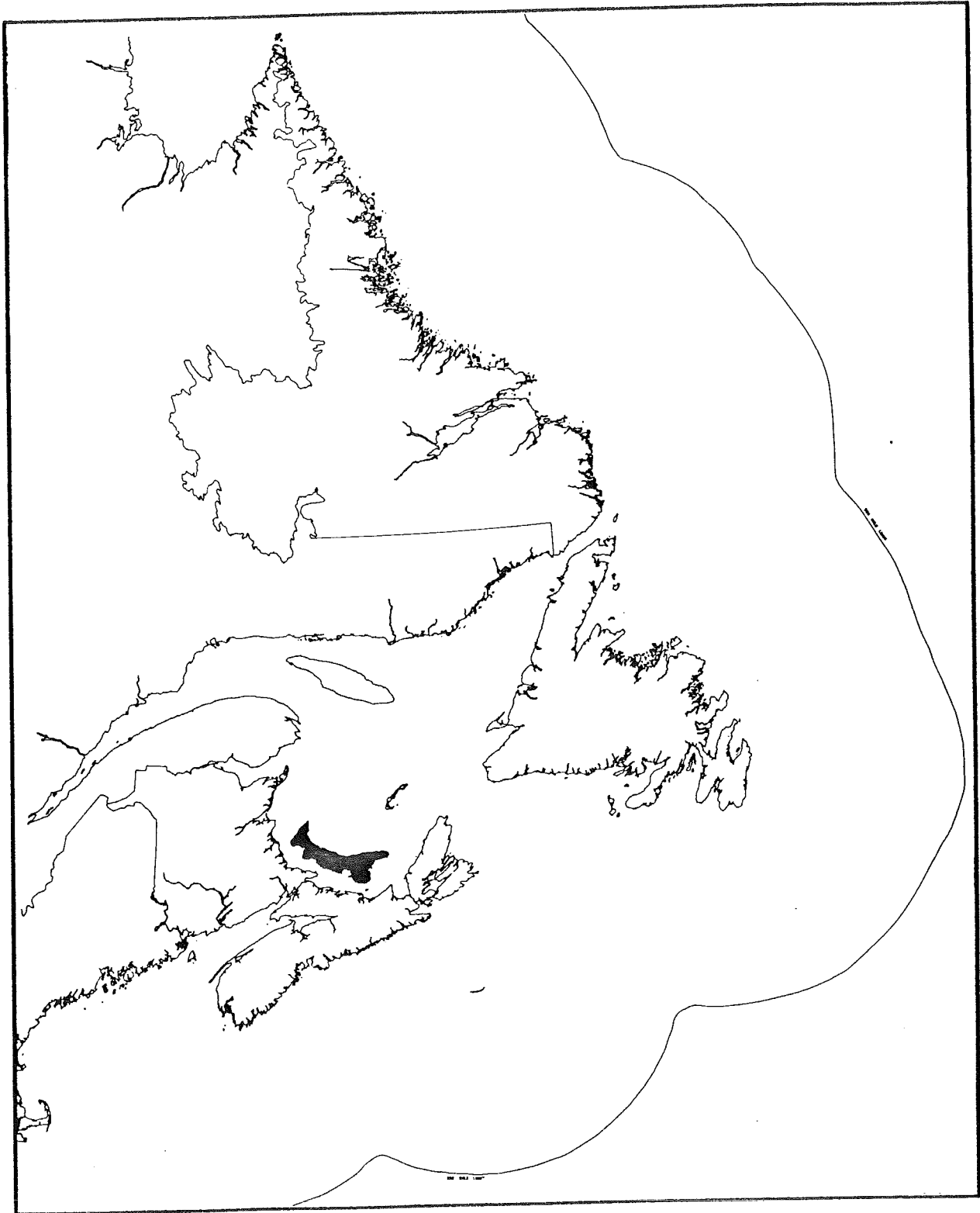


17. **Signature:** Unverified

Date:

1. **Database Title: Field Records - University of Prince Edward Island**
2. **Contact Person:**
I. MacQuarrie
Department of Biology
University of Prince Edward Island
Charlottetown, Prince Edward Island C1A 4P3
Tel (902) 566-0602
3. **Purpose:**
To compile field data for Prince Edward Island
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1968 to present
Variable update frequency
8. **Format:**
Hard-copy: Papers, publications, consulting reports, student papers
9. **Data Types/Parameters Measured:**
Biological (some physical and chemical): Small mammal trapping records, water quality information, tagging data and trout, seaweed distribution, ecological reserves, soils
10. **Sampling Procedures:**
Standard field methods
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Data widely scattered in time and place. Much of the data is not easily accessible.

16. Map Indicating areas of data holdings:

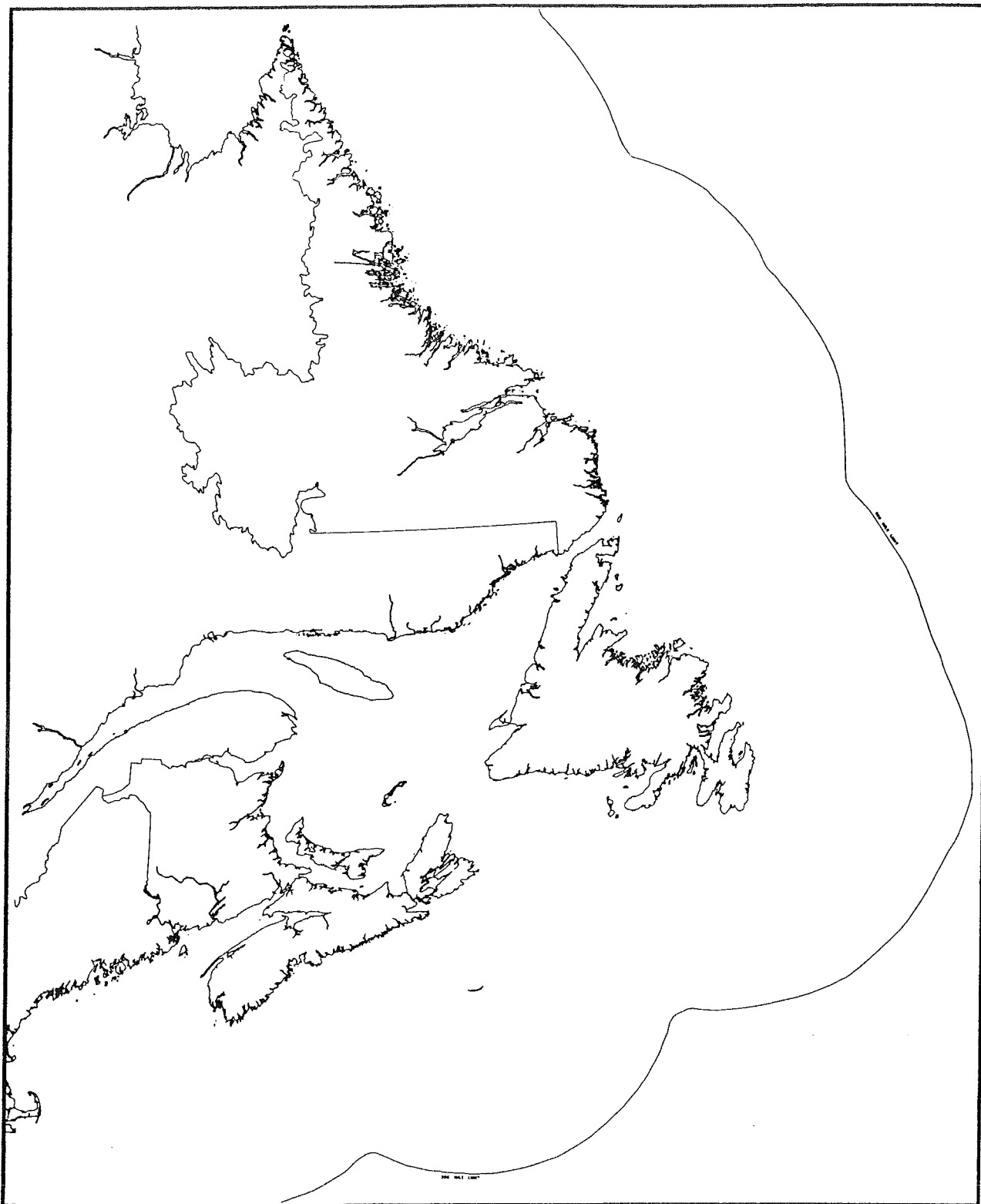


17. Signature: Unverified

Date:

1. **Database Title: Atlantic Salmon Tagging**
2. **Contact Person:**
Dr. J.M. Anderson
Vice-President, Operations
Atlantic Salmon Federation (ASF)
PO Box 429
St. Andrews, New Brunswick E0G 2X0
Tel (506) 529-4581; Fax (506) 529-4438
3. **Purpose:**
To determine role of genetics in return rate of adults released as smolt at ASF Salmon Research Centre in St. Andrews, New Brunswick
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Northwest Atlantic
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Annually
8. **Format:**
Hard-copy: Reports
9. **Data Types/Parameters Measured:**
Biological data
10. **Sampling Procedures:**
On-site recording
11. **Program Type:**
Monitoring and research
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
N/A
14. **Computer System:**
Host computer:
Operating System:
Software:
15. **Comments:**

16. Map Indicating areas of data holdings:

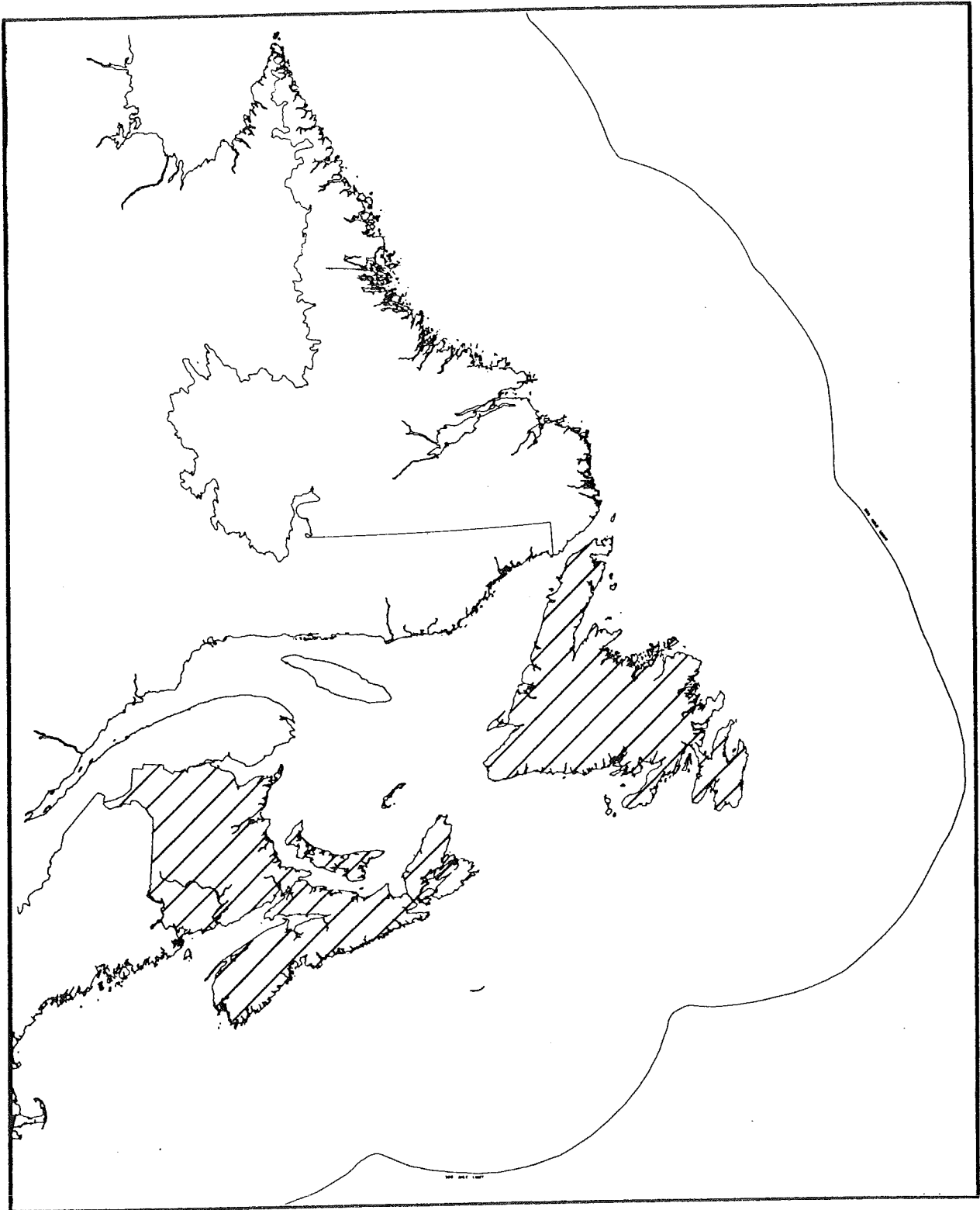


17. Signature: Verified

Date: September 9, 1992

1. **Database Title: Education and Public Awareness Program (EPAP)**
2. **Contact Person:**
Les Dominy
Director, EPAP
Atlantic Salmon Federation (ASF)
PO Box 429
St. Andrews, New Brunswick E0G 2X0
Tel (506) 529-4581; Fax (506) 529-4985
3. **Purpose:**
To make the public more aware of the socio-economic importance of recreational fisheries, and the habitats which sustain them in Atlantic Canada
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Four Atlantic Provinces
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Updated continuously
8. **Format:**
Hard-copy: Publications (On the Rise/Au bord de l'eau), video, teacher-training institutes, display material, etc.
9. **Data Types/Parameters Measured:**
Varied
10. **Sampling Procedures:**
Varied
11. **Program Type:**
Varied
12. **Size/Growth:**
N/A
13. **Environmental Legislation relevant to this data:**
Any legislation affecting enhancement of fisheries habitat
14. **Computer System:**
Host computer:
Operating System:
Software:
15. **Comments:**
EPAP is to be a component of a new program to be called Atlantic Sportsfishing Enhancement Program (ASEP)

16. Map Indicating areas of data holdings:



17. Signature: Verified

Date: September 9, 1992

1. **Database Title:** CCINFOdisc - Occupational Health and Safety (OH&S) Information on Compact Disk Read-Only Memory (CD-ROM)
2. **Contact Person:**
Hans Schefski
Manager
CCINFO Services
Canadian Centre for Occupational Health and Safety
250 Main Street East
Hamilton, Ontario L8N 1H6
Tel (416) 572-2981; Fax (416) 572-2206
3. **Purpose:**
To provide information about Occupational Health and Safety (OH&S)
4. **Access/Fees/Restrictions:**
Access: To Canadian and international organizations through subscription through contact person
Fees: \$100 per series (plus postage and handling)
Restrictions: None
5. **Geographical Coverage/Scale:**
Databases: Canada and international
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Varies with each database; new disks issued quarterly
8. **Format:**
Digital: Compact disk - Read Only Memory (CD-ROM); ISO 9660 Standard
9. **Data Types/Parameters Measured:**
Chemical/ready-to-use and bibliographic: MSDSs; pure chemical substances; WHMIS information; toxicity studies; Canadian studies, organizations and specialists in OH&S; legal case summaries; noise level measurements; packaging and shipping information and abstracts of Canadian and international documents
10. **Sampling Procedures:**
A collection of over 25 databases produced by CCOHS and others including original information and compilation of existing data
11. **Program Type:**
Research results, monitoring surveys, reports, bibliographies, educational information
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: IBM PC and compatibles
Operating system:
Software:
15. **Comments:**
Users must access CCINFOdisc using: an IBM, PC, XT, or other 100% compatible computer, DOS versions 3.1 or greater, Microsoft CD-ROM Extensions version 2.0 or greater which support the ISO-9660 CD-ROM Drive Unit with interface card and cable, and printer (if hard copy is required). CCINFOdisc contains the following databases:

DATABASES

TRADE NAMES: Material Safety Data Sheets (MSDS) on chemical trade name products as contributed by the manufacturer (supplier). Records are in English or French, as supplied by contributors. The corresponding French-language data base is NOMS DE MARQUE.

CHEMINFO: Information on pure chemicals, natural substances, and mixtures which result from industrial processes. Records are prepared by CCOGS staff using publicly available sources. Contains data which identify the chemical, and describes its physical properties, uses and occurrences and chemical reactivity. It also provides the effects of health hazards; gives instructions for first aid, personal protection and spill and leak procedures; and applies WHMIS criteria. The corresponding French-language database is INFOCHIM.

RTECS (English and French version): Computerized version of the NIOSH Registry of Toxic Effects of Chemical Substances (RTECS). RTECS is an annual compendium of toxicity data extracted from the scientific literature by NIOSH coded data have been replaced by descriptive words or phrases in English/French and are given English/French headings in the CCOHS presentation.

RIPP: Ready-to-use information identifying and describing products registered in Canada under the Pest Control Products (PCP) Act; produces by Agriculture Canada. Includes such information as product name, common and chemical names of active ingredients, and location of use and methods of application for a range of products, among them agricultural and forestry pesticides, wood preservatives, and disinfectants. Records are in English. The corresponding French-language data base is RIPA.

TDG: Packaging and shipping information for internationally recognized shipping names produced by GE Canada. These shipping names consist of the chemical name or class plus characteristics such as physical state or concentration. Information is provided on the mode of transport such as truck or air freight, and on the shipping regulations applicable (Transportation Release).

CANADIAN STUDIES: Directory of recent Canadian studies in the field of occupational health and safety. Records are in English or French, as provided by contributors. The corresponding French-language data base is ORGANISMES RESSOURCES.

RESOURCE PEOPLE: Directory of Canadians involved in the field of occupational health and safety. Records are in English and French, as provided by contributors. The corresponding French-language database is PERSONNES RESSOURCES.

CANADIANA: Annotated references to occupational health and safety documents published in Canada, about Canadian subjects, or by Canadian authors. It includes references on reports, articles, conference proceedings, monographs and unpublished materials. References are in the official language(s) of the document.

NOISE LEVELS: Noise level measurements based on actual work situations and related to different types of equipment and occupations in various industries. Data are taken from the results of measurements from both published and unpublished sources.

ESSENTIALS: Health and safety topics with references to readings selected by CCOHS subject specialists as necessary to acquire an understanding of the current knowledge on the topic. Information on the references appears in the official language(s) of the document. The corresponding French-language data base is REFERENCES ESSENTIELLES.

FATALITY REPORTS: Information about the circumstances surrounding occupationally related fatalities. Data are taken from reports on inquests and inquiries into occupationally related fatalities across Canada.

CASE LAW: Summaries of cases and decisions related to occupational health and safety for jurisdictions across Canada. Information on the cases includes, for example, jurisdiction, forum, year and a summary. Data are contributed by the organizations which actually prepare the summaries. Records are in English or French, as supplied by the donors. The corresponding French-language data base is NORMES ET REPERTOIRES.

NIOSH TIC: Bibliographic data base with international coverage of occupational health and safety documents; created by the National Institute for Occupational Safety and Health (NIOSH) in Cincinnati, U.S.A.

CISILO (English and French version): Bibliographic database with international coverage of occupational health and safety documents; created by the Centre international d'informations de sécurité et d'hygiène du travail (CIS) in Geneva, Switzerland.

PUBLICATIONS

CCOHS CHEMICAL HAZARD SUMMARIES/FICHES TOXICOLOGIQUES: Summaries on chemicals in common use in Canadian workplaces; produced by CCOHS scientists.

NEW JERSEY HAZARDOUS SUBSTANCE FACT SHEETS: Fact sheets on hazardous substances; produced by the State of New Jersey Department of Health.

CCOHS PUBLICATIONS: A collection of COHS Papers/Etudes on OH&S subjects.

VIDEOTEX INFORMATION PACKAGES

Colourful videotex presentations that use animated illustrations and easy-to-read text to explain technical concepts in an easy-to-understand form.

Presently, about 18 English and French, education and training topics in OH&S selected to support new initiatives, such as WHMIS, and explain problems such as asbestos.

Provide easy-to-read information packages for use on your personal computer and CD-ROM drive unit.

Additional equipment is required to access the Videotex Information Packages.

16. Map indicating areas of data holdings:



17. Signature: Unverified

Date:

1. **Database Title:** CCINFOline - Occupational Health and Safety (OH&S) Information on the host computer system of the Canadian Centre for Occupational Health and Safety (CCOHS) available throughout DATAPAC network
2. **Contact Person:**
Hans Schefski
Manager
CCINFO Services
Canadian Centre for Occupational Health and Safety
250 Main Street East
Hamilton, Ontario L8N 1H6
Tel (416) 572-2981; Fax (416) 572-2206
3. **Purpose:**
To provide information to Canadians about OH&S
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Canada and international
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
Varies with each database
Updated continuously, but each database has its own update frequency
8. **Format:**
Digital: Access via DATAPAC telecommunications network
9. **Data Types/Parameters Measured:**
Chemical: Ready-to-use and bibliographic - MSDSs; pure chemical substances; WHMIS information; toxicity studies; Canadian studies, organizations and specialists in OH&S; legal case summaries; noise level measurements; occupationally related fatalities; CSA standards; pesticide products; packaging and shipping information and abstracts of Canadian and international documents
10. **Sampling Procedures:**
A collection of over 25 databases produced by CCOHS and others including original information and compilation of existing data.
11. **Program Type:**
Research results, monitoring, surveys, reports, bibliographies and educational information
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: HP3000 Minicomputer
Operating system:
Software: MINISIS DBMS

15. Comments:

Users must access CCINFOline through the Datapac Telecommunications Network, with an ASCII terminal. CCINFOline contains the following databases:

TRADE NAMES: Material Safety Data Sheets (MSDS) on chemical trade name products as contributed by the manufacturer (supplier). Records are in English or French, as supplied by contributors. The corresponding French-language database is NOMS DE MARQUE.

CHEMINFO: Information on pure chemicals, natural substances, and mixtures which result from industrial processes. Records are prepared by CCOGS staff using publicly available sources. Contains data which identify the chemical, and describes its physical properties, uses and occurrences and chemical reactivity. It also provides the effects of health hazards; gives instructions for first aid, personal protection and spill and leak procedures; and applies WHMIS criteria. The corresponding French-language data base is INFOCHIM.

RTECS (English and French version): Computerized version of the NIOSH Registry of Toxic Effects of Chemical Substances (RTECS). RTECS is an annual compendium of toxicity data extracted from the scientific literature by NIOSH coded data have been replaced by descriptive words or phrases in English/French and are given English/French headings in the CCOHS presentation.

RIPP: Ready-to-use information identifying and describing products registered in Canada under the Pest Control Products (PCP) Act; produced by Agriculture Canada. Includes such information as product name, common and chemical names of active ingredients, and location of use and methods of application for a range of products, among them agricultural and forestry pesticides, wood preservatives, and disinfectants. Records are in English. The corresponding French-language data base is RIPA.

TDG: Packaging and shipping information for internationally recognized shipping names produced by GE Canada. These shipping names consist of the chemical name or class plus characteristics such as physical state or concentration. Information is provided on the mode of transport such as truck or air freight, and on the shipping regulations applicable (Transportation Release).

CANADIAN STUDIES: Directory of recent Canadian studies in the field of occupational health and safety. Records are in English or French, as provided by contributors. The corresponding French-language database is ORGANISMES RESSOURCES.

RESOURCE PEOPLE: Directory of Canadians involved in the field of occupational health and safety. Records are in English and French, as provided by contributors. The corresponding French-language data base is PERSONNES RESSOURCES.

CANADIANA: Annotated references to occupational health and safety documents published in Canada, about Canadian subjects, or by Canadian authors. It includes references on reports, articles, conference proceedings, monographs and unpublished materials. References are in the official language(s) of the document.

NOISE LEVELS: Noise level measurements based on actual work situations and related to different types of equipment and occupations in various industries. Data are taken from the results of measurements from both published and unpublished sources.

ESSENTIALS: Health and safety topics with references to readings selected by CCOHS subject specialists as necessary to acquire an understanding of the current knowledge on the topic. Information on the references appears in the official language(s) of the document. The corresponding French-language data base is REFERENCES ESSENTIELLES.

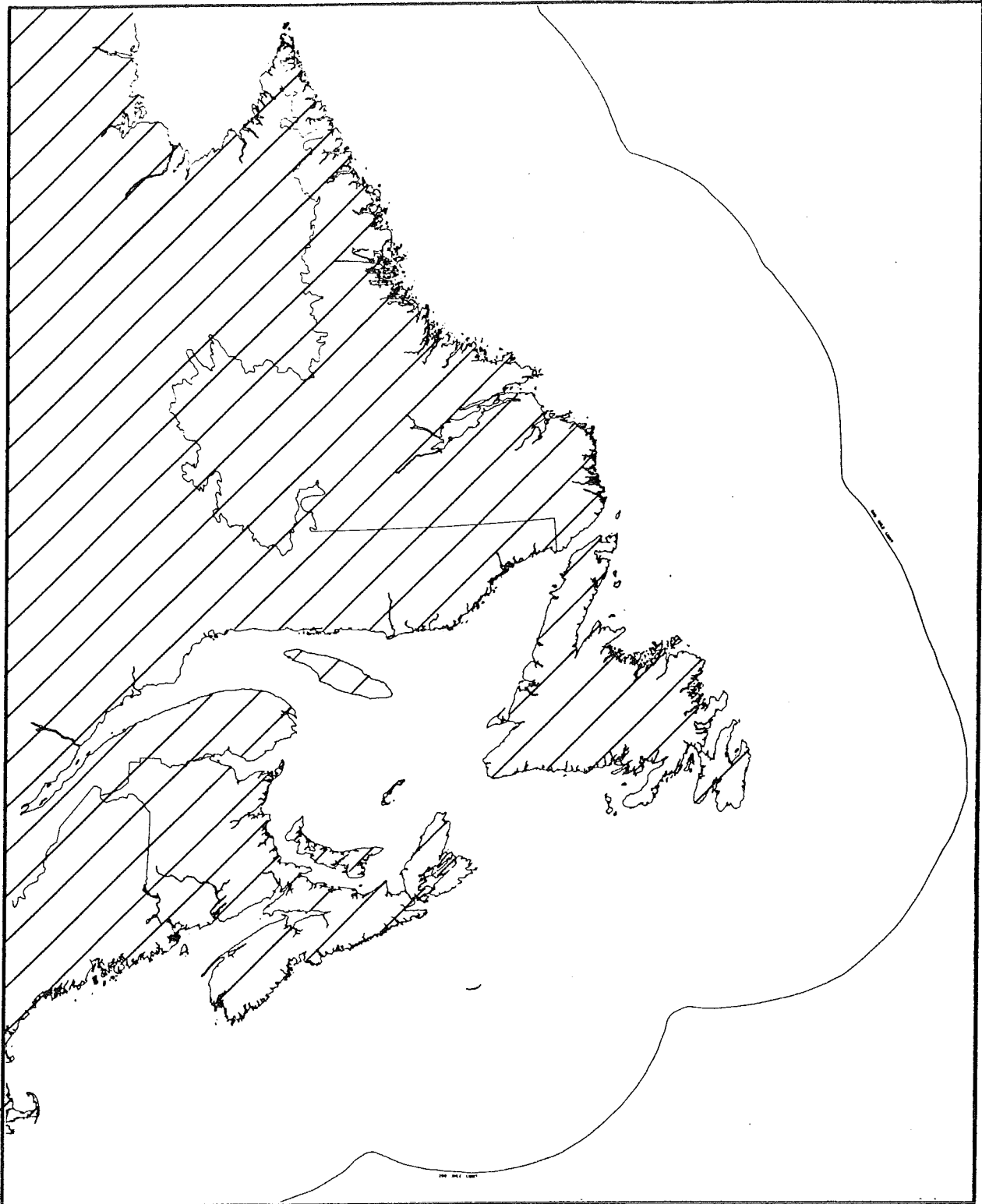
FATALITY REPORTS: Information about the circumstances surrounding occupationally related fatalities. Data are taken from reports on inquests and inquiries into occupationally related fatalities across Canada.

CASE LAW: Summaries of cases and decisions related to occupational health and safety for jurisdictions across Canada. Information on the cases includes, for example, jurisdiction, forum, year and a summary. Data are contributed by the organizations which actually prepare the summaries. Records are in English or French, as supplied by the donors. The corresponding French-language database is NORMES ET REPERTOIRES.

NIOSHTIC: Bibliographic database with international coverage of occupational health and safety documents; created by the National Institute for Occupational Safety and Health (NIOSH) in Cincinnati, U.S.A.

CISILO (English and French version): Bibliographic database with international coverage of occupational health and safety documents; created by the Centre international d'informations de sécurité et d'hygiène du travail (CIS) in Geneva, Switzerland.

16. Map Indicating areas of data holdings:

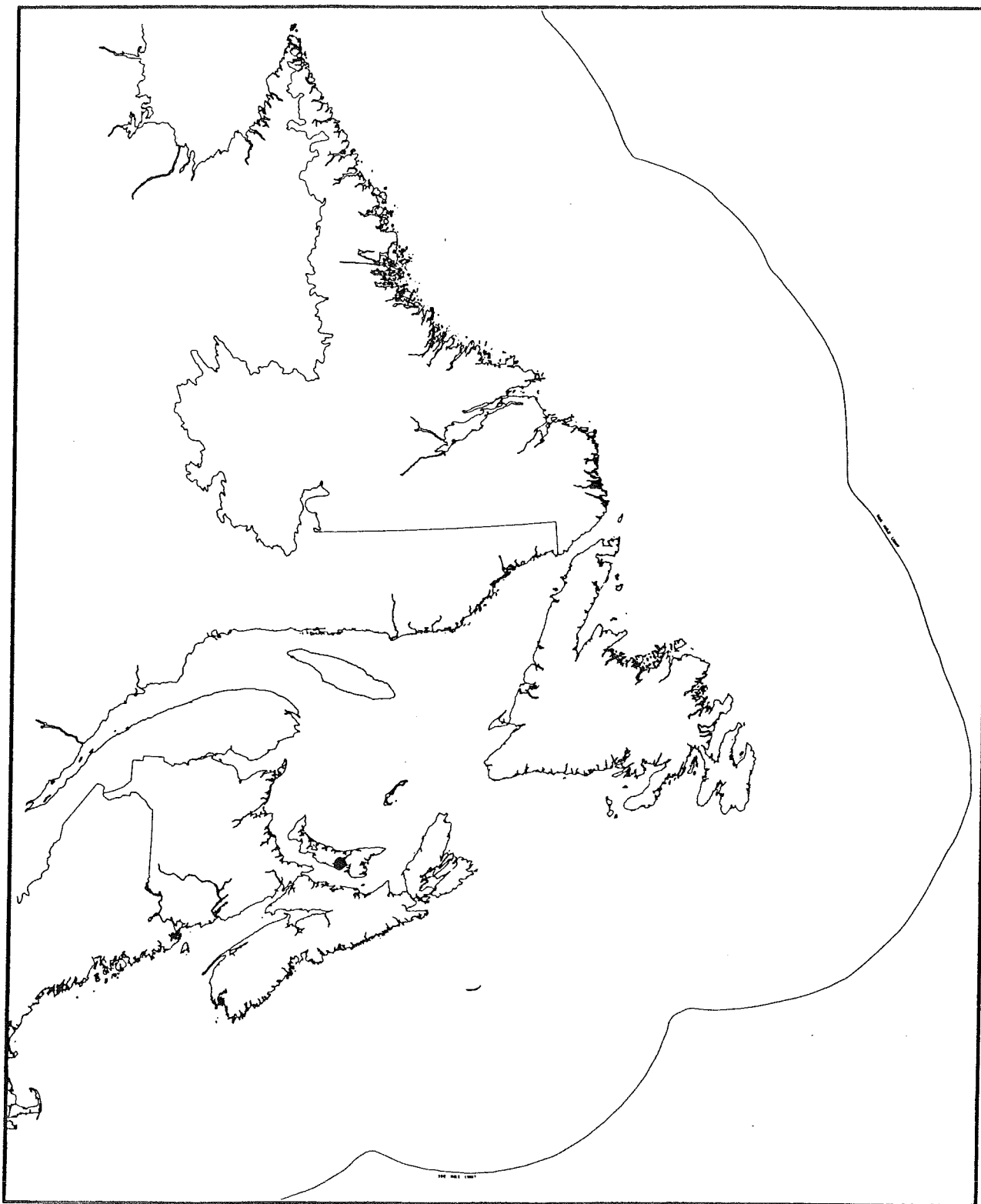


17. Signature: Unverified

Date:

1. **Database Title: City Piping**
2. **Contact Person:**
Ed Smith
City Engineer
City of Charlottetown
PO Box 98
Charlottetown, PEI C1A 7K2
Tel (902) 566-5548
3. **Purpose:**
To respond to requests from utility company and residents for location of underground systems
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: Yet to be determined
Restrictions: Disclaimers regarding elevation, accuracy, etc.
5. **Geographical Coverage/Scale:**
City of Charlottetown
6. **Geographical Referencing:**
Civic address
7. **Period of Record/Update Frequency:**
1940s to present
Ongoing updates
8. **Format:**
Hard-copy
9. **Data Types/Parameters Measured:**
Address and piping specifics
10. **Sampling Procedures:**
11. **Program Type:**
Monitoring
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating system: MS DOS
Software:
15. **Comments:**
This information is currently being automated.

16. Map indicating areas of data holdings:

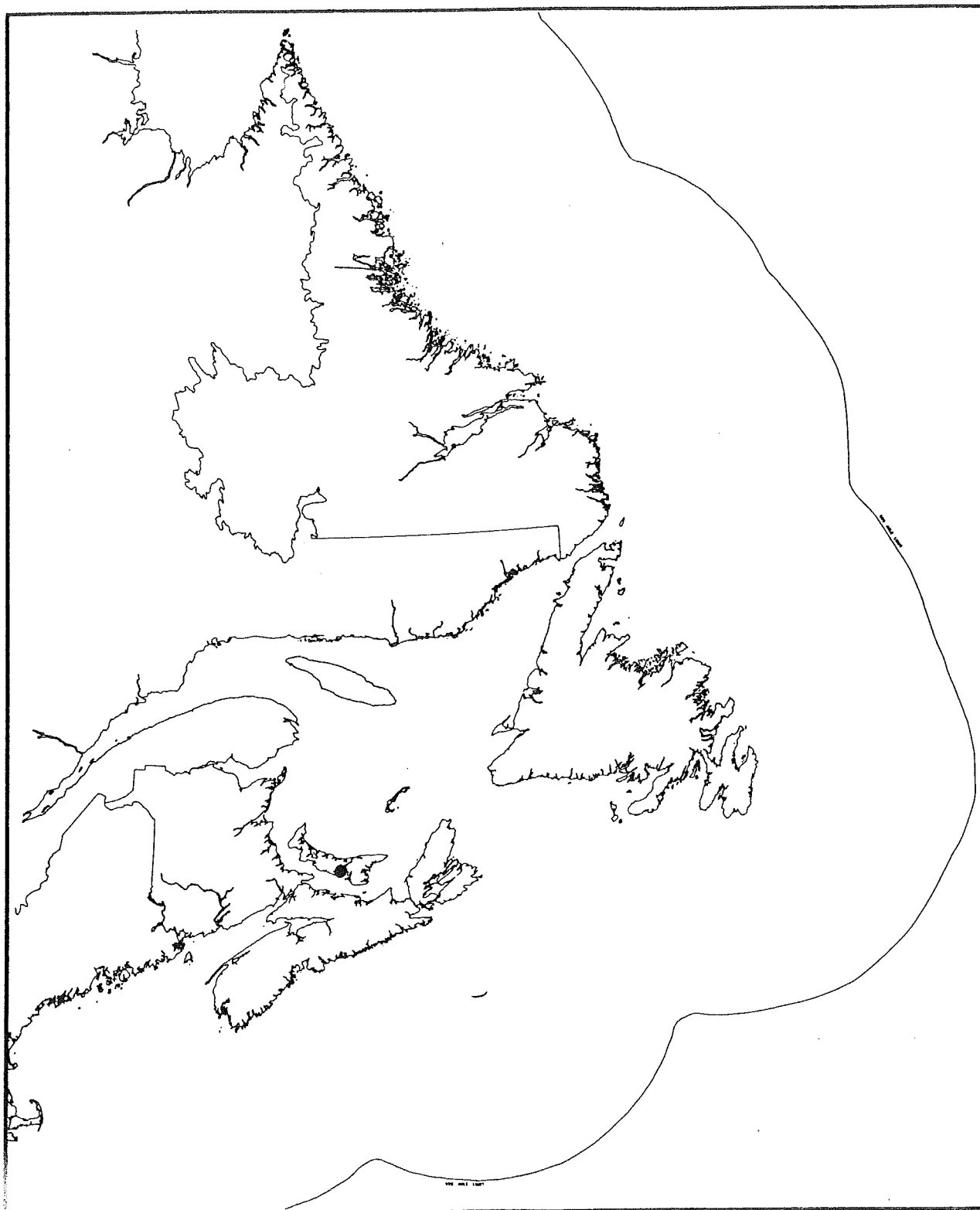


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: Planning Permits**
2. **Contact Person:**
Don Poole
Planning and Development Office
City of Charlottetown
PO Box 98
Charlottetown, PEI C1A 7K2
Tel (902) 566-5548
3. **Purpose:**
To keep land records within city limits
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees:
Restrictions: Access recommended through PEI Department of Finance, Real Property Records Division.
5. **Geographical Coverage/Scale:**
City of Charlottetown
6. **Geographical Referencing:**
Parcel number
7. **Period of Record/Update Frequency:**
1960s to present
Ongoing updates
8. **Format:**
Digital: DBF, SDF and ASCII formats on Disk
Hard-copy
9. **Data Types/Parameters Measured:**
Parcel, owner information and permits granted
10. **Sampling Procedures:**
11. **Program Type:**
Historical records
12. **Size/Growth:**
Approximately 6000 records
13. **Environmental Legislation relevant to this data:**
Municipal legislation
14. **Computer System:**
Host computer:
Operating system:
Software:
15. **Comments:**
Not yet automated.

16. Map indicating areas of data holdings:

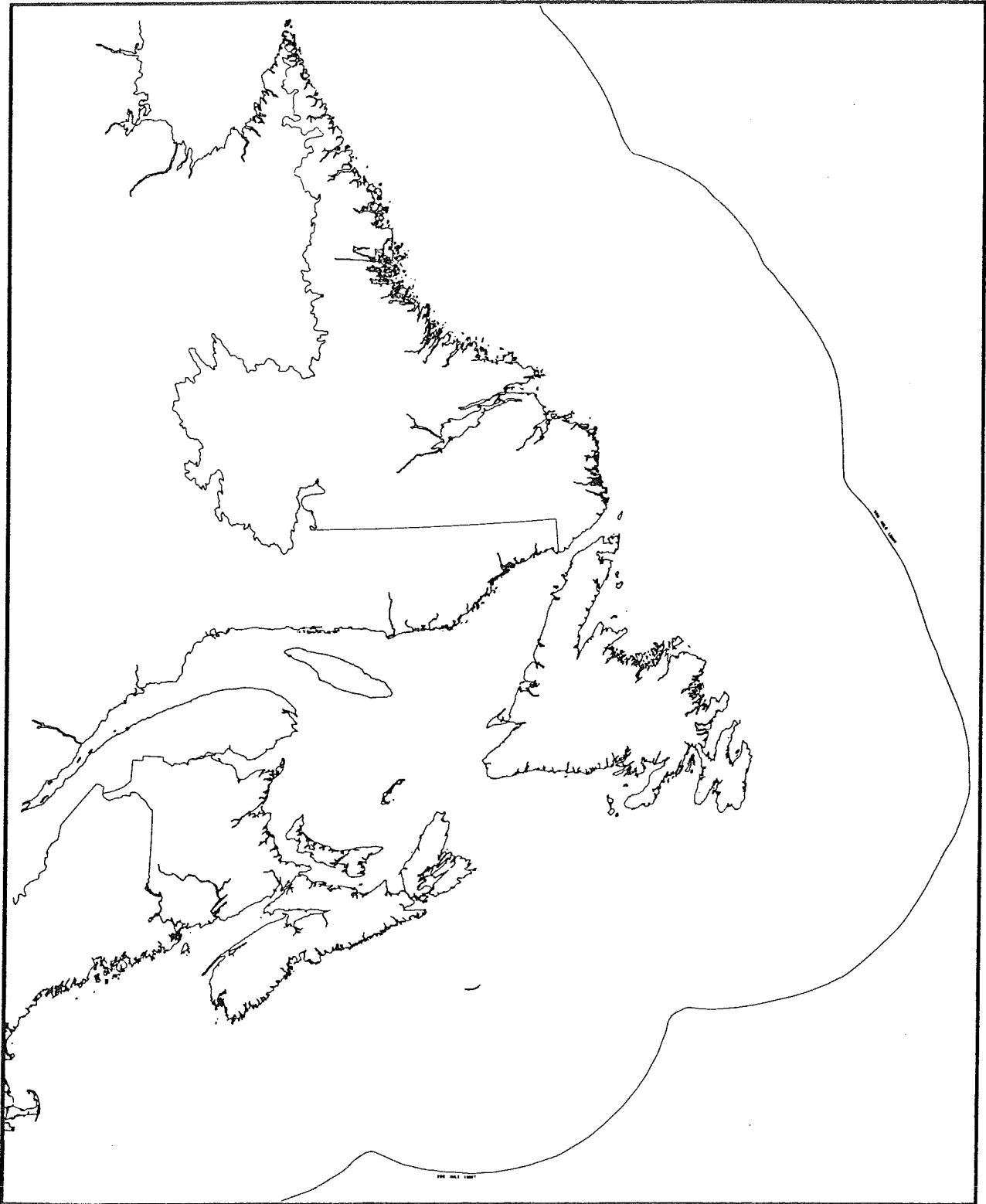


17. Signature: Verified

Date: September 30, 1992

1. **Database Title: Ducks Unlimited Project Information**
2. **Contact Person:**
John Waugh
Eastern Regional Manager
Ducks Unlimited Canada
PO Box 430
Amherst, Nova Scotia B4H 3Z5
Tel (902) 667-8726; Fax (902) 667-0916
3. **Purpose:**
To maintain information in support of waterfowl habitat management
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: May be charge for large information search
Restrictions: Some restrictions to protect waterfowl areas
5. **Geographical Coverage/Scale:**
Atlantic Provinces - salt and freshwater marshes at scattered locations throughout the region
6. **Geographical Referencing:**
Site specific
7. **Period of Record/Update Frequency:**
1960s to present
Information on engineering and biological inspections added annually
8. **Format:**
Digital
Hard-copy
9. **Data Types/Parameters Measured:**
Physical: Location of site, size, shoreline miles
Biological: Biological/engineering inspections focusing on limiting factors to waterfowl production
10. **Sampling Procedures:**
Field surveys
11. **Program Type:**
Survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Twin IBM 4341 mainframe
Operating system:
Software:
15. **Comments:**
Access can be achieved from Ducks Unlimited Canada's Amherst Office, although the computer database is located in Winnipeg.

16. Map indicating areas of data holdings:



17. Signature: Verified

Date: August 7, 1992

1. **Database Title: Environmental Information - Ecology Action Centre**
2. **Contact Person:**
Catherine Pross
Ecology Action Centre
3115 Veith Street
Halifax, Nova Scotia B3K 3G9
Tel (902) 454-7828; Fax (902) 454-4766
3. **Purpose:**
To provide access to information on important environmental issues
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None; membership is encouraged; non-circulating
5. **Geographical Coverage/Scale:**
Atlantic Provinces - focus on Nova Scotia; some national and international material
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1971 to present
Information added continuously
8. **Format:**
Digital: Bibliography
Hard-copy
9. **Data Types/Parameters Measured:**
Physical, chemical and biological: Various parameters, as database is a of a wide range of existing data on issues including pesticides, environmental assessments, household hazardous wastes, recycling, public participation, mediation and negotiation, tropical rain forests, water quality, pollution, acid rain, forestry, energy, alternatives
Social sciences/organizational, legal
10. **Sampling Procedures:**
N/A
11. **Program Type:**
Research and education
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: Macintosh
Operating system:
Software:
15. **Comments:**
The Ecology Action Centre has done work in all aspects of environmental issues in Nova Scotia, household hazardous wastes, submissions to environmental assessment panels, and pesticides. The Ecology Action Centre has a large (over 8000 items) bibliography and library collection which is organized into 5 categories: 1) biosphere; 2) pollution; 3) resources; 4) human habitat; 5) energy.

16. Map indicating areas of data holdings:

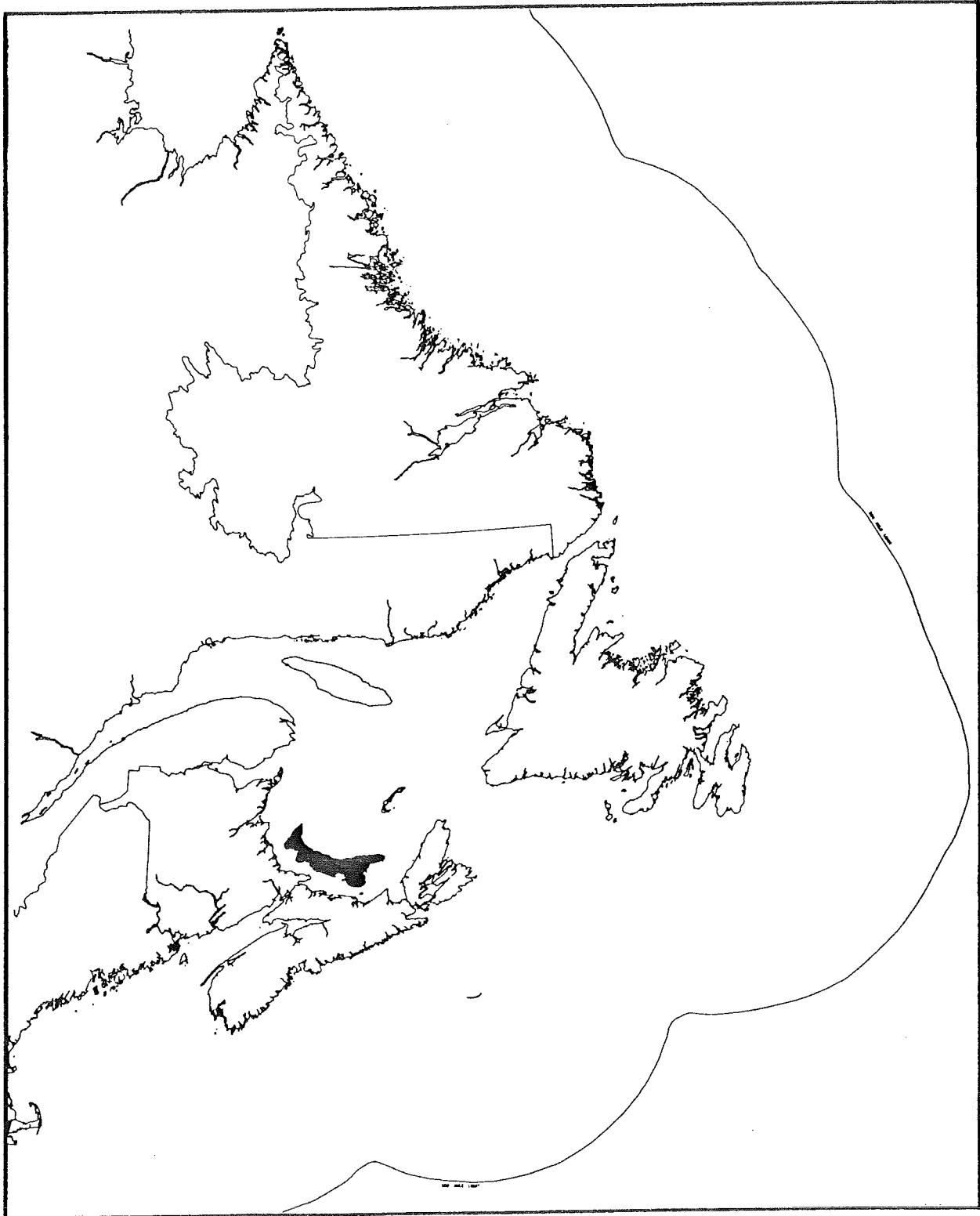


17. Signature: Verified

Date: October 26, 1992

1. **Database Title: Natural Areas - Prince Edward Island**
2. **Contact Person:**
Dianne Griffin
Island Nature Trust
PO Box 265
Charlottetown, Prince Edward Island C1A 7K4
Tel (902) 566-9150
3. **Purpose:**
Educational information and to maintain data to help preserve natural areas in Prince Edward Island
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
Prince Edward Island
6. **Geographical Referencing:**
7. **Period of Record/Update Frequency:**
1972 to present
Updated daily
8. **Format:**
Digital
Hard-copy: Unpublished files and reports
9. **Data Types/Parameters Measured:**
Physical: Size and location of natural areas, soils, land use
Chemical: Soil acidity
Biological: Species distribution and abundance, height and diameter of trees
10. **Sampling Procedures:**
Field surveys and air photo interpretation
11. **Program Type:**
Research, monitoring and survey
12. **Size/Growth:**
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: TRS80
Operating system:
Software:
15. **Comments:**
The Island Nature Trust works to preserve natural areas in Prince Edward Island through the acquisition, private stewardship and leasing of properties. There are over 50 natural areas in the Province being considered for protection.

16. Map Indicating areas of data holdings:

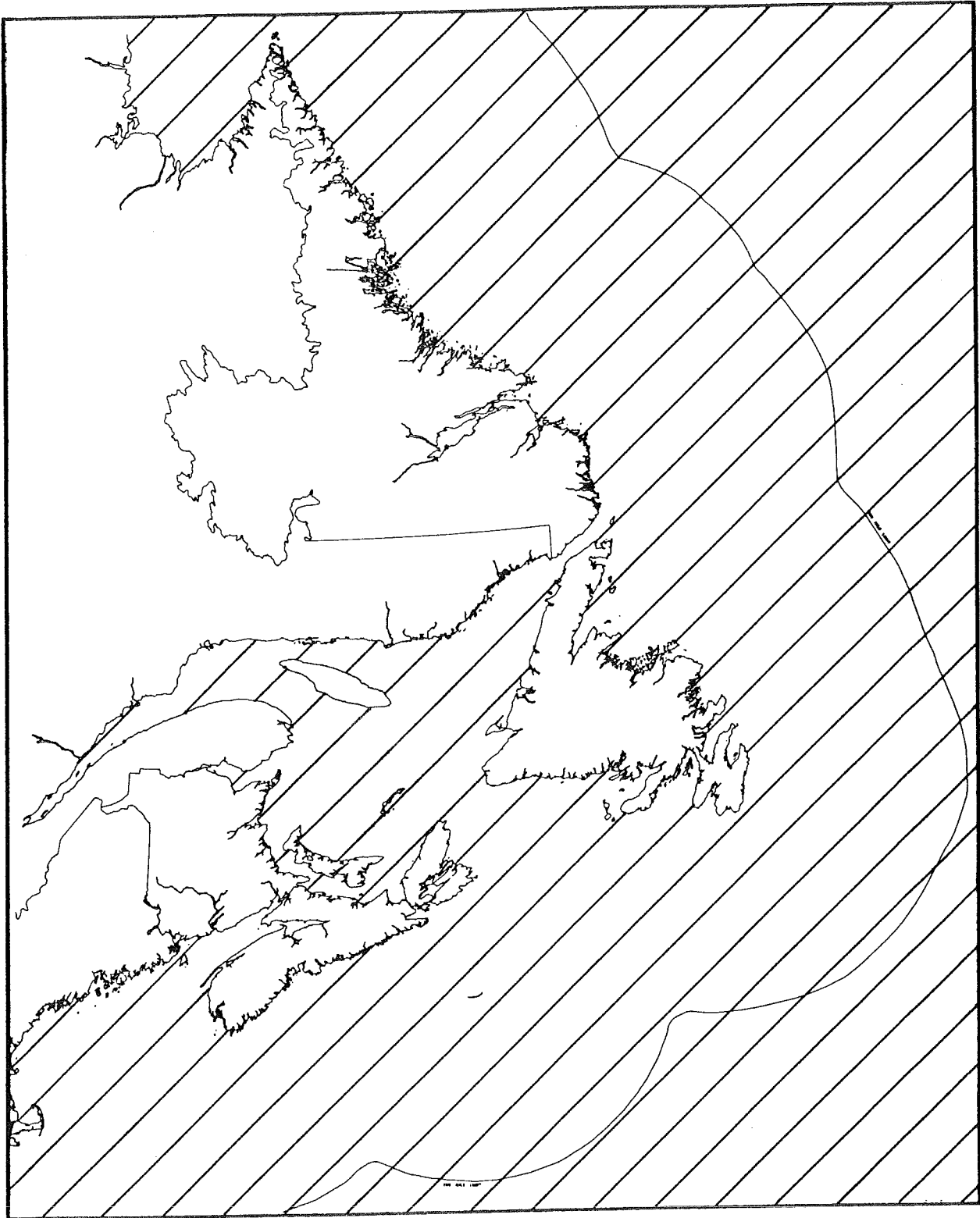


17. Signature: Unverified

Date:

1. **Database Title: Fisheries Statistics of the Northwest Atlantic**
2. **Contact Person:**
Tissa Amaratunga
Assistant Executive Secretary
Northwest Atlantic Fisheries Organization (NAFO)
PO Box 638
Dartmouth, Nova Scotia B2Y 3Y9
Tel (902) 469-9105; Fax (902) 469-5729
Telex 019-31475
3. **Purpose:**
Optimum utilization, rational management and conservation of the fishery resources
4. **Access/Fees/Restrictions:**
Access: Through contracting party to the NAFO Convention
Fees: None
Restrictions: Subject to Convention and/or approval by the NAFO governing bodies
5. **Geographical Coverage/Scale:**
Northwest Atlantic
6. **Geographical Referencing:**
Statistical areas/Latitudes/Longitudes
7. **Period of Record/Update Frequency:**
Ongoing and computer updated since 1960; some earlier data in hard-copy
8. **Format:**
Digital: Reports
Hard-copy: Reports
9. **Data Types/Parameters Measured:**
Fishery statistics: catch and effort data in ranging degrees of detail
Biological data by fish species: inventory
Oceanographic data: inventory
Fishing vessel: listing
10. **Sampling Procedures:**
National report submissions
11. **Program Type:**
Data management and stock assessments
12. **Size/Growth:**
About 17,500 records consistently
Monthly and annual reports; bulletins published on an annual basis
13. **Environmental Legislation relevant to this data:**
N/A
14. **Computer System:**
Host computer: IBM PC
Operating System: MS DOS
Software: dBASE III
15. **Comments:**

16. Map indicating areas of data holdings:

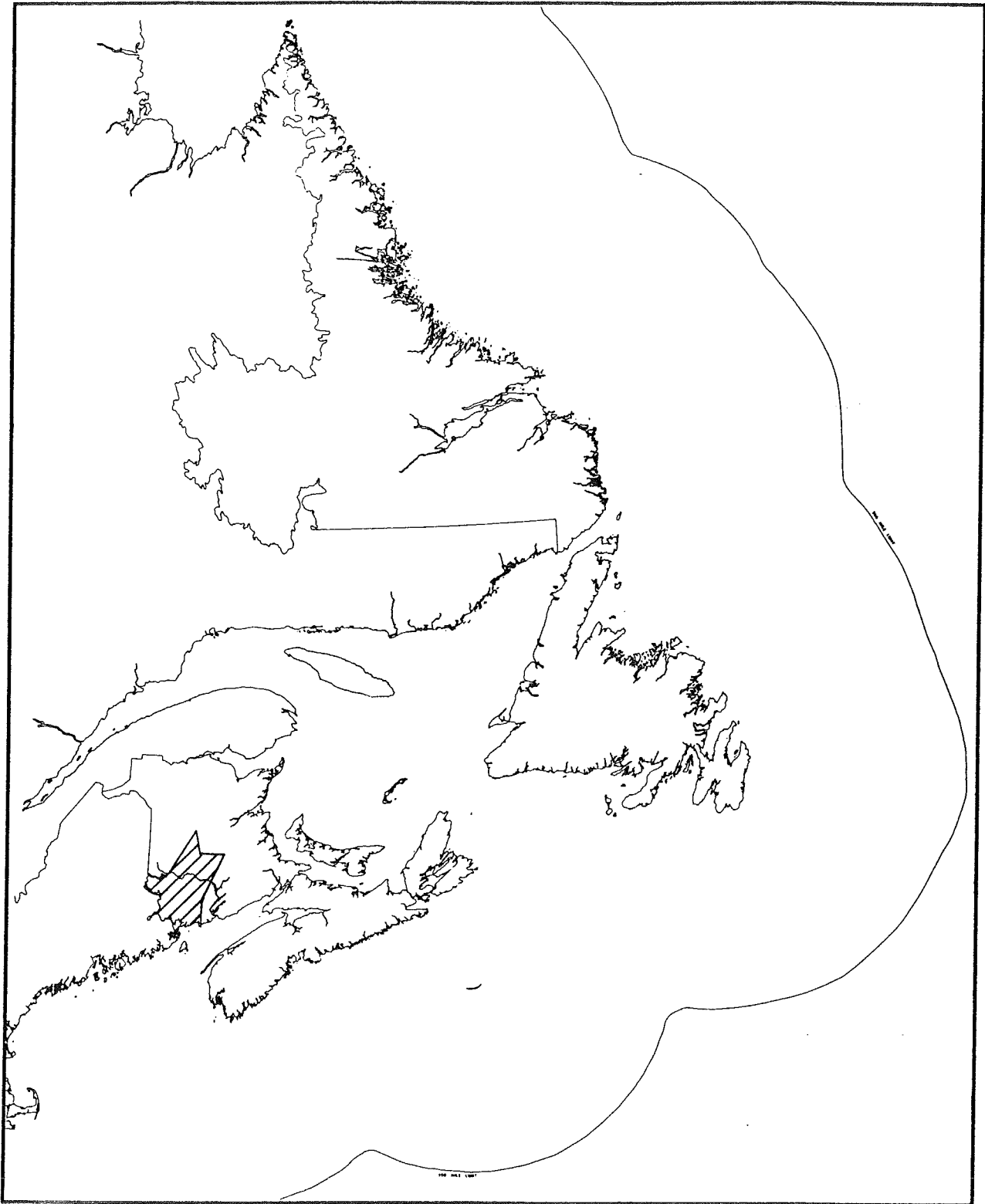


17. Signature: Not signed

Date:

1. **Database Title: YSC Forest Cover Stand Inventory**
2. **Contact Person:**
Mohamed El-Bayoumi
Regional Planner
YSC Forest Products Marketing Board
PO Box 424, Station A
Fredericton, New Brunswick E3B 4Z9
Tel (506) 446-6080; Fax (506) 446-4501
3. **Purpose:**
To define forest stand boundaries in the York-Sunbury-Carleton area and private woodlot owner's ownership
4. **Access/Fees/Restrictions:**
Access: Through contact person
Fees: None
Restrictions: None
5. **Geographical Coverage/Scale:**
York, Sunbury and Charlotte counties of New Brunswick
6. **Geographical Referencing:**
UTM
7. **Period of Record/Update Frequency:**
Established in 1986-87 during Forest Inventory of the Province of New Brunswick; updated every 10 years
8. **Format:**
Digital: Maps
Hard-copy: Maps
9. **Data Types/Parameters Measured:**
Location, area, forest cover information: species composition, age, height, diameter class, etc.
Ownership information: name, address, phone, etc.
10. **Sampling Procedures:**
Airphoto interpretation for entire area; cruised data for sample plots
11. **Program Type:**
Strategic and short-term planning of forest management activities on private land in the YSC Region
12. **Size/Growth:**
313 maps in the YSC Region; each map has approximately 4 layers of special information such as roads and rivers
13. **Environmental Legislation relevant to this data:**
14. **Computer System:**
Host computer: PC
Operating System: MS DOS
Software: Atlas GIS, FOXPRO
15. **Comments:**

16. Map indicating areas of data holdings:



17. Signature: Not signed

Date:

