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DIRECTORATE**

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DES TERRES**

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**AN INVENTORY OF FEDERALLY  
MAINTAINED LAND DATA  
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**AN INVENTORY**  
**OF FEDERALLY MAINTAINED LAND DATA**

Arthur Petch and Sandy Macenko  
,

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APPENDIX A

Statistics Canada Land Data



## INTRODUCTION

Land is fundamental to the production of the most essential resources, including food, fibre, minerals, fuels, shelter, water and oxygen. Land is an integral element in the control of pollution and maintenance of productive ecosystems, and is therefore, also an integral element in local, regional and national planning and policy issues.

Because land is the origin of Canada's most important economic resources it is the subject of a wide variety of research and productive activities involving data production. As a result large amounts of eclectic data relating to land have been produced over the years. More recently the advance of computers and the popularity of multi-variate analysis have created a dramatic increase in the production and collection of land data and the variety of its uses.

Despite the demand for data, and the fact that governments are the greatest collectors of land data there has been no nationwide inventory to assist public access to this data. However, some provincial governments have produced or funded inventories of "land resource" and "land" and "land-related" information sources. Because there was no federal government inventory of land data and because of the potential benefit to many throughout the nation it was decided to produce this federally-oriented inventory. Both federal and provincial land data users supported the

contention that such an inventory is required in order to more easily locate the appropriate federal office for specific data collections. These people also indicated that besides acquiring data and avoiding duplication of data production there was also the considerable benefit of being able to identify peers in the federal government.

This inventory study is a modest attempt to produce a starting point from which an on-going inventory of all government maintained land data collections could begin. Despite the need for a complete inventory containing data collections from all levels of government the resources required for the inclusion of provincial and municipal in that inventory were not available. If some organization were to undertake such an inventory, the experience of this study clearly indicates that success would require the active participation of both the users and data collection contacts themselves. It is a matter of there being so much information and so few resources to process it.

#### Objectives of the Inventory

The prime objective of this inventory is to identify major federal collections of land data and to provide informative descriptions of them to potential users. It is hoped that this information will increase the effective use of the data collections for land research, planning and management purposes.

A secondary objective is to help users, especially those whose task it is to maintain data, identify their peers and to benefit from their related experiences. Data collection maintenance is a rapidly changing and specialized science and those who must maintain collections can benefit from the related experiences of others especially those who work under a similar variety of conditions and constraints.

Terms of Reference and Definitions:

Identification of data collections required that terms of reference be developed and carefully expressed in order to help contributors judge whether a given collection should or should not be included in the inventory. Composition of a fully satisfactory definition was made more difficult since many producers of land-related data do not perceive their data in this way due to their particular disciplinary bias.

After some trial and error the following description was used to define a land data collection:

"a manual or computerized data set, report, bank, or system which stores, according to spatial (geographic) criteria, physical-environmental, historical-cultural, or social-economic data that have implications regarding the accessibility, capability, and/or use of land".

In order that a collection be included as a 'federal' collection it must be maintained by the federal government. Any collection which could not have a federal government department, agency, or corporation employee or office indicated as the official contact for information and access to the data was not considered to be "federally maintained land data".

For the purpose of this study both source (numeric) data and bibliographic (reference) data were included in the inventory. While

emphasis has been placed on the identification of source data holdings, bibliographic holdings were less strictly screened due to their eclectic nature and high general value. Approximately 10% of the inventoried collections are bibliographic in nature.

Inventory Preparation:

While designing the methodology to be followed in the survey stage of this study it was realized that most people dislike answering survey questionnaires and filling out forms, consequently it was decided that Lands Directorate researchers would fill out as much of the required form as possible. This provided a degree of standardization of the descriptions and improved the ability of the contacts to participate by minimizing the time required of them to validate the collections already identified and described. Identification of new data collections by the contacts was frequent.

Data Collection Identification:

The method used to identify data collections involved two steps. The first was to acquire and research annual reports, financial estimates publications, data directories, and telephone directories of federal government departments, agencies, and corporations. This effort identified major data storage systems, programs and operational units which, in whole or in part, were created to collect land data. Considerable information describing the identified data collections was gleaned from these sources.

The second step was to identify offices and individuals responsible for these data collections by associating programs with operational units, positions and phone numbers listed in the telephone directories. Direct contact (telephone and personal interviews) provided further information required to describe the data collections, and often identified other heretofore unknown collections and sources of information.

Describing the Data Collections:

Inventory forms were used to standardize the information collected on each data holding and to provide users with sufficient information with which to judge the utility of the data vis-à-vis their particular needs. The name position, address and telephone number of the official contact person (preferably the scientific authority) responsible for the data is provided to permit direct liaison.

A blank copy of the inventory form is printed on the following page.

The descriptions of each data collection published in this report was first written by Lands Directorate researchers based on the gathered information. Effort was made to standardize the kind of information provided for each collection, but considerable variation existed due to the availability of information and the type of data collection. Little effort was made to standardize terminology; it was decided that the terms used by the originators of the data collectors should be given priority since it is they and not the Lands Directorate staff who will be contacted by interested data users.

The final contents of the data description forms was often provided by the contact person identified on the form, and any contact who demonstrated an interest in re-writing the contents or preparing the contents of newly identified holdings was encouraged to do so.

There are two notable exceptions to the use of these forms. The first is the detailed description of the Canada Land Data System holdings of client material. Several pages of lists are required to present the holdings. The second exception is the description of the Statistics Canada land data holdings. Statistics Canada undertook a review of their

FILE NUMBER \_\_\_\_\_

(1) agency name:	(2) date:	
	(3) periodicity:	
	(4) area:	
	(5) file size:	
(6) Keywords: (subject and variables)		
(7) description & features		
(8) geographical identifications		
(9) storage medium: electronic	hard copy	(10) spatial character:
		(11) scale of maps:
(12) origin of data:	(13) contacts:	

- 7 -  
GUIDE TO FORM COMPLETION

FILE NUMBER \_\_\_\_\_

*Complete title used to identify data set, include accepted acronym.*

<p>(1) agency name:  <i>Complete name including organization subdivisions.</i></p>	<p>(2) date: <i>date collection initiated</i></p> <p>(3) periodicity: <i>frequency of collection update</i></p> <p>(4) area: <i>Geographical Region for which data is relevant</i></p> <p>(5) file size: <i>contact's description</i></p>
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**(6) Keywords: (subject and variables)**

*Descriptive terms indicating subject and variables included in the collection. Terminology used is at contact's discretion.*

**(7) description & features**

*Concise description of collection. May be continued on attached sheet, contains information necessary to understand of intended and possible application of data. Format and extent of detail up to contact can include year(s) data valid for, unique aspects of collection methodological aspects.*

**(8) geographical identifications**

*Means used to relate data to land parcels, eg. legal description, latitude and longitude military grid, UTM projection street address, telephone grid, survey plan,*

<p><b>(9) storage medium:</b> electronic</p> <p><i>Examples:</i> key punch cards magnetic tape floppy disc hard disc <i>others: (specify)</i></p>	<p>hard copy</p> <p><i>Examples:</i> index cards tables charts/graphs maps/overlays <i>others: (specify)</i></p>	<p><b>(10) spatial character:</b> <i>semi-spatial: Land area defined but values not homogeneously distributed. Point. Line: Isotherm, etc. Areal.</i></p>
<p><b>(11) scale of maps:</b> <i>If applicable</i></p>		

**(12) origin of data:**

*Describe how data was acquired eg. in-house-questionnaire, contract-field survey  
Primary source-census of Canada 1971, etc.*

**(13) contacts:**

*Full name, mailing address and phone number of contact persons responsible for data collection*

contribution to national land data collection and produced a report entitled Report of the Working Group on Land Statistics in June 1981.<sup>1</sup>

It was the involvement of the Lands Directorate in this working group that helped initiated this inventory and it was agreed that Lands would utilize the results of the Statistics Canada in-house review. Consequently, the appropriate table from their report identifies the land data holdings of Statistics Canada.

Inventory Form Verification:

Verification of the data collection description forms by the official contact person or office was deemed necessary prior to publication. Verification was achieved by mailing to each contact a copy of the inventory form(s) which described their data collection and those of others in their office.

The contacts were asked to verify the descriptions of their collections, to make any necessary additions and/or deletions, and to identify other appropriate data collections not already identified.

To assist them in the verification stage a "Guide to Form Completion" was included with the description of their collection. The guide form is a duplicate of the inventory form except that descriptive information has been replaced by explanations of the kind of information desired.

A copy of the guide form is printed on the back of the blank inventory form.

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<sup>1</sup> This report was submitted by A.M. Friend, Chairman of the Working Group on Land Statistics to the Chief Statistician on July 6, 1981.



## The Keyword Index

The Keyword Index is composed of keywords presented on the inventory description forms. Due to the interdisciplinary nature of the data collections identified herein, no attempt was made to standardize the keywords except in a most rudimentary editorial manner. However, subjective editing of keywords from the index was practiced during the compilation of the index. Consequently, not all keywords found on the inventory form have been included in the index.

## Use of this Inventory

In using the inventory it is suggested that the user seek out collections associated with the subject of his/her interest by locating appropriate keywords and noting the associated inventory file number(s). Since the keywords alone often do not reflect the total character of the data collection it is also advisable that users 'thumb' through the departmental sections where the collection descriptions are located. Often identifying the department where you think or know a particular type of data is kept one can identify the appropriate collection descriptions.

It is important to keep in mind, that while the keyword guide will locate data collections associated with the keyword it cannot be assumed that all data collections containing the desired data will necessarily be listed under that term. Variations in terminology, reluctance to state the obvious and other practical reasons have resulted in the keyword descriptions of many data forms being less than exhaustive.

Should anyone wish to identify federal land data collections not already described in this inventory, they are invited to complete a copy of the blank sample inventory form and send it to:

Lands Directorate  
Environment Canada  
Ottawa, Ontario  
K1A 0E7

KEYWORD INDEX

ABORIGINAL RIGHTS:

INA 8/1-1

ACCESSIBILITY:

Indian Reserves -

INA 7/2-1

AERONAUTICAL CHARTS:

EMR 1/5-5

AEROMAGNETIC:

EMR 3/1-4

AERIAL PHOTOGRAPHS:

EC 3/2-1, 5/5-2  
EMR 1/5-1, 1/5-2, 1/5-3  
INA 3/1-2

AGRICULTURAL:

Land Use -

EC 6/2-1, 6/2-2

Legislation -

EC 6/2-1

Population -

EC 6/2-5

Production -

AGR 1/1-4, 4/1-1

DC 1/1-1

Research -

AGR 2/1-1

Reserves -

EC 6/2-1

Stabilization -

AGR 4/1-1

Sub Marginal Land -

DREE 2/1-2

Subsidies -

AGR 4/1-1, DC 1/1

AGRICULTURE:

Census -

EC 6/6-12A, EC 6/2-5, also Appendix A

Development -

DREE 1/1-1

Herbicide spraying -

EC 5/6-2

Soil Capability -

EC 6/4-1, 6/6-1

ATOMIC ENERGY:

Control -

INA 2/1-1

**BIBLIOGRAPHIC:**

Agricultural -	AGR 2/1-1
Energy -	EMR 6/1-1
Environment -	EC 1/4-1, 1/4-2, 7/1-1
	EMR 2/3-1, 4/1-1
Mineral Processing -	EMR 7/2-1
Mineral Technology -	EMR 7/2-2
Mining Geology -	INA 2/1-1
Northern -	INA 4/1-1, 6/2-1
Oil and Gas -	INA 2/3-1
Projects (development) -	INA 5/1-1
Remote Sensing -	EMR 5/1-1
Transportation -	TC 1/1-1

**BIRDS:**

EC 2/(all subsets)

**BIOPHYSICAL:**

EC 3/2-3, 3/2-7, 3/3-1, 5/1-2, 6/6-7,  
6/6-12C, 6/7-2

**BOUNDARY: (areas, grids):**

EC 6/6-12D, 6/6-13  
EMR 1/3-1, 1/4-1

**CADASTRAL:**

EMR 1/1-1  
INA 7/1-1

**CAMPSITES:**

INA 6/1-1

**CANADA LANDS:**

See Federal Property

**CENSUS:**

EC 6/2-5, 6/6-10  
Appendix A - Statistics Canada

**CLIMATE:**

Agrometeorology -	AGR 1/1-3, 3/1-1, 3/1-2, 3/1-3
	EC 4/1-2
Bibliographic -	EC 4/1-4
Climatic Norms -	AGR 3/1-1
	EC 4/1-2
Multi-Use -	EC 4/1-1, 4/1-3
Weather Types -	EC 4/1-3

COAL:

Bibliographic - PCAN 1/1-1  
EMR 7/2-3

COASTAL ZONE:

EC 6/7-2

CONTAMINANTS:

Bibliographic - EC 5/1-1, 5/2-2, 5/3-2  
F&O 1/1-1  
EC 5/3-1, 5/3-3

CONTROL:

Points - EMR 1/3-1  
Vertical/Horizontal - EMR 1/4-1

CROWN LAND:

INA 7/1-1  
NEB 1/1-1

DEMOGRAPHIC:

Northern - INA 4/1-1

DRAINAGE:

EMR 1/6-1

EARTHQUAKE:

EMR 3/2-1, 3/2-2

ECOLOGICAL:

EC 3/4-1, 6/5-1, 6/5-2,  
6/5-3, 6/5-4, 6/6

ECONOMIC:

F&O 1/1-5

ECOSYSTEMS:

Fisheries - F&O 2/1-1

ELEVATION:

COM 1/1-1  
EC 5/1-2  
EMR 1/2-2, 1/6-1

EMERGENCY EQUIPMENT:

Bibliographic - EC 5/2-1

ENERGY:

Atomic - INA 2/1-1  
Bibliographic - EMR 6/1-1, 7/2-3

ENGINEERING:

Oil and Gas - INA 2/2-1

ENVIRONMENTALLY SENSITIVE AREAS:

EC 3/4-2

ENVIRONMENTAL:

Impact - F&O 1/1-4  
INA 1/2-1  
NHB 1/1-1  
Management - INA 1/2-1

FARM REHABILITATION:

DREE 2/1-1, 2/1-2, 2/1-3

FEDERAL PROPERTY:

PWC 1/1-1, 1/1-2  
EC 6/1-1, 6/6-12E  
EMR 1/4-1  
INA 7/1-1

FISH:

Catch/unit effort - F&O 1/1-4, 1/1-5  
Commercial - F&O 1/1-2, 1/1-5  
Ecosystems - F&O 2/1-1  
Habitat - F&O 1/1-3

FOREST FIRE

EC 3/2-2, 2-4, 2-5, 2-6, 4-1  
INA 3/1-3

FORESTS:

Development -	DREE 1/1-1
-	EC 3/all subsets
	EC 6/2-5, 6/6-12F
Indian Reserves -	INA 7/2-1
Inventory -	EC 3/
Management -	INA 3/1-3
Soil Capability -	EC 6/6-2

FRUITLANDS:

EC 6/2-3

GEOCHEMICAL:

Bibliographic -	EMR 2/1-1, 2/1-2, 2/2-1, 4/1-2
	EMR 2/3-1

GEODETTIC:

Bibliographic -	EMR 1/2-1
	EMR 2/3-1

GEOGRAPHICAL NAMES:

EMR 1/1-1

GEOLOGY:

Bibliography -	EMR 2/4-1, 4/1-1, 4/1-2
	INA 2/1-1
	EC 5/1-3
	EMR 2/3-1, 4/1-1
	INA 2/1-1

GEOMAGNETIC:

EMR 3/all subsets

GEOLOGICAL:

Well Data -	INA 2/2-1, 2/2-2
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GEOPHYSICAL:

EC 6/6-12G Inventory - AGR 1/1 EMR 4/1-2

GRAVITY:

EMR 3/3-1

GROUND COVER:

COM 1/1

GLACIATION:

EC 1/3-2

HARBOURS:

F&O 3/1-1  
NHB 1/1-1

HAZARDOUS MATERIALS:

EC 5/1-1, 5/2-2

HOUSING:

H&W 1/1-2  
Appendix "A" - Stats Can.

HUNTING:

INA 6/1-1

HYDROLOGY:

EC 1/all subsets  
F&O 2/1-1

HYDROGRAPHIC:

EC 6/6-12H

HYDROGRAPHY:

EMR 1/6-1

INDIAN RESERVES:

INA 7/1-1

INFRASTRUCUTRE:

Irrigation -

CMHC 1/1  
DREE 2/1-3

INSECTS:

EC 3/1-1, 3/2-2

IRRIGATION:

Infrastructure -

DREE 2/1-1  
DREE 2/1-3

LAND:

Accounting -	INA 2/3-3
Biophysical -	AGR 1/1-3
Claims -	INA 8/1-1
Conversion -	EC 6/4-1
Holding -	DREE 2/1-1, 2/1-2
Leases -	INA 1/1-1, 2/3-3
	NEB 1/1-1
	PCAN 1/1-1
Ownership -	CMHC 1/1 DPW 1/1-1, 1/1-2,
	INA 1/1-1
Registry -	INA 7/1-1
Rights-of-way -	EMR 1/4-1 NEB 1/1-1
Sales Registry -	FCC 1/1-1
Status -	EC 6/7-3
Surrendered -	INA 7/1-1
Transactions -	INA 1/1-1

LAND CAPABILITY:

	EC 6/2-1, 6/2-2, 6/6(all subsets)
Waterfowl -	EC 6/4-1
Ungulate -	EC 6/4-1
Outdoor Recreation -	EC 6/4-1
Forestry -	EC 6/4-1
Agriculture -	EC 6/4-1

LANDFORMS:

Suitability -	EC 6/7-1
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LAND SYSTEMS:

EC 3/2-7

LAND USE:

	EC 6/2-1, 2-4, 5-5, 6-11, 6-12I, 7-3.
	INA 1/2-1
Atlas -	INA 6/1-1
Change -	EC 6/2-4, 2-5, 4-1
Change Detection -	EC 6/5-6
Indian Reserves -	INA 7/2-1
Improvements -	DREE 1/1-2
Inventory -	EC 6/5-6
Northern -	EC 6/3-1
	INA 6/1-1
Oil and Gas -	INA 2/3-3
Planning -	EC 6/6-13
Ports -	NHB 1/1-1
Sections -	EC 6/5-5



LAND/WATER USE:

EC 6/7-2

LEASES:

in perpetuity -

See Land Leases  
NEB 1/1-1

LIMINOLOGY:

(re: resource engineering)

F&O 1/1-4

MAPS: (major collections)

Topographic -  
Northern Land Use -

NL 1/1-1  
EMR 1/5-4, 5-6, 5-7  
EC 6/3-1  
INA 6/1-1

MINERAL RESOURCES:

Bibliographic -

EMR 2/4-1, 4/1-1, 4/1-2  
EMR 2/3-1, 4/1-1, 7/2-1, 7/2-2  
INA 2/1-1

MINE TAILINGS:

EMR 7/1-1

NAVIGABLE WATERS:

NEB 1/1-1

OIL AND GAS:

Land Rights -  
Velocity Analysis -

INA 2/2-1, 2/3-1  
PCAN 1/1-1, 1/1-2  
INA 2/3-3  
INA 2/3-2

PLANNING:

Multi Disciplinary -

F&O 3/1-1  
NHB 1/1-1

POLLUTION:

Bibliographic -

EC 5/3-1, 5/3-2  
EC 5/3-3

RAILWAY:

EMR 1/6-1

RECREATION:

Bibliography - EC 6/6-5  
IT&C 1/1-1

REMOTE SENSING:

Bibliographic - EC 6/5-5, 5-6, 6-12  
EMR 1/5-1, 5-2, 5-3  
EMR 5/1-1

RESOURCE DEVELOPMENT PROJECTS:

INA 5/1-1

RESOURCE PRODUCT DIVERSIFICATION:

DREE 1/1-2

RESOURCE USE:

AGR 1/1-4  
DC 1/1

RIGHTS-OF-WAY:

EMR 1/4-1  
NEB 1/1-1

RIVER:

Ice - EC 1/3-1, 1/3-3

ROADS:

EMR 1/6-1

ROCK STRATA PLANES:

INA 2/3-2

RURAL LAND:

Value - EC 6/4-1  
FCC 1/1-1

SEISMOGRAMS:

EMR 3/2-2, 3/2-3

SALES REGISTRY:

FCC 1/1-1

SILVICULTURE:

EC 3/2-2

SETTLEMENT SUITABILITY:

EC 6/7-1

SHORELINE:

EC 6/6-9

SOILS:

Capability -	EC 6/5-5
Classification -	EC 6/6
Degradation -	AGR 1/1-1
Indian Reserves -	AGR 1/1-2
Mapping -	INA 7/2-1
Moisture -	AGR 1/1-1
Names -	AGR 1/1, 3/1-2
National Parks -	AGR 1/1-5
Productivity -	EC 5/1-2
Settlement Suitability -	AGR 1/1-4
Survey -	EC 6/7-1
	AGR 1/1-1

SOLID WASTE MANAGEMENT:

EC 1/4-4

SPORTFISH:

EC 6/6-6

SEDIMENT:

EMR 2/1-1, 2/2-1

TERRAIN MAPPING:

EC 3/3-1  
EMR 1/6-1

TILL:

EMR 2/1-1

TOURISM:

Bibliographic - ITC 1/1-1

TRANSPORTATION:

Bibliographic - TC 1/1-1  
Infrastructure - NHB 1/1-1

TRAPPING:

INA 6/1-1

TREATIES:

INA 8/1-1

TREE PLANTING:

DREE 2/1-1

URBAN:

Areas - EC 6/6-12K  
Growth - EC 6/4-1  
EC 6/2-2

WATER:

Chemistry - F&O 1/1-4  
Effluent - EC 5/4-1, 5/5-1  
Engineering - EC 1/3-1  
Ice&Snow - EC 1/3 (all subsets)  
Quality - EC 1/2-1, 1/5(all), 5/4-1, 5/4-3, 5/5-2  
Supply - EC 5/4-3  
Use - INA 1/2-1  
Volume - EC 1/1 (all subsets)  
Waste Treatment - EC 5/4-3

WETLANDS:

EC 3/2-3

WILDLIFE:

Waterfowl - EC 2/all, EC 5/1-2  
Ungulates - EC 6/6-4  
EC 6/6-3

WATERSHED BOUNDARIES:

EC 6/6-13

## CANSIS - CANADIAN SOIL INFORMATION SYSTEM ( A MANAGEMENT SYSTEM)

(1) agency name:  Agriculture Canada		(2) date: 1967	(3) periodicity: as information is generated	(4) area: National	(5) file size: approx. 10 distinct but compatible data files within CANSIS
(6) Keywords: (subject and variables)  Soil - all aspects agricultural and engineering. Geophysical Inventories, soil fertility and soil survey research, wildlife and wildlife habitat inventories, NTS sheets, urban fringe studies, parks, area and project - specific data.					
(7) description & features System provides a standardized facility for collecting, inputting and processing data. Programming facilities for particular outputs enhances the scope of management decisions which can be made via CANSIS. Capability for soil characterization and quantification for purposes of correlation, soil resource interpretation and parametric land evaluation. CANSIS contains derivative (single physical factor) as well as interpretive (land use capability from derivative maps) Maps. All mapable data is digitized such that maps may be automatically generated and output by the system.					
(8) geographical identifications					
(9) storage medium: electronic magnetic tape hard disc		hard copy maps/overlays		(10) spatial character:  point, line, areal	
				(11) scale of maps: 1:10,000; 1:5,000,000	
(12) origin of data:  Soil surveys, research projects, fertility trials, special studies, land use surveys			(13) contacts: Dr. Bruce Kloosterman Agriculture Canada Central Experimental Farm KW Neatby Building, Room 303 930 Carling Avenue Ottawa, Ontario (613) 995-2323		

SOIL DATA FILE - DETAIL II - (IN CANSIS)

SOIL DATA FILE - DETAIL II - (IN CANSIS)		
<p>(1) agency name:  Agriculture Canada</p>	<p>(2) date:</p> <p>(3) periodicity: as information becomes available</p> <p>(4) area:</p> <p>(5) file size: 4,239 entries each describing as many as 750 variables</p>	
<p>(6) Keywords: (subject and variables) Soil survey information identification, classification, geographic location, climate, vegetation, site description, interpretations, special notes, morphological description, chemical data, physical data and minerology, historic and current profile data. Canadian System for Soil Classification.</p>		
<p>(7) description &amp; features  National-provincial records of environmental, morphological and chemical variables obtainable from a pedon sampling site.</p>		
<p>(8) geographical identifications</p>		
<p>(9) storage medium: electronic</p>	<p>hard copy  Paper</p>	<p>(10) spatial character:</p>
		<p>(11) scale of maps:</p>
<p>(12) origin of data:</p>	<p>(13) contacts: Dr. Bruce Kloosterman Agriculture Canada Central Experimental Farm KW Neatby Building, Room 3003 930 Carling Avenue Ottawa, Ontario (613) 995-2323</p>	

LAND DEGRADATION FILE - (IN CANSIS)

(1) agency name:  Agriculture Canada		(2) date:	(3) periodicity: As information becomes available
		(4) area:	
		(5) file size:	
(6) Keywords: (subject and variables)			
(7) description & features  National-provincial file collating soil resource deterioration under natural or maninduced conditions. Maps of resource degenration and its causes, case histories, monitoring studies.			
(8) geographical identifications			
(9) storage medium: electronic	hard copy  tables(statistical)	(10) spatial character:	
		(11) scale of maps:	
(12) origin of data:		(13) contacts: Dr. Bruce Kloosterman Agriculture Canada Central Experimental Farm KW Neatby Building, Room 303 930 Carling Avenue Ottawa, Ontario (613) 995-2323	

LAND POTENTIAL DATA BASE - FORMERLY FAO DATA BASE - (IN CANSIS)

<p>(1) agency name: Agriculture Canada</p>		<p>(2) date:</p> <p>(3) periodicity: updated as information becomes available</p> <p>(4) area:</p> <p>(5) file size: one land potential map of Canada 1:5M</p>
<p>(6) Keywords: (subject and variables) Biophysical, Agrometeorological</p>		
<p>(7) description &amp; features Map of Soils of Canada. Canada divided into 755 distinct polygons. 2,008 variables measured for each polygon. System limit is 100 categories per map. Therefore, 21 different maps would be generated to cover all variables considered in this file.</p>		
<p>(8) geographical identifications</p>		
<p>(9) storage medium: electronic</p>	<p>hard copy</p>	<p>(10) spatial character:</p>
		<p>(11) scale of maps:</p>
<p>(12) origin of data:</p>	<p>(13) contacts: Dr. Bruce Kloosterman Agriculture Canada Central Experimental Farm KW Neatby Building, Room 3003 930 Carling Avenue Ottawa, Ontario (613) 995-2323</p>	



PERFORMANCE MANAGEMENT FILE - (IN CANSIS)

(1) agency name:  Agriculture Canada		(2) date:	(3) periodicity:	(4) area: 2,811 entries with as many as 361 variables in each	(5) file size:
(6) Keywords: (subject and variables)					
(7) description & features National-provincial soil productivity data relative to specific crops (agricultural and woodland) and land uses, under specified levels of management. Soil response to forestry, recreation, urbanization, agriculture, etc. Soil resource use, yields and carrying capacities. (Ideally) information should be specific to particular soils or areas to follow for interfacing of this file with the soil data and soil cartographic file.					
(8) geographical identifications					
(9) storage medium: electronic	hard copy		(10) spatial character:		
			(11) scale of maps:		
(12) origin of data:			(13) contacts:  Dr. Bruce Kloosterman Agriculture Canada Central Experimental Farm KW Neatby Building, Room 3003 930 Carling Avenue Ottawa, Ontario (613) 995-2323		

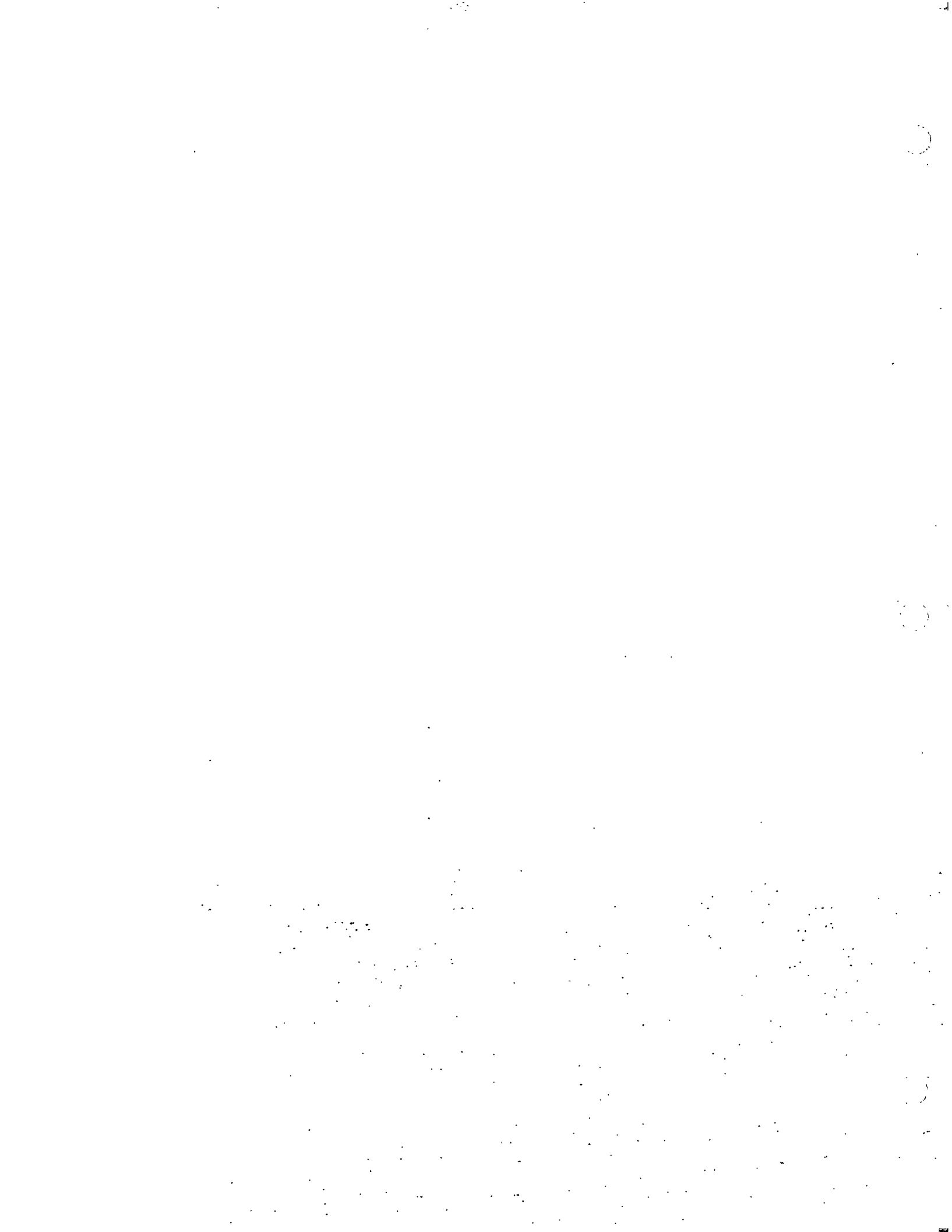
## SOIL NAMES FILE - (IN CANSIS)

(1) agency name: Agriculture Canada		(2) date:	(3) periodicity: as available
		(4) area:	(5) file size: 5,000 entries describing soils in high level
(6) Keywords: (subject and variables)			
(7) description & features Describes soils by name which are used in the Canadian System for Soil Classification, catalogue to information contained in CANSIS on a particular soil. National-provincial file listing all soil names that have been or are being used in Canada, and their appropriate subgroup classifications. Contains soil Correlation Index; Catalogue to information in CANSIS on a particular soil.			
(8) geographical identifications			
(9) storage medium: electronic	hard copy	(10) spatial character:	
		(11) scale of maps:	
(12) origin of data:		(13) contacts: Dr. Bruce Kloosterman Agriculture Canada Central Experimental Farm KW Neatby Building, Room 3003 930 Carling Avenue Ottawa, Ontario (613) 995-2323	

INVENTORY OF CANADIAN AGRICULTURAL RESEARCH

-BIBLIOGRAPHIC AND NUMERIC -

<p>(1) agency name: Canadian Agricultural Research Council (CARC) operationally supported by Research Branch, Agriculture Canada</p>		<p>(2) date: data base in existence since 1975</p> <p>(3) periodicity: updated annually</p> <p>(4) area: Canada</p> <p>(5) file size: 4,250 projects described</p>
<p>(6) Keywords: (subject and variables) ICAR Identifier, establishment code, establishment type, estab, province, estab., project number, start date, language, project title, staff name, staff types, person-years, keycode data, keywords, funding agencies.</p>		
<p>(7) description &amp; features Inventory of agricultural and food related research and development in Canada. Both numeric and bibliographic form; hardcopy version of inventory published approximately once per year.</p>		
<p>(8) geographical identifications</p>		
<p>(9) storage medium: electronic  magnetic tape hard disc</p>	<p>hard copy</p>	<p>(10) spatial character:</p> <hr/> <p>(11) scale of maps: Canada</p>
<p>(12) origin of data: Regional representatives coordinate mailing out, receipt of information on new projects, updates of existing projects for 180 research establishment across Canada, material returned to Research Branch for processing.</p>	<p>(13) contacts: Dr. Robert Trottier, Director Research Program Service Research Branch, Agriculture Canada Room 2125, K.W. Neatby Building Central Experimental Farm Ottawa, Ontario K1A 0C6 (613) 995-5301</p>	



## SQUARE GRID 30 YEAR CLIMATIC NORMALS, GREAT PLAINS

(1) agency name:  Land Resource Research Institute Agrometeorology Section Research Branch Agriculture Canada		(2) date: 1981	(3) periodicity: 1931-70	(4) area: Canadian Great Plains	(5) file size: 18 NTS - 18 computer files per 10km <sup>2</sup> (80 pieces of info)
(6) Keywords: (subject and variables)  1931-1970 Climatic normal					
(7) description & features 1931-70 normals are fitted to the topography of the CGP on 10 km <sup>2</sup> grid. (one value per square) temp & digitating of 1,000,000 scale -					
(8) geographical identifications  NTS					
(9) storage medium: electronic  magnetic tape	hard copy  published report	(10) spatial character:  areal			
		(11) scale of maps:			
(12) origin of data:  AES - Suacanigan - credit		(13) contacts: Dr. W.G. Bailey Agrometeorology Section Land Resource Research Institute Agriculture Canada Building No 74 Central Experimental Farm Ottawa, Ontario K1A 0C6 (613) 995-9039			

AGMET DATA FILES ESTIMATED SOIL MOISTURE UNDER DIFFERENT CONDITIONS - CROPLAND  
EVALUATION, SASKATCHEWAN

## (1) agency name:

Land Resource Research Institute  
Agrometeorology Section  
Research Branch  
Agriculture Canada

(2) date: 1977

(3) periodicity:

(4) area: Saskatchewan

(5) file size:

## (6) Keywords: (subject and variables)

Soil moisture - soil moisture for dry land, aridity indices (30 year averages);  
4 soils, 6 layers, 5 crop stages, irrigator crop - 4 soils etc. for perennial  
crop

## (7) description &amp; features

Enables estimates of soil moisture under various conditions and also the  
irrigation requirements of specific climate, vegetation, soil relationships.

## (8) geographical identifications

## (9) storage medium:

electronic

magnetic tape

hard copy

## (10) spatial character:

(11) scale of maps:

## (12) origin of data:

## (13) contacts:

Mr. J. Shields  
Agriculture Canada  
Agrometeorological Section  
Central Experimental Farm  
Phone: 995-9039

## AGMET, AGNET

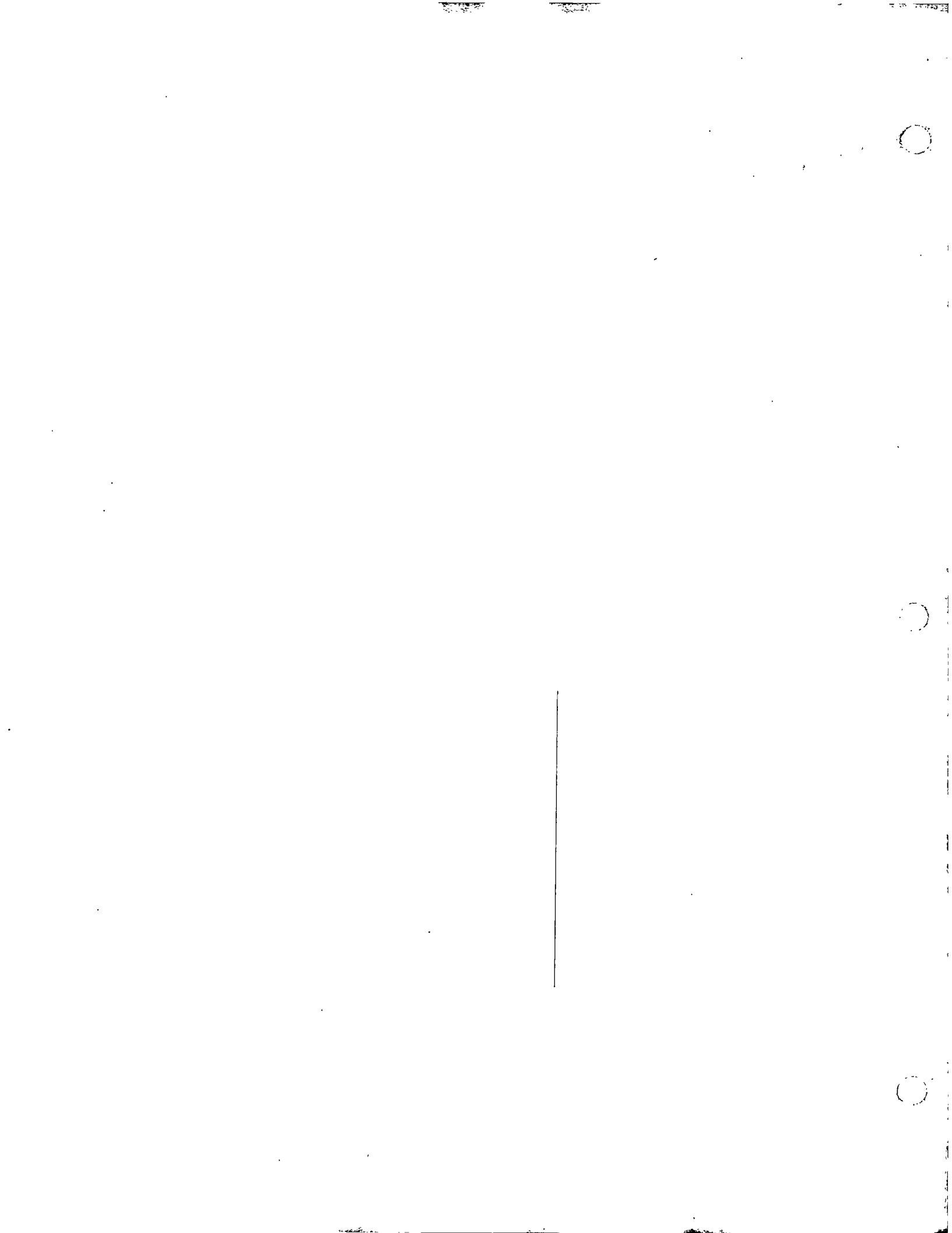
(1) agency name: Land Resource Research Institute Agrometeorology Section Agriculture Canada		(2) date: 1964	(3) periodicity:
		(4) area: Canada	(5) file size: 300 + stations
(6) Keywords: (subject and variables)  Agro-Climatic data maximum and minimum temps., rain snow, total precipitation, snow on ground (when avail) p.e.			
(7) description & features  Contains quality controlled daily parameters (above) D.C. is established derived, basic. Baian-Robertson formulae. Covers all of Canada, current heavy density, Sask., Alberta. Ontario, expanding in Manitoba and other provinces.			
(8) geographical identifications  P. stn. No. 1d. (AES No.)			
(9) storage medium: electronic magnetic tape	hard copy	(10) spatial character:  point	(11) scale of maps: N/A
(12) origin of data:  AES		(13) contacts:  Mr. Dennis Chaput AGMET Bldg 74 Central Experimental Farm Ottawa, Ontario K1A 0C6 995-9039	





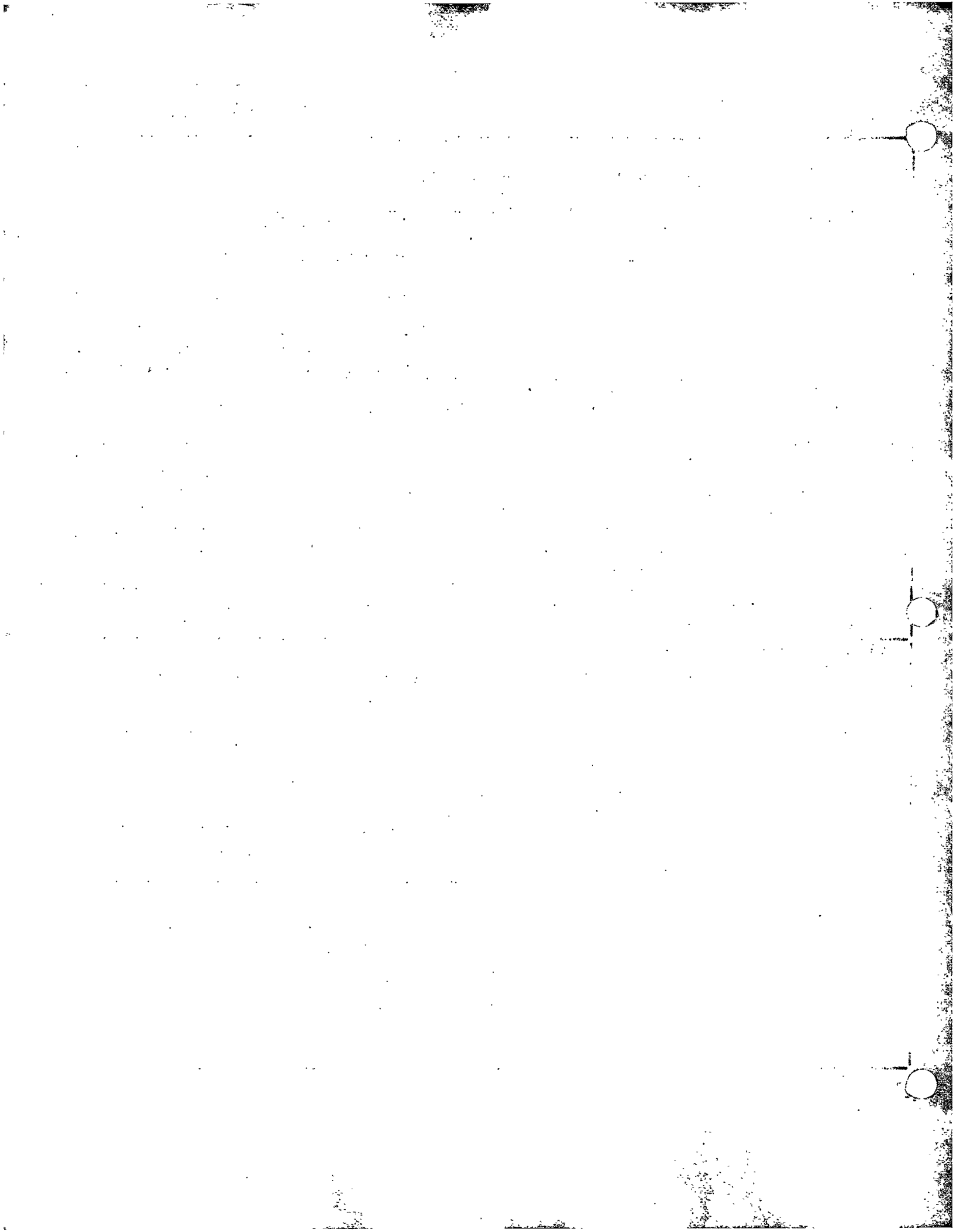
## ASB PRODUCER FILES

(1) agency name:  Agriculture Stabilization Board Agriculture Canada		(2) date: 1974	(3) periodicity: on-going	(4) area: all-provinces	(5) file size: 200,000 entries (files retained for 5 years only)
(6) Keywords: (subject and variables) Agricultural Production - Producer I.D., land location, production statistics (by commodity) production claimed for subsidies, payments made to producers and documents supporting production and sales. Production problems and standard costs of production.					
(7) description & features This file records the payment of subsidies paid to agricultural producers. It is organized by commodity. It does not contain a full production record by farmers, by commodity, as only the information provided by farmers when applying for subsidies, is included. The system is not fully automated. Due to confidentiality requirements <u>access to data is limited</u> and requires the permission of the Stabilization Board Chairman. Times series comparisons are limited to 5 years preceeding current year. A Aggregated outputs are possible.					
(8) geographical identifications  Lots, concession, township, county (Maritimes; land parcel number).					
(9) storage medium: electronic  magnetic tape		hard copy  files	(10) spatial character:  point		
(11) scale of maps:					
(12) origin of data:  Individual producers			(13) contacts:  Mr. A. Gratton Agricultural Stabilization Board 930 Carling Avenue Sir John Carling Building Ottawa, Ontario K1A 0C5 (819) 994-1610		



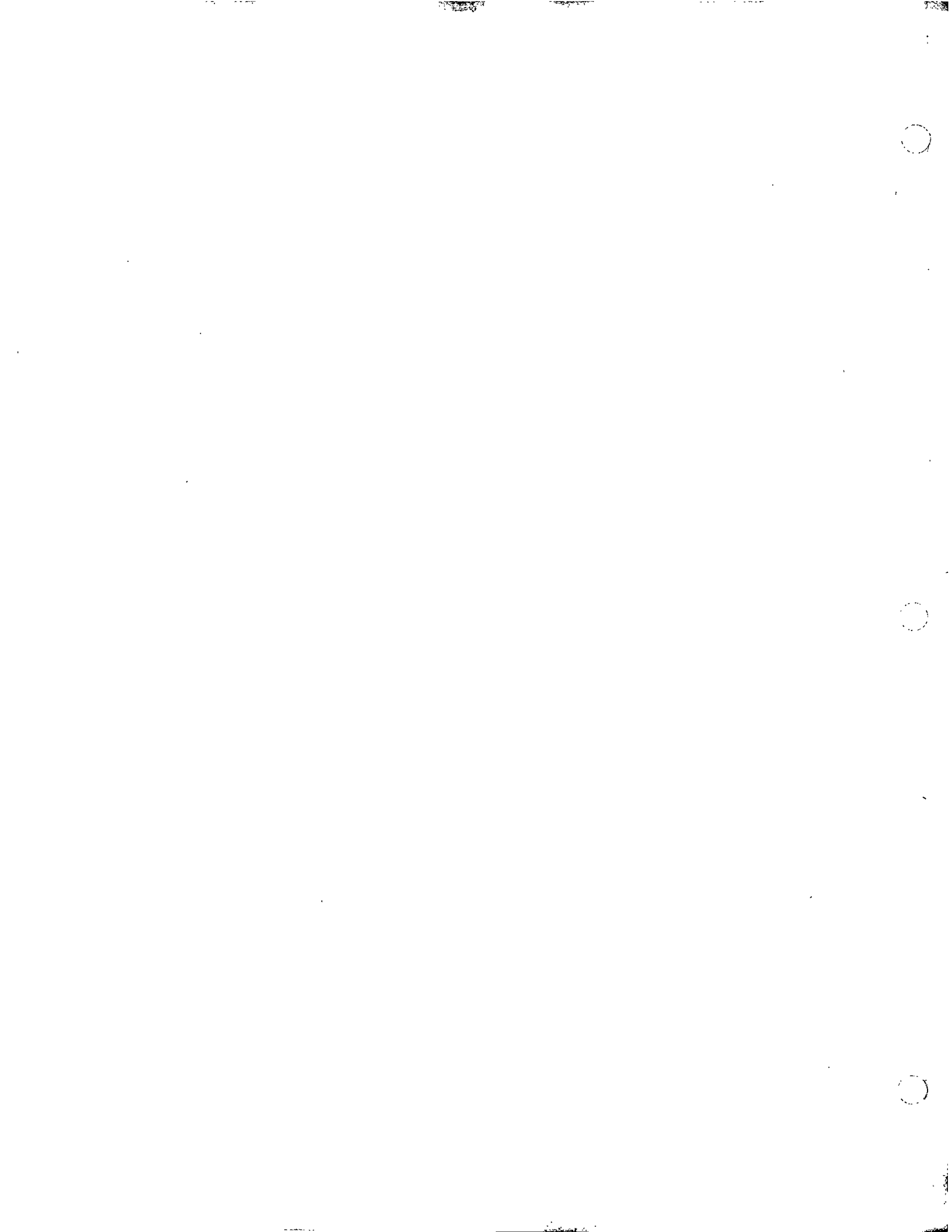
LAND AND INFRASTRUCTURE MAPPING PROGRAM

(1) agency name:  Canada Mortgage and Housing Corporation		(2) date: June 1977	(3) periodicity: Annual	(4) area: 28 Urban Areas	(5) file size: Inventory has 15 000 parcels and 380 000 hectares. Annual reports published for each area.
(6) Keywords: (subject and variables) Residential land supply, Land demand, Land ownership, Infrastructure (water and sewer), Subdivisions, Urban growth areas, Land mapping.					
(7) description & features Mapping Program is an annual monitoring of residential land supply and demand situation in suburban areas of 28 major Canadian urban centres. Each study describes subdivision activity, designated growth areas, land ownership, and location and capacity of existing/proposed sewers and water mains. Estimates of residential land requirements and amount of land potentially available for building within several time periods are developed. Reports also include tables indicating servicing and planning characteristics in potential development areas, with municipal and sectoral sub-totals. A colour map which graphically depicts data is included with each report.					
(8) geographical identifications  Tabular data is parcel specific and cross-referenced to NTS base maps on which land parcels, piped service alignments, etc. are depicted as overlays.					
(9) storage medium: electronic	hard copy Publications include: - tables - colour map		(10) spatial character:  Areal	(11) scale of maps: 1:25 000 or 1:50 000	
(12) origin of data: Data collected from municipal and provincial departments/agencies by local CMHC analysts and external contractors.		(13) contacts: Peter Spurr or Brian Gosselin Market Forecasts and Analysis Division Canada Mortgage and Housing Corporation Room 601 National Office Montreal Road Ottawa, Ontario. K1A 0P7 (613) 748-2658			



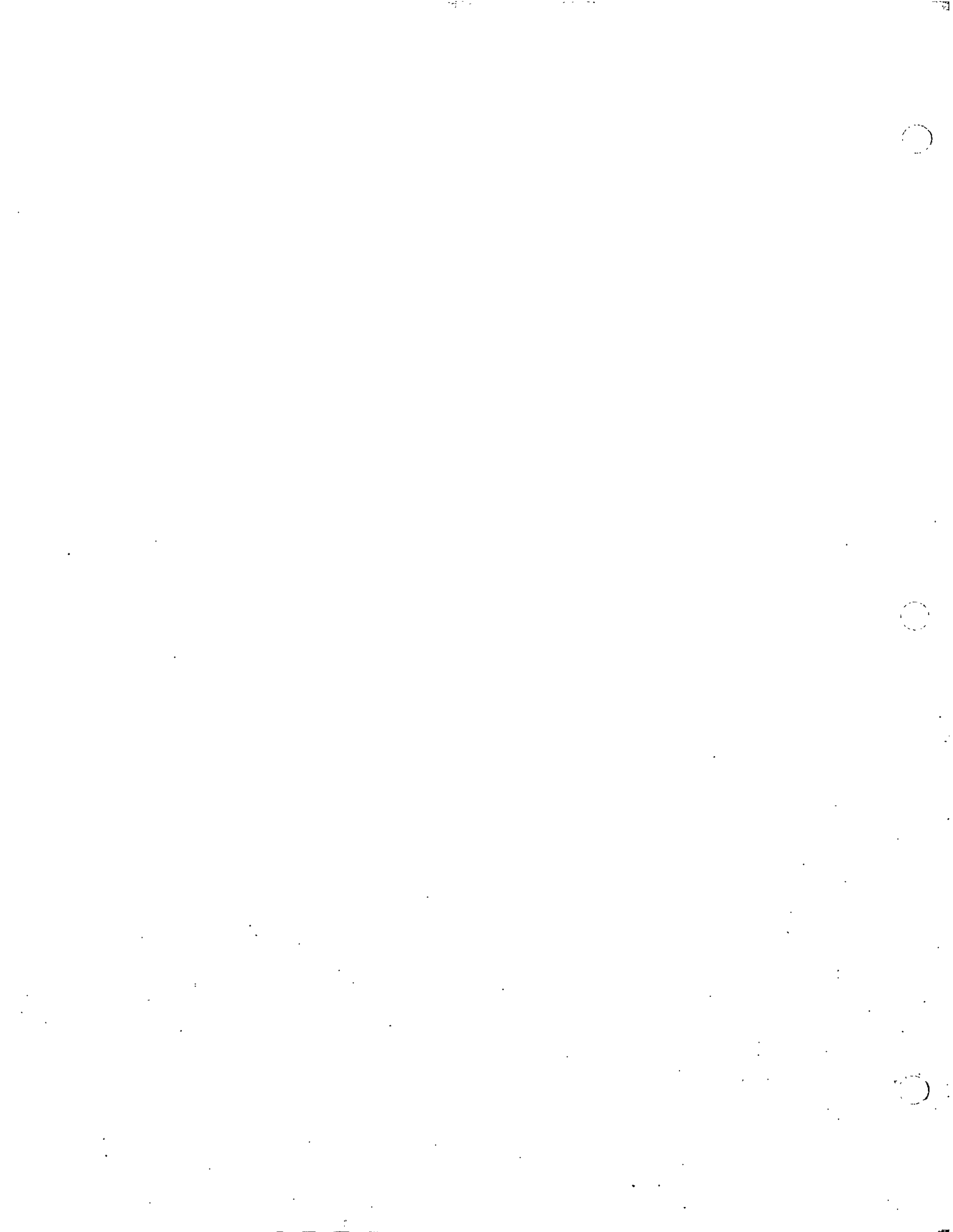
## MILK PRODUCERS' RECORDS

(1) agency name: Canadian Dairy Commission Subsidy Operations		(2) date: 1977	(3) periodicity:
		(4) area: Canada	(5) file size: 70,000 entries
(6) Keywords: (subject and variables)  Milk production: files record shipments, subsidy payments and farmland location includes memoranda, financial reports, production data, production quota and amount of subsidy paid.			
(7) description & features  Master file record of milk subsidy related information for period 1977 to present.			
(8) geographical identifications Western provinces: section, range, township, meridian Ontario: lot number and concession Quebec: lot number and range			
(9) storage medium: electronic	hard copy farm land location; microfiche - shipments and subsidy payments	(10) spatial character:  point	(11) scale of maps:
(12) origin of data:  From producers themselves		(13) contacts:  Mr. R.J. Labossière Subsidy Operations Canadian Dairy Commission 2197 Riverside Drive Ottawa, Ontario K1A 0Z2 (613) 998-9490	



## ELEVATION DATA BASE

(1) agency name: Department of Communications Communications Research Centre		(2) date: 1979	(3) periodicity: annual
		(4) area: Ontario (also currently working on Maritime provinces)	(5) file size: 5,000 records
(6) Keywords: (subject and variables) Elevation, ground cover			
(7) description & features Computer data base for VHF-UHF frequency radio wave propagation prediction. Elevations on square grid with 500 m. spacing. Primary output; elevations. Secondary output; ground cover. Codes for: trees, swamp, open, suburban, urban, fresh-salt water.			
(8) geographical identifications UTM grid co-ordinates			
(9) storage medium: electronic  magnetic tape hard disc	hard copy		(10) spatial character:  point
		(11) scale of maps:	
(12) origin of data:  1:50,000 topographic map series		(13) contacts:  Dr. Jim Whittaker Department of Communications Communications Research Centre Box 11490 Station H Ottawa, Ontario K2H 8S2 (613) 596-9501	





DATA BANK NO. 20005 (GENERAL DEVELOPMENT AGREEMENTS, SUBSIDIARY AGREEMENTS,  
AND RELATED INITIATIVES)

(1) agency name:  Department of Regional and Economic Expansion		(2) date:	(3) periodicity:	(4) area: All provinces except PEI	(5) file size:
(6) Keywords: (subject and variables)  Forestry, Agriculture, Northlands, Highways applications, correspondence, memoranda, personal background and history, financial, employment, demographic and educational data, and analytical and economic reports.					
(7) description & features The purpose of data bank is to collect data needed for the administratin of Subsidiary Agreements entered into with each province, consistent with the terms and conditions of General Development Agreements which establish the framework for development, as oppourtunities are identified individual subsidiary agreements are formulated; normally unique to each province. Examples are Forestry, Agricultural Development, Northlands Development, Highways, etc. Records, as they related to corporations are inaccessible. Individuals should provide name, address, phone number and the name of project or program.					
(8) geographical identifications					
(9) storage medium: electronic	hard copy  report and various other		(10) spatial character: semi-spatial, point, areal	(11) scale of maps:	
(12) origin of data:			(13) contacts:  Director General of appropriate regional access point  (See following list)		

## DATA BANK NO. 20010 (OTHER FEDERAL-PROVINCIAL PROGRAMS AND AGREEMENTS)

<b>(1) agency name:</b> Department of Regional Economic Expansion		<b>(2) date:</b>	<b>(3) periodicity:</b>	<b>(4) area:</b>	<b>(5) file size:</b>
<b>(6) Keywords: (subject and variables)</b> Land Use Improvements, Resource-Product Diversification, applications, correspondence, memoranda, personal background and history, and financial, employment, demographic, socio-economic and educational data.					
<b>(7) description &amp; features</b> Includes data collected for the administration of ARDA's Farm Consolidation, Land Use Improvements, and Resource and Product Diversification programs; Special ARDA; Fund or Rural Economic Development Act Agreements. Under the Human Rights Act, records as they related to corporations are inaccessible. Individuals should provide name, address, phone number and the name of program concerned together with name of specific project.					
<b>(8) geographical identifications</b>					
<b>(9) storage medium:</b> electronic	hard copy		<b>(10) spatial character:</b> point, areal		
		<b>(11) scale of maps:</b>			
<b>(12) origin of data:</b>		<b>(13) contacts:</b> Director General of appropriate regional access point  (See list on next page)			

DEPARTMENT OF REGIONAL ECONOMIC EXPANSION  
REGIONAL ACCESS POINTS

Ashley Building  
Peet Street  
St. John's, Newfoundland  
A1B 3R9

Centennial Building  
1660 Hollis Street  
4th Floor  
Halifax, Nova Scotia  
B3J 1V7

Dominion Building  
97 Queen Street  
Charlottetown, P.E.I.  
C1A 7M8

Armstrong Building  
590 Brunswick Street  
Fredericton, N.B.  
E3B 5A6

Claridge Building  
220 Grande Allée E.  
Suite 820  
Québec City, Québec  
G1R 2J1

Court Holding Building  
233 Court St., South  
Thunder Bay, Ontario  
P7B 2X9

400-3 Lakeview Building  
185 Carlton Street  
Winnipeg, Manitoba  
R3C 2V2

204 Towne Square Building  
1919 Rose Street  
Regina, Saskatchewan  
S4P 3P1

Financial Building  
10621-100th Ave.  
8th Floor  
Edmonton, Alberta  
T5J 0B3

Bank of Commerce Building  
1175 Douglas Street  
Room 516  
Victoria, British Columbia  
V8W 2E1

Bessborough Tower  
601 Spadina Crescent E.  
Room 814  
Saskatoon, Saskatchewan  
S7K 3G8



DATA BANK NO. 20015 (PRAIRIE FARM REHABILITATION ACT WATER DEVELOPMENT SERVICE)

(1) agency name: Prairie Farm Rehabilitation Department of Regional Economic Expansion		(2) date:	(3) periodicity:	(4) area: Manitoba, Saskatchewan, Alberta	(5) file size:
(6) Keywords: (subject and variables) Irrigation, Tree Planting, applications, correspondence and memoranda, claims, technical, financial, design, research, maintenance, production and distribution data and records of land and cattle holdings.					
(7) description & features The purpose of this bank is to collect data needed for the administration of the Water Development Service of the PFRA organization, which provides technical and financial assistance for the development of water and land resources, operates irrigation projects, produces and distributes tree seedlings and cuttings to farmers and government agencies as well as maintenance and project construction services. Files are used to determine eligibility for benefit, to administer programs including land acquisition, project licensing, tree distribution, and collection of monies owed and to audit and evaluate. Records, as they relate to corporations are inaccessible.					
(8) geographical identifications					
(9) storage medium: electronic	hard copy		(10) spatial character: point, areal		
		(11) scale of maps:			
(12) origin of data:		(13) contacts: Director Prairie Farm Rehabilitation Administration 401 Motherwell Building 1901 Victoria Street Regina, Saskatchewan S4P 0R5			

DATA BANK NO. 20020 (PRAIRIE FARM REHABILITATION ACT LAND USE SERVICE)

(1) agency name: Prairie Farm Rehabilitation Department of Regional Economic Expansion		(2) date:	(3) periodicity:	(4) area: Manitoba, Saskatchewan, Alberta	(5) file size:
(6) Keywords: (subject and variables) Sub-marginal land, pastures. Applications, correspondence and memoranda, contracts, financial, design, maintenance, and commercial data and land and cattle holdings.					
(7) description & features Data is collected for administration of the Land Use Service operated by the PFRA organization to facilitate the conversion of sub-marginal land into pasture and other pasture development activities. The program is responsible for all aspects of community pasture operations, maintenance and improvements. Under the Human Rights Act, records as they related to corporations are inaccessible.					
(8) geographical identifications					
(9) storage medium: electronic	hard copy		(10) spatial character: point, areal		
		(11) scale of maps:			
(12) origin of data:		(13) contacts: Director Prairie Farm Rehabilitation Administration 401 Motherwell Building 1901 Victoria Street Regina, Saskatchewan S4P 0R5			

DATA BANK NO. 20025 (PRAIRIE FARM REHABILITATION ACT ENGINEERING SERVICE)

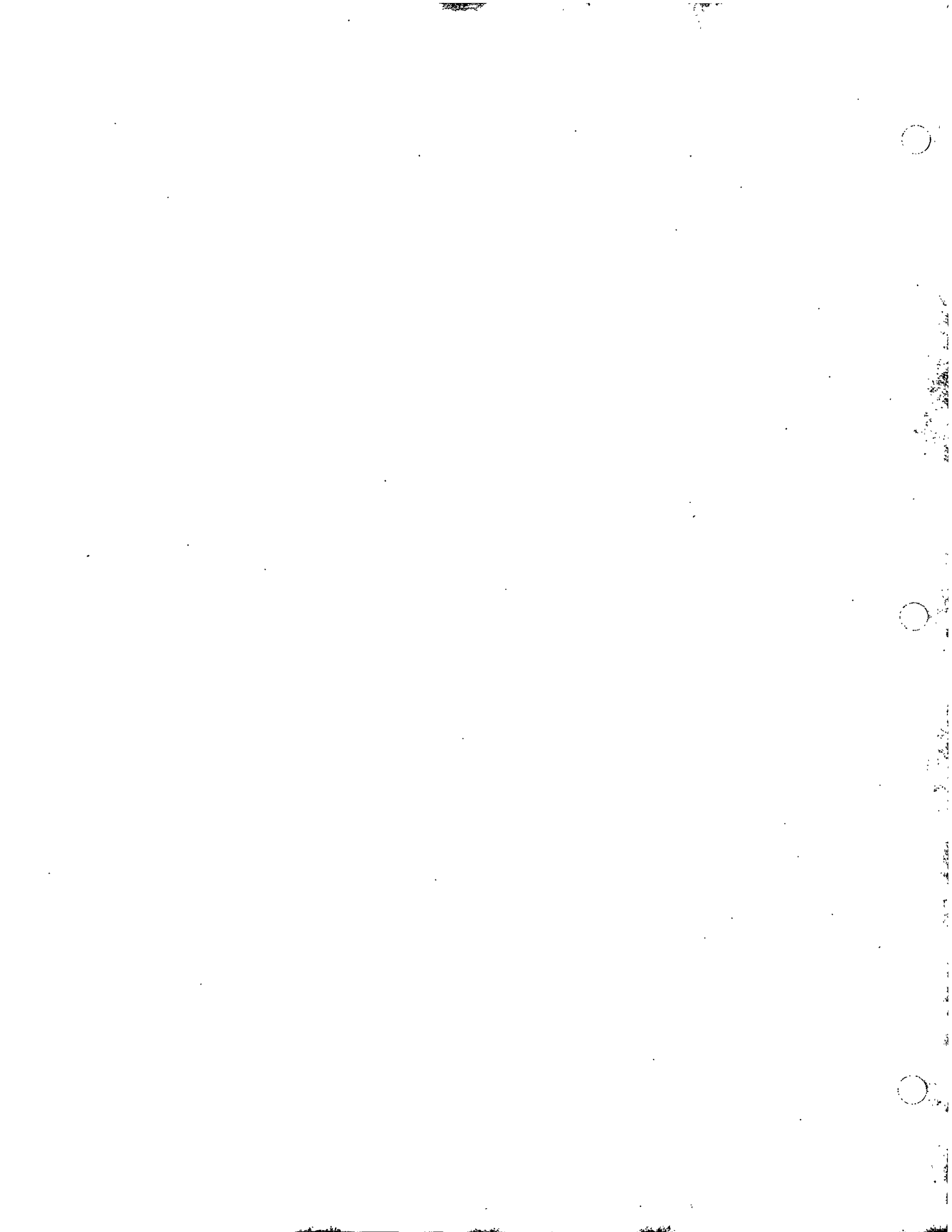
(1) agency name: Prairie Farm Rehabilitation Department of Regional Economic Expansion		(2) date:	(3) periodicity:	(4) area: Manitoba, Saskatchewan, Alberta	(5) file size:
(6) Keywords: (subject and variables) Water development, Irrigation and Community Infrastructure contracts, correspondence and memoranda and technical, financial and design data.					
(7) description & features Data is collected for administration of Engineering Service operated by PFRA organization to investigate, plan, design, construct and maintain various water development, irrigation and community infrastructure programs. Under Human Rights Act, records as they relate to corporations are inaccessible. Individuals should provide name, address, phone number, together with a brief statement of the specific area of their involvement with the PFRA Engineering Service.					
(8) geographical identifications					
(9) storage medium: electronic	hard copy		(10) spatial character: point, areal		
		(11) scale of maps:			
(12) origin of data:		(13) contacts: Director Prairie Farm Rehabilitation Administration 401 Motherwell Building 1901 Victoria Street Regina, Saskatchewan S4P 0R5			





## NATIONAL TOPONYMIC DATA BASE

<b>(1) agency name:</b> Geographical Services Directorate Survey and Mapping Branch Energy Mines & Resources		<b>(2) date:</b> initiated Nov. 1979 proj. compl. date: Sept 30, 1982	<b>(3) periodicity:</b> to be updated daily
		<b>(4) area:</b> Canada	<b>(5) file size:</b> 400,000 features once system completed (currently $\frac{1}{2}$ complete)
<b>(6) Keywords: (subject and variables)</b> Canadian geographical names - location of feature (munic., county), cadastral information, geog, coordinates, approval data of name by member of Permanent Committee on Geog. Names, name origin, map sheet number on which documentation for approval of name located.			
<b>(7) description &amp; features</b>  Automated system of Canadian geographic names - historic, current, approved, not approved - status of name on file A (1-9), B(1-9), C(1-9).			
<b>(8) geographical identifications</b>			
<b>(9) storage medium:</b> electronic	hard copy	<b>(10) spatial character:</b>	
		<b>(11) scale of maps:</b>	
<b>(12) origin of data:</b>		<b>(13) contacts:</b> Mr. Michael Munro Topographical Survey Division Surveys and Mapping Branch Room 650 615 Booth Street Ottawa, Ontario K1A 0E9 992-3647	



## FILE SUPPLEMENTARY TO NATIONAL GEODETIC DATA BASE

(1) agency name: Geodetic Survey Division Surveys and Mapping Branch Energy Mines and Resources		(2) date: currently being developed	(3) periodicity: to be dev. in 2 yr.	(4) area: Canada	(5) file size: 250,000 observations
(6) Keywords: (subject and variables) position, elevation					
(7) description & features Observations at present partially digitized--stored currently in temporary files 30% of Canadian land mass digitized (mostly position records, not elevations)					
(8) geographical identifications Measurements between geodetic markers					
(9) storage medium: electronic  magnetic tape		hard copy		(10) spatial character:	
				(11) scale of maps:	
(12) origin of data:			(13) contacts: Mr. C.D. McLelland Geodasy Group Geodetic Surveys Room 430 615 Booth Street Ottawa, Ontario K1A 0E9 995-0207		

NATIONAL GEODETIC DATA BASE

(1) agency name:

Geodetic Survey Division  
 Surveys and Mapping Branch  
 Energy Mines and Resources

(2) date: originated 1971

(3) periodicity: updated weekly

(4) area: Canada

(5) file size: 150,000 points-  
 actual physical markers on the ground

(6) Keywords: (subject and variables)

Position, elevation

(7) description & features

Used as control for mapping and other surveys

(8) geographical identifications

Geodetic positions and elevations

(9) storage medium:  
 electronic

magnetic tape  
 floppy disc

hard copy

(10) spatial character:

(11) scale of maps:

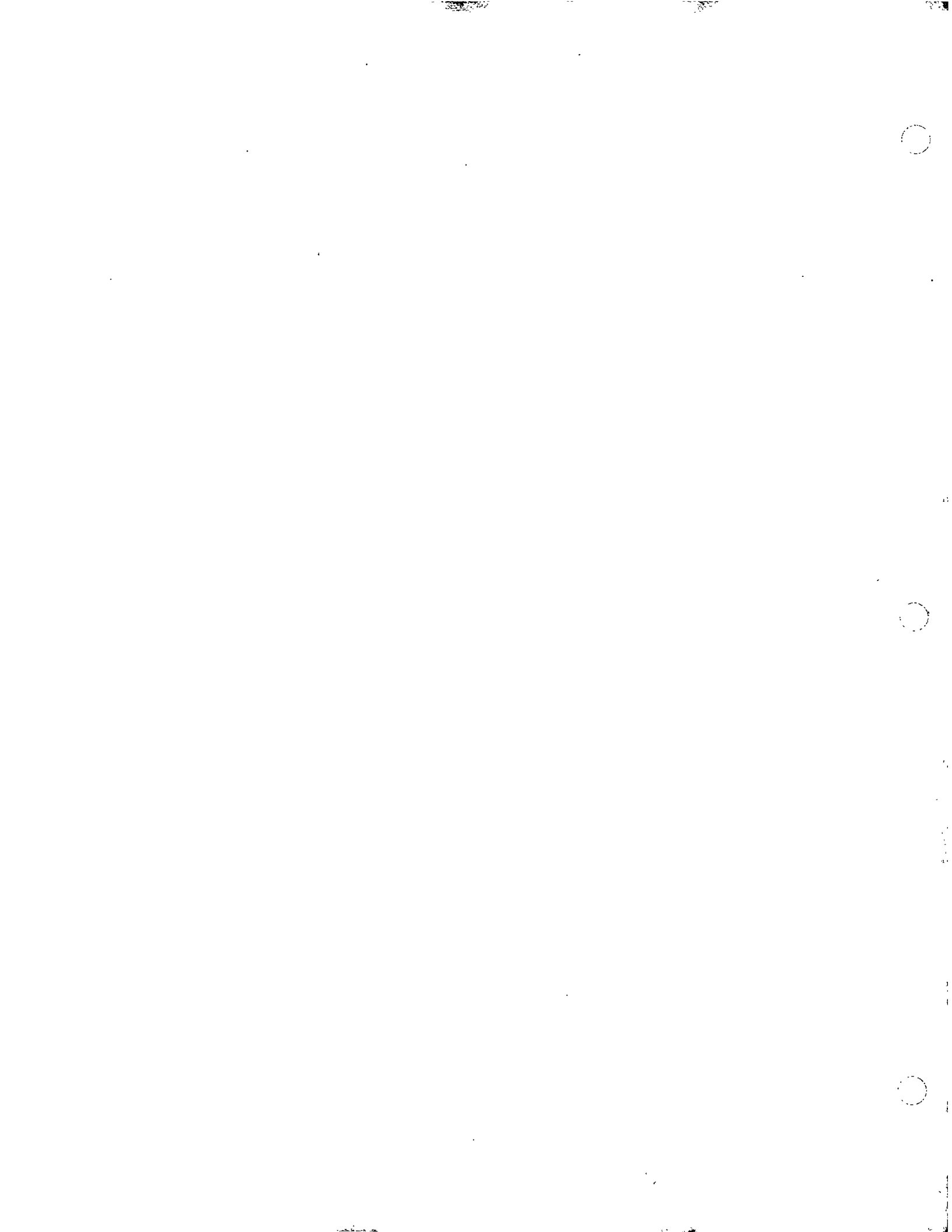
(12) origin of data:

(13) contacts:

Mr. C.D. McLelland  
 Geodasy Group  
 Geodetic Surveys  
 Room 430  
 615 Booth Street  
 Ottawa, Ontario  
 K1A 0E9 995-0207

## INTERNATIONAL BOUNDARY COMMISSION (IBC) DATA BANK

(1) agency name:  International Boundary Commission Surveys and Mapping Branch Energy Mines and Resources		(2) date: initiated 1980	(3) periodicity: projected com. 1982	(4) area: Canada - U.S. boundaries	(5) file size: 2,000 points present, 25,000 when complete
(6) Keywords: (subject and variables)  Control points (survey), boundary points, lats/longs, elevations, date of establishment, inspection status, improvements, description.					
(7) description & features Files contain IBC information on U.S. - Canada boundaries, records to be used and maintained jointly with U.S. Section; data bank currently $\frac{1}{4}$ complete, anticipate completion by 1982 with major update 1984; system contains appendix with survey records including distance/direction/position/azimuth/observations.					
(8) geographical identifications  Canada - U.S. boundaries					
(9) storage medium: electronic private PDT II micro processor		hard copy		(10) spatial character:	
				(11) scale of maps:	
(12) origin of data:			(13) contacts: Carl Gustafson International Boundary Commission Surveys & Mapping Branch 615 Booth Street Ottawa, Ontario K1A 0E9 995-6611		



## CANADA LANDS SURVEYS RECORDS (CLSR)

(1) agency name:  Legal Surveys Division Surveys and Mapping Branch Energy Mines and Resources		(2) date: 1840 to 1981	(3) periodicity: continual updating
		(4) area: Canada	(5) file size: 35,000 plans, 10,000 field books
(6) Keywords: (subject and variables)  Boundary, parcel identification, subdivision, rights-of-way, control (vertical/horizontal)			
(7) description & features All Crown Canada lands administered by Dept. of Indian and Northern Affairs (Indian reserves and settlements in the provinces; all Crown Canada lands in the Yukon and N.W.T.), National Parks, all off-shore surveys (oil and gas), federal canals, ordinance lands all National Parks and historic sites.			
(8) geographical identifications  Legal Surveys			
(9) storage medium: electronic all originals stored plus microfilm	hard copy		(10) spatial character:
		(11) scale of maps:	
(12) origin of data: nine regional offices of Division	(13) contacts: Mr. Newman/Mr. R.O. Semper Canada Lands Survey Records Legal Survey's Division Surveys and Mapping Branch, EMR 615 Booth Street Ottawa, Ontario 995-4481		





GENERAL COVERAGE CATALOGUE SYSTEM

<p>(1) agency name:  (National Air Photo Library) Reproduction &amp; Distribution Division Surveys and Mapping Branch Energy Mines and Resources</p>		<p>(2) date: 1948 to present</p>	<p>(3) periodicity:</p>
		<p>(4) area: Canada</p>	<p>(5) file size:</p>
<p>(6) Keywords: (subject and variables) Federal aerial photography</p>			
<p>(7) description &amp; features System is divided into three segments: 1. A series of General System Coverage Catalogues, containing information on the photo coverage available from NAPL; 2. 35 mm colour positive reproductions of NAPL index maps, six to eight index maps per micro jacket; 3. 16 mm microfilm cartridges of aerial photography each cartridge containing up to 2,400 images.</p>			
<p>(8) geographical identifications</p>			
<p>(9) storage medium: electronic</p>	<p>hard copy</p>	<p>(10) spatial character:</p>	
<p>microfilms microfiche</p>		<p>(11) scale of maps:</p>	
<p>(12) origin of data:</p>		<p>(13) contacts:  Dianne Rombough National Air Photo Library 615 Booth Street Room 180 Ottawa, Ontario K1A 0E9 995-4560</p>	

GENERAL COVERAGE CATALOGUE SYSTEM

(1) agency name:

(National Air Photo Library)  
 Reproduction & Distribution Division  
 Surveys and Mapping Branch  
 Energy Mines and Resources

(2) date: 1st edition 1974

(3) periodicity: updated annually

(4) area: Canada

(5) file size: 9 catalogues

(6) Keywords: (subject and variables)

Aerial photograph index - imagery, scale, flight data

(7) description & features

Record of aerial photographs stored by National Air Photo Library; "Federal Aerial Photography Catalogue for..." Nfld. & Labrador, Quebec, Maritimes, Ontario, Manitoba, Sask., Alta., Yukon, B.C., & N.W.T."

(8) geographical identifications

(9) storage medium:  
 electronic

book format

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts: may be ordered from:

Diane Rombough  
 National Air Photo Library  
 615 Booth Street  
 Ottawa, Ontario  
 K1A 0E9  
 995-4560

## FEDERAL AERIAL PHOTOGRAPHY AIRBORNE REMOTE SENSING CATALOGUE

(1) agency name: (National Air Photo Library) Reproduction & Distribution Division Surveys and Mapping Branch Energy Mines and Resources		(2) date: 1st edition 1974	(3) periodicity: updated annually	(4) area: Canada	(5) file size: 1 catalogue
(6) Keywords: (subject and variables) Imagery, scale, flight data					
(7) description & features Record of remote sensing imagery available at National Air Photo Library					
(8) geographical identifications Remote sensing imagery					
(9) storage medium: electronic book format		hard copy		(10) spatial character:	
				(11) scale of maps:	
(12) origin of data:			(13) contacts: Diane Rombough National Air Photo Library 615 Booth Street Ottawa, Ontario K1A 0E9 995-4560		

## INVENTORY OF THE CANADA MAP OFFICE

## (1) agency name:

(Canada Map Office)  
 Reproduction and Distribution Division  
 Surveys and Mapping Branch  
 Energy Mines and Resources

(2) date: 1977 (1st edition)

(3) periodicity: every twenty days

(4) area: Canada

(5) file size: two microfiche  
reference sheets

## (6) Keywords: (subject and variables)

Listing of all maps, charts and publications of the Canada Map Office

## (7) description &amp; features

Microfiche of Canada Map Inventory listed in alphabetic and numeric progression

## (8) geographical identifications

National Topographic System

(9) storage medium:  
electronic

hard copy  
microfiche

(10) spatial character:

(11) scale of maps:

## (12) origin of data:

Canada Map Office  
 Reproduction and Distribution  
 Division  
 EMR

## (13) contacts:

Mr. Peter Andrews  
 Canada Map Office  
 Surveys and Mapping Branch  
 130 Bentley Avenue  
 Ottawa, Ontario K1A 0E9  
 (613) 998-3865, 998-9900

## CURRENT CANADIAN AERONAUTICAL CHARTS

(1) agency name:  (Canada Map Office) Reproduction and Distribution Division Surveys and Mapping Branch Energy Mines and Resources		(2) date: unknown	(3) periodicity: monthly	(4) area: Canada	(5) file size: 1 sheet
(6) Keywords: (subject and variables)  Availability of Canadian aeronautical charts					
(7) description & features  Series may be ordered free of charge from Canada Map Office					
(8) geographical identifications  NTS number or chart name.					
(9) storage medium: electronic	hard copy  hard copy	(10) spatial character:			
		(11) scale of maps:			
(12) origin of data:  Aeronautical Charts Division, EMR		(13) contacts:  Mr. Peter Andrews Canada Map Office Surveys and Mapping Branch 130 Bentley Avenue Ottawa, Ontario K1A 0E9 (613) 998-3865, 998-9900			

## NEW AND REVISED MAP LIST

(1) agency name:  (Canada Map Office) Reproduction and Distribution Division Surveys and Mapping Branch Energy Mines and Resources		(2) date: unknown	(3) periodicity: one per month	(4) area: Canada	(5) file size: one-half to five pages
(6) Keywords: (subject and variables)  List of all new or revised topographic or geographic maps received at the Canada Map Office.					
(7) description & features  May be ordered free of charge from the Canada Map Office					
(8) geographical identifications					
(9) storage medium: electronic	hard copy  hard copy	(10) spatial character:			
		(11) scale of maps:			
(12) origin of data:  Canada Map Office Reproduction and Distribution Division EMR		(13) contacts:  Mr. Peter Andrews Canada Map Office Surveys and Mapping Branch 130 Bentley Avenue Ottawa, Ontario K1A 0E9 (613) 998-3865, 998-9900			

## INDEX ONE, INDEX TWO, INDEX THREE

(1) agency name:  (Canada Map Office) Reproduction and Distribution Division Surveys and Mapping Branch Energy Mines and Resources		(2) date: 1st edition 1977	(3) periodicity: updated 1979 and 1981	(4) area: Canada	(5) file size: 3 volumes
(6) Keywords: (subject and variables) Index of Canadian topographic maps - all scales					
(7) description & features  Series may be ordered free of charge from Canada Map Office. Index 1 - MCR 2035 (E. Canada); Index 2 - MCR 2036 (W. Canada); Index 3 - MCR 2037 (N. Canada)					
(8) geographical identifications					
(9) storage medium: electronic  book format		hard copy		(10) spatial character:	
				(11) scale of maps:	
(12) origin of data: Topog. Survey Division Reproduc. & Distribution Div. EMR			(13) contacts:  Mr. Peter Andrews Canada Map Office Surveys and Mapping Branch 130 Bentley Avenue Ottawa, Ontario K1A 0E9 998-3865		





## NATIONAL DIGITAL TOPOGRAPHIC DATA BASE

(1) agency name: Topographical Survey Division Surveys and Mapping Branch Energy Mines and Resources		(2) date: currently in production	(3) periodicity: continually updated	(4) area: Nationwide	(5) file size: 50 or 60 maps current approx. 75 maps/yr.
(6) Keywords: (subject and variables) Hypsography, contours, elevations, hydrography, drainage systems, vegetation, cultural information, roads, railways, buildings. etc.					
(7) description & features Developing National Digital Topographic Data Base*. base on 1:50,000 scale. Also dev. Digital Model elev. base; in add. to contours a 10m, grid of elev. (raster instead of vector form). In assoc. with system devel. Standardized Cartographic Spec's for federal-provincial data exchange. All prov. mapping agencies and groups rep. * Currently covers small % of Canadian land mass: part of N.B., S. Ont. & Arctic					
(8) geographical identifications Topographic Maps - digital form Note: Complete coverage of Canada exists in graphical format 1:250,000 scale and 70% coverage at 1:50,000 scale.					
(9) storage medium: electronic  magnetic tape		hard copy		(10) spatial character:  point, line, areal	
				(11) scale of maps: 1:250,000 & 1:50,000	
(12) origin of data:  Photogrammetric compilation			(13) contacts: Mr. M.E.H. Young Chief, Systems Engineering Topographical Survey Division Surveys and Mapping Branch; EMR 615 Booth St., Ottawa, Ont. K1A 0E9 995-4637		



**"GEOCHEMISTRY OF CANADIAN TILL" DATA BASE****(1) agency name:**

Terrain Sciences Division  
Geological Survey of Canada  
Energy Mines and Resources

**(2) date:** 1978 initiated**(3) periodicity:** updated constantly**(4) area:** Canada**(5) file size:** 8,000 samples**(6) Keywords: (subject and variables)**

Geochemical elements, trace elements - carbonate contents to be included eventually.

**(7) description & features**

Chemical and mineralogical data on surficial and glacial sediments  
Most data on 2 unfunction of Glacial Till (Cu, Pb, Zn, Wi, Cr, Co, Ag, Fe, Mn, U, Cd, As, Mo) Most samples collected by glacial geologists - but many contributed by other geologists.

**(8) geographical identifications**

UTM projection

**(9) storage medium:**

electronic  
magnetic tape

hard copy  
index cards  
charts/graphs

**(10) spatial character:**

point

**(11) scale of maps:**

1:50,000 - 1:250,000

**(12) origin of data:**

Field mapping and sampling  
largely by geological survey  
of Canada personnel

**(13) contacts:**

Dr. W.W. Shilts  
Head, Sedimentology and Mineral Tracing  
Terrain Sciences Division  
Geological Survey of Canada  
Energy Mines and Resources  
Ph: 995-4523

## PLUTONIC ROCKS IN ONTRARIO

(1) agency name:  Terrain Sciences Division Geological Survey of Canada Energy Mines and Resources		(2) date: 1977	(3) periodicity: no update	(4) area: Ontario	(5) file size: 1365 bodies identified
(6) Keywords: (subject and variables)  Two listings of igneous rocks (granite, anorthosites, syenites, gabbro) one by type of rock and the other alphabetical by pluton name.					
(7) description & features Data Base established in conjunction with Atomic Energy of Canada research on waste management disposal sites. Each pluton referenced according to source; 1:1,000,000 map produced showing location and shape of each pluton. All information available in GSC paper 80-23 and map 1533A.					
(8) geographical identifications  24 regions within province of Ontario at 1:250,000 scale					
(9) storage medium: electronic key punch cards magnetic tape		hard copy index cards maps/overlays		(10) spatial character:  point	
				(11) scale of maps: 1:250,000 & 1:1,000,000	
(12) origin of data:  Published maps and reports of GSC and Ontario Ministry of Natural Resources personal communication with other geologists presently active in Ontario.			(13) contacts:  Glen McCrank or Peter Brown Geological Survey of Canada 401 Lebreton Street, Rm. 227 Ottawa, Ontario (613) 593-6075 593-6103		

## NATIONAL GEOCHEMICAL RECONNAISSANCE, URANIUM RECONNAISSANCE PROGRAM

<b>(1) agency name:</b> Resource Geophysics and Geochemistry Div. Geological Survey of Canada Energy Mines and Resources		<b>(2) date:</b> Initiated 1974	<b>(3) periodicity:</b> ongoing project	<b>(4) area:</b> various	<b>(5) file size:</b> 59 files averaging 250,000 characters each
<b>(6) Keywords: (subject and variables)</b> Stream Sediments - Stream Waters - Lake Sediments - Lake Waters Chemical Analysis - Trace Elements (see list under description and features)					
<b>(7) description &amp; features</b> Geochemical analysis of sediments and waters from lake and streams released as open files on maps and magnetic tapes for use by the public. Each file covers on the average 4,000 square miles at a sample density of 1 sample per 5 square miles. Sediments are analyzed for U, Zn, Cu, Pb, Ni, Mn, Co, Fe, and Mo for all files and Hg, Ag, As, V, F, W, Sn and Ba for some files. When collected, waters are analyzed for one or more of U, F, and pH.					
<b>(8) geographical identifications</b> Sample locations recorded in UTM coordinates					
<b>(9) storage medium:</b> electronic magnetic tape		<b>hard copy</b> maps/overlays		<b>(10) spatial character:</b> point	
<b>(11) scale of maps:</b> 1:250,000 and 1:2,000,000					
<b>(12) origin of data:</b> By contract and in-house field surveys under the auspices of the URANIUM RECONNAISSANCE PROGRAM and Provincial Geochemical Surveys			<b>(13) contacts:</b> David Ellwood Geological Survey of Canada Resource Geophysics & Geochemistry Div. 601 Booth Street K1A 0E8 995-4950		



## GEOSCAN

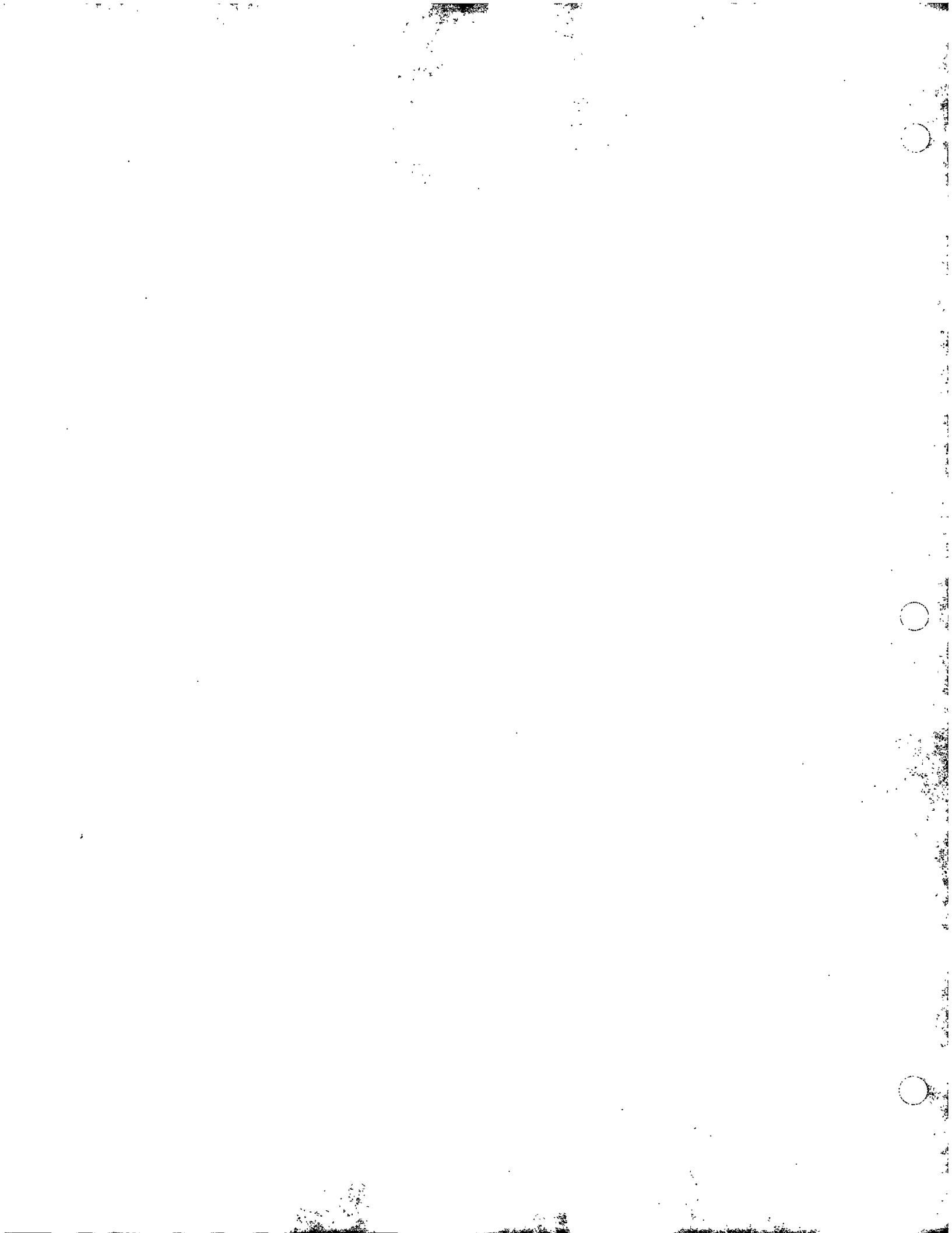
<b>(1) agency name:</b> Canada Centre for Geoscience Data Geological Survey of Canada Energy, Mines and Resources		<b>(2) date:</b> 1969 created	<b>(3) periodicity:</b> updated three times per year	<b>(4) area:</b> Canada and offshore regions	<b>(5) file size:</b> 64,626 bibliographic records
<b>(6) Keywords: (subject and variables)</b> Solid-earth sciences, including geology, geophysics, and geochemistry (including non-renewable energy and mineral resources) for the Can. landmass and its offshore regions.					
<b>(7) description &amp; features</b> The national bibliographic database for geology; previously named Canadian Index to Geoscience Data. Includes unpublished (67%) and published (33%) documents produced or held by provincial (7) and federal (4) agencies from 1845 to date.					
<b>(8) geographical identifications</b> 1. NTS (National Topographic System) units. 2. Province or Territory					
<b>(9) storage medium:</b> electronic  magnetic tape hard disc searchable on-line		hard copy  microfiche indexes	<b>(10) spatial character:</b>		
			<b>(11) scale of maps:</b> N.A.		
<b>(12) origin of data:</b> Federal and provincial geoscience agencies in Canada		<b>(13) contacts:</b> Mr. David S. Reade Manager, GEOSCAN Canada Centre for Geoscience Data 580 Booth Street Ottawa, Ontario K1A 0E4 992-9550			





## CANMINDEX MINERAL DATA BANK

<b>(1) agency name:</b> Economic Ecology Division Geological Survey of Canada Energy Mines and Resources		<b>(2) date:</b> 1978	<b>(3) periodicity:</b> on-going	<b>(4) area:</b> Canada	<b>(5) file size:</b> 20,000 records
<b>(6) Keywords: (subject and variables)</b> Geology: Economic, Mineral, Deposit					
<b>(7) description &amp; features</b> Basic information and data on selected mineral deposits in Canada. Public accessible.					
<b>(8) geographical identifications</b> Easting and Northing, Lat and Long					
<b>(9) storage medium:</b> electronic magnetic tape hard disc		<b>hard copy</b> maps/overlays		<b>(10) spatial character:</b> point	
		<b>(11) scale of maps:</b>			
<b>(12) origin of data:</b> NMI and Provincial Governments			<b>(13) contacts:</b> Dave Garson Economic Geology Division Geological Survey of Canada Energy Mines and Resources 601 Booth Street - Room 652 Ottawa, Ontario K1A 0E8 (613) 996-3399		



## MAGNETIC FIELD SURVEY DATA (SOURCE FILE)

(1) agency name: Division of Geomagnetism Earth Physics Branch Energy, Mines and Resources		(2) date: 1900 to present	(3) periodicity:
		(4) area: Canada and adjacent areas	(5) file size: 57,000 records
(6) Keywords: (subject and variables) - (Geo) magnetic observations, magnetic repeat stations - observatory annual means - secular variation			
(7) description & features File contains approximately 100,000 component-observations made by land, sea and air, over Canada and adjacent areas since 1900. Included are EPB high-altitude airborne surveys across the North Atlantic to Europe in 1954 and 1960, a Pacific Ocean reconnaissance survey of 1958, and a detailed magnetic survey of the Nordic countries, Iceland, Greenland and the Norwegian Sea in 1965. Observatory annual mean values and repeat station observations (observations repeated at or near the exact point of earlier observations) are included in this file. At most of these locations three magnetic elements were observed: declination (D), horizontal intensity (H) and vertical intensity (Z), or declination, inclination (I) and total intensity (F), or declination, inclination and horizontal intensity. These data are a principal data source for tracking the long period changes in the direction and intensity of the earth's magnetic field. Also contains other types of magnetic data such as low-altitude airborne and shiptowed magnetic measurements by the GSC.			
(8) geographical identifications			
(9) storage medium: electronic magnetic tape	hard copy	(10) spatial character:  point	(11) scale of maps:
(12) origin of data:	(13) contacts:  Ed Dawson Geomagnetic Charts and Interpretation Division of Geomagnetism Earth Physics Branch, EMR 1 Observatory Cres Ottawa, Ontario K1A 0Y3 995-5493		

MAGNETIC DECLINATION FILE

<p>(1) agency name:                  Division of Geomagnetism                  Earth Physics Branch                  Energy, Mines and Resources</p>		<p>(2) date: 1980</p>
		<p>(3) periodicity:</p>
		<p>(4) area: Canada</p>
		<p>(5) file size: 4,000 points</p>
<p>(6) Keywords: (subject and variables)</p> <ul style="list-style-type: none"> <li>- Magnetic Declination, Compass Variation</li> <li>- Annual Change</li> </ul>		
<p>(7) description &amp; features</p> <p>The file contains values of magnetic declination and annual change for 1980 at 1° intervals of latitude and longitude between 43° and 85°N, and 48° and 148°W. The file is used to provide interpolated values of declination and annual change for specified points in Canada.</p>		
<p>(8) geographical identifications</p>		
<p>(9) storage medium:                  electronic                   hard disc</p>	<p>hard copy                   maps</p>	<p>(10) spatial character:                  point</p>
		<p>(11) scale of maps:                  1:10,000,000</p>
<p>(12) origin of data:</p>	<p>(13) contacts:                  Ed. Dawson                  Geomagnetic Charts and Interpretation                  Division of Geomagnetism                  Earth Physics Branch, EMR                  1 Observatory Cres                  Ottawa, Ontario K1A 0Y3</p>	

## CANADIAN MAGNETIC OBSERVATORY DATA

<b>(1) agency name:</b> Division of Geomagnetism Earth Physics Branch Energy, Mines and Resources		<b>(2) date:</b> Various	<b>(3) periodicity:</b> Yearly	<b>(4) area:</b> Canada	<b>(5) file size:</b> 3 x 10 <sup>9</sup> BCD characters
<b>(6) Keywords: (subject and variables)</b>  (Geo) magnetic observatories, (Geo)magnetic variations (Geo) magnetic storms, (Geo)magnetic activity					
<b>(7) description &amp; features</b> The data base contains some 30 magnetic tapes consisting of information on the temporal variation of the geomagnetic field at certain locations in Canada. The earlier information is in the form of analog records (microfil) and hourly mean values of the magnetic components. Recently with the introduction of digital equipment, the data consists mainly of one-minute samples of the geomagnetic fields. Summaries of the data are contained in annual reports.					
<b>(8) geographical identifications</b>					
<b>(9) storage medium:</b> electronic magnetic tape		<b>hard copy</b> - annual report - microfilm of records		<b>(10) spatial character:</b> point	
<b>(11) scale of maps:</b>					
<b>(12) origin of data:</b>  Automated recording devices serviced by contractors			<b>(13) contacts:</b> G. Jansen van Beek Manager Canadian Magnetic Observatory Network Division of Geomagnetism Earth Physics Branch Energy Mines and Resources 1 Observatory Crescent Ottawa, Ontario K1A 0?3 995-5554		

## CANADIAN AEROMAGNETIC THREE-COMPONENT HALF-MINUTE AVERAGES

(1) agency name: Divison of Geomagnetism Earth Physics Branch Energy Mines and Resources Canada		(2) date: 1965, 1969, 1970, 1972, 1974, 1976	(3) periodicity: approx. 6 weeks survey in each of above years	(4) area: Canada and offshore	(5) file size: 114,00 records, or 2,964,000 binary words
(6) Keywords: (subject and variables) Aeromagnetic, Three-component, half-minute averages					
(7) description & features Averages of geomagnetic field components over 30 seconds of time, or approximately 3.5 km of flight track. Flight altitudes generally ranged from 3 to 5 km. Data were corrected for calibration errors and aircraft fields.					
(8) geographical identifications Canada and off-shore Greenland, Greenland and Norwegian Seas, Norway, Denmark, Sweden, Finland, and Iceland.					
(9) storage medium: electronic magnetic tape		hard copy maps		(10) spatial character: point	
				(11) scale of maps: 1:5,000,000	
(12) origin of data: Aeromagnetic surveys. Data originally taken every three seconds.			(13) contacts: G.V. Haines Division of Geomagnetism Earth Physics Branch 1 Observatory Crescent Ottawa, Ontario K1A 0Y3 995-5582		

## HUDSON BAY SHIPBORNE TOTAL FIELD 5- MINUTE AVERAGES

<b>(1) agency name:</b> Division of Geomagnetism Earth Physics Branch Energy Mines and Resources Canada		<b>(2) date:</b> 1975, 1976, 1977, 1978
		<b>(3) periodicity:</b> 2 month survey in each of above years
		<b>(4) area:</b> Hudson Bay
		<b>(5) file size:</b> 37,000 records, or 1,782,000 binary words
<b>(6) Keywords: (subject and variables)</b> Shipborne, Magnetic, Total-field, Five-minute averages.		
<b>(7) description &amp; features</b> Averages of geomagnetic total intensity, over 5 minutes of time or approximately 1.4 km of ship track. Data were corrected for secular change to epoch 1975.0, and for diurnal and transient variations.		
<b>(8) geographical identifications</b> Hudson Bay.		
<b>(9) storage medium:</b> electronic magnetic tape	<b>hard copy</b> maps	<b>(10) spatial character:</b> point
		<b>(11) scale of maps:</b> 1:2,000,000
<b>(12) origin of data:</b> Shipborne survey. Data originally taken every 10 seconds.	<b>(13) contacts:</b> G.V. Haines Division of Geomagnetism Earth Physics Branch 1 Observatory Crescent Ottawa, Ont K1A 0Y3 995-5582	





HISTORICAL EARTHQUAKE FILE

<p>(1) agency name:                  Division of Seismology &amp; Geothermal Studies                  Earth Physics Branch                  Energy Mines and Resources</p>		<p>(2) date: 1800 (approx) to present</p>	<p>(3) periodicity: updated annually</p>
		<p>(4) area: Canada</p>	<p>(5) file size: approx. 10,000</p>
<p>(6) Keywords: (subject and variables)                  Earthquake, region, magnitude, time period</p>			
<p>(7) description &amp; features                  On-line disc for division use. Public access on cost recovery basis. Information retrievable various forms including, lists, maps. *Canadian seismological ground motion data and information; seismic risk in Canada.                   *All known Canadian Earthquake locations and magnitudes.</p>			
<p>(8) geographical identifications                  Earthquakes in Canada</p>			
<p>(9) storage medium:                  electronic                  magnetic tape                  floppy disc</p>	<p>hard copy</p>		<p>(10) spatial character:                  point</p>
		<p>(11) scale of maps:</p>	
<p>(12) origin of data:</p>		<p>(13) contacts:                  P.W. Basham                  Head, Seismicity, Seismic Hazards and Applications                  Division of Seismology &amp; Geothermal Studies                  Earth Physics Branch, Energy Mines and Resources                  1 Observatory Crescent                  Ottawa, Ontario K1A 0Y3                  995-5548</p>	

ANALOGUE SEISMOGRAMS

<p>(1) agency name:                  Division of Seismology &amp; Geothermal Studies                  Earth Physics Branch                  Energy Mines and Resources</p>		<p>(2) date:</p>
		<p>(3) periodicity:</p>
		<p>(4) area:</p>
		<p>(5) file size:</p>
<p>(6) Keywords: (subject and variables)                  Seismic ground motion</p>		
<p>(7) description &amp; features                  Seismograms produced by 50 Canadian stations (not automated) archived and some stations microfilmed in Ottawa.</p>		
<p>(8) geographical identifications</p>		
<p>(9) storage medium:                  electronic                   micro-film archive</p>	<p>hard copy</p>	<p>(10) spatial character:</p>
		<p>(11) scale of maps:</p>
<p>(12) origin of data:</p>	<p>(13) contacts:                  P.W. Basham                  Head, Seismicity, Seismic Hazards &amp; Applications                  Division of Seismology &amp; Geothermal Studies                  Earth Physics Branch, Energy Mines &amp; Resources                  1 Observatory Crescent                  Ottawa, Ontario K1A 0Y3                  995-5548</p>	

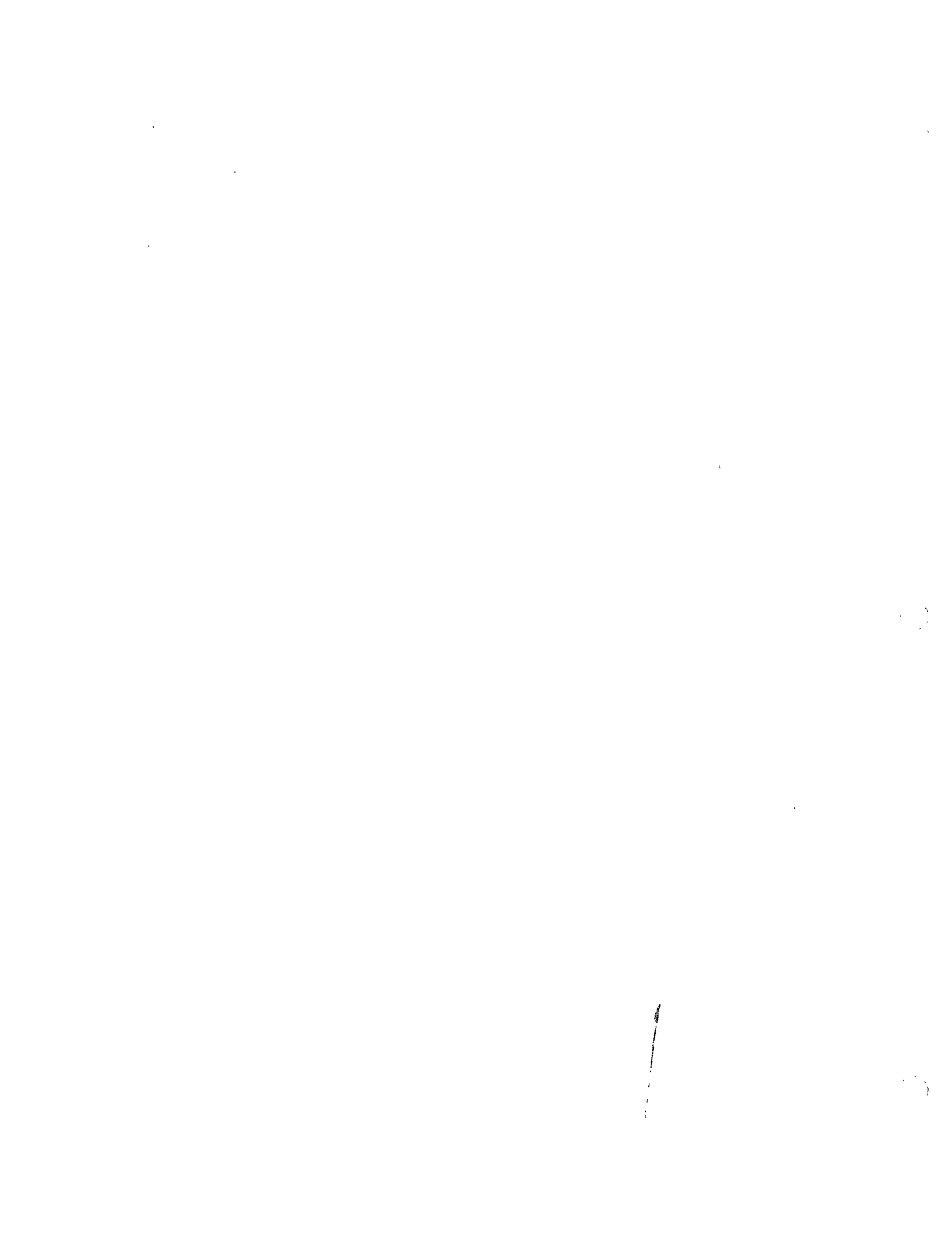
## DIGITAL SEISMIC STATION DATA

(1) agency name: Division of Seismology & Geothermal Studies Earth Physics Branch Energy Mines and Resources		(2) date: approx. 1960 commencement	(3) periodicity: partial daily	(4) area: Canada	(5) file size: N/A
(6) Keywords: (subject and variables)					
(7) description & features Data archived for all digital seismic stations (approx 20) currently operating in Canada.					
(8) geographical identifications Seismic ground motion					
(9) storage medium: electronic  on-line for stations with capacity	hard copy		(10) spatial character:		
			(11) scale of maps:		
(12) origin of data:		(13) contacts: P.W. Bashm Head, Seismicity, Seismic Hazards & Applications Division of Seismology & Geothermal Studies Earth Physics Branch Energy Mines and Resources 1 Observatory Crescent Ottawa, Ontario K1A 0Y3 995-5548			



## NATIONAL GRAVITY DATA BASE

(1) agency name: Earth Physics Branch Energy Mines and Resources		(2) date: 1960	(3) periodicity: updated weekly
		(4) area: Canada	(5) file size: #'s 1,2,3,5 = disc SK2 system, #4 binary file on tape
(6) Keywords: (subject and variables) Source data base; station and gravity anomaly data			
(7) description & features National Gravity Data Base umbrella term for 5 data bases. 1. measurements of gravity anomalies over the earth's sfc. 2. gravity reference stations. 3. gravity meter calibration data. 4. national gravity net control measurements. 5. digital terrain fl. Canada public on-line access not available.			
(8) geographical identifications			
(9) storage medium: electronic magnetic tape floppy disc	hard copy		(10) spatial character:
		(11) scale of maps:	
(12) origin of data:		(13) contacts: Ken McConnell Gravity & Geodynamics Division Earth Physics Branch Energy Mines and Resources 1 Observatory Crescent Ottawa, Ontario K1A 0Y3 995-5326	



## NATIONAL MINERAL INVENTORY (NMI)

(1) agency name: Mineral Supply Branch Mineral Policy Sector Energy Mines and Resources		(2) date: 1959 (intermittent since pre-1900) (3) periodicity: ongoing update (4) area: Canada (5) file size: 19,000 + records with variables
(6) Keywords: (subject and variables) Mineral occurrences, name of property, owner; location; geological and economical characteristics; exploration history, development and production; bibliography.		
(7) description & features Narrative-form summaries, under several headings, describes individual mineral occurrences or properties. Typed on 8½ x 11 cards. Filed by commodity and province or territory.		
(8) geographical identifications NTS grid map reference, lats and long, UTM, province, territory, administrative unit, lot and range.		
(9) storage medium: electronic	hard copy index cards	(10) spatial character: point
		(11) scale of maps:
(12) origin of data: Various: published and unpublished	(13) contacts: A.G. Sozanski National Mineral Inventory Energy Mines and Resources Sir William Logan Building 580 Booth St., 6th Floor Ottawa, Ontario K1A 0E4 995-9466	

## MINSYS (based on NMI)

<b>(1) agency name:</b> Mineral Supply Branch Mineral Policy Sector Energy Mines and Resources		<b>(2) date:</b>	<b>(3) periodicity:</b>	<b>(4) area:</b>	<b>(5) file size:</b>
<b>(6) Keywords: (subject and variables)</b> Deposit/occurrence name; other name; holder; Discovery; year and method; Location: province, geo-province, age, lat & long, NTS. Production years; Administrative unit; commodity and status; geophysical and geochemical work; drill; workings (types size) Deposits; canmindex number.					
<b>(7) description &amp; features</b> An electronic storage system of keyworded data extracted from the National Mineral Inventory (EMR 4/1-1). Is sortable into various table and index printouts. Has occurrence location plotting capability.					
<b>(8) geographical identifications</b> NTS grid map reference, lat & long, UTM, province, territory, administrative unit.					
<b>(9) storage medium:</b> electronic  hard disc		hard copy		<b>(10) spatial character:</b>  point	
				<b>(11) scale of maps:</b>	
<b>(12) origin of data:</b>			<b>(13) contacts:</b> A.G. Sozanski National Mineral Inventory Energy Mines & Resources Sir William Logan Building 580 Booth St., 6th Floor Ottawa, Ontario K1A 0E7 995-9466		



## RESORS (REMOTE SENSING ON-LINE RETRIEVAL SYSTEM)

## - BIBLIOGRAPHIC -

(1) agency name:

Canada Centre for Remote Sensing  
Energy Mines and Resources

(2) date: originated 1972

(3) periodicity: input monthly  
basis

(4) area:

(5) file size: 28,000 documents,  
3,200 slides

(6) Keywords: (subject and variables)

Author, title, publisher, author affiliation, publication date, source citation,  
citation, keywords and subject category code.

(7) description &amp; features

Bibliographic data base with information pertaining to remote sensing.  
Multi-disciplinary system including land use, agriculture and hydrology related info.  
searchable index to 35mm. slide collection also maintained.

(8) geographical identifications

(9) storage medium:  
electronic

magnetic tape

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

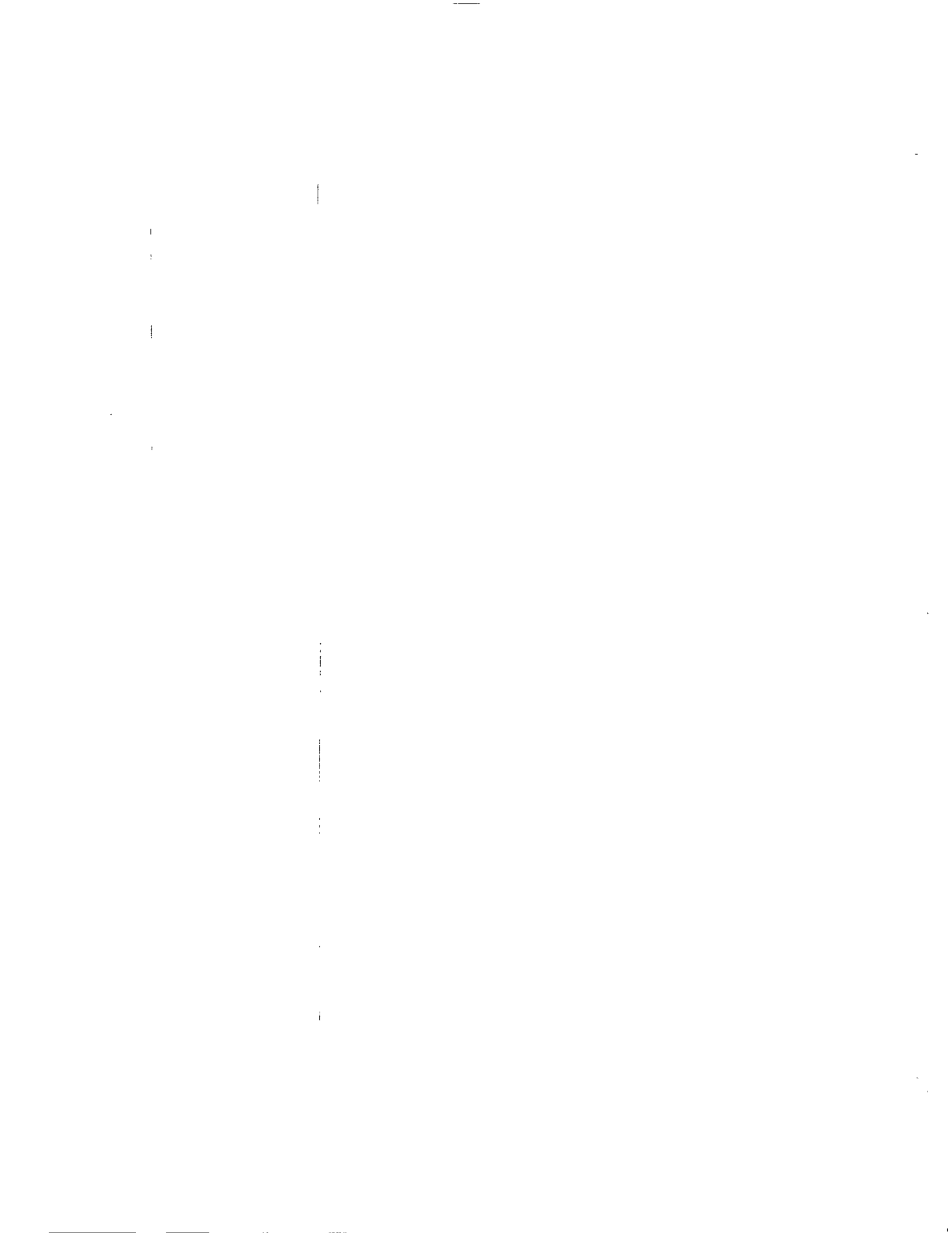
Lydia Taylor  
Data Applicattions Division  
Canada Centre for Remote Sensing  
717 Belfast Road  
Ottawa, Ontario K1A 0Y7  
995-1210



## ENERGY PROJECTS ENG

- BIBLIOGRAPHIC -

(1) agency name:  Canada and Provincial Energy Projects Energy Sector Energy Mines and Resources		(2) date: October 1979	(3) periodicity: as required	(4) area: Canada	(5) file size: 846
(6) Keywords: (subject and variables)  Project description, funding, costs to federal government project management, cost to Province, abstract, reference, jurisdiction.					
(7) description & features  Descriptions of significant ongoing energy research and development projects in Canada. Information covers latest three years, QL/Search - interactive on-line.					
(8) geographical identifications  Full address					
(9) storage medium: electronic  magnetic tape		hard copy		(10) spatial character:	
				(11) scale of maps:	
(12) origin of data:  In-house EMR			(13) contacts: Suzan O'Connor Energy Co-ordinator QL Systems Ltd 1018 - 112 Kent St. Ottawa, Ontario 238-3499		



PITSLOPE PROJECT: RECLAMATION OF MINE WASTES BY VEGETATION

<p>(1) agency name: Mining Research Laboratories Canada Centre for Mineral &amp; Energy Technology Energy Mines and Resources</p>		<p>(2) date: 1974-75</p>
		<p>(3) periodicity: Once only</p>
		<p>(4) area: Mining areas in Canada</p>
		<p>(5) file size: 2 texts (approx. 300 pages in total)</p>
<p>(6) Keywords: (subject and variables)</p> <p>Chemical, physical characteristics, mine tailings, establishing plant cover on waste materials, location, area and degree of vegetation cover.</p>		
<p>(7) description &amp; features</p> <p>An update of topographic maps of mine waste area related to their size and vegetative cover. Case studies and site examinations of a number of these sites investigating the growth conditions and major growth problems with wastes stabilization by vegetation. Covers major producing mines up to 1974.</p>		
<p>(8) geographical identifications</p> <p>Overlays of existing topographic maps with their GSC map reference number indicated.</p>		
<p>(9) storage medium: electronic</p>	<p>hard copy charts/graphs maps/overlays</p>	<p>(10) spatial character: semi-spatial</p>
		<p>(11) scale of maps: 1:50,000</p>
<p>(12) origin of data: Field Survey Contracts Satellite Imagery In-House Study</p>		<p>(13) contacts: Mr. David R. Murray Elliot Lake Laboratory P.O. Box 100 Elliot Lake, Ontario P5A 2J6 (705) 848-2236</p>



## MINERAL PROCESSING - MINPROC

## - BIBLIOGRAPHIC -

(1) agency name: Technology Information Division Canada Centre for mineral and Energy Technology Science and Technology Energy Mines and Resources		(2) date: initiated 1967	(3) periodicity: updated monthly	(4) area: Canada	(5) file size: 5,000
(6) Keywords: (subject and variables) Mineral processing and technology - author, title, abstract, keywords, accession number					
(7) description & features Bibliographic data base on mineral processing and technology in Canada					
(8) geographical identifications					
(9) storage medium: electronic  floppy disc	hard copy		(10) spatial character:	(11) scale of maps:	
(12) origin of data:			(13) contacts: Dr. P.G. Sutterlin Head, Technical Enquiries Technology Information Division Canada Centre for Mineral and Energy Technology 555 Booth St., Rm 346 (2nd Floor) Ottawa, Ontario K1A 0G1 995-4029		

## MINTEX (ACCESSED BY QL)

## (1) agency name:

Technology Information Division  
 Canada Centre for Mineral and Energy  
 Technology  
 Science and Technology  
 Energy Mines and Resources

(2) date: initiated 1967

(3) periodicity: updated monthly

(4) area:

(5) file size: 21,000

## (6) Keywords: (subject and variables)

Mining technology (surface and underground) accession number, author, title, abstract, keywords, citations.

## (7) description &amp; features

Bibliographic data base with public on-line access. References on mining technology and related topics relevant to Canada.

## (8) geographical identifications

(9) storage medium:  
electronic

floppy disc

hard copy

(10) spatial character:

(11) scale of maps:  
Canada

## (12) origin of data:

## (13) contacts:

Dr. P.G. Sutterlin  
 Head, Technical Enquiries  
 Technology Information Division  
 Canada Centre for Mineral and Energy  
 Technology  
 555 Booth St., Rm 346 (2nd Floor)  
 Ottawa, Ontario K1A 0G1  
 995-4029



## COAL DATA BASE - COAL

## - BIBLIOGRAPHIC -

## (1) agency name:

- 1) International Energy Agency
- 2) Canada Centre for Mineral and Energy Technology (CanMET)
- 3) Canadian Institute for Scientific and Technical Information (CISTI)

(2) date: available April 1981  
initiated 1977

(3) periodicity: updated monthly

(4) area: World

(5) file size: 25,000

## (6) Keywords: (subject and variables)

Coal economics, coal policy and management, coal reserves and exploration, coal mining, coal preparation, coal transport and handling, coal combustion, coal conversion, environmental effects.

## (7) description &amp; features

Bibliographic data base on coal science and technology.

## (8) geographical identifications

(9) storage medium:  
electronic

magnetic tape  
on-line at  
CISTI through  
CAN/OLE

hard copy

(10) spatial character:

(11) scale of maps:

## (12) origin of data:

## (13) contacts:

Ms. B.E. Lawton, P.Eng.,  
Technology Information Division  
CANMET  
555 Booth Street, Room 348  
Ottawa, Ontario K1A 0G1  
995-4029



## AUTOMATED HYDROMETRIC DATA SYSTEM

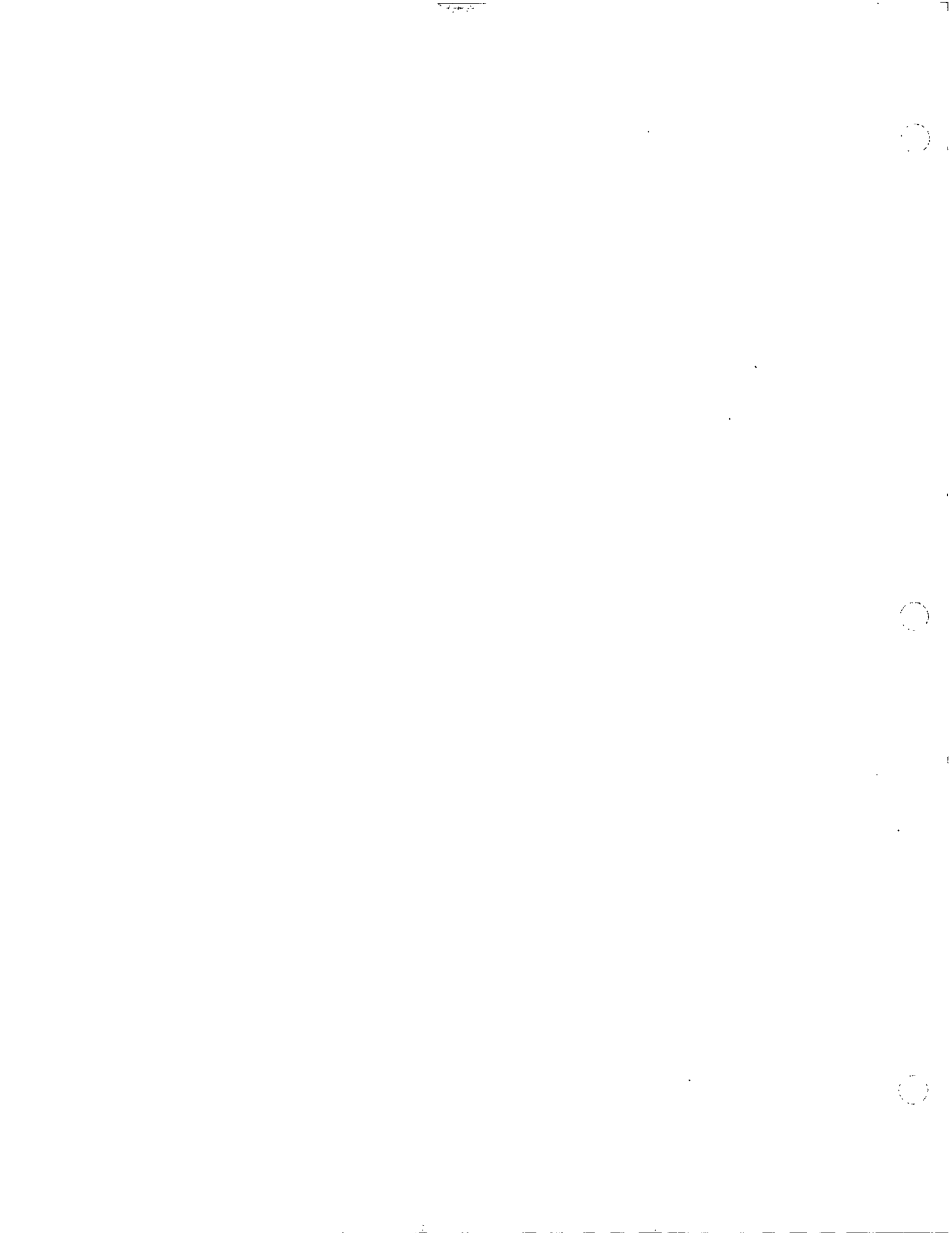
(1) agency name: Water Resources Branch Inland Waters Directorate Environment Canada		(2) date: 1908	(3) periodicity: annual	(4) area: Canada	(5) file size:
(6) Keywords: (subject and variables) streamflow, water level and sediment data measured values and sample statistics such as monthly and annual means and monthly annual and long term extremes					
(7) description & features  The system maintains both measured values and sample statistics such as monthly and annual means and highs and lows.					
(8) geographical identifications					
(9) storage medium: electronic	hard copy		(10) spatial character: point	(11) scale of maps:	
(12) origin of data:			(13) contacts:  Head Water Survey of Canada Data Control Section Water Resources Branch 8th Floor, PVM (819) 997-2098		

## WATER SURVEY OF CANADA DATA BANKS

(1) agency name:  Water Resources Branch Inland Waters Directorate Environment Canada		(2) date: 1908	(3) periodicity: annual	(4) area: Canada	(5) file size: 9 files
(6) Keywords: (subject and variables) File names: HYDEX - descriptive info., station name, drainage area, lat., long., period of record, natural or regulated flow; <u>FLOW</u> - daily discharge data; <u>LEVELS</u> - daily water level data for selected stations; <u>PEAKS</u> - maximum instantaneous discharges and water levels for the period of record for all stations, <u>SUSCON</u> - historical daily suspended sediment concentrations; <u>TEMPERATURES</u> - historical daily water temperatures; <u>BEDLOAD</u> - historical monthly sediment totals; <u>PARTSIZE</u> - particle size distribution of various types of sediment samples; <u>SEDEX</u> - descriptive sediment info. The following data publications are distributed regularly: 1) Surface Water Data Reference Index; 2) Surface Water Data; 3) Historical Waterlevels Summary; 5) Sediment Data Reference Index; 6) Sediment Data for Canadian Rivers; 7) Historical Sediment Data Summary.					
(7) description and features hydrometric and sediment surveys - 6050 gauging stations					
(8) geographical identifications					
(9) storage medium: electronic  magnetic tape		hard copy  publications		(10) spatial character:  point, areal	
(11) scale of maps:					
(12) origin of data:  Water Survey of Canada Provincial Agencies Other contributing Agencies			(13) contacts:  Head Data Control Section Water Survey of Canada Water Resources Branch (819) 997-2098		

WATER QUANTITY SURVEYS

<p>(1) agency name:                  Water Resources Branch                  Inland Waters Directorate                  Environment Canada</p>		<p>(2) date: ongoing daily data</p>
		<p>(3) periodicity:</p>
		<p>(4) area: Manitoba - N.W. Ontario</p>
		<p>(5) file size:</p>
<p>(6) Keywords: (subject and variables)                  Daily discharges, water levels, sediment concentrations</p>		
<p>(7) description &amp; features                  Contains streamflow, water level and sediment transport data from selected station sites in the Winnipeg District. The data is required for design and development of water resources projects.</p>		
<p>(8) geographical identifications</p>		
<p>(9) storage medium:                  electronic                  key punch cards                  magnetic tape</p>	<p>hard copy                  tables                  charts/graphs</p>	<p>(10) spatial character:</p>
		<p>(11) scale of maps:</p>
<p>(12) origin of data:                  Field surveys, office                  computations</p>	<p>(13) contacts:                   Regional Chief                  Water Resources Branch                  521 - 269 Main St.                  Winnipeg, Manitoba                  R3C 1B2</p>	



NAQUADAT  
Ottawa River Water Quality Data Base

<p>(1) agency name: Water Quality Branch Inland Waters Directorate Environment Canada</p>	<p>(2) date: 1962-1978</p> <p>(3) periodicity: Variable</p> <p>(4) area: Ottawa River Basin 146,334 km<sup>2</sup></p> <p>(5) file size: 1800 samples</p>
<p>(6) Keywords: (subject and variables) A water quality data base composed of parameters including: physical values, nutrients, metals, major ions and other organic and inorganic constituents. In addition OME nutrient data has also been added.</p>	
<p>(7) description &amp; features The data was collectd to provide baseline information and to detect and interpret trends. This information has been studied intensively by various task forces and most recently in response to the requirements of the federal/provincial technical working group on water quality in the Ottawa river.</p>	
<p>(8) geographical identifications  Stations are identified on the data base by latitudes and longitudes as well as descriptive narratives.</p>	
<p>(9) storage medium: electronic  hard disc</p>	<p>hard copy</p>
<p>(10) spatial character: semi-spatial</p>	
<p>(11) scale of maps:</p>	
<p>(12) origin of data: Water Quality Branch Baseline Monitoring and Special Studies Acquisition of Data from Provincial Source</p>	<p>(13) contacts: E.R. Watt Monitoring and Surveys Division Water Quality Branch Ottawa, Ontario K1A OE7 (819) 997-3422</p>

## NAQUADAT NATIONAL WATER QUALITY DATA BANK

<p>(1) agency name: Water Quality Branch Inland Waters Directorate Environment Canada</p>	<p>(2) date: 1960 - present</p> <p>(3) periodicity: 2 weeks</p> <p>(4) area: National</p> <p>(5) file size: (1960-present) data file=450,000 records, Station file= 11,000 records (4,000 stations)</p>
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(6) Keywords: (subject and variables)  
Water quality analyses (chemical, physical or biological). Surface waters, ground waters, waste water and sediments, precipitation.

## (7) description &amp; features

Contains data required for planning water use and water quality objectives. Storage, retrieving and reporting of water quality data retrievals, summaries, plots, published reports, statistics, calculations, maps

3 files: Datafile - stores analytical results  
Stationfile - sampling locations and coordinates  
Dictionary file - methods and parameters

Interactive version under system 2000 implemented in 1981

## (8) geographical identifications

Water survey of Canada basin/subbasin codes  
Latitude/longitude of sampling locations  
Narrative descriptions

<p>(9) storage medium: electronic magnetic tape hard disc terminal access at HQ office</p>	<p>hard copy</p>	<p>(10) spatial character: semi-spatial point</p>
		<p>(11) scale of maps:</p>

(12) origin of data:  
WQB sampling programs  
- Provincial and  
Municipal data from  
selected areas

(13) contacts:  
S. Whitlow  
Head, Data & Instrumentation Section  
Monitoring and Surveys Division  
Water Quality Branch  
Inland Waters Directorate  
Place Vincent Massey  
Ottawa, Ont. K1A 0E7  
(819) 997-3422



## HYDROLOGIC STUDIES: MACKENZIE DELTA REGION

(1) agency name: National Hydrology Research Institute Inland Waters Directorate Environment Canada		(2) date: 1975
		(3) periodicity: annual
		(4) area: taiga and tundra, Inuvik Tuktoyaktuk region, N.W.T.
		(5) file size:
(6) Keywords: (subject and variables) Snow cover, precipitation, runoff, river ice conditions		
(7) description & features  Data relevant to water supply and engineering concerns		
(8) geographical identifications		
(9) storage medium: electronic	hard copy tables charts/graphs reports	(10) spatial character:  semi-spatial
		(11) scale of maps:
(12) origin of data:  Field surveys	(13) contacts:  John C. Anderson Northern Hydrology Section Surface Water Division N.H.R.I., Environment Canada Ottawa, Ontario K1A 0E7 (819) 997-2385	

## GLACIER INVENTORY OF CANADA

(1) agency name: National Hydrology Institute Inland Waters Directorate Environment Canada		(2) date: 1965	(3) periodicity: Continuing
		(4) area: Glacierized area of Canada	(5) file size: 18 Progress Reports
(6) Keywords: (subject and variables) data collection, inventory, perennial ice, snow masses, land surface, measurements, climatic data, glaciers			
(7) description & features As part of international inventory it adheres to UNESCO recommendations by retaining UNESCO format. A fourth card is added however. It contains a narrative description of glacier, unusual features, name, work summarizing code, photographic record, surge and ogive indicators, moraine types and number of dammed lakes. This card is retained as part of the national inventory only.			
(8) geographical identifications  Geographical and U.T.M. coordinates			
(9) storage medium: electronic key punch cards magnetic tape	hard copy maps/overlays	(10) spatial character:  semi-spatial	
		(11) scale of maps: Index 1:500,000 Work 1:50,000	
(12) origin of data:  Air photo and map interpretation, literature searches		(13) contacts: C. Simon L. Ommanney, A/Chief Snow and Ice Division National Hydrology Research Inst Environment Canada Ottawa, Ontario K1A OE7 (819) 997-2476	

## LIARD BASIN SPRING FLOOD STUDY

(1) agency name: National Hydrology Research Institute Inland Waters Directorate Environment Canada		(2) date: 1978	(3) periodicity: annual to 1980
		(4) area: Liard River Basin	(5) file size:
(6) Keywords: (subject and variables)  River ice break-up, ice jamming, suspended sediment, hydrometeorology			
(7) description & features Data relate to river ice and suspended sediment conditions during spring break-up on Fort Nelson and Liard Rivers.			
(8) geographical identifications			
(9) storage medium: electronic	hard copy tables charts/graphs maps/overlays reports	(10) spatial character:  semi-spatial	(11) scale of maps:
(12) origin of data:  Field Surveys	(13) contacts: John C. Anderson Surface Water Division N.H.R.I. Environment Canada Ottawa, Ontario K1A 0E7		



## CANADIAN ENVIRONMENT (CENV)

## -BIBLIOGRAPHIC-

(1) agency name: WATDOC Inland Waters Directorate Environment Conservation Service Environment Canada		(2) date: initiated in 1972, references from 1970.	(3) periodicity: approximately 500 new references monthly.	(4) area: Canada	(5) file size: 44,734 document references.
(6) Keywords: (subject and variables) water, water conservation, control, management, land, wildlife, pollution, flooding, environment, ecology.					
(7) description & features Database provides full bibliographic citations, keywords and abstracts of Canadian water and environmentally related scientific and technical publications, publicly on-line in Canada and abroad.					
(8) geographical identifications Some references have longitude and latitude of point(s) or area(s), place-names.					
(9) storage medium: electronic  magnetic tape disc		hard copy		(10) spatial character:	
				(11) scale of maps:	
(12) origin of data: DOE Libraries, publishers, provinces, consultants, etc.			(13) contacts: Evangeline Campbell, Manager WATDOC Environment Canada Ottawa, Ontario K1A 0E7 (819) 997-2324		

## ENVIRONNEMENT (ENV)

## -BIBLIOGRAPHIC-

(1) agency name: WATDOC Inland Waters Directorate Environmental Conservation Service Environment Canada		(2) date: initiated in 1979, references from 1971.	(3) periodicity: approx. 300 new references monthly.	(4) area: Canada	(5) file size: 2,073 document references.
(6) Keywords: (subject and variables) environment, water, ecology, forestry, wildlife, air, land use, pollution					
(7) description & features French language database provides full bibliographic citations, keywords and abstracts of Canadian environmentally related scientific and technical publications publicly on line in Canada and abroad.					
(8) geographical identifications Latitude, longitude of point(s) or area(s), place-names, National Topographical System (NTS) map numbers.					
(9) storage medium: electronic magnetic tape disc		hard copy		(10) spatial character:	
				(11) scale of maps:	
(12) origin of data: Departmental and provincial libraries.			(13) contacts: Pierre Durocher WATDOC Environment Canada Ottawa, Ontario K1A 0E7 (819) 997-1238		

## DATA REFERENCE (DREF)

(1) agency name:  WATDOC Inland Waters Directorate Environmental Conservation Service Environment Canada		(2) date: initiated in 1976, references from 1975.	(3) periodicity: semi-annual	(4) area: Canada	(5) file size: 855 references
(6) Keywords: (subject and variables) water resources, lands, forestry, wildlife, data holdings and series, environment					
(7) description & features  Cooperatively produced database, detailed references to collection of water resources and environmental data collected and held in Canada. References accessed via keyword geographical indexes and other on-line searching includes item, number, abstract, language, type of item					
(8) geographical identifications  Latitude, longitude for point(s) and area(s), place-names, Water Survey of Canada River codes.					
(9) storage medium: electronic magnetic tape disc	hard copy		(10) spatial character:		
			(11) scale of maps:		
(12) origin of data:		(13) contacts:  Evangeline Campbell, Manager WATDOC Environment Canada Ottawa, Ontario K1A 0E7 (819) 997-2324			

## SOLID WASTE MANAGEMENT (SOL)

(1) agency name: WATDOC Inland Waters Directorate Environmental Conservation Service Environment Canada		(2) date: 1970 data time range	(3) periodicity: updated annually	(4) area: Canada	(5) file size: 213 references
(6) Keywords: (subject and variables)  solid wastes, management, pollution, environment, project location, funding source, mechanical engineering					
(7) description & features  Place-names.					
(8) geographical identifications					
(9) storage medium: electronic  magnetic tape disc		hard copy		(10) spatial character:	
				(11) scale of maps:	
(12) origin of data:  Waste Management Branch Environmental Impact Control Directorate Environmental Protection Service (V. Niemela)			(13) contacts:  Evangeline Campbell, Manager WATDOC Environment Canada Ottawa, Ontario K1A 0E7 (819) 997-2324		



## STAR

(1) agency name: Inland Waters Directorate National Water Research Institute Environment Canada		(2) date: 1969	(3) periodicity: as received	(4) area: Great Lakes	(5) file size: 1.6 million data values
(6) Keywords: (subject and variables)  Station information, time of data collection, depth, chemical parameters					
(7) description & features  Water quality data on Great Lakes; numeric data base data collected by departmental ships. Data dates back to 1965.					
(8) geographical identifications  Latitude and longitude					
(9) storage medium: electronic  magnetic tape interactive on-line		hard copy  produce printed report	(10) spatial character:  point		
			(11) scale of maps: Canada		
(12) origin of data:  Departmental Ship collection		(13) contacts: R. Duffield, Data Base Administrator Data Management Section National Water Research Institute Environment Canada Box 5050 Burlington, Ontario (416) 637-4324			

## GLOWDAT

(1) agency name:  National Water Research Institute Inland Waters Directorate Environment Canada		(2) date: Jan. 1979 initiated	(3) periodicity: update as info. received	(4) area: world	(5) file size: 5,000 data points
(6) Keywords: (subject and variables) Includes station location, description, time parameter codes.					
(7) description & features  Numeric data base currently under development. Water quality data from world-wide stations covering freshwater standards and chemical parameters.					
(8) geographical identifications  Latitude, longitude and octant.					
(9) storage medium: electronic		hard copy	(10) spatial character:  point		
interactive on-line		produce printed report	(11) scale of maps: World-wide		
(12) origin of data: World Health organization GEMS/Water project		(13) contacts: R. Duffield, Database Administrator Data Management Section National Water Research Institute Environment Canada Box 5050 Burlington, Ontario (416) 637-4324			

BREEDING BIRDS SURVEY

<p>(1) agency name: Migratory Bird Branch Canadian Wildlife Service Environment Canada</p>		<p>(2) date: 1966 - ongoing</p>
		<p>(3) periodicity: annual</p>
		<p>(4) area: Canada</p>
		<p>(5) file size: 1,000 items annually</p>
<p>(6) Keywords: (subject and variables) Breeding birds, population trends by species, primarily passerines.</p>		
<p>(7) description &amp; features Manual methods, ground survey involving 300 straight line transects, each with 50 points within 25 miles.</p>		
<p>(8) geographical identifications Degree block, province, region</p>		
<p>(9) storage medium: electronic  magnetic tape</p>	<p>hard copy  tables</p>	<p>(10) spatial character:  semi-spatial</p>
		<p>(11) scale of maps:</p>
<p>(12) origin of data:  Cooperative breeding bird survey</p>	<p>(13) contacts: Steve Wendt CWS, Environment Canada Migratory Birds Branch 351 St. Joseph Blvd Hull, Quebec K1A 0E7 (819) 997-1121</p>	

NATIONAL HARVEST SURVEY AND SPECIES COMPOSITION SURVEY AND SALES OF HUNTING PERMITS

(1) agency name: Migratory Bird Branch Canadian Wildlife Service Environment Canada		(2) date: 1966 - ongoing	(3) periodicity: annually	(4) area: Canada	(5) file size: Annually 500,000 permit sales and 60,000 survey responses
(6) Keywords: (subject and variables) Migratory bird hunting permit sales. Kill estimates by species.					
(7) description & features Statistical summary by geographical region. Maps showing average kill for waterfowl species. Individual survey responses.					
(8) geographical identifications Latitude and longitude, provinces, other zonings as required					
(9) storage medium: electronic  magnetic tape		hard copy  tables maps/overlays	(10) spatial character:  semi-spatial		
			(11) scale of maps: 1:7½ million		
(12) origin of data:  Complete collection of permit sale data. Surveys by questionnaire for kill estimates.		(13) contacts:  Steve Wendt Migratory Bird Branch CWS, Environment Canada 351 St. Joseph Blvd Hull, Quebec K1A 0E7 (819) 997-1121			

AERIAL BIRD COUNTS OF MIGRATORY AND BREEDING BIRDS AND WATERFOWL PRODUCTION

<p>(1) agency name: Migratory Bird Branch Canadian Wildlife Service Environment Canada</p>		<p>(2) date: 1955 - ongoing</p>	<p>(3) periodicity: annually</p>
		<p>(4) area: Man., Sask., Alta., NWT, some forest of Canada</p>	<p>(5) file size:</p>
<p>(6) Keywords: (subject and variables) Waterfowl - population size by species and size, number of wet ponds, 2,000-18 mile long line segments.</p>			
<p>(7) description &amp; features  Estimates of waterfowl populations from aerial surveys in Man., Sask., and Alta.</p>			
<p>(8) geographical identifications Province, region</p>			
<p>(9) storage medium: electronic manual handling with some machine readable</p>	<p>hard copy tables</p>	<p>(10) spatial character:  semi-spatial</p>	
		<p>(11) scale of maps:</p>	
<p>(12) origin of data: Cooperative surveys with U.S. Fish and Wildlife Service</p>		<p>(13) contacts:  Steve Wendt Migratory Birds Branch CWS, Environment Canada 351 St. Joseph Blvd. Hull, Quebec K1A 0E7 (819) 997-1121</p>	

## BIRD BANDING

(1) agency name: Migratory Bird Branch Canadian Wildlife Service Environment Canada		(2) date: 1920's - ongoing	(3) periodicity: annual update of files	(4) area: Canada and U.S.A.	(5) file size: 200,000 per year in Canada
(6) Keywords: (subject and variables) Bird banding, by species, age, sex, location, and recoveries of bands					
(7) description & features Records of all birds banded on recovered in Canada and U.S.A.					
(8) geographical identifications Provinces or states, ten-minute blocks					
(9) storage medium: electronic  magnetic tape		hard copy	(10) spatial character:  point		
			(11) scale of maps:		
(12) origin of data: North American bird banding program		(13) contacts: Steve Wendt Migratory Bird Branch CWS, Environment Canada 351 St. Joseph Blvd. Hull, Quebec K1A 0E7 (819) 97-1121			

## ARCTIC LAND USE RESEARCH - WILDLIFE AND LAND USE MAPPING

(1) agency name: Wildlife Research & Interpretation Branch Canadian Wildlife Service Environment Canada		(2) date: 1971-72	(3) periodicity: N/A
		(4) area: Mackenzie River and Delta, North Yukon	(5) file size:
(6) Keywords: (subject and variables) Wildlife, birds, ranges, land use, ecology			
(7) description & features  Contains Arctic Ecology Map Series (the beginning of Northern Mapping program) and Species Reports especially migratory birds, cariboo, mountain sheep			
(8) geographical identifications  NTS			
(9) storage medium: electronic	hard copy  maps/overlays published maps and reports	(10) spatial character:  areal	(11) scale of maps: 1:250,000
(12) origin of data: Field work - in house		(13) contacts:  Dr. N.S. Novakowski Canadian Wildlife Service Environmental Conservation Service Environment Canada Ottawa, Ontario K1A 0E7 (819) 997-4991	





## FOREST INSECT AND DISEASE SURVEY (FIDS)

(1) agency name: Canadian Forestry Service Research and Technical Services Environment Canada		(2) date: 1977	(3) periodicity: annual update
		(4) area: all Canada by region	(5) file size: 1.3 million records
(6) Keywords: (subject and variables) Forest insect and disease survey locality (Forest district, or division, or drainage division or political sub-division, or FIDS district), UTM grid, stand (description, history, aspect, maturity, age structure, basal area, forest section, cover or sub-type, dominant species, height of dominant trees), land ownership			
(7) description & features Provides broad annual assessments of forest pests, their movements and general effect on forests in Canada. Results mainly used to develop and conduct programs and research in forest protection. Data is collected by six regional units. Analysis also conducted of back records to obtain understanding of pest outbreaks. Part of CLI, FIS conducted since 1936, diseases recorded since approximately 1950.			
(8) geographical identifications UTM grid, locality (i.e. forest district and drainage division), in some instances plot or sample area number, elevation.			
(9) storage medium: electronic  magnetic tape	hard copy	(10) spatial character:  point	(11) scale of maps:
(12) origin of data:  Six regional FIDS units		(13) contacts:  A.G. Davidson Canadian Forestry Service Research and Technical Services 351 St. Joseph Blvd Hull, Quebec K1A 0E7 (819) 997-1357	



## CANADIAN FOREST RESOURCE DATA SYSTEM

(1) agency name:  Forestry Statistics & Systems Branch (FORSTATS) Canadian Forestry Service Environment Canada		(2) date: 1981	(3) periodicity: 5 years	(4) area: Canada	(5) file size:
(6) Keywords: (subject and variables) Forest Inventory: Species, Area, Volumes, Ownership (federal, provincial, private) of lands, Biomass, Forest and Non-forested Land, Water Bodies, River.					
(7) description & features An interactive data storage and retrieval system which replaces the manual Canadian Forest Inventory systems of the past. Definitions and groupings of data standardize provincially produced data permitting nation-wide comparative information. It is a detailed and comprehensive compilation of provincial, territorial, and federal forest inventories. System permits remote access and interactive graphic output. Reference units (cells) are townships. Published summary reports and choropleth maps will continue to be produced.					
(8) geographical identifications  Summary units or cells are predominantly townships (referenced by MTR) or map sheets.					
(9) storage medium: electronic magnetic tape hard disc		hard copy tables maps/overlays		(10) spatial character:  areal	
				(11) scale of maps: Various	
(12) origin of data:  Provincial inventories Territorial inventories Federal (CFS) inventories			(13) contacts:  Dr. Mike Bonnor FORSTATS Forest Statistics & Systems Branch Chalk River, Ontario (613) 589-2880		

CANADIAN FOREST RESOURCE CHANGE SUMMARIES

<p>(1) agency name: Forestry Statistics &amp; Systems Branch (FORSTATS) Canadian Forestry Service Environment Canada</p>		<p>(2) date: 1981</p>	<p>(3) periodicity: on-going</p>
		<p>(4) area: Canada</p>	<p>(5) file size:</p>
<p>(6) Keywords: (subject and variables) Silviculture, Pest-, Fire-, and Harvest loss.</p>			
<p>(7) description &amp; features A manual system to maintain data pertaining to the measurement of the growth/depletion of Canadian Forest Resource Base.</p>			
<p>(8) geographical identifications NTS: provinces</p>			
<p>(9) storage medium: electronic</p>	<p>hard copy  tables maps/overlays</p>	<p>(10) spatial character: areal</p>	
		<p>(11) scale of maps:</p>	
<p>(12) origin of data:  Provincial and in-house research</p>		<p>(13) contacts:  Dr. Mike Bonnor FORSTATS Forest Statistics &amp; Systems Branch Chalk River, Ontario K0J 1J0 (613) 589-2880</p>	

## SATELLITE IMAGE ANALYSIS SYSTEM (ARIES)

(1) agency name: Forestry Statistics & Systems Branch (FORSTATS) Canadian Forestry Service Environment Canada		(2) date:	(3) periodicity:	(4) area: Northern Ontario	(5) file size:
(6) Keywords: (subject and variables) Surveys, forest, wetlands, logging, biophysical					
(7) description & features Interpretation of digital satellite data to map forests and wetlands and to monitor logging operations in Northern Ontario. Information also supports biophysical surveys of Canada's national parks.					
(8) geographical identifications					
(9) storage medium: electronic	hard copy		(10) spatial character:		
			(11) scale of maps:		
(12) origin of data:		(13) contacts: Dr. Mike Bonnor FORSTATS Forest Statistics and Systems Branch Chalk River, Ontario K0J 1J0 (613) 589-2880			

## FIRE MANAGEMENT SYSTEM

(1) agency name:

Forestry Statistics & Systems Branch  
 (FORSTATS)  
 Canadian Forestry Service  
 Environment Canada

(2) date:

(3) periodicity: daily fire  
 occurrence prediction

(4) area: S.W. Quebec

(5) file size:

(6) Keywords: (subject and variables)

Fire growth modelling and resource allocation

(7) description &amp; features

Output consists of tables and graphs up to 20 programs may be run each day at a regional fire control centre.

(8) geographical identifications

(9) storage medium:  
electronic

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Dr. Mike Bonnor  
 FORSTATS  
 Forest Statistics & Systems Branch  
 Chalk River, Ontario  
 K0J 1J0  
 (613) 589-2880

## FIRE WEATHER INDEX SYSTEM

(1) agency name:  FORSTATS Canadian Forestry Service Environment Canada		(2) date:	(3) periodicity: information collected and correlated daily	(4) area: SW Quebec, Ontario	(5) file size:
(6) Keywords: (subject and variables)  Climatological data, wind direction and velocity, precipitation, R.H, temperature.					
(7) description & features  Data entered into tables or computers where it is correlated to produce indications of likely fire occurrence and behaviour for the current and following day, 6 fire-weather indices per station.					
(8) geographical identifications					
(9) storage medium: electronic  magnetic tape		hard copy  tables		(10) spatial character:  point	
(11) scale of maps:					
(12) origin of data:  Provincial and federal weather stations, some for fire purposes only			(13) contacts:  Dr. Mike Bonnor FORSTATS National Forestry Institute Chalk River, Ontario KOJ 1J0 (613) 589-2880		

## SATELLITE FOREST FIRE FUEL MAPPING SYSTEM

(1) agency name: FORSTATS Canadian Forestry Service Environment Canada		(2) date: 1980	(3) periodicity: 5 years	(4) area: SW Quebec	(5) file size:
(6) Keywords: (subject and variables) Broad forest cover types, logging slash areas, roads, Maps - 1:80,000					
(7) description & features Fire control decision makers are provided with general fuel type information					
(8) geographical identifications					
(9) storage medium: electronic	hard copy		(10) spatial character:		
			(11) scale of maps:		
(12) origin of data:			(13) contacts: Dr. Mike Bonnor FORSTATS Forest Statistics & Systems Branch Chalk River, Ontario K0J 1J0 (613) 589-2880		



STRUCTURING OF LAND SYSTEMS WITH THE AID OF THE SYSTEM 2000 + INTEGRATED RESOURCE  
SURVEY OF NAHANNI NATIONAL PARK

(1) agency name:  FORSTATS Canadian Forestry Service Environment Canada		(2) date: 1976	(3) periodicity: N/A
		(4) area: Nahanni National Park Yukon Territory	(5) file size:
(6) Keywords: (subject and variables)  Land systems - aerial photographs, geomorphology mapping, land conditions, bedrock, aspects, elevation, topography, systematic surveys, vegetation, water bodies (limited), forest cover, life zones.			
(7) description & features  Manipulation of ecological inventory data by system 2000; gathering, processing, collating, analysis and map presentation of data from resource survey by standard vegetation and land system line maps with ten themes on 500 m cell computer maps.			
(8) geographical identifications  Latitude and longitude 500 m UTM grid NTS: 1:50,000 map sheets			
(9) storage medium: electronic	hard copy	(10) spatial character:  line	
magnetic tape	tables charts/graphs maps/overlays	areal	
		(11) scale of maps: 1:50,000 1:200,000	
(12) origin of data:  Photo interpretation Field sampling		(13) contacts: Dr. Mike Bonnor FORSTATS Forest Statistics & Systems Branch Chalk River, Ontario K0J 1J0 (613) 589-2880	



## VEGETATION-TERRAIN-PERMAFROST RELATIONSHIPS: EASTERN ARCTIC

(1) agency name:  Northern Forest Research Centre Canadian Forestry Service Environment Canada		(2) date: 1976-1977	(3) periodicity:
		(4) area: Eastern Arctic	(5) file size:
(6) Keywords: (subject and variables)  Vegetation-Terrain-Permafrost-cominant vegetation types, their influence on permafrost. Relationships between vegetation and soil.			
(7) description & features  Data of this kind is essential in the identification of terrain which is sensitive to disturbances by activities related to development.			
(8) geographical identifications  Proposed Polar Gas pipeline corridor from Hayes River to the Manitoba boundary in the District of Keewatin.			
(9) storage medium: electronic	hard copy tables charts/graphs maps/overlays report available	(10) spatial character:	(11) scale of maps:
(12) origin of data:  Field survey	(13) contacts:  S.C. Zoltai Northern Forest Research Centre 5320 - 122 Street Edmonton, Alberta T6H 3S5		



YUKON RENEWABLE RESOURCE AND MANAGEMENT STATISTICS (RRMS)

<p>(1) agency name:  Pacific Forest Research Centre Canadian Forestry Service Environment Canada</p>		<p>(2) date: 1978</p>	<p>(3) periodicity: annual</p>
		<p>(4) area: Yukon Territory</p>	<p>(5) file size:</p>
<p>(6) Keywords: (subject and variables)  Ecological data - resource data, ecoregion tables, cover type tables, fire priority rating zone</p>			
<p>(7) description &amp; features   Retrieves, displays and tabulates available resource data for a given location. Other data files such as wildlife, land use, weather, hydrology etc. may also be implemented. RRMS is capable of displaying results in map form and presenting tabular summaries in Canadian metric units. The line printer mapping feature is currently capable of producing distribution maps of the% of any cover type. Offline graphics system capable of generating color maps on either film or TV screens.</p>			
<p>(8) geographical identifications</p>			
<p>(9) storage medium: electronic  magnetic tape</p>	<p>hard copy</p>	<p>(10) spatial character:  areal</p>	<p>(11) scale of maps: Various</p>
<p>(12) origin of data:  YLFS records and satellite tapes</p>	<p>(13) contacts:  D.R. Macdonald Pacific Forest Research Centre Canadian Forestry Service 506 West Burnside Rd. Victoria, B.C. V8S 1M5 566-3811</p>		

## FOREST RESOURCE MANAGEMENT RESEARCH IN THE YUKON TERRITORY

(1) agency name: Pacific Forest Research Centre Canadian Forestry Service Environment Canada		(2) date: 1975-	(3) periodicity: 1982 continuing	(4) area: Yukon Territory	(5) file size:
(6) Keywords: (subject and variables)  Forestry Resources Yukon - baseline data suitable for integrated resource planning and management and to evaluate and prescribe for reforestation of environmentally sensitive areas.					
(7) description & features  Computes information storage and retrieval, maps produced at 1:250,000 data obtained through remote sensing and field work procedures, including use of GEMS 300.					
(8) geographical identifications					
(9) storage medium: electronic	hard copy		(10) spatial character:		
			(11) scale of maps:		
(12) origin of data:			(13) contacts:  D.R. Macdonald Pacific Forest Research Centre 506 Burnside Rd. West Victoria, B.C. V8Z 1M5 175 - 566-3811		

## MULTI USE CLIMATIC DATA SETS

<b>(1) agency name:</b> Canadian Climate Centre Atmospheric Environment Service Environment Canada		<b>(2) date:</b> variable (some data from before 1900)	<b>(3) periodicity:</b> updated annually	<b>(4) area:</b> over 5000 points nation wide	<b>(5) file size:</b> dependent upon user requirements
<b>(6) Keywords: (subject and variables)</b> Multiuse Climatic Data - meteorological variables (temperatures, pressures, winds, precipitation, solar radiation, evaporation etc) including upper air meteorological variables, marine weather and sea-state, and soil temperatures.					
<b>(7) description &amp; features</b> Data collected hourly or daily with daily, monthly averages, seasonal totals and other statistics available for most commonly used variables; many applications e.g. upper air monitoring, surface weather monitoring, agriculture, forestry, civil and marine engineering.					
<b>(8) geographical identifications</b> Stations identified by geographical coordinates.					
<b>(9) storage medium:</b> electronic  magnetic tape		<b>hard copy</b> tables charts/graphs maps/overlays Others: on paper and microfilm		<b>(10) spatial character:</b> point line (isopleths) areal	
		<b>(11) scale of maps:</b> Various			
<b>(12) origin of data:</b> Meteorological/climatological station network			<b>(13) contacts:</b> Atmospheric Environment Service 4905 Dufferin Street Downsview, Ontario M3H 5T4 Attention: CCAS, Mike Webb (416) 667-4953		

## AGROCLIMATIC CLASSIFICATION OF YUKON, NWT

(1) agency name:  Canadian Climate Centre Atmospheric Environment Service Environment Canada		(2) date: 1976, 77	(3) periodicity: one time	(4) area: Yukon, NWT	(5) file size: 44 maps
(6) Keywords: (subject and variables)  Agroclimatic classification					
(7) description & features  The evaluation of lands in a climatic sense, for agricultural development and practice. Reports to Northern National Resources and Environment Branch, DIAND.					
(8) geographical identifications  NTS maps, point locations					
(9) storage medium: electronic  magnetic tape		hard copy  tables charts/graphs maps/overlays	(10) spatial character: areal (zonation maps)		
			(11) scale of maps: 1:250,000		
(12) origin of data:  Field survey combined with climatological archive			(13) contacts:  M.O. Berry or B.F. Findlay 4905 Dufferin Street Downsview, Ontario M3H 5T4		



CLIMATE OF CANADIAN ARCTIC ISLANDS AND ADJACENT WATERS

<p>(1) agency name:  Canadian Climate Centre Atmospheric Environment Service Environment Canada</p>		<p>(2) date: 1980, 1982</p>
		<p>(3) periodicity: No revision currently scheduled</p>
		<p>(4) area: NWT (excluding mainland)</p>
		<p>(5) file size: 2 volumes, 500 pages each</p>
<p>(6) Keywords: (subject and variables)</p> <p>Climatology: climatic controls, temperature, wind, precipitation, snow cover, sea ice, sea state, aviation weather, invasions, pollution potential, atmospheric phenomena, synoptic system.</p>		
<p>(7) description &amp; features</p> <p>A climatological study emphasizing probability estimates of extremes and durations of critical weather types. A subdivision of the study area into climatic regions is presented.</p>		
<p>(8) geographical identifications</p> <p>Point locations, areal analyses, marine grid for ship data</p>		
<p>(9) storage medium: electronic  magnetic tape</p>	<p>hard copy  tables charts/graphs maps/overlays</p>	<p>(10) spatial character:  point, line, areal</p>
		<p>(11) scale of maps: 1:4,000,000</p>
<p>(12) origin of data:  Climatological archive meteorological literature</p>	<p>(13) contacts: J.B. Maxwell AES 4905 Dufferin Street Downsview, Ontario M3H 5T4</p>	

SELECTED PUBLICATIONS IN CLIMATOLOGY AND APPLIED METEOROLOGY

-BIBLIOGRAPHIC-

(1) agency name:  Canadian Climate Centre Atmospheric Environment Service Environment Canada		(2) date:	(3) periodicity: on-going
		(4) area: Canada	(5) file size: 140 titles
(6) Keywords: (subject and variables) Recreation, tourism, industrial meteorology, Climatic Data; Current, Historical. Climatic Studies; national, regional. Climatic Maps and atlases. Statistical Data. Miscellaneous Norms. Climatic Elements; Upper Air. Climatic Fluctuations and Trends. Hydrometeorology, Liminology.			
(7) description & features This file lists publications available and their costs. Publications include reports, data sheets and periodicals, bibliographic and reference listings. The 13 page list is available from the contact address.			
(8) geographical identifications			
(9) storage medium: electronic	hard copy	(10) spatial character:	
		(11) scale of maps:	
(12) origin of data:		(13) contacts:  Canadian Climate Centre Atmospheric Environment Service Environment Canada 4905 Dufferin Street Downsview, Ontario M3H 5T4 (416) 667-4614, 667-4613	

HAZTRANS (HAZARDOUS MATERIALS IN TRANSPORT)

<p>(1) agency name:                  Contaminants Control Branch                  Environmental Protection Service                  Environment Canada</p>		<p>(2) date: 1976</p>	<p>(3) periodicity: 1979</p>	<p>(4) area:</p>	<p>(5) file size: 3,836 chemicals</p>
<p>(6) Keywords: (subject and variables)</p> <p>Chemical name, synonym or trade name, physical, chemical properties, hazard class, ecological effect rating, bioaccumulation, toxicity and others to total of 74 items.</p>					
<p>(7) description &amp; features</p> <p>The transport and handling of dangerous materials and chemicals - both bibliographic and numeric data relevant to their biological, chemical and physical effects.</p>					
<p>(8) geographical identifications</p> <p>Location and name of chemical manufacturer presently being added.</p>					
<p>(9) storage medium:                  electronic                   on-line</p>		<p>hard copy</p>		<p>(10) spatial character:                   point</p>	
		<p>(11) scale of maps:</p>			
<p>(12) origin of data:                   In-house                  (formerly HAZMAT)                   (see reference manual)</p>			<p>(13) contacts:                  A.D. Pittuck                  Chemical Data Division                  Contaminants Control Branch                  Environment Canada                  Ottawa, Ontario                  K1A 0E7                  (613) 997-1640/997-3450/997-3450</p>		



## NEELS (NATIONAL EMERGENCY EQUIPMENT LOCATOR SYSTEM)

(1) agency name: National Environmental Emergency Centre Environment Emergency Branch Environment Protection Service Environment Canada		(2) date: info. date back to 1973 1974 initiated	(3) periodicity: update as information available	(4) area: Canada wide	(5) file size: 600 inventories
(6) Keywords: (subject and variables) Equipment (Emergency containment and clean-up) known to be available, location (long/lat), telephone number, organization, place, name					
(7) description & features Bibliographic system designed to assist government and industry response organizations by standardizing their spill counter measures inventories and by providing a rapid means for locating equipment in an emergency.					
(8) geographical identifications					
(9) storage medium: electronic inter-active on-line		hard copy		(10) spatial character:	
				(11) scale of maps: Canada	
(12) origin of data: Government departments, oil companies, clean-up contractors			(13) contacts: R.A. Beach, Manager National Environmental Emergency Centre Environmental Emergency Branch Environmental Protection Service Environment Canada Ottawa, Ontario K1A 0E7 (613) 997-3742		

## NATES (NATIONAL ANALYSIS OF TRENDS IN EMERGENCIES SYSTEM)

## - BIBLIOGRAPHIC -

## (1) agency name:

National Environmental Emergency  
Centre  
Environment Emergency Branch  
Environment Protection Service  
Environment Canada

## (2) date: info, back to 1968

1974 data base initiated

## (3) periodicity: updated as info available

## (4) area: Canada wide

## (5) file size: 12,000 records

## (6) Keywords: (subject and variables)

Forty-three fields of information reporting spills of hazardous materials including material name, United Nations reference number, and "cause" and "reason" of spill.

## (7) description &amp; features

Alpha numeric data base - national inventory of accidents involving spills of hazardous materials. Canadian regulations require that every situation involving a spill of hazardous material be reported, however, data for NATES is voluntarily provided by other federal departments and provincial departments.

## (8) geographical identifications

Latitude and longitude

## (9) storage medium:

electronic  
inter-active  
on-line  
(fixed fields)

hard copy

## (10) spatial character:

## (11) scale of maps:

Canada

## (12) origin of data:

Federal and provincial  
government departments

## (13) contacts:

R.A. Beach, Manager  
National Environmental Emergency Centre  
Environmental Emergency Branch  
Environmental Protection Service  
Environment Canada  
Ottawa, Ontario K1A 0E7  
(613) 997-3742

NEIS - NATIONAL EMISSION INVENTORY SYSTEM

- BIBLIOGRAPHIC -

<p>(1) agency name:  Air Pollution Programs Branch Environmental Protection Service Environment Canada</p>		<p>(2) date: 1974</p>	
		<p>(3) periodicity: every two years thereafter &amp; historical data for '55 &amp; '65.</p>	
		<p>(4) area: National, Provincial, County</p>	
		<p>(5) file size: City and Grid (127 km) 532 plans (point source) and area source sectors.</p>	
<p>(6) Keywords: (subject and variables) Plant name, location, longitude and latitude, grid, personnel to contact, standard industrial classification, stack height, diameter, temperature of emitting gas and control equipment, emission source description, base quantities, emission factor, pollutants, etc.</p>			
<p>(7) description &amp; features  (Bibliographic and numeric information pertaining to air emissions in Canada) Characterization and quantification of atmospheric emission sources in Canada</p>			
<p>(8) geographical identifications  Lat/long., grid</p>			
<p>(9) storage medium: electronic key punch cards magnetic tape</p>		<p>hard copy</p>	
		<p>(10) spatial character: point areal</p>	
		<p>(11) scale of maps: Canada</p>	
<p>(12) origin of data:  Questionnaires, Statistics Canada publications, air pollution literature, regional contact, census survey of 1971, etc.</p>		<p>(13) contacts:  Frank Vena, Head National Emissions Inventory System Air Pollution Control Directorate Environment Canada Ottawa, Ontario K1A 0E7 Ph: 997-3352</p>	

## NAPS (NATIONAL AIR POLLUTION SURVEILLANCE)

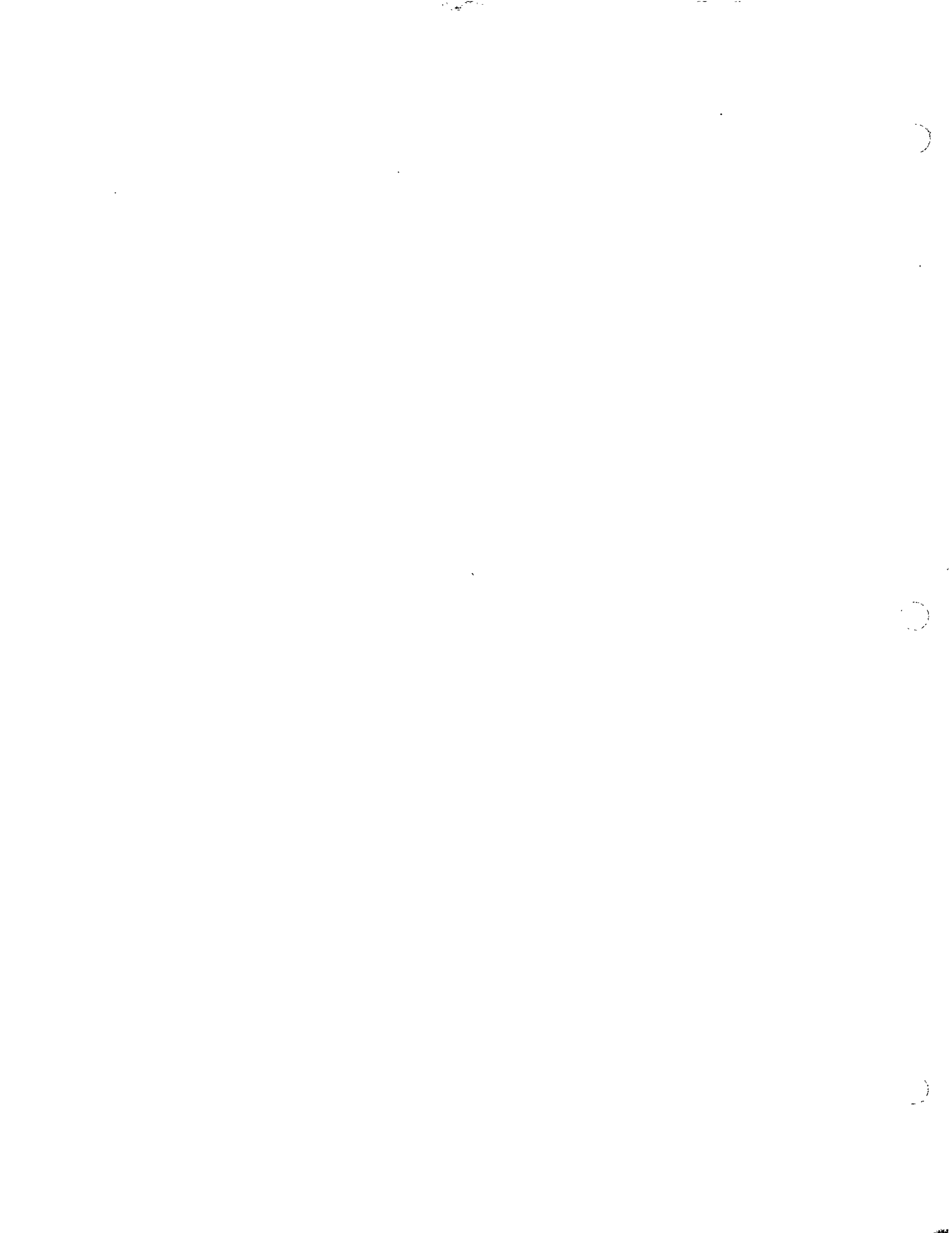
(1) agency name:  Air Pollution Programs Branch Environmental Protection Service Environment Canada		(2) date: 1970	(3) periodicity: Updated monthly
		(4) area: 55 cities in Canada 161 sampling sites	(5) file size: 15 x 10 <sup>6</sup> data points
(6) Keywords: (subject and variables)  Station number, address, sampling period, pollutant type, hourly, daily or monthly concentration			
(7) description & features  Numeric data base of information relating to ambient air concentrations of nine air pollutants in urban areas of Canada.			
(8) geographical identifications  Address, latitude, longitude, UTM Co-ords, elevation, land use description			
(9) storage medium: electronic  magnetic tape	hard copy  monthly and annual summaries published since 1970	(10) spatial character:	
		(11) scale of maps:	
(12) origin of data:  Ongoing field monitoring program.		(13) contacts:  Thomas Dann Pollution Measurement Division Air Pollution Control Directorate Environmental Protection Service Environment Canada, River Road Labs, Ottawa, Ontario (613) 998-4662	



CANADIAN AIR POLLUTION TECHNICAL INFORMATION SYSTEM

-BIBLIOGRAPHIC-

<p>(1) agency name:</p> <p>Air Pollution Control Directorate          Technical Information System          Environmental Protection Service          Environment Canada</p>		<p>(2) date: info. avail. from 1965          data base in existence since 1973</p> <p>(3) periodicity: updated          continuously</p> <p>(4) area:</p> <p>(5) file size: 20,000</p>
<p>(6) Keywords: (subject and variables)</p> <p>Author, citation, subjects</p>		
<p>(7) description &amp; features</p> <p>Information relating to air pollution, bibliographic data base</p>		
<p>(8) geographical identifications</p>		
<p>(9) storage medium:</p> <p>electronic</p> <p>on-line tapes          fixed fields</p>	<p>hard copy</p>	<p>(10) spatial character:</p> <p>(11) scale of maps:          Canada</p>
<p>(12) origin of data:</p>	<p>(13) contacts:</p> <p>Mary Frances Laughton          Technical Information Section          Air Pollution Control Directorate          Environment Canada          Ottawa, Ontario K1A 0E7          Ph: 994-0284</p>	



## WATENIS - NIPS (National Inventory of Pollution Sources)

## (1) agency name:

Water Pollution Control Directorate  
Environmental Protection Service  
Environment Canada

(2) date: 1976

(3) periodicity: updated on a  
continuous basis

(4) area: All Canada

(5) file size: Approximately 500  
industrial plants

## (6) Keywords: (subject and variables)

Inventory - industrial sectors - products - type of process - water effluent  
quality - type of treatment

## (7) description &amp; features

Uses System 2000 data base management system - updates and retrievals done in  
both interactive and batch modes - distributed data processing used in data  
collection - operates on (TRW mini-computers for data collection ) E.M.R. Cyber 7  
70 computers

## (8) geographical identifications

Identification is by province - latitude/longitude - Water Survey of Canada basin  
codes - provincial receiving water body codes.

## (9) storage medium:

electronic  
hard disc

hard copy

## (10) spatial character:

point

## (11) scale of maps:

## (12) origin of data:

Data originates and is  
processed in regions and  
transmitted to E.M.R.  
installation.

## (13) contacts:

Anand Aggarwal, Chief  
Data Management & Analysis Division  
Water Pollution Control Directorat  
Environment Canada, 13th Floor, PVM  
Ottawa, Ontario K1A 0E7

WATENIS - OCEANDUMPING (Ocean Dumping Permit System)

<p>(1) agency name:                  Water Pollution Control Directorate                  Environmental Protection Service                  Environment Canada</p>		<p>(2) date: 1980</p>	<p>(3) periodicity: updated on a                  continuous basis</p>
		<p>(4) area: Canadian Coastal regions</p>	<p>(5) file size: approximately 1300                  permits since 1976</p>
<p>(6) Keywords: (subject and variables)</p> <p>Canada Gazette permit number - permit type - material dumped - load and dump sites - monitoring information.</p>			
<p>(7) description &amp; features</p> <p>Uses System 2000 data base management system - updates and retrievals done in both interactive and batch modes - operates on E.M.R. Cyber 70 computers</p>			
<p>(8) geographical identifications</p> <p>Latitude/longitude identification of load and dump sites.</p>			
<p>(9) storage medium:                  electronic                   hard disc</p>	<p>hard copy</p>	<p>(10) spatial character:                   point</p>	<p>(11) scale of maps:</p>
<p>(12) origin of data:                   Data originates and is processed in coastal regions and is entered from regions interactively</p>	<p>(13) contacts:                   Anand Aggarwal, Chief                  Data Management &amp; Analysis Division                  Water Pollution Control Directorate                  Environment Canada, 13th floor, PVM                  Ottawa, Ontario                  K1A 0E7</p>		

## WATENIS-MUNDAT (National Inventory of Municipal Waterworks and Wastewater Systems)

## (1) agency name:

Water Pollution Control Directorate  
Environmental Protection Service  
Environment Canada

(2) date: 1975

(3) periodicity: Updated annually  
by province

(4) area: All Canada

(5) file size: Approximately 3000  
municipalities

## (6) Keywords: (subject and variables)

Inventory - Water Supply and Wastewater treatment facilities -  
Capacity - treatment types - quality of wastewater

## (7) description &amp; features

Uses System 2000 data base management system - updates and retrievals done in both  
interactive and batch modes - operates on E.M.R. Cyber 70 computers.

\*\* Publication of data base information done regularly.

## (8) geographical identifications

Standard geographical classification codes developed by Statistics Canada are  
used to identify municipalities - Water Survey of Canada codes identify  
watersheds.

(9) storage medium:  
electronic

hard copy

(10) spatial character:

point

hard disc

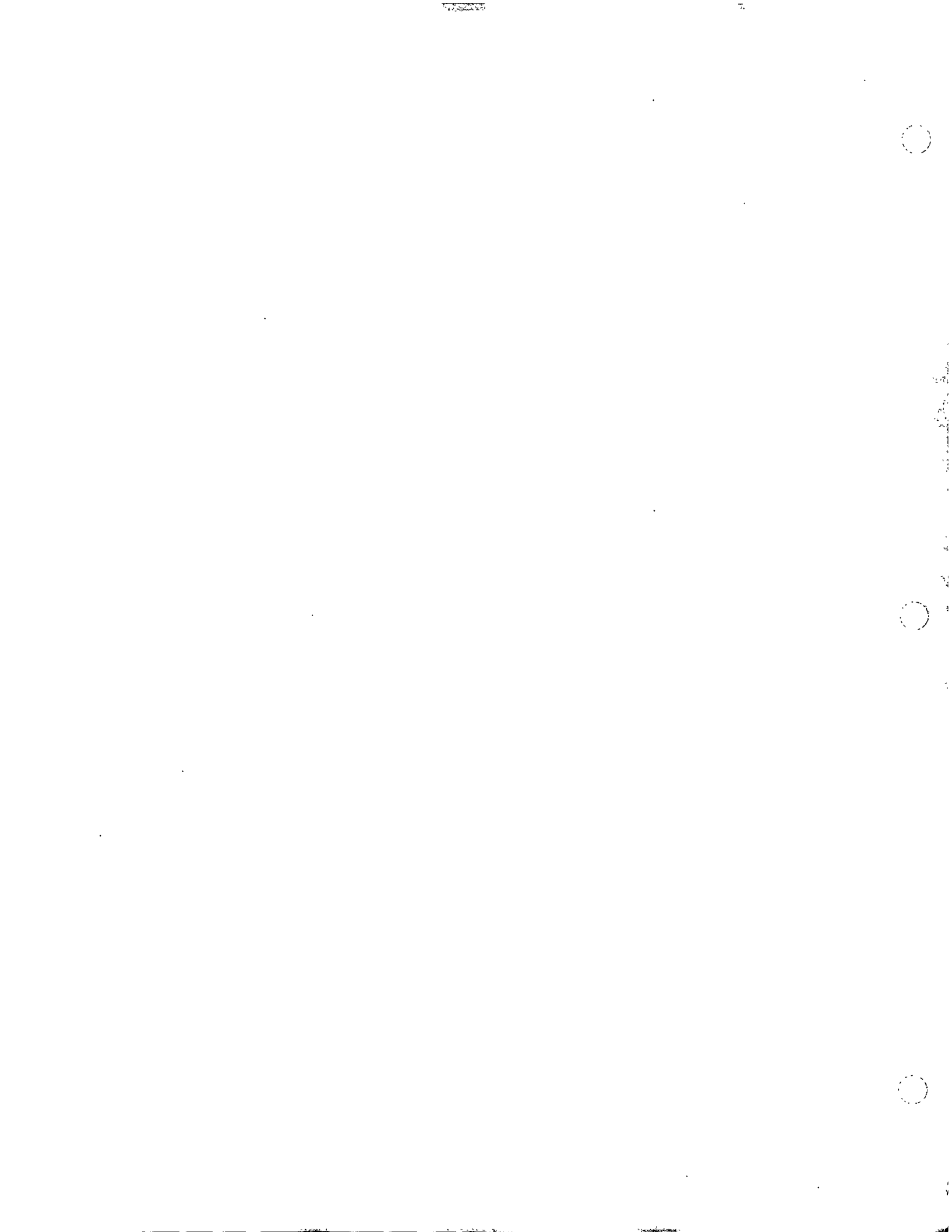
(11) scale of maps:

## (12) origin of data:

Original data was collected by  
province using a questionnaire  
designed in conjunction with  
Statistics Canada

## (13) contacts:

Anand Aggarwal, Chief  
Data Management & Analysis Division  
Water Pollution Control Directorate  
Environment Canada, 13th Floor, PVM  
Ottawa, Ontario K1A 0E7



## YUKON RIVER: CITY OF WHITEHORSE STUDY

(1) agency name:  Yukon District Office Environmental Protection Service Environment Canada		(2) date: 1977	(3) periodicity: ongoing	(4) area: Yukon/Alaska	(5) file size:
(6) Keywords: (subject and variables)  Impact of sewage on Yukon River, water samples, bottom fauna samples, raw sewage					
(7) description & features  Data should provide information useful in assessing effectiveness of the lagoon sewage treatment process as set up for Whitehorse and the impact on a cold water river.					
(8) geographical identifications  Yukon River downstream of Whitehorse, Yukon as far as Lake Laberge					
(9) storage medium: electronic	hard copy  tables charts/graphs		(10) spatial character:		
			(11) scale of maps:		
(12) origin of data:  In house field survey		(13) contacts:  Doug Kittle Project Biologist Environment Canada: EPS Room 225, Federal Building Whitehorse, Y.T. Y1A 2B5 (403) 667-6487			

## STUDY OF THE IMPACT OF THE YUKON RIVER ON LAKE LABERGE

(1) agency name:  Yukon District Office Environmental Protection Service Environment Canada		(2) date: Mah 1978	(3) periodicity: 1979
		(4) area: Lake Laberge, Yukon	(5) file size:
(6) Keywords: (subject and variables)  Water quality parameters; metals, nutrients, coliform bacteria, bathymetric map, aerial photos			
(7) description & features  Downstream impact of the City of Whitehorse on cold water lake.			
(8) geographical identifications			
(9) storage medium: electronic	hard copy  tables charts/graphs maps/overlays	(10) spatial character:	(11) scale of maps:
(12) origin of data:  In-house field survey	(13) contacts:  Mary Jacks Project Biologist Environment Canada: EPS Room 225, Federal Building Whitehorse, Y.T. (403) 667-6487		



YELLOWKNIFE DUSTFALL PROGRAM

<p>(1) agency name: Environmental Protection Service District Office (Yellowknife)</p>		<p>(2) date: June 1978</p>
		<p>(3) periodicity: once/30 days</p>
		<p>(4) area: Yellowknife</p>
		<p>(5) file size: 1 file approximately 100 pages</p>
<p>(6) Keywords: (subject and variables) Dustfall, bucket, station</p>		
<p>(7) description &amp; features 13 dustfall stations set up around Yellowknife are sampled every 30 days and sent to EPS laboratory in Edmonton for analysis.</p>		
<p>(8) geographical identifications City of Yellowknife and surrounding area (selected sites)</p>		
<p>(9) storage medium: electronic</p>	<p>hard copy tables</p>	<p>(10) spatial character: point</p>
		<p>(11) scale of maps:</p>
<p>(12) origin of data: Field survey</p>	<p>(13) contacts: Timothy B. Evans Environmental Protection Service NWT District Office Box 370, Yellowknife, N.W.T. X1A 2N3 873-3456</p>	

## MACKENZIE RIVER HERBICIDE SPRAYING

(1) agency name: Environmental Protection Service Yellowknife District Office Environment Canada		(2) date: September -	(3) periodicity: December 1978 Fort Providence Ferry	(4) area: Crossing, Whitlock Island Ranges, Mills Lake	(5) file size: two files - several hundred pages each
(6) Keywords: (subject and variables) Soil, sediment, water, mammal tissue, samples, environmental impact of herbicide "Estemine Brushkiller" (Dioxin) on the Mackenzie River and surrounding land.					
(7) description & features Five soil samples were taken from 6 selected stations chosen with regard to their proximity to dead bush. A garden trowel was used to remove top 6 cm of soil, samples were then placed in sterile plastic bags and frozen. Four sediment samples were taken from Mackenzie. No mammal tissue samples were taken.					
(8) geographical identifications Fort Providence Ferry Crossing, km 65 north and south landings Whitlock Island Ranges, km 85.9 and km 88.4 Mills Lake km 104.8.					
(9) storage medium: electronic	hard copy typed files and reports		(10) spatial character: semi-spatial		
		(11) scale of maps:			
(12) origin of data: field survey		(13) contacts: Manager, Protection and Surveillance Environment Canada - Env. Prot. Branch NWT District Office P.O. Box 2310 Yellowknife, N.W.T. 873-3456			

FEDERAL LAND HOLDINGS INVENTORY (For inclusion in CLDS)

<p>(1) agency name: Lands Directorate Environmental Conservation Service Environment Canada</p>		<p>(2) date:</p>	<p>(3) periodicity: annual, project still in progress (spring '81)</p>
		<p>(4) area: All Canada - federal land holdings</p>	<p>(5) file size: approx. 675 maps</p>
<p>(6) Keywords: (subject and variables) Federal lands - location, tenure, use, site area, federal land holdings.</p>			
<p>(7) description &amp; features Location of federal land holdings in Canada are linked to Canada Real Property Index, CRPI, (See PW1/1) which holds information on ownership, tenure, use date of acquisition and site area, information mapped at a scale of 1:250,000 urban areas at 1:50,000 includes both point and polygon data.</p>			
<p>(8) geographical identifications NTS</p>			
<p>(9) storage medium: electronic magnetic tape CLDS</p>	<p>hard copy maps/overlays</p>	<p>(10) spatial character:</p>	
		<p>(11) scale of maps: 1:50,000, 1:250,000</p>	
<p>(12) origin of data:</p>		<p>(13) contacts: Gerry Lee Federal Land Services Division Lands Directorate Environment Canada Ottawa, Ontario K1A 0E7 997-2470</p>	

## MINING, LAND USE, AND THE ENVIRONMENT

(1) agency name: Lands Directorage Environmental Conservation Service Environment Canada		(2) date: 1979	(3) periodicity:
		(4) area: Canada	(5) file size:
(6) Keywords: (subject and variables) Mining, degradation, reclamation			
(7) description & features Data related to the nature and extent of land degradation processes attributable to mining, their effects on neighbouring land resources, potential for conflict and progress on reclamation.			
(8) geographical identifications			
(9) storage medium: electronic	hard copy  publication tables	(10) spatial character:	
		(11) scale of maps:	
(12) origin of data:		(13) contacts:  Ian Marshall Federal Land Services Division Lands Directorate Environment Canada Ottawa, Ont K1A 0E7  (613) 997-2470	

## BRITISH COLUMBIA AGRICULTURAL LAND RESERVE IMPACT DATA SET

(1) agency name: Lands Directorate Environmental Conservation Service Environment Canada		(2) date: 1976	(3) periodicity: once
		(4) area: 12 regions of B.C.	(5) file size: 803 individuals 150 variables
(6) Keywords: (subject and variables)  Rural land use, agricultural land reserves, zoning, impact.			
(7) description & features  150 variables for 803 individuals in 12 areas of B.C. focusing on response to Agricultural Land Reserves. Contains social, economic, land use information as well as behavioral variables.			
(8) geographical identifications  By region in B.C.			
(9) storage medium: electronic Publication Land Use in Canada #13	hard copy	(10) spatial character:  point	(11) scale of maps:
(12) origin of data:  Questionnaire	(13) contacts:  Dr. E.W. Manning Land Policy Analysis Division Land Directorate Environment Canada Ottawa, Ontario K1A 0E7 (819) 997-2100		

## CANADA'S CITIES AND THEIR SURROUNDING RESOURCE LANDS (NCLI SERIES)

## (1) agency name:

Lands Directorate  
Environmental Conservation Service  
Environment Canada

## (2) date: February 1979

## (3) periodicity: one time publication

(4) area: Urban peripheral zones  
across Canada(5) file size: Raw data available on  
each of 23 cities

## (6) Keywords: (subject and variables)

Land use, land capability, agricultural land capability, urban growth.

## (7) description &amp; features

Interpretive report based on national data for agricultural land capability tabulated on a series of circles of varying radii for Canada's 23 largest cities. Alternatives to channel urban growth away from prime agricultural lands are discussed.

## (8) geographical identifications

9 circles of varying radii whose centroids are city centres. Circle radii are: 8, 16, 24, 32, 40, 56, 80, 121, 161 kilometres.

(9) storage medium:  
electronic

magnetic tape

## hard copy

tables  
published report

## (10) spatial character:

semi-spatial

## (11) scale of maps:

Not applicable

## (12) origin of data:

Canadian Land Inventory,  
Land Capability for Agriculture

## (13) contacts:

V.P. Neimanis  
Land Planning Analysis Division  
Lands Directorate  
Environment Canada  
Ottawa, Ontario  
K1A 0E7  
(819) 997-2100

FEDERAL IMPACT ON FRUITLANDS

<p>(1) agency name:  Lands Directorate Environmental Conservation Service Environment Canada</p>		<p>(2) date:</p> <p>(3) periodicity: One time</p> <p>(4) area: Okanagan Valley, B.C. Niagara Region, Ont., Kings County, N.S., Montreal Region, Québec</p> <p>(5) file size:</p>
<p>(6) Keywords: (subject and variables) National overview of fruit industry: physical base: climate, soil patterns, where fruit can be grown. Seven identified fruit growing areas - level of production, types of fruit, historical trends. Case Studies: Niagara, Okanagan, Annapolis Valley and issues, federal role in problems, role of other government levels in problems: 1. Land availability: Nature and uniqueness of fruitland. Land required for urban development. Farm size, fragmentation. Land prices. Alternatives: Planning controls, federal impacts. 2. Farm viability: New varieties. Labour availability, cost. Technology and management. Capital and income. Federal role. 3. Marketing: Market systems and changes. Supply/demand, marketable varieties. Import competition. Processing industry. Federal role. Conclusions: Federal involvement in fruit industry-extent. Beneficial effects and negative effects of existing federal programs government; efforts needed to preserve the fruitlands.</p>		
<p>Description &amp; features: A compendium of secondary information and data on and related to Canada's fruitlands. Information not intended as a library type reference base. It is being used by Lands' officers to compile a National Overview of the Impact of Federal Government on Fruitlands in Canada. Only the three working papers on the Niagara, Okanagan and Annapolis regions and the final report in the Land Use in Canada series will be available for distribution.</p>		
<p>(8) geographical identifications</p>		
<p>(9) storage medium: electronic</p>	<p>hard copy  working papers</p>	<p>(10) spatial character:</p> <p>(11) scale of maps:</p>
<p>(12) origin of data:</p>	<p>(13) contacts:  E.W. Manning, W.K. Bond, P.D. Bircham Land Planning Analysis Division Lands Directorate Environment Canada Ottawa, Ontario K1A 0E7 (819) 997-2100</p>	

## SAUGEEN REGION SOCIO ECONOMIC &amp; L.U. CHANGE DATA

(1) agency name:  Lands Directorate Environmental Conservation Service Environment Canada		(2) date: 1952, 1967, 1976, 1978	(3) periodicity: As above (finished)
		(4) area: Saugeen Valley Conserva- tion Authority (Ontario)	(5) file size: 3 Land Use Series @ 1:50,000, 1 Questionnaire survey of 480 respondents
(6) Keywords: (subject and variables)  Land Use Land Use Change Socio-economic and Land Use Survey (Questionnaire)			
(7) description & features This data set has land use information (various classifications) for 1952, 67 and 76, mounted on the CLDS for overlay enabling land use change analysis. Associated is Census data, and a 1½ hr. interview questionnaire on land owner's land use, socio-economic situation, land use changes, problems and intentions. This ws used in a study of agricultural land use changes and their causes and consequences.			
(8) geographical identifications  The Saugeen Valley is composed of 21 townships in S. Central Ont. (Bruce, Grey and Wellington Counties). The census information is by Township, the mapping is area, and the questionnaire random.			
(9) storage medium: electronic  magnetic tape (questionnaire)	hard copy  maps/overlays CLDS	(10) spatial character: semi-spatial; census point; questionnaire (random) areal; land-use mapping	
		(11) scale of maps: 1:50,000	
(12) origin of data: 1952 - Saugeen Valley Conservation Authority Report 1967 - Canada Land Inventory Land Use 1976 - Special Survey, Lands Directorate Ontario Regin 1978 - Questionnaire - Lands Directorate Policy Analysis Division		(13) contacts:  J.D. McCuaig, E.W. Manning Lands Directorate Environment Canada Ottawa, Ontario K1A 0E7 (819) 997-2470, 997-2100	



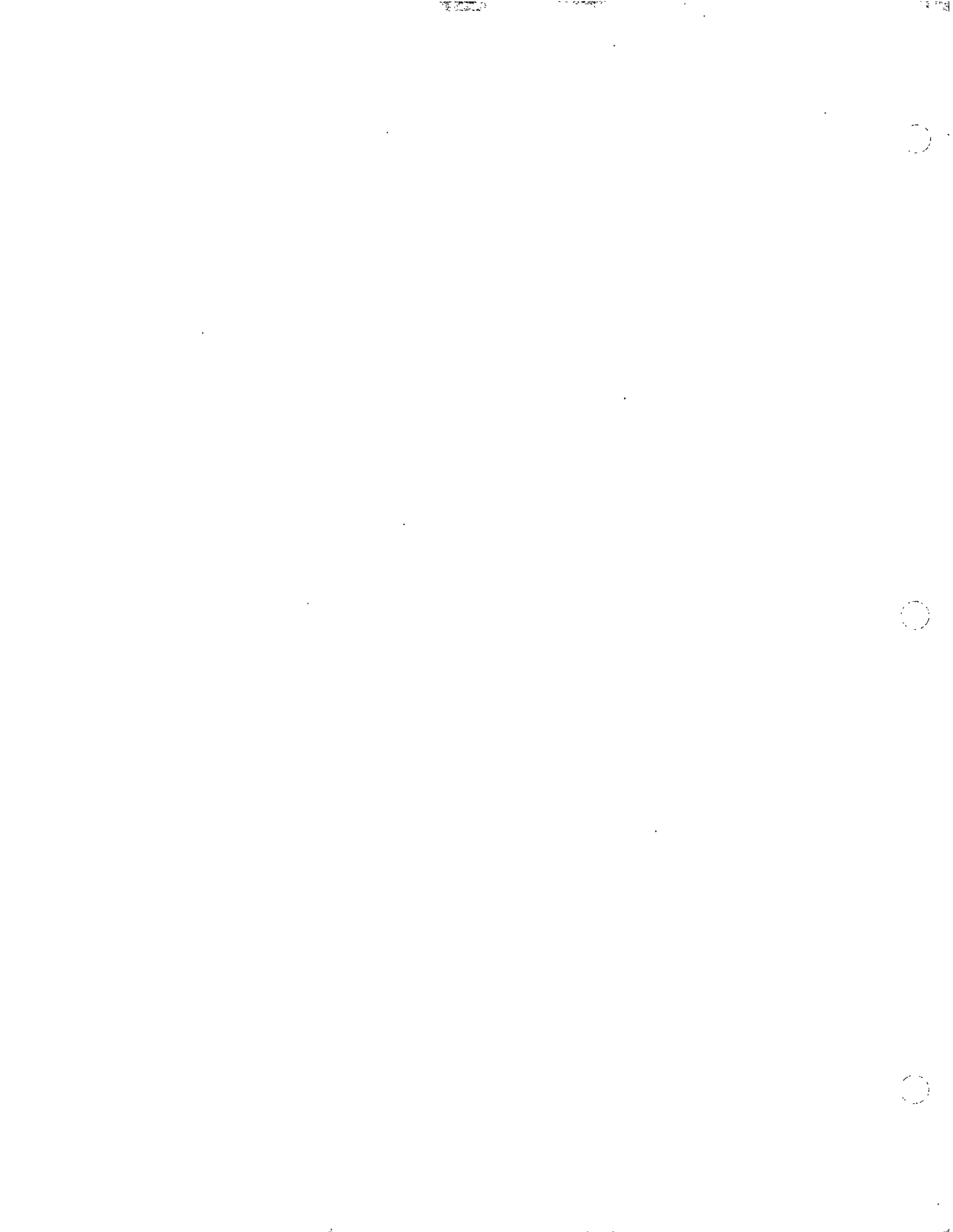
## NATIONAL DATA SET FOR RURAL/AGRICULTURAL DATA (Time-Series)

(1) agency name:  Lands Directorate Environmental Conservation Service Environment Canada		(2) date: Census year 1961 on	(3) periodicity: 5 years	(4) area: Canada wide	(5) file size: 229 regions, 150 variables SPSS System file
(6) Keywords: (subject and variables) Time series, uniform area census data from 1961 to 1981 Agricultural Census, Population Census Land Use Change Industry and Forestry Pending					
(7) description & features  This data set provides 229 regions in Canada, roughly equal to Census Districts with data comparable over 20 years and 5 censuses (1981 pending). This enables accurate time series analysis without the usual boundary and definitional problems. At present, the system is primarily agricultural, with forestry, population and industrial data being considered.					
(8) geographical identifications  Canada - wide - 229 areas similar to Census Districts or Counties					
(9) storage medium: electronic  magnetic tape SPSS System file	hard copy		(10) spatial character: semi-spatial	(11) scale of maps: NA	
(12) origin of data:  Census of Canada (Agriculture and Population) Data manipulation by Lands Directorate for uniformity of boundary			(13) contacts:  J.D. McCuaig, E.W. Manning Land Planning Analysis Division Lands Directorate Environment Canada Ottawa, Ontario K1A 0E7 (819) 997-2470, 997-2100		



NORTHERN LAND USE INFORMATION SERIES

<p>(1) agency name:</p> <p>Lands Directorate          Environmental Conservation Service          Environment Canada <u>and</u>          Northern Environment          Indian Affairs and Northern Development</p>		<p>(2) date: Program initiated in 1971</p>	<p>(3) periodicity: Annual cycle covering new areas</p>	<p>(4) area: Yukon and N.W.T.</p>	<p>(5) file size: 245 maps and descriptive texts; several related handbooks</p>
<p>(6) Keywords: (subject and variables)</p> <p>Environmental data, land use, inventory, ecological overview, socio-economic information, wildlife, fish resources, native land use, historical sites, non-renewable resources, community descriptions, significant ecological sites, conservation areas, boundaries.</p>					
<p>(7) description &amp; features</p> <p>Systematic environmental-socio research and information program for northern Canada. Reconnaissance level information base to facilitate comprehensive regional planning and application of the Territorial land use regulations. Information is published on NTS maps at the scale of 1:250,000.</p>					
<p>(8) geographical identifications</p> <p>All Yukon and Northwest Territories to be completed.</p>					
<p>(9) storage medium: electronic</p>	<p>hard copy maps/overlays</p>		<p>(10) spatial character: areal</p>		
			<p>(11) scale of maps: 1:250,000</p>		
<p>(12) origin of data:</p> <p>Federal and Territorial Government departments, agencies, contractors, local residents, various field surveys to supplement existing information.</p>			<p>(13) contacts:</p> <p>Garry G. McLean          Program Coordinator          Land Use Information Series          Environment Canada          Ottawa, Ontario          K1A 0E7          997-2240</p>		



## URBANIZATION OF RURAL LAND IN CANADA: 1966-71 and 1971-76

**(1) agency name:**

Lands Directorate  
 Environment Conservation Service  
 Environment Canada

**(2) date:****(3) periodicity:****(4) area:****(5) file size:****(6) Keywords: (subject and variables)**

Land conversion: rural land, land use classes, agricultural capability,  
 outdoor recreation, waterfowl capability, ungulate capability, urban areas.

**(7) description & features**

Includes description of methodology, summary of highlights and tables

**(8) geographical identifications****(9) storage medium:**  
electronic

hard copy  
 tables  
 published report

**(10) spatial character:****(11) scale of maps:****(12) origin of data:****(13) contacts:**

Leigh Warren or Paul Rump  
 Land Use Monitoring Division  
 Lands Directorate  
 Environment Canada  
 20th Floor, Place Vincent Massey  
 Hull, Quebec  
 K1A 0E7  
 (819) 997-2240



## ECODISTRICT DATA SET (IN CLDS)

(1) agency name:  Lands Directorate Environmental Conservation Service Environment Canada		(2) date:	(3) periodicity: ongoing
		(4) area: Ontario & Quebec (tentatively for all Canada)	(5) file size: currently 31 (1:M) maps, 76 for all Canada by 1982
(6) Keywords: (subject and variables)  Ecological data - site specific, geocoded ecological data, land planning, soils, vegetation, climate, terrain, geomorphology, water, topography			
(7) description & features  Analysis and reporting of ecological data for national and regional sensitivity and impact assessment. Data set features 34 criteria, each with variables for the delineation of ecodistricts. Tentative development of an overall terrestrial sensitivity scheme for evaluation of LRTAP impact.			
(8) geographical identifications			
(9) storage medium: electronic  magnetic tape	hard copy	(10) spatial character:	
		(11) scale of maps:	
(12) origin of data:		(13) contacts:  E.B. Wiken, Chief Ecological Land Evaluation & Classification Division Lands Directorate 20th Flor, PVM Hull, Quebec K1A 0E7 997-2320	

## NATIONAL PERSPECTIVES ENVIRONMENTAL DATA SET (IN CLDS)

## (1) agency name:

Lands Directorate  
Environmental Conservation Service  
Enviromment Canada

## (2) date:

(3) periodicity: 1 time publication

(4) area: Canada

(5) file size: 10 maps 1:15 M

## (6) Keywords: (subject and variables)

Generalized ecological data - soils, physiography, surficial geology, vegetation, rainfall, temperature, permafrost, provincial boundaries, highly sensitive watersheds to acid rain, mean annual pH of precipitation.

## (7) description &amp; features

Data set features maps of distribution of ecological variables

## (8) geographical identifications

(9) storage medium:  
electronic  
magnetic tape

hard copy

(10) spatial character:

(11) scale of maps:

## (12) origin of data:

## (13) contacts:

C. Rubec, Research Officer  
Ecological Land Evaluation and  
Classificatin Division  
Lands Directorate  
Environment Canada  
20th Floor, PVM  
Hull, Quebec  
K1A 0E7 997-2320



ECOREGIONS OF CANADA (IN CLDS)

<p>(1) agency name: Lands Directorate Environmental Conservation Service Environment Canada</p>		<p>(2) date: 1979</p>
		<p>(3) periodicity: 1 time publication</p>
		<p>(4) area: Canada</p>
		<p>(5) file size: 11 maps 1:15 M</p>
<p>(6) Keywords: (subject and variables)</p> <p>Generalized ecological data-soils, physiography, surficial geology, vegetation, rainfall, temperature, permafrost, provincial boundaries, highly sensitive watersheds to acid rain, mean annual pH of precipitation.</p>		
<p>(7) description &amp; features</p> <p>Data set features maps of distribution of ecological variables.</p>		
<p>(8) geographical identifications</p>		
<p>(9) storage medium: electronic  magnetic tape</p>	<p>hard copy  maps/overlays</p>	<p>(10) spatial character:  areal</p>
		<p>(11) scale of maps:</p>
<p>(12) origin of data:  National Atlas Maps</p>	<p>(13) contacts: C. Rubec, Research Officer Ecological Land Evaluation and Classification Division Lands Directorate Environment Canada 20th Floor, PVM Hull, Quebec, K1A 0E7 997-2320</p>	

NATIONAL PERSPECTIVES ENVIRONMENTAL DATA SET (IN CLDS) ECRGN

(1) agency name:

Lands Directorate  
 Environmental Conservation Service  
 Environment Canada

(2) date: 1979

(3) periodicity: 1 time publication

(4) area: Canada

(5) file size: 10 maps 1:15 M

(6) Keywords: (subject and variables)

Generalized ecological data - soils, physiography, surficial geology, vegetation, rainfall, temperature, permafrost, provincial boundaries, highly sensitive watersheds to acid rain, mean annual pH of precipitation.

(7) description & features

Data set features maps of distribution of ecological variables

(8) geographical identifications

(9) storage medium:

electronic  
 magnetic tape

hard copy  
 maps/overlays

(10) spatial character:

areal

(11) scale of maps:

1:15,000,000

(12) origin of data:

National Atlas Maps

(13) contacts:

C. Rubect, Research Officer  
 Ecological Land Evaluation and  
 Classification Division  
 Environment Canada  
 20th Floor, PVM  
 Hull, Quebec  
 K1A 0E7  
 997-2320

## LAND USE SECTIONS - SOUTHWESTERN MANITOBA DATA SET (IN CLDS)

(1) agency name:  Lands Directorate Environmental Conservation Service Environment Canada		(2) date:	(3) periodicity: Complete
		(4) area: Southwestern Manitoba	(5) file size: OIC 4 NTS map sheets 62G, 62J
(6) Keywords: (subject and variables)  Land Use - land use, soils, remote sensing, sections			
(7) description & features  Land use and land capability maps are correlated with soil maps and land use sections (interpreted using Landsat imagery) to explore use of Canada Land Data System for land use section analysis.			
(8) geographical identifications			
(9) storage medium: electronic  magnetic tape	hard copy  maps/overlays	(10) spatial character:  areal	
		(11) scale of maps: 1:250,000	
(12) origin of data:		(13) contacts:  C. Rubec, Research Officer Ecological Land Evaluation and Classification Division Environment Canada 20th Floor, Place Vincent Massey Hull, PQ K1A 0E7 997-2320	

LAND USE: NEEPAWA AREA DATA SET (CLDS)

(1) agency name:

Lands Directorate  
Environmental Conservation Service  
Environment Canada

(2) date: 1978

(3) periodicity: Complete 1970-76

(4) area: Neepawa Area, Manitoba

(5) file size: 2 maps 1:50,000  
NTS 62J/3

(6) Keywords: (subject and variables)

Land use inventory, change detection

(7) description & features

Evaluates land use monitoring capability of LANDSAT digital data handling  
(part of a study)

(8) geographical identifications

(9) storage medium:  
electronic

magnetic tape

hard copy

maps/overlays

(10) spatial character:

areal

(11) scale of maps:

1:50,000

(12) origin of data:

Land Use from NAPL  
photography interpretation

(13) contacts:

C. Rubect, Research Officer  
Ecological Land Evaluation and  
Classification Division  
Lands Directorate  
Environment Canada  
20th Floor, PVM  
Hull, PQ K1A 0E7  
997-2320

## CANADA LAND DATA SYSTEM (CLDS)

(1) agency name:  Lands Directorate Environmental Conservation Service Environment Canada		(2) date:	(3) periodicity: updated as info becomes available
		(4) area: Canada wide	(5) file size: 3,500 maps, 100 single sector data sets
(6) Keywords: (subject and variables)  CLI (Canada Land Inventory) Land Capability: agriculture, forestry, recreation sportfish, wildlife. Present and potential land use. Census, watershed, ecological and other thematic data.			
(7) description & features Data system with an analytical capability transforms CLI and other thematic data to a digital representation for analysis. Links between land capability and other physical or socioeconomic factors are made possible by an unlimited capability for cross-sectoral analyses.			
(8) geographical identifications  NTS grid, UTM grid			
(9) storage medium: electronic  magnetic tape hard disc NTS sheets	hard copy	(10) spatial character: point, line, areal	(11) scale of maps: Various
(12) origin of data:  Various	(13) contacts:  Chief Canada Land Data Systems Division Lands Directorate 21st Floor, Place Vincent Massey 351 St. Joseph Blvd. Hull, Quebec K1A 0E7 (819) 997-2510		

## AGRICULTURE (CLDS)

## (1) agency name:

Lands Directorate  
Environmental Conservation Service  
Environment Canada

(2) date: 1968

(3) periodicity: completed

(4) area: Canada

(5) file size: 283 maps

## (6) Keywords: (subject and variables)

Soil capability for agriculture - classifications 1-7, CLI, Canada Land Inventory

## (7) description &amp; features

Part of the Canada Land Data System, National Land Data Base on agricultural capability study based upon mineral soil classifications with groups 1 to 4 suitable for crops, 5-6 for perennial grazing crops only and 7 unsuitable for agriculture. Data available for the southern half of Canada.

## (8) geographical identifications

NTS map grid (at various scales)

## (9) storage medium:

electronic  
  
magnetic tape

hard copy

maps/overlays

## (10) spatial character:

semi-spatial

(11) scale of maps: 75 at 1:50,000,  
49 at 1:125,000; 159 at 1:250,000

## (12) origin of data:

Based on soil survey  
information (CLI Canada  
Land Inventory Information)

## (13) contacts:

Chief  
Canada Land Data Systems Division  
Lands Directorate  
21st Floor, Place Vincent Massey  
351 St. Joseph Blvd  
Hull, Quebec K1A 0E7  
997-2510

## FORESTRY (CLDS)

(1) agency name:  Lands Directorate Environmental Conservation Service Environment Canada		(2) date: 1968	(3) periodicity: completed	(4) area: Canada	(5) file size: 190 maps
(6) Keywords: (subject and variables)  Soil capability for commercial timber - classifications 1 to 7, CLI, Canada Land Inventory					
(7) description & features Part of the Canada Land Data System, National Land Data Base. Areas' commercial timber potential capability based upon the soils ability to sustain commercial timber and classified from value 1 (high capability) to value 7 (no capability) and upon the natural state of the land (without manmade improvements, i.e. fertilizer, etc.) associated with each capability class is a productivity range based on the mean annual increment of the best species or group of species at a given site (productivity associated with good management) without economic considerations.					
(8) geographical identifications  NTS map grid					
(9) storage medium: electronic  magnetic tape		hard copy  maps/overlays	(10) spatial character:  semi-spatial		
			(11) scale of maps: 44 at 1:125,000; 146 at 1:250,000		
(12) origin of data: Best on all known or inferred information about the area including sub-soil, soil profile, depth, moisture fertility, landform, climate and vegetation. (CLI Canada Land Inventory information)			(13) contacts:  Chief Canada Land Data Systems Division Lands Directorate 21st Floor Place Vincent Massey 351 St. Joseph Blvd Ottawa, Ontario K1A 0E7 997-2510		

## WILDLIFE UNGULATES (CLDS)

## (1) agency name:

Lands Directorate  
Environmental Conservatin Service  
Environment Canada

(2) date: 1968

(3) periodicity: completed

(4) area: Canada

(5) file size: 227 maps

## (6) Keywords: (subject and variables)

Area capability to support ungulates/by varying land characteristics, species' and/or groups of species' individual requirements. CLI, Canada Land Inventory.

## (7) description &amp; features

Part of the Canada Land Data System, National Land Data Base coverage of Canada by capability class determined by an area's degree of limitation to support ungulates (by species and group of species) and subclasses of the above denoting the primary limiting factor in the area ratings do not include Present Land Use, hunting pressures, etc.

## (8) geographical identifications

NTS map grid

(9) storage medium:  
electronic

magnetic tape

hard copy

maps/overlays

(10) spatial character:

semi-spatial

(11) scale of maps:

1:250,000

## (12) origin of data:

Based on information of the area including quality and quantity of food, protective cover, space, etc. (CLI Canada Land Inventory informa

## (13) contacts:

Chief  
Canada Land Data Systems Division  
Lands Directorate  
21st Floor, Place Vincent Massey  
351 St. Joseph Blvd  
Hull, Quebec K1A 0E7  
997-2510



WILDLIFE WATERFOWL (CLDS)

<p>(1) agency name: Lands Directorate Environmental Conservation Service Environment Canada</p>		<p>(2) date: 1968</p>	<p>(3) periodicity: completed</p>
		<p>(4) area: Canada</p>	<p>(5) file size: 210 maps</p>
<p>(6) Keywords: (subject and variables)</p> <p>Degree of limitation to waterfowl - physiographic characteristics important to waterfowl species or groups of species waterfowl. CLI, Canada Land Inventory.</p>			
<p>(7) description &amp; features</p> <p>Part of the Canada Land Data System, National Land Data Base, land is divided into areas on basis of physiographic characteristics important to waterfowl with the degree of limitation in each area determining the capability class and the primary limiting factor determining the subclass. Present Land Use and other human influences (i.e. hunting) not considered.</p>			
<p>(8) geographical identifications</p> <p>NTS map grid</p>			
<p>(9) storage medium: electronic  magnetic tape</p>	<p>hard copy  maps/overlays</p>	<p>(10) spatial character:  semi-spatial</p>	
		<p>(11) scale of maps: 1:250,000</p>	
<p>(12) origin of data:  Based on area information on vegetation (climate) and optimum conditions needed by waterfowl. (CLI Canada Land Inventory information)</p>		<p>(13) contacts:  Chief Canada Land Data Systems Division Lands Directorate 21st Floor Place Vincent Massey 351 St. Joseph Blvd. Hull, Quebec 997-2510</p>	

## RECREATION (CLDS)

(1) agency name:  Lands Directorate Environmental Conservation Service Environment Canada		(2) date: 1968	(3) periodicity: completed
		(4) area: Canada	(5) file size: 325 maps
(6) Keywords: (subject and variables)  Intensity/quantity of recreation - classes 1 to 7 shoreland or upland, intensive or dispersed activities. CLI, Canada Land Inventory			
(7) description & features Part of the Canada Land Data System, National Land Data Base, quantity and distribution of recreational potential of land areas in their existing state are classified. A further classification of shoreland or upland is also available. Classifications are done as if under "perfect market conditions" i.e. equal accessibility, distance from town, etc.			
(8) geographical identifications  NTS map grid			
(9) storage medium: electronic  magnetic tape	hard copy  maps/overlays	(10) spatial character:  semi-spatial	
		(11) scale of maps:	
(12) origin of data:  Based on reconnaissance of areas including aerial photo interpretation, field checks, available records. (CLI, Canada Land Inventory information)		(13) contacts: Chief Canada Land Data Systems Division Land Directorate 21st Floor, Place Vincent Massey 351 St. Joseph Blvd. Hull, Quebec K1A 0E7 997-2510	

## SPORTFISH (CLDS)

## (1) agency name:

Lands Directorate  
Environmental Conservation Service  
Environment Canada

(2) date: 1968

(3) periodicity: completed

(4) area: Canada, Alta, Man,  
Maritimes

(5) file size: 57 maps

## (6) Keywords: (subject and variables)

Water capability for sportfish - level of nutrients requirements/ characteristics of actual fish species.

## (7) description &amp; features

Part of the Canada Land Data System, National Land Data Base. Capability of water bodies to support sportfish classified on the basis of nutrients and subclassed by the factors which cause the limitation.

## (8) geographical identifications

NTS map grid.

## (9) storage medium:

electronic

magnetic tape

hard copy

maps/overlays

## (10) spatial character:

semi-spatial

## (11) scale of maps:

1:250,000

## (12) origin of data:

Based on research data, recorded observations and experience or interpolated from similar water bodies.

## (13) contacts:

Chief  
Canada Land Data Systems Division  
Lands Directorate  
21st Floor, Place Vincent Massey  
351 St. Joseph Blvd.  
Hull, Quebec K1A 0E7  
997-2510

## JAMES BAY BIOPHYSICAL (CLDS)

(1) agency name: Lands Directorate Environmental Conservation Service Environment Canada		(2) date: 1968 (3) periodicity: completed (4) area: James Bay, Quebec (5) file size: 75 maps
(6) Keywords: (subject and variables) Ecological factors: vegetation, animal life, pollution, construction, etc.		
(7) description & features Part of the Canada Land Data Systems, National Land Data Base, an ecological study of the James Bay area.		
(8) geographical identifications NTS map grid		
(9) storage medium: electronic  magnetic tape	hard copy  maps/overlays	(10) spatial character:  semi-spatial
		(11) scale of maps: 1:125,000
(12) origin of data:  Known biophysical data and field survey research	(13) contacts:  Chief Canada Land Data Systems Division Lands Directorate 21st Floor Place Vincent Massey 351 St. Joseph Blvd. Hull, Quebec, K1A 0E7 997-2510	

## WATERSHED (CLDS)

(1) agency name:  Lands Directorate Environmental Conservation Service Environment Canada		(2) date: * 1968	(3) periodicity: *completed	(4) area: Canada (excluding Nfld, Yukon, NWT)	(5) file size: 198 maps
(6) Keywords: (subject and variables)  Watershed					
(7) description & features Part of the Canada Land Data System, National Land Data Base. Hydrographic and drainage patterns of principle inland water systems available based upon accepted watershed divisions and topographically interpreted sub-divisions identifying natural hydrological areas, (IWD).					
(8) geographical identifications  Canada - watershed areas, topographically determined sub-divisions.					
(9) storage medium: electronic magnetic tape		hard copy maps/overlays		(10) spatial character:  areal	
				(11) scale of maps: 1:250,000	
(12) origin of data:  * Inland Water Directory			(13) contacts:  Chief Canada Land Data Systems Division Lands Directorate 21st Floor, Place Vincent Massey 351 St. Joseph Blvd. Hull, Quebec K1A 0E7 997-2510		

## SHORELINE (CLDS)

(1) agency name: Lands Directorate Environmental Conservation Service Environment Canada		(2) date: 1968	(3) periodicity: completed
		(4) area: Canada	(5) file size: 453 maps
(6) Keywords: (subject and variables)  Shoreline			
(7) description & features Part of the Canada Land Data System, National Land Data Base. A hydrography coverage illustrating the separation of water area from land such as double line rivers, lakes and the coastal shoreline of Canada. The 1:50,000 scale also differentiates the various water types such as most intermittent lakes, rivers and oceans.			
(8) geographical identifications  NTS grid			
(9) storage medium: electronic  magnetic tape	hard copy  maps/overlays	(10) spatial character: areal	
		(11) scale of maps: 102 maps: 50,000; 52 maps: 1:125,000, 299 maps: 1:250,000	
(12) origin of data:  EMR base maps		(13) contacts:  Chief Canada Land Data Systems Division Lands Directorate Environment Canada Place Vincent Massey 351 St. Joseph Blvd Hull, Quebec K1A 0E7 997-2510	

## CENSUS 1971, CENSUS 1976 (CLDS)

(1) agency name:  Lands Directorate Environmental Conservation Service Environment Canada		(2) date: 1971, 1976	(3) periodicity: in co-ordination with 5 year census.	(4) area: Canada	(5) file size: 593 maps
(6) Keywords: (subject and variables)  Census, enumeration, electoral					
(7) description & features  Part of the Canada Land Data System, National Land Data Base. The boundaries can be linked with socio-economic characteristics of Canada collected in Statistics Canada's 1971 and 1976 census surveys; available by province, electoral district and enumeration boundaries.					
(8) geographical identifications  Canada - provincial boundaries, electoral district boundaries and enumeration area boundaries.					
(9) storage medium: electronic  magnetic tape		hard copy  maps/overlays	(10) spatial character:  areal		
			(11) scale of maps: 1971 Census - 75 maps 1:50,000; 1976 Census - 463 maps 1:250,000, 59 maps 1:500,000		
(12) origin of data:  1971 and 1976 Statistics Canada census.		(13) contacts:  Chief Canada Land Data System Division Lands Directorate 21st Floor, Place Vincent Massey 351 St. Joseph Blvd. Hull, Quebec K1A 0E7 997-2510			

LAND USE (CLDS)

<p>(1) agency name: Lands Directorate Environmental Conservation Service Environment Canada</p>		<p>(2) date: 1968</p>	<p>(3) periodicity: complete - subject to change as new information becomes available.</p>
		<p>(4) area: Canada</p>	<p>(5) file size: 219 maps</p>
<p>(6) Keywords: (subject and variables)</p> <p>Land use subject - residential, agricultural etc. areas or locations - i.e. Ottawa, Eastern Townships, etc.</p>			
<p>(7) description &amp; features</p> <p>Part of the Canada Land Data System, National Land Data Base. A general land use survey and capability study of the southern half of Canada.</p>			
<p>(8) geographical identifications</p> <p>NTS map grid</p>			
<p>(9) storage medium: electronic  magnetic tape</p>	<p>hard copy  maps/overlays</p>	<p>(10) spatial character:  semi-spatial</p>	
		<p>(11) scale of maps: 1:250,000</p>	
<p>(12) origin of data:  CLI and land use, data.</p>		<p>(13) contacts: Chief Canada Land Data Systems Division Lands Directorate 21st Floor, Place Vincent Massey 351 Blvd. St. Joseph Hull, Quebec K1A 0E7 997-2510</p>	



## CLIENT DATA BASES (CLDS)

## (1) agency name:

Lands Directorate  
Environmental Conservation Service  
Environment Canada

(2) date: Varies

(3) periodicity: Varies

(4) area: Varies

(5) file size: 817 maps

## (6) Keywords: (subject and variables)

Data bases, grouped; agriculture, animals, biophysical, boundary areas and grids, forestry, geophysical, federal lands, hydrographic, land use, technical methodology, urban studies.

## (7) description &amp; features

Part of the Canada Land Data System, the client Data Bases - CLDS stores, manipulates, analyses and provides access to physical, biological, social and economic information of Canada's Land resources and specifically on special client interest subjects included in the above mentioned groups. A detailed listing follows immediately.

## (8) geographical identifications

NTS and UTM Grids/projections

(9) storage medium:  
electronic  
magnetic tape

hard copy  
maps/overlays

(10) spatial character:

(11) scale of maps: 2 maps at 1:10,000; 14 maps at 1:24,000; 9 maps at 1:25,000; 4 maps at 1:31,680; 306 maps at 1:50,000; 5 maps at 1:100,000; 2 maps at 1:125,000; 447 maps at 1:250,000; 1 map at 1:253,400; 26 maps at 1:500,000; 1 map at 1:1,000,000

## (12) origin of data:

Varies from study to study. Basic data from CLDS itself, others from studies based on outside material and inputted into the data base.

## (13) contacts:

Chief  
Canada Land Data Systems Division  
Lands Directorate  
21st Floor, Place Vincent Massey  
351 St. Joseph Blvd.  
Hull, Quebec K1A 0E7  
97-2510

COVERAGE NAME	DESCRIPTION	SCALE	MAPS
<u>GROUP: AGRICULTURE</u>			
Agriculture and shoreline study - Vancouver region	- agriculture and shoreline data for the Greater Vancouver Regional District, BC.	1:50,000	4
Provisional CLI agriculture within 100 mile radius (combined with shoreline) Vancouver	- combination of Provincial Agriculture data and Shoreline data within 100 mile radius of Vancouver	1:50,000	25
North West Africa - FAO Soil Degradation	- study of North West Africa depicting shoreline boundary, country boundaries and study area boundary data combined with present degradation rate, present state of soil and risk of soil degradation to give soil characteristics by country including type of erosion, soil depth, texture, conductivity, dominant characteristic, etc.	1:50,000	3
<u>GROUP: ANIMALS</u>			
ALI Red Squirrel	- Alberta provincial furbearing study containing land capability classification for red squirrel, beaver and muskrat. Part of the Alberta Land Inventory (ALI)	1:250,000	3
ALI Beaver and Muskrat		1:250,000	3
<u>GROUP: BIOPHYSICAL STUDIES</u>			
Pilot Study of Biophysical data - Manitoba	- study to illustrate CLDS/CGIS can handle biophysical data - 1 sheet in Manitoba (Kettle R.) was chosen	1:250,000	2
Gros Morne National Park - Newfoundland	- study depicting biophysical data of Gros Morne National Park, Nfld.	1:50,000	6
Hudson Bay Lowlands	- study depicting biophysical classification data of Hudson Bay Lowlands	1:100,000	5
Terra Nova National Park	- interim biophysical coverage of Terra Nova National Park	1:31,680	4

COVERAGE NAME	DESCRIPTION	SCALE	MAPS
Firth River-Parks Canada	- biophysical coverage of a potential park site in the Northern Yukon.	1:250,000	2
Flying Creek - Saskatchewan	- study area Qu'appelle River - Flying Creek - 6 coverage, range and township and special planning area, CLI agriculture, terrain, vegetation, wetland and shoreline, topography and Terrain.	1:50,000	6
Ecoregions of Canada	- ecological information for Canadian ecoregion definition coverage includes glacial geology, permafrost, Canada soils, air temperature, precipitation, physiography, shoreline. National Atlas of Canada.	1:50,000	11
Wood Buffalo National Park	- interim coverage - polygon no., map ., District, System, Sub-system, and shoreline classification matched against ecological data (Vegetation, Soils, Geology).	1:250,000	7
Ontario Biophysical Districts	- biophysical districts of Ontario - Southern Ontario completed to date.	1:250,000	4
<b>GROUP: <u>BOUNDARY AREAS &amp; GRIDS</u></b>			
County boundaries and names for IJC study area around the Great Lakes	- county boundaries and county names for IJC (International Joint Commission) study area around the Great Lakes.	1:250,000	24
Watershed Boundaries - Great Lakes	- watershed boundaries for the Great Lakes Study Area	1:250,000	24
Administrative Districts - Central Ontario	- study depicting the Administrative Districts of Central Ontario.	1:250,000	8
10 km Grid - Saskatchewan	- pilot project - 10 km grid in Saskatchewan from latitude 49° - 60°	1:250,000	14
2 km Grid (CLUMP)	- 2 km grid used in the sampling methodology for the monitoring of land use in the CLI area	1:250,000	16

COVERGE NAME DESCRIPTION SCALE MAPS

COVERGE NAME	DESCRIPTION	SCALE	MAPS
<u>GROUP: FEDERAL LANDS</u>			
MTR and Federal/Provincial Lands	- pilot project depicting MTR and Federal/Provincial Lands in Saskatchewan between latitudes 40°-52°	1:50,000	25
Federal Lands - Point Data Pilot	- point data coverage depicting Federal Land Holdings and Indian Reserves in the Central Real Property Inventory (CRPI) less than 64 hectares - 10 map pilot study.	1:250,000	10
Federal Lands - Pilot project	- 7 map pilot study - Federal land holdings in the CRPI including Indian Reserves	1:250,000	4
Federal Lands	- National Inventory - Federal Land Holdings from CRPI - point and polygon data	1:250,000	150
<u>GROUP: FORESTRY</u>			
Ontario Timber Inventory	- Ontario Timber Inventory Maps	1:250,000	17
1976 Spruce Budworm areas - New Brunswick	- study depicting 1976 Spruce Budworm hazard areas - New Brunswick	1:500,000	1
Forest defoliation areas - New Brunswick	- study depicting 1976 Spruce Budworm forest defoliation areas - New Brunswick	1:500,000	1
1976 Spruce Budworm defoliation - Nova Scotia	- study depicting 1976 Spruce Budworm defoliation in forest stands - Nova Scotia	1:50,000	7
1977 Spruce Budworm defoliation - Nova Scotia	- study depicting 1977 Spruce Budworm defoliation in forest stands - Nova Scotia	1:50,000	7
Range and Township - Saskatchewan	- pilot project depicting meridian, range and township boundaries and forested areas in Saskatchewan between latitude 52°-56°	1:1,000,000	1

COVERAGE NAME	DESCRIPTION	SCALE	MAPS
Provincial forest and federal lands outside the provincial forests in Saskatchewan	- pilot project depicting provincial forests and federal lands outside the provincial forests of Saskatchewan	1:250,000	22
Spruce Budworm egg mass densities - N.B.	- study depicting the 1976 Spruce Budworm Egg Mass Densities in New Brunswick	1:500,000	1
Saskatchewan Forest Inventory UTM study	- feasibility study to input Saskatchewan forest Inventory map data using 10km X 10km UTM grid maps as input documents.	1:125,000	2
<u>GROUP: GEOPHYSICAL</u>			
Geological survey of Canada	- study depicting surficial geology of Canada: source, Geological Survey of Canada	1:253,440	1
Cypress Hills Provincial Park - Alberta	- study - 7 coverages illustrating Park zones and subzones, land leases, roads, soils, land form, land slope and orientation.	1:24,000	14
Coal deposit study in Saskatchewan	- pilot project of integrating coal resource information with Canada Land Inventory capability coverages of the lower Saskatchewan area.	1:250,000	4
<u>GROUP: HYDROGRAPHIC</u>			
Pollutant Transfer - Great Lakes	- pollutant transfer coverage for the Great Lakes Study Area.	1:250,000	10
<u>GROUP: LAND USE</u>			
Land Use for the Great Lakes Study	- Great Lakes Study area - general land use study	1:250,000	24
Northern Land Use	- pilot project. Feasibility study northern land use maps	1:250,000	3

COVERAGE NAME	DESCRIPTION	SCALE	MAPS
PEI Soils and Land Ownership (Promotion)	- demonstration package - illustrates land parcels, land use, basic soils data where it is non-coincident with the parcel boundaries	1:10,000	1
Saugeen Land Use	- general land use study - Saugeen Basin in Southern Ontario	1:50,000	11
Alberta County Pilot Project	- pilot study-Alberta county; township, range and section boundaries within the county of Lac Ste-Anne and integrated with CLI data and enumeration area (EA) boundaries.	1:250,000	1
1951 Saugeen Land Use	- 1951 Land Use Study within a Watershed in the Saugeen Basin of Southern Ontario	1:50,000	5
Land Use Sections Southwestern Manitoba Data Set	- land use and land capability maps are correlated with soil maps and land use sections (interpreted using Landsat imagery) to explore use of Canada Land Data System for land use section analysis.	1:250,000	4
Land Use	- general land use study of Canada	1:50,000	213
Quebec Hydro Côte Nord project	- manuscripts of data to be integrated with an ecological classification when data base is completed	1:250,000	5
<b>GROUP: TECHNICAL METHODOLOGY</b>			
Satellite and airborne remote sensed data-Northern Manitoba	- satellite and airborne remote sensing used in deriving ecological land classification	1:250,000	4
Landsat imagery for rural areas	- study depicting the feasibility to map the rural land systems using landsat imagery and the feasibility to evaluate satellite remote sensing data.	1:250,000	4
Land Use: Neepawa Area Data set	- study which evaluates land use monitoring capability of LANDSAT digital data handling	1:50,000	2

COVERAGE NAME DESCRIPTION SCALE MAPS

COVERAGE NAME	DESCRIPTION	SCALE	MAPS
<u>GROUP: URBAN</u>			
Ottawa - CLI recreation 1964 Land Use 1968 Land Use 1973 Land Use CLI Agriculture	- study of the Ottawa area - information included; CLI Recreation, 1964, 1968 and 1973 Land Use and CLI Agriculture.	1:50,000	5
Fruit growing areas-Ontario	- study depicting fruit growing limitations and integrated with CLI Agriculture Capability to determine suitable urban development	1:250,000	3
CMHC Windsor Pilot	- study - CMHC Windsor - detailed information on quantities and characteristics of land available around an urban area (Windsor) and examining the feasibility of using CLI data with CMHC land data (through CGIS/CLDS) to access the projected land use patterns with the land resource.	1:25,000	9
Circles with radius of 100 miles for the 23 CMA's	- study depicting nine concentric circles with a maximum radius of 100 miles for each of the 23 CMA's. CLI agriculture and recreation data was analysed within the CMA's.	1:500,000	23

NATIONAL LAND DATA BANK (IN CLDS)

<p>(1) agency name: Lands Directorate Environmental Conservation Service Environment Canada</p>		<p>(2) date:</p>	<p>(3) periodicity: updated as data becomes available</p>
		<p>(4) area: All Canada (site specific)</p>	<p>(5) file size:</p>
<p>(6) Keywords: (subject and variables) Land - Land use planning, watershed boundaries, political boundaries</p>			
<p>(7) description &amp; features A computerized national land data bank which stores, retrieves and via CLDS, processes geographic specific biophysical and socioeconomic data on or related to land use, land capability and resource management issues of regional or national significance.</p>			
<p>(8) geographical identifications</p>			
<p>(9) storage medium: electronic  magnetic tape</p>	<p>hard copy</p>	<p>(10) spatial character:</p>	
		<p>(11) scale of maps:</p>	
<p>(12) origin of data:</p>		<p>(13) contacts: Connie MacDonald Environment Canada Ottawa, Ontario Phone (819) 997-2510</p>	



EVALUATION OF LAND RESOURCE INFORMATION FOR SETTLEMENT SUITABILITY

<p>(1) agency name:  Lands Directorate Environmental Conservation Service Environment Canada</p>		<p>(2) date: November 1978</p>
		<p>(3) periodicity: one-time</p>
		<p>(4) area: Whitehorse-Carcross-Jakes Corner region, Yukon Territory</p>
		<p>(5) file size: Thirty-five 1:20,000 ortho photo maps</p>
<p>(6) Keywords: (subject and variables)  Settlement suitability - landforms, materials, limitations</p>		
<p>(7) description &amp; features  Survey of landforms, soils and soil materials to provide advice and develop interpretations on "suitability for settlement" for lands in the Whitehorse-Carcross-Jakes Corner region, Yukon Territory. Information provided at request of the Land Resources Section, Department of Indian Affairs and Northern Development (DIAND), Whitehorse.</p>		
<p>(8) geographical identifications  1:20,000 orthophoto maps</p>		
<p>(9) storage medium: electronic</p>	<p>hard copy maps/overlays</p>	<p>(10) spatial character:  areal</p>
		<p>(11) scale of maps: 1:20,000</p>
<p>(12) origin of data:  - surficial geology maps - soil and soil suitability information maps - air photo interpretation - field work</p>	<p>(13) contacts:  D.S. Lacate Regional Director Lands Directorate Environment Canada 904 - 1001 West Pender Street Vancouver, B.C. V6E 2M7 (604) 666-3161</p>	

## COASTAL RESOURCES FOLIO, EAST COAST VANCOUVER ISLAND

(1) agency name: Lands Directorate Environmental Conservation Service Environment Canada		(2) date: December 1981	(3) periodicity: one-time
		(4) area: Vancouver Island, Duncan to Campbell River	(5) file size: 15 overlay themes for nine 1:50,000 base maps
(6) Keywords: (subject and variables)  Coastal Zone baseline studies Land/Water use Biophysical inventories (landforms, soil, vegetation, biological resources, marine substrate)			
(7) description & features Inventory of existing biophysical and land/water use information in format that is useful for environmental assessment, lands use planning, regional and coastal resource allocation. Synthesis of data on biophysical resources, marine substrate, physical shore zone, vegetation, saltmarshes, estuaries, present use and zoning. Companion report also produced on coastal resource values, uses and processes.			
(8) geographical identifications  1:50,000 NTS maps Vancouver Island (east coast)			
(9) storage medium: electronic	hard copy tables maps/overlays	(10) spatial character: point, line, areal	
		(11) scale of maps: 1:50,000; 1:15,000	
(12) origin of data: Existing maps and data on marine and terrestrial biophysical information and land use/zoning in the régioné		(13) contacts: M.J. Romaine Lands Directorate Environment Canada 904 - 1001 West Pender Street Vancouver, B.C. (604) 666-6751	

## LAND STATUS AND LAND USE YUKON ROAD SYSTEM

## (1) agency name:

Lands Directorate  
Environmental Conservation Service  
Environment Canada

(2) date: 1977 and 1978

(3) periodicity: one time only

(4) area: all major road systems  
in Yukon

(5) file size: 161 maps

## (6) Keywords: (subject and variables)

Land status, land use

## (7) description &amp; features

Compilation and mapping of information on land status and land use along all major road systems in the Yukon. Area mapped was about two and one-half miles on either side of the centreline of the road. Excluded areas within municipal and block land transfer boundaries.

## (8) geographical identifications

NTS

(9) storage medium:  
electronic

hard copy  
maps/overlays

(10) spatial character:

areal

(11) scale of maps: 1:50,000  
where available 1:250,000 otherwise

## (12) origin of data:

- land status records, DIAND  
Whitehorse
- air photo interpretation
- field checking

## (13) contacts:

Ken Redpath  
Lands Directorate  
Environment Canada  
904-1001 West Pender Street  
Vancouver, B.C.  
V6E 2M7  
(604) 666-6959



## NATIONAL PARKS BRANCH NATIONAL PARKS INDEX (NPI)

(1) agency name:  National Parks Branch Parks Canada Environment Canada		(2) date: 1972	(3) periodicity: monthly	(4) area: all Canada	(5) file size: approx. 8000 bibliographic records (as of 8/81)
(6) Keywords: (subject and variables)  Library of Congress subject headings, full text indexing of titles, author names and notes.					
(7) description & features 1) Document collection focuses on planning, organization and management of Canada's national parks and natural resources. 2) Database permits free text searching on-line of bibliographic records by researchers. 3) Hard copy catalogues are also available for consultation 4) There is a small related map collection which is also being accessed to the system (completion date unknown as yet)					
(8) geographical identifications  29 national park codes and 39 natural region codes					
(9) storage medium: electronic  magnetic tape on-line		hard copy		(10) spatial character:	
				(11) scale of maps:	
(12) origin of data:  Documents originally collected on a donation basis, documents written by or for Parks Canada received from author or contractor relevant documents today are still received by donation.			(13) contacts:  Brian Silcoff National Parks Branch, Administration Division Les Terrasses de la Chaudière 10 Wellington St., 2nd Floor Hull, Quebec K1A 1G2 (819) 994-2844		

## BIOPHYSICAL STUDIES OF NATIONAL PARKS

(1) agency name:  National Parks Branch Parks Canada Environment Canada		(2) date: 1972	(3) periodicity:
		(4) area: Canada	(5) file size: growing - 39 regions
(6) Keywords: (subject and variables) Biophysical information location, climate, relief, geological history, bedrock geology, landform and surficial deposits, soils, drainage system, vegetation, fauna, cultural features, wildlife.			
(7) description & features Describes parameters from all information collected in the natural resource surveys contracted out by Parks for Gros Morne, Terra Nova, Wood Buffalo, Nahanni, Northern Yukon. (Stored on CGIS). Banff, Jasper, Yoho, Revelstoke, Glacier and Prince Albert (Stored in CANSIS)			
(8) geographical identifications Park name, longitude and latitude, map number, UTM.			
(9) storage medium: electronic magnetic tape	hard copy maps/overlays text	(10) spatial character: point, areal	
		(11) scale of maps: Various from 1:12,00 to 1:500,000	
(12) origin of data:  contracts and in-house		(13) contacts:  Mr. André Savoie Natural Resources Division Parks Canada 2nd Floor Les Terrasses de la Chaudière Ottawa, Ontario K1A 1G2 (819) 994-3244	

REALTY COMPUTER SYSTEM

<p>(1) agency name:                  Program Planning and Evaluation                  Directorate                  Parks Canada                  Environment Canada</p>		<p>(2) date: 1979</p>	<p>(3) periodicity: updated every                  two weeks 50 transactions/                  month</p>	<p>(4) area:</p>	<p>(5) file size: 4720 entries</p>
<p>(6) Keywords: (subject and variables)                  Land tenure agreements in Ontario, Prairie and Western regions of Parks Canada.</p>					
<p>(7) description &amp; features                  Bank used to identify alienated Crown owned lands held by Parks Canada in three regions only and to help administer these lands. The system embraces 77 fields of tombstone data under the general headings of general information, document terms and conditions, document holder information, land location, property size, document conditions and status, assessment and charges, and rental information.</p>					
<p>(8) geographical identifications</p>					
<p>(9) storage medium:                  electronic                    magnetic tape</p>		<p>hard copy</p>		<p>(10) spatial character:</p>	
				<p>(11) scale of maps:</p>	
<p>(12) origin of data:                  A.W. Fereday                  Chief                  Realty Division                  Parks Canada</p>			<p>(13) contacts:                  A.W. Fereday                  Chief                  Realty Division                  Parks Canada                  Les Terrasses de la Chaudière                  3rd Floor                  Ottawa, Ontario K1A 1G2                  (819) 994-2444</p>		

## PARKS CANADA LAND ABSTRACTS

(1) agency name:  Program Planning & Evaluation Directorate Parks Canada Environment Canada		(2) date: 1763	(3) periodicity: continuous, ongoing updating as abstracts are developed
		(4) area: 55,000 sq. mi. of national park lands, 600 historic sites & parks, 550 mi. of canals	(5) file size: approx. 1000 entries
(6) Keywords: (subject and variables)  homogeneous land title abstracts of all Parks Canada land holdings, namely national parks, national historic parks and sites, canals, Dominion, Admiralty and Ordinance lands.			
(7) description & features  Total chain of title from acquisition of property to date. The files date back to 1763 for the Dominion, Admiralty and Ordinance lands, and the national park lands date from 1885.			
(8) geographical identifications  All Canada, by legal description of lands			
(9) storage medium: electronic	hard copy index cards charts/graphs maps/overlays	(10) spatial character:	
		(11) scale of maps: Variable	
(12) origin of data:  A.W. Fereday Chief Realty Division Parks Canada		(13) contacts:  A.W. Fereday Chief, Realty Division Parks Canada Environment Canada Room 315, Les Terrasses de la Chaudière 10 Wellington Street Ottawa, Ontario L1A 1G2 (819) 994-2444	



CANADIAN INVENTORY OF HISTORIC BUILDING (CIHB), INVENTAIRE DES BATIMENTS HISTORIQUES  
DU CANADA (IBHC)

(1) agency name:  National Historic Parks and Sites Branch Parks Canada Environment Canada		(2) date: 1969-1970	(3) periodicity: annual	(4) area: national	(5) file size: approx 200,000 building record of 300 + bytes for record
(6) Keywords: (subject and variables)  Location, building type, architectural features					
(7) description & features Information can be retrieved on any or all of the categories indicated in the attached training manual and recording form. This system replaces the old system before the end of the 1981-82 fiscal year. Data bank contains machine-readable (encoded, English or French language) information on the 200,000 surveyed buildings. Extremely large manual back-up system contains photographs, slides, negatives, research reports, and general information such as newspaper clippings, notes, etc.					
(8) geographical identifications  Use of geocode which represents the building's address Use of city, town, county, township names Rural buildings are plotted on 1:50,000 EMR maps (Maps are not computerized)					
(9) storage medium: electronic magnetic tape		hard copy index cards maps/overlays Docket files reports	(10) spatial character: semi-spatial		(11) scale of maps:
(12) origin of data:  Field survey programs, either salaried or contract and a large number of volunteer surveys		(13) contacts: Robert M. Harrold Acting Chief Canadian Inventory of Historic Building Les Terrasses de la Chaudière 3rd Floor, North Tower Hull, Quebec K1A 1G2 Ph: 994-2231			



## ELIAS; ENVIRONMENT LIBRARIES AUTOMATED SYSTEM

- BIBLIOGRAPHIC -

(1) agency name:  Library Services Environment Canada		(2) date: 1976	(3) periodicity: updated monthly	(4) area: principally Canada but U.S. & Europe as well	(5) file size: 25,000
(6) Keywords: (subject and variables)  Author, title, source, Library of Congress subject headings and call nos.					
(7) description & features Bibliographic database reflecting the monograph, serials, and report collection of the Departmental Library and 14 libraries in the regions. Subject coverage includes all aspects of the environment: pollution, wildlife, geography, natural resources, land use, forestry, wildlife, parks and historic sites. Document delivery is a feature. (On-line access to over 100 commercially available data bases is a library service as well).					
(8) geographical identifications  Keywords					
(9) storage medium: electronic magnetic tape		hard copy		(10) spatial character:	
				(11) scale of maps:	
(12) origin of data:  Departmental Library collection			(13) contacts: Helen McCuaig Library Services Environment Canada Ottawa, Ontario K1A 1C7 Telephone: 997-1768		



LANDS SALES REGISTRY

<p>(1) agency name:  Research Division Farm Credit Corporation</p>	<p>(2) date: 1978</p> <p>(3) periodicity: periodically (approx. 2-3 mos.)</p> <p>(4) area: Canada (all provinces)</p> <p>(5) file size:</p>
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(6) Keywords: (subject and variables)

Land value, town, distance from town, A-F class, assessment, enterprise, total acreage, acres cultivated, arable acres, non-arable acres, land type, topography, condition of land, drainage, depreciation value, dwelling.

(7) description & features

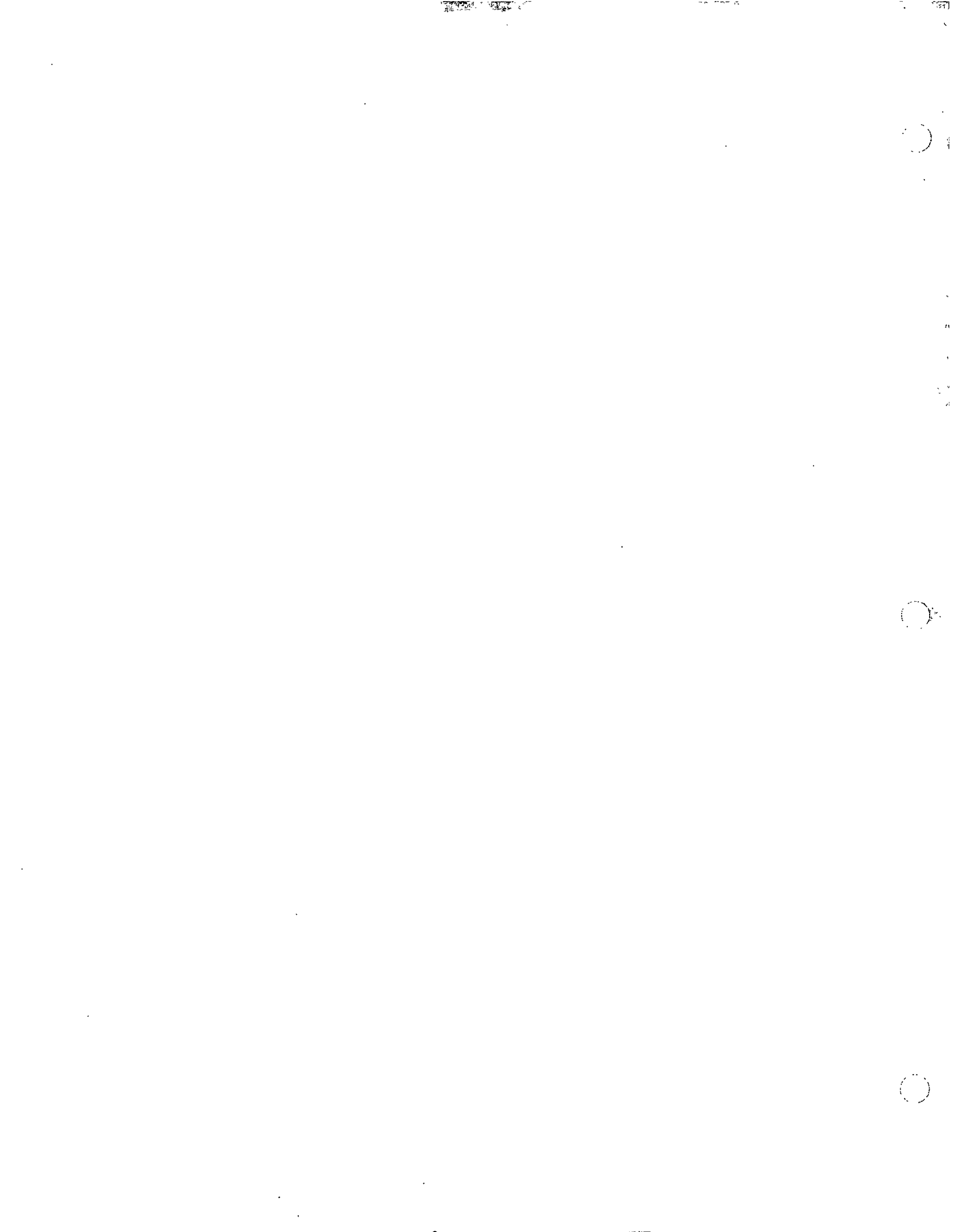
Data collection not confidential however, not publicized. Data used to follow land values. Some areas have inadequate sample size for generalization. Sales are coded "arms length"/"Non arms length" to indicate whether sale price represents true market value or reduced price for family member or friend purchase.

(8) geographical identifications

No legal description, no names, no addresses. Province is identified in addition to FCC in-house geographical code which identifies municipality or county.

<p>(9) storage medium: electronic</p> <p>hard diosc</p>	<p>hard copy</p>	<p>(10) spatial character:  semi-spatial, point</p>
		<p>(11) scale of maps:</p>

<p>(12) origin of data:  Field appraisers</p>	<p>(13) contacts:  Mr. Marshall Stachnaiak Research Division Farm Credit Corporation 434 Queen Street Ottawa, Ontario (613) 996-6606</p>
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FISH HABITAT

<p>(1) agency name:                  Freshwater Institute                  Western Region                  Fisheries and Oceans</p>		<p>(2) date:</p>	
		<p>(3) periodicity:</p>	
		<p>(4) area:</p>	
		<p>(5) file size:</p>	
<p>(6) Keywords: (subject and variables)</p>			
<p>(7) description &amp; features                  The Fish Habitat Section evaluates the impact of industrial developments and activities on living aquatic resources. Current projects include gathering baseline information on the effects of contaminants released by the Alberta Oil Sands development on aquatic ecosystems. Various statistical program are run using either either the IBM 370/168 on desk top calculators.</p>			
<p>(8) geographical identifications</p>			
<p>(9) storage medium:                  electronic</p>		<p>hard copy</p>	
		<p>(10) spatial character:</p>	
		<p>(11) scale of maps:</p>	
<p>(12) origin of data:</p>		<p>(13) contacts:                  Stephen Harbicht                  Fish Habitat                  Freshwater Institute                  Fisheries and Oceans                  501 University Cr                  Winnipeg, Man                  R3T 2N6                  (204) 269-7379</p>	

## LIMINOLOGY

(1) agency name: Freshwater Institute Western Region Fisheries and Oceans		(2) date: 1969	(3) periodicity: On-going
		(4) area: Manitoba, Ontario	(5) file size:
(6) Keywords: (subject and variables)  Fish catch per unit effort, population estimation, length, weight, age; phytoplankton biomass; water chemistry, resource engineering impact, environmental impact.			
(7) description & features  Data related to clearly defined subjects related to resource engineering developments. Major current areas of study are Churchill/Nelson Power Development & Experimental Lakes Area (concerning reactor technology). Environmental Impact - Experimental Lakes Area (Acid Rain)			
(8) geographical identifications			
(9) storage medium: electronic magnetic tape floppy disc hard disc	hard copy		(10) spatial character:
		(11) scale of maps:	
(12) origin of data:  in-house	(13) contacts: Ken Mills or D.W. Schindler Experimental Liminology Freshwater Institute Fisheries and Oceans 501 University Cres. Winnipeg, Man. R3T 2N6 <u>or</u> R.E. Hecky or Drew Bodaly Regional Liminology, Northern Reservoir, Biology and Fisheries 501 University Cres., Winnipeg, Man. R3T 2N6		



NATIONAL CONTAMINANTS DATA BASE

(1) agency name:

Freshwater Institute  
Fisheries and Oceans

(2) date:

(3) periodicity:

(4) area: Ontario, Prairies, N.W.T.

(5) file size: 8,000,000 characters

(6) Keywords: (subject and variables)

pesticides, contaminants, freshwater fish areas, biological parameters.

(7) description &amp; features

A system 2000 data base containing 8 million characters of operational data on heavy metal and pesticide contaminants recorded for freshwater fish caught within Ontario, the prairie provinces, and the N.W.T. Information concerning area fished, date, biological parameters, and contaminant concentration is available via natural language inquiry. It is part of National Contaminants Data base.

(8) geographical identifications

(9) storage medium:  
electronic

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Mr. G. McGregor  
Industrial Services Branch  
Fisheries and Marine Services  
Freshwater Institute  
Fisheries and Oceans  
501 University Cr  
Winnipeg Manitoba  
R3T 2N6

MARITIMES

Mr. Alan Connors  
Acting Chief  
Computer Services Division  
Fisheries Management  
Atlantic Fisheries - Maritimes Region  
Fisheries and Oceans  
P.O. Box 550  
Halifax, Nova Scotia B3J 2S7

NEWFOUNDLAND

Mr. Alain Perras  
Regional Data Base  
Administrator  
Economics & Intelligence Br  
Atlantic Fisheries - Nfld Region  
Fisheries & Oceans  
P.O. Box 5667  
St. John's, Nfld. A1C 5X1

QUEBEC

Gilles Carpentier  
Chef, Service Economique  
Pêches de l'Atlantique - Région du Québec  
Pêches et Océans  
C.P. 15500  
Québec, Qué. G1K 7X7

PACIFIC

Mr. Harri Hsu  
Head, EDP Unit  
Program Support Branch  
Pacific & Freshwater Fisheries - Pacific Region  
Fisheries and Oceans  
1001 West Pender Street  
Vancouver, British Columbia V6E 2P1

## REGIONAL INSPECTION SYSTEMS

**(1) agency name:**

Freshwater Institute  
 Fisheries and Oceans  
 Western Region

**(2) date:****(3) periodicity:**

**(4) area:** Prairie provinces,  
 Canada

**(5) file size:****(6) Keywords: (subject and variables)**

Inspectors name; place of inspection; lake; species; weight; quality; size; form; brand; rates of infestation (whitefish and tubliebe only)

**(7) description & features**

Contains details of the quality of fish products from commercial shipments. Also, contaminant data is maintained for freshwater fish within the Western Region, which forms western component of the National Contaminants Data base. A computerized batch processing system with many statistical and summary reports. Operates at University of Manitoba Computer Centre on IBM 370/168 through remote batch entry system at CAD.

**(8) geographical identifications**

**(9) storage medium:**  
 electronic

hard copy

**(10) spatial character:**

**(11) scale of maps:**

**(12) origin of data:****(13) contacts:**

Mr. G. McGregor  
 Industry Services Branch  
 Fisheries and Maritime Services  
 Freshwater Institute  
 Fisheries and Oceans  
 501 University Cr  
 Winnipeg, Man  
 R3T 2N6  
 (204) 269-7379

## FISHERIES ECOSYSTEMS DATABASE

**(1) agency name:**

Research and Resource Services  
Fisheries and Oceans Canada

**(2) date:** since July 1978**(3) periodicity:** updated annually**(4) area:** Flemish Cap & Nfld  
Grand Banks**(5) file size:** several files of  
several hundred records each**(6) Keywords: (subject and variables)**

Ichthyoplankton, zooplankton, chlorophyll, nutrients, primary production,  
hydrology

**(7) description & features**

Numerical database with information on ichthyoplankton, zooplankton, chlorophyll, nutrients, primary production and hydrology. These are updated annually and subject to change as the data is analyzed. As the date is used for analysis few parameters are generated and files changed as needed. It is not a data base that once set up, is simply maintained.

**(8) geographical identifications**

Latitude and longitude

**(9) storage medium:**

electronic  
magnetic tape  
floppy disc

hard copy  
tables (statistical)  
charts/graphs  
maps/overlays

**(10) spatial character:**  
point, line, areal**(11) scale of maps:**  
Canada**(12) origin of data:**

In-house research vessel,  
survey and contract analysis

**(13) contacts:**

John Anderson, Research Biologist  
Fisheries Ecosystems  
Research & Resource Services  
Fisheries and Oceans Canada  
St. John's, Newfoundland A1C 5X1  
(902) 426-8390



## CATCH STATISTICS

## (1) agency name:

Program Support Branch  
 Pacific & Freshwater Fisheries -  
 Pacific Region  
 Fisheries and Oceans

## (2) date:

## (3) periodicity:

## (4) area:

## (5) file size:

## (6) Keywords: (subject and variables)

Catch, income movement, management information, planning

(7) description & features This is a complete and complicated system which uses the Catch Statistics and CFV license master files to co-relate with the Small Crafts Harbour Projects. Special Codes statistically analyze the fishermen's catch and income movement of the commercial fishing fleet in order to provide management information for the utilization and future planning of Small Craft Harbour Branch. A complete accounts receivable system is implemented for better control of the collection of wharfage incurred by commercial and sport boats.

## (8) geographical identifications

## (9) storage medium:

electronic  
 magnetic tape

hard copy

## (10) spatial character:

## (11) scale of maps:

## (12) origin of data:

## (13) contacts:

Head, EDP Unit  
 Program Support Branch  
 Pacific & Freshwater Fisheries -  
 Pacific REgion  
 Fisheries and Oceans  
 1090 West Pender Street  
 Vancouver, B.C. V6E 2P1  
 666-6204



## SPA/OAS/GIS POSTAL CODE AGGREGATE

(1) agency name: Policy Planning and Information Systems Branch Information Systems Directorate Health and Welfare		(2) date: June, 1978	(3) periodicity: Annual	(4) area: Canada	(5) file size: 50 M. Bytes
(6) Keywords: (subject and variables) Minimally aggregate at postal code level, for Spouses Allowance, Old Age Security, and Guaranteed Income Supplement giving Age, Sex, Marital Status, Amount of pension.					
(7) description & features Uses to give number of recipients of SPA/OAS/GIS (Spouses' Allowance/Old Age Security/Guaranteed Income Supplement) in any one month at a postal code location. This then can be used to produced tables with area's defined in terms of postal code locations.					
(8) geographical identifications Postal code					
(9) storage medium: electronic  magnetic tape		hard copy	(10) spatial character:  point		
			(11) scale of maps:		
(12) origin of data:  Supply and Service SPA/OAS/GIS		(13) contacts:  Health and Welfare Policy Planning Information System Division 12th Floor Brook Claxton Bldg Tunney's Pasture Ottawa, Ontario K1A 0K9 (613) 995-2891			

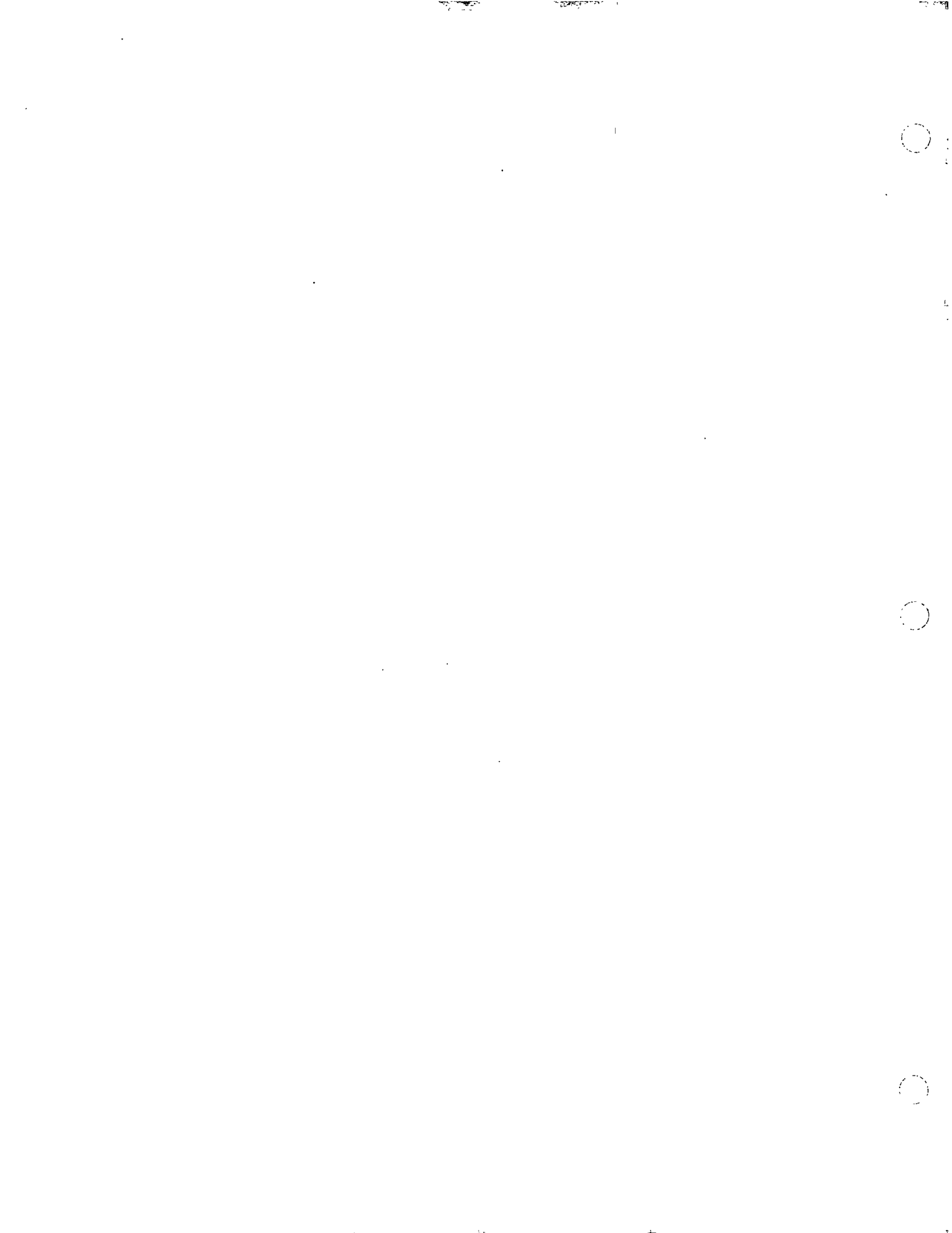
## GEOSAN

(1) agency name: Planning Information Systems Branch Information Systems Directorate Health and Welfare		(2) date: 1971	(3) periodicity: 5	(4) area: Canada	(5) file size: 3.5 M Bytes
(6) Keywords: (subject and variables) Cross Sectional Demographic, Housing, Family, Household and Economic Tables.					
(7) description & features Census or user data based on predefined geographical areas which may be reported on as is or aggregated into larger groups.					
(8) geographical identifications Census divisions, CMA's or user defined					
(9) storage medium: electronic  magnetic tape	hard copy		(10) spatial character:  semi-spatial	(11) scale of maps:	
(12) origin of data:  Primary Source - Census/71 Census/76			(13) contacts:  Chief of ANSSIR System Division, Policy Planning Information 12th Floor, Brooke Claxton Bldg Tunney's Pasture Ottawa, Ontario K1A 0K9 (613) 995-2891		



## FAMILY ALLOWANCE - POSTAL CODE AGGREGATE

<b>(1) agency name:</b> Policy Planning and Information Branch Information Systems Directorate Health and Welfare		<b>(2) date:</b> December 1978	<b>(3) periodicity:</b> Semi-annual	<b>(4) area:</b> Canada	<b>(5) file size:</b> 170 M Bytes
<b>(6) Keywords: (subject and variables)</b> Micro data, semi aggregated of postal code, number of children, date of birth, family size, account type.					
<b>(7) description &amp; features</b> Used to give number of children entitled to Family Allowance in any one month at a postal code location. This then can be used to produce tables with areas defined in terms of postal code locations.					
<b>(8) geographical identifications</b> Postal codes					
<b>(9) storage medium:</b> electronic  magnetic tape		hard copy	<b>(10) spatial character:</b>  point		
			<b>(11) scale of maps:</b>		
<b>(12) origin of data:</b> Supply and Service Family Allowance Rate Forecasting File			<b>(13) contacts:</b> Chief Welfare Information Division Information Systems Directorate Health and Welfare Brooke Claxton Bldg. Tunney's Pasture Ottawa, Ontario K1A 0K9 (613) 995-9615		



NORTHERN LAND TRANSACTION SYSTEM

<p>(1) agency name: Northern Environment Northern Affairs Department of Indian Affairs and Northern Development</p>		<p>(2) date: 1979</p>	<p>(3) periodicity: on-going</p>
		<p>(4) area: NWT and Yukon</p>	<p>(5) file size: NWT: Yukon: 30,000 records, 5,000 active</p>
<p>(6) Keywords: (subject and variables)  Land parcels with instrument status for leases, sales agreements, permits, reservations and easements.</p>			
<p>(7) description &amp; features System in land-based with record identification by parcel number. Data selectively retrieved and summarized with statistical and analytical, but no maphandling capabilities. Approx. 40 variables recorded on files including land disposition status, size in hectares and land use types. Base maps utilized are enlarged from 1:50,000 to 1:30,000 and 1:250,000 to 1:31,680.</p>			
<p>(8) geographical identifications Computerized records have reference point described by longs and lats and map sheet number and UTM coordinates. Hard copy records include maps.</p>			
<p>(9) storage medium: electronic  hard disc</p>	<p>hard copy  maps/overlays cadastral records</p>	<p>(10) spatial character: areal</p>	
		<p>(11) scale of maps: 1:30,000 and 1:31,680</p>	
<p>(12) origin of data:  Land Offices in Yukon and NWT</p>		<p>(13) contacts: Mr. G.C. Evans Chief, Land Management Division Northern Environment Northern Affairs, DIAND Les Terrasses de la Chaudière Hull, Quebec K1A 0H4</p>	



ARCTIC LAND USE RESEARCH (ALUR) REPORTS

(1) agency name: Northern Environment Northern Affairs DIAND		(2) date: 1971	(3) periodicity: on-going
		(4) area: North of 60°	(5) file size: 65-70 reports
(6) Keywords: (subject and variables) Environmental management, baseline information, impact assessment, land use, water use, regulation.			
(7) description & features Research relative to Land or Water Use, Management or Regulation financed and published by DIAND.			
(8) geographical identifications NTS maps, longs and lats, descriptive, textual.			
(9) storage medium: electronic	hard copy reports	(10) spatial character: point, line, areal	(11) scale of maps: Various
(12) origin of data: Contractual		(13) contacts: Mr. Bert Shaw Environmental Studies Division Northern Affairs, DIAND Ottawa, Ont. K1A 0H4 997-0044	



MINING GEOLOGY INFORMATION CENTRE

- BIBLIOGRAPHIC & NUMERIC -

(1) agency name:

Northern Non-Renewable Resources  
Northern Affairs  
DIAND

(2) date:

(3) periodicity: Updated continually

(4) area: Yukon and NWT

(5) file size:

(6) Keywords: (subject and variables)

Assessment Reports; Atomic Energy Control Board Reports, publications, theses, press clippings.

(7) description & features

The purpose of the centre is to facilitate easy access to primary and secondary geological related data on the Yukon and NWT; and to provide advice to government and public regarding mining matters in the territories. Facilities include reading area, microfilm readers. The system is connected to Geoscan. A minimum cost is charged for copying documentation and microfilm.

(8) geographical identifications

An indexing based on NTS and tied to Geoscan.

(9) storage medium:

electronic  
microfiches

hard copy  
reports,  
publications

(10) spatial character:

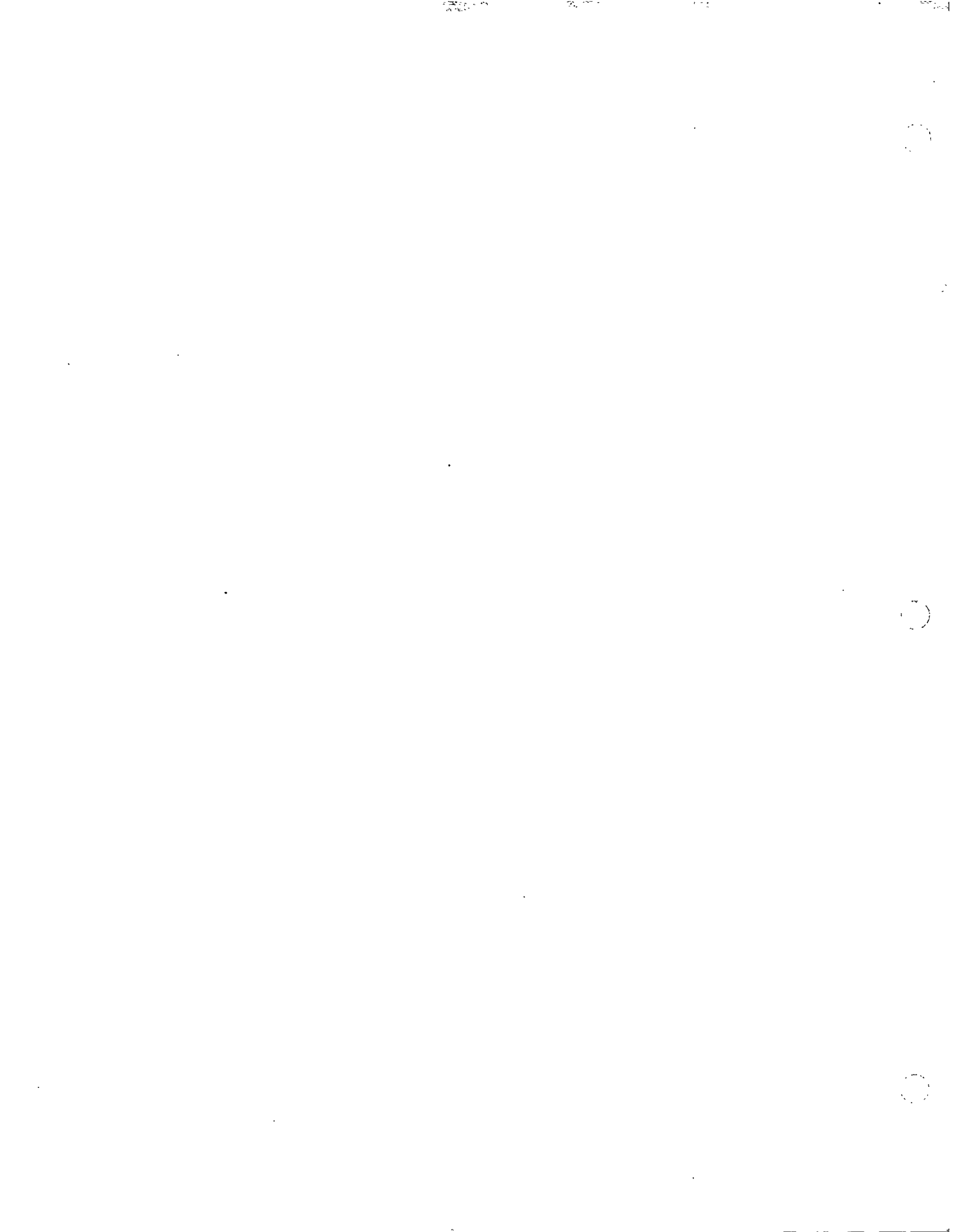
(11) scale of maps:

(12) origin of data:

In-house or Regional Territorial  
Offices companies and consultants

(13) contacts:

Mr. Tom Caine  
Mining Division  
Northern Non-Renewable Resources  
DIAND  
Les Terrasses de la Chaudière, 7th Floor  
Hull, Quebec K1A 0H4  
(819) 997-0911





## OIL AND GAS ENGINEERING AND GEOLOGICAL WELL DATA SYSTEM

(1) agency name:  Northern Non-Renewable Resources Northern Affairs DIAND		(2) date:	(3) periodicity: monthly updating and reporting
		(4) area: Yukon and NWT	(5) file size: 1,000 wells
(6) Keywords: (subject and variables)  Engineering geological, production, Yukon, NWT.			
(7) description & features  Engineering data maintained for safety and security and management decision reasons. Outputs <u>Well Master Report</u> and <u>Well Production Report</u> . An <u>Annual Report</u> is also produced. A plotting program is available for display of well bores.			
(8) geographical identifications			
(9) storage medium: electronic  magnetic tape	hard copy	(10) spatial character:  point	(11) scale of maps:
(12) origin of data:  - companies - field work, Oil and Gas Resources and Oil and Gas Engineering Divisions. DIAND	(13) contacts:  S. Kanik Oil & Gas Resources Evaluation Northern Affairs, DIAND Ottawa, Ont. K1A 0H4  (613) 997-9669	G. Starr Oil & Gas Engineering Northern Affairs, DIAND Ottawa, Ontario K1A 0H4  (613) 997-9909	



OIL AND GAS OPERATIONS SYSTEM

- BIBLIOGRAPHIC & NUMERIC -

<p>(1) agency name: Canada Oil and Gas Lands Administration Northern Affairs Department of Indian Affairs and Northern Development</p>	<p>(2) date: 1979  (3) periodicity: on-going  (4) area: NWT &amp; Yukon  (5) file size: Bibliographic: 80,000</p>
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(6) Keywords: (subject and variables)  
Operations summary: estimated expenditures, expected well depth, location, field, contractors. Technical reports: well depth, well status, fluid recovery, producing horizons. Geological data: well, location, geological age, lithologic unit

(7) description & features  
Used to monitor and evaluate oil and gas resources north of 60°. A store of summary statistics of oil and gas industry operations and bibliography to technical records held in hardcopy form.

(8) geographical identifications  
NWT & Yukon Grid System (related to lats and longs)

<p>(9) storage medium: electronic  hard disc</p>	<p>hard copy  technical reports</p>	<p>(10) spatial character: point, areal   (11) scale of maps: various</p>
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<p>(12) origin of data:  Summary statistic on operations supplied by companies</p>	<p>(13) contacts:  D. Sherwin Director General Resource Evaluation Branch Canada Oil and Gas Land Administration Tower "B", 355 River Road Vanier, Ontario K1L 8C1</p>
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OIL AND GAS VELOCITY ANALYSIS SYSTEM

<p>(1) agency name:  Canada Oil and Gas Lands Administration Northern Affairs DIAND</p>		<p>(2) date:  (3) periodicity:  (4) area:  (5) file size:</p>	
<p>(6) Keywords: (subject and variables) Shotpoint, Rock strata planes, vap-time, -dip, -vaug, -trace, horizon dip, com-depty, -error, -isocr, -vin, -lth, -slope, -intercept.</p>			
<p>(7) description &amp; features  Input consists of data collected from seismic section and velocity analysis reports. The objective is to provide an aid to determine optimum locators for drilling wells by analyzing velocity trends and seismic point data. Output: Analysis Report, Velocity Analysis/Sandstone Report.</p>			
<p>(8) geographical identifications  Seismic line no., area.</p>			
<p>(9) storage medium: electronic  floppy disc minicomputer</p>		<p>hard copy</p>	
		<p>(10) spatial character:  point, areal</p>	
		<p>(11) scale of maps:</p>	
<p>(12) origin of data:  Companies</p>		<p>(13) contacts:  D. Sherwin Director General Resource Evaluation Branch Canada Oil and Gas Land Administration Tower "B", 355 River Road Vanier, Ontario K1L 8C1</p>	

## OIL AND GAS LAND RIGHTS SYSTEM

(1) agency name: Canada Oil and Gas Lands Administration Northern Affairs Department of Indian Affairs and Northern Development		(2) date: 1972	(3) periodicity: on-going	(4) area: NWT & Yukon	(5) file size: 10,000 records
(6) Keywords: (subject and variables)  Lease, Permit, Oil and gas rights, work obligations, deposits, rentals, fees, royalties					
(7) description & features No mapping capability. Records disposition of oil and gas rights in the NWT and Yukon. Forecasts date and rentals, notices, internal operations and management analysis reports. Provides accounting of oil and gas rights. Formerly known as the Oil and Gas Land Use and Land Accounting System.					
(8) geographical identifications  NWT and Yukon Grid System (related to longs and lat.) Minimum area "target area" 600' x 600'					
(9) storage medium: electronic  hard disc		hard copy		(10) spatial character:  areal	
(11) scale of maps:					
(12) origin of data:			(13) contacts: J. Barrett Head Oil and Gas Rights Canada Oil and Gas Lands Administration Tower "B", 355 River Road Vanier, Ontario K1L 8C1		



## NORTHERN FOREST INVENTORY SYSTEM II

(1) agency name:  Renewable Resources Branch Northern Affairs Program DIAND		(2) date: 1978	(3) periodicity: six-year project	(4) area:	(5) file size: area 300,000 records
(6) Keywords: (subject and variables)  Forest characteristics of all lumber stands north of 60°. Information suitable for statistical analysis concerning type, state and growth of northern forests. Coverage for following Forest Management Units 1. Lower Liard, 2. Slave, 3. Nisutlin, 4. La Biche					
(7) description & features  Map sheet number, Timber Harvest zone, stand no.					
(8) geographical identifications					
(9) storage medium: electronic machine readable	hard copy		(10) spatial character:  areal		
		(11) scale of maps: 1:25,000			
(12) origin of data:  DIAND Forest Resources Division		(13) contacts:  Mr. Mike Fajrajsl Forest Resources Renewable Resources Branch Northern Affairs Program, DIAND Ottawa, Ont. K1A 0H4 (613) 997-0048			

AERIAL PHOTOGRAPHY INTERPRETED FOR FORESTRY

<p>(1) agency name:  Renewable Resources Branch Northern Affairs Program DIAND</p>		<p>(2) date: 1978</p>
		<p>(3) periodicity: N/A</p>
		<p>(4) area: Yukon</p>
		<p>(5) file size:</p>
<p>(6) Keywords: (subject and variables)</p> <p>Aerial photography: forest cover types, duplicate from maps</p>		
<p>(7) description &amp; features</p> <p>Aerial photography, interpreted for the following forest cover types;</p> <p>a) pure white spruce or pine b) white spruce - conifers mixed c) white spruce - hardwood mixed d) others</p> <p>Coverage for Forestry Management Unit; 1. Slave, 2. Lower Liard, 3. Nisutlin, 4. La Biche</p>		
<p>(8) geographical identifications</p> <p>Flight line number</p>		
<p>(9) storage medium: electronic</p>	<p>hard copy Air photos</p>	<p>(10) spatial character:</p>
		<p>(11) scale of maps:</p>
<p>(12) origin of data:  In-house</p>	<p>(13) contacts:  Mr. Mike Fajrajsl Forest Resources Renewable Resources Branch Northern Affairs Program DIAND Hull, Quebec K1A 0H4 (613) 997-0048</p>	



FORESTRY MAPPING

<p>(1) agency name:  Renewable Resources Branch Northern Affairs Program DIAND</p>		<p>(2) date: 1978</p> <p>(3) periodicity: as required</p> <p>(4) area: Yukon</p> <p>(5) file size:</p>
<p>(6) Keywords: (subject and variables)</p> <p>Forest Map. burned, non-productive, single story, two story, multistoried, basal area, structure, species, age class, density, height class.</p>		
<p>(7) description &amp; features</p> <p>Maps for following Forest Management Units. 1. Lower Liard, 2. Slave, 3. Nisutlin, (partial). This mapping of air-photo interpretation is conducted as conditions permit.</p>		
<p>(8) geographical identifications</p>		
<p>(9) storage medium: electronic</p>	<p>hard copy maps/overlays</p>	<p>(10) spatial character:  areal</p> <p>(11) scale of maps: 1:25,000</p>
<p>(12) origin of data:  in-house</p>	<p>(13) contacts:  Mr. Mike Fajrajsl, Forest Resources Renewable Resources Branch DIAND Ottawa, Ontario K1A 0H4 (613) 997-0048</p>	



## NORTHERN STATISTICAL INFORMATION CENTRE

## - BIBLIOGRAPHIC -

## (1) agency name:

Northern Economic Planning  
Northern Affairs  
DIAND

## (2) date:

(3) periodicity: on-going

(4) area: NWT &amp; Yukon

## (5) file size:

## (6) Keywords: (subject and variables)

Demographic, socio-economic

## (7) description &amp; features

A system to store and retrieve information and statistical data on the Territories within the broad spectrum of socio-economic and demographic. The centre maintains reports, conference documents, individual papers, maps, charts, acts, annual reports, periodicals, publications, statistical information series; it is open to the public. Both manual and computerized systems are included.

## (8) geographical identifications

Unknown

(9) storage medium:  
electronic

hard copy  
tables  
maps/overlays  
reports  
publications

## (10) spatial character:

## (11) scale of maps:

## (12) origin of data:

## (13) contacts:

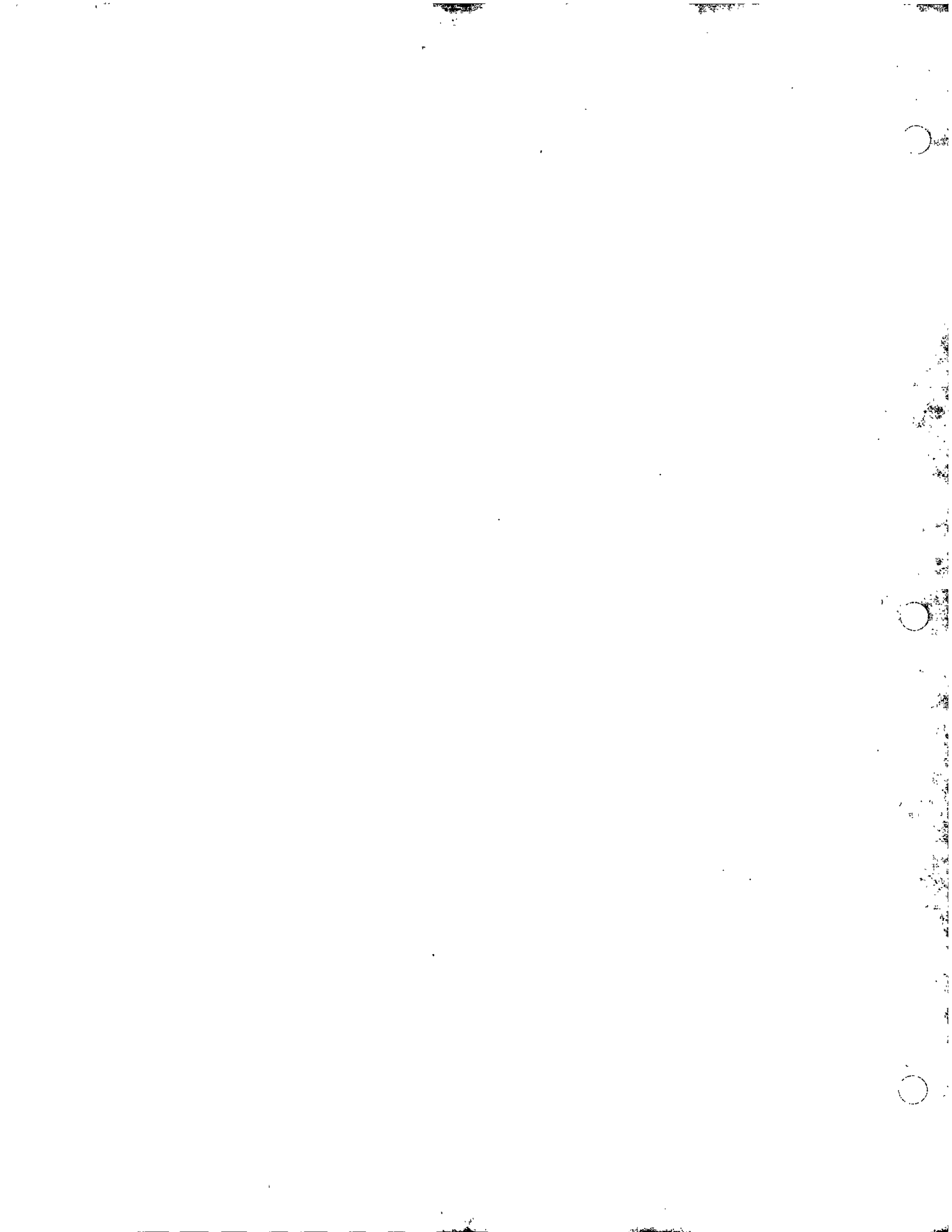
Dr. D.E. Stewart  
Northern Economic Planning  
Branch, DIAND  
6th Floor, Les Terrasses de la  
Chaudière  
Hull, Quebec K1A 0H4  
(819) 997-0550



## MAJOR PROJECTS DOCUMENTATION CENTRE

## - BIBLIOGRAPHIC -

(1) agency name:  Major Projects Assessment Branch Northern Affairs DIAND		(2) date: 1974	(3) periodicity: on-going	(4) area: North of 60°	(5) file size:
(6) Keywords: (subject and variables)  Pipeline projects, proposals, applications, hearings. Northern, hydrocarbon, transportation, environmental, social, technical, political, legal, tanker					
(7) description & features Contains for easy access, reports, studies, applications, supporting material, exhibits, and transcripts to Mackenzie Valley Pipeline Inquiry, Alaska Highway Pipeline Inquiry, Dome Petroleum Beaufort Sea Proposals, Arctic Pilot Project, Polar Gas Proposals, Normal Wells and other northern hydrocarbon transport proposals and related legislation. NEB and EARP hearings, TERMPOL code assessment.					
(8) geographical identifications Descriptive: name.					
(9) storage medium: electronic	hard copy publicatins reports legislation	(10) spatial character:			
		(11) scale of maps: Various			
(12) origin of data:  Public Hearings, Companies, Consultants, Governments		(13) contacts:  Mr. Kelly Riley Documentation Centre Major Projects Assessment Branch Indian Affairs and Northern Development 8th Floor, Terrasses de la Chaudière Hull, Quebec K1A 0H4 (819)997-0990			



## INUIT LAND USE AND OCCUPANCY PROJECT: LAND USE ATLAS (VOL III)

(1) agency name:  Northern Coordination and Social Development Branch Northern Affairs Program Department of Indian Affairs and Northern Development		(2) date: 1976	(3) periodicity: Published 1976
		(4) area: NWT	(5) file size: 153 maps
(6) Keywords: (subject and variables)  Land Use, hunting, trapping, wildlife distribution/movement, place names, campsites, personal map biographies, interviews, field notes			
(7) description & features While Vol I "Land Use and Occupancy" contains 143 maps almost all contain place names only. Volumes I and II are mostly textual; regional descriptions of Inuit Land Use and supporting studies respectively. Volume III contains only the land use maps depicting hunting and trapping time service maps. Source maps and unpublished wildlife and place name maps are held by National Map Collection, Public Archives, 395 Wellington St., Ottawa, K1A 0N3 (613) 995-1077 Sound Tapes held by Sound Archives Section, National Film Archives, (613) 995-1311 and data punch cards and digitized data by Machine Readable Archives, (613) 997-3080 also of the Public Archives.			
(8) geographical identifications Lats and longs			
(9) storage medium: electronic	hard copy  maps/overlays	(10) spatial character:  areal	
		(11) scale of maps: 1:500,000	
(12) origin of data:  Field work		(13) contacts: G. Abrahamson Chief Social and Cultural Development Division Northern Affairs Dept. of Indian Affairs and Northern Development Ottawa, Ontario K1A 0H4	





CURRENT AND RECENT RESEARCH AND STUDIES RELATING TO NORTHERN SOCIAL CONCERNS

(1) agency name:

Northern Coordination & Social  
Development  
Northern Affairs Program  
Department of Indian Affairs and  
Northern Development

(2) date: 1976-1981

(3) periodicity: Terminated

(4) area: Canada (North of 60°)

(5) file size: 2,000

(6) Keywords: (subject and variables)

Title: Geographical location, purpose, methodology, findings, research  
institute, project begun, contact

(7) description & features

Bibliographic style reports are available which list vital information concerning  
research projects. The same information is also accessible on Can Ole.  
Extensive coverage and carefully cross-referenced both by subject and  
geographical location. Updating will not continued after 1981.

(8) geographical identifications  
and general area name

(9) storage medium:  
electronic

hard copy  
Publication

(10) spatial character:

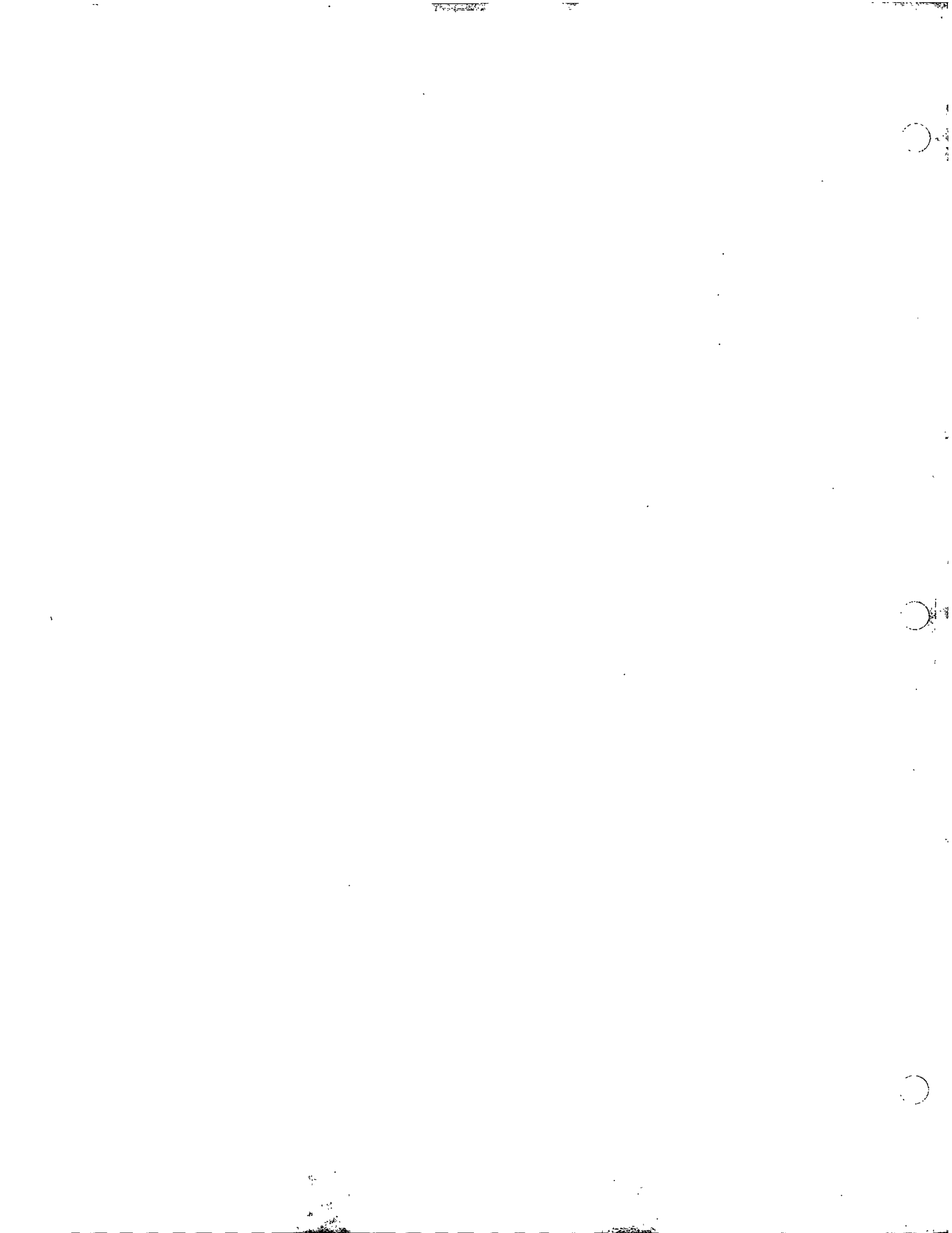
(11) scale of maps:  
N/A

(12) origin of data:

In-house collection of  
(information provided  
by researchers undertaking  
project)

(13) contacts:

Donat Savoie, Chief  
Northern Social Research Division  
Northern Affairs, DIAND  
Ottawa, Ontario K1A 0H4  
(613)997-9666



INDIAN LAND REGISTRY

<p>(1) agency name: Reserves and Trusts Branch Indian and Inuit Affairs Department of Indian Affairs and Northern Development</p>		<p>(2) date:</p>	
		<p>(3) periodicity: On-going</p>	
		<p>(4) area: Canada</p>	
		<p>(5) file size: 1,634 books, containing a total of 183,610 pages, 6,000 entries/year</p>	
<p>(6) Keywords: (subject and variables) Abstracts: Reserve General, Surrendered Land, Parcel Land Registry. Crown Lands, Provincial General, Canada General</p>			
<p>(7) description &amp; features Registry contains land title information for 2,300 indian reserves, including abstracts describing legal description, easements, leases, alienation, additions and deletions to Reserves, permits, individual interests of Indians and Non-Indians in Indian land. The system is not computerized. Copies of abstracts are available through regional offices as well as through headquarters.</p>			
<p>(8) geographical identifications  Survey plans</p>			
<p>(9) storage medium: electronic  floppy disc hard disc</p>		<p>hard copy  index cards maps/overlays registry books</p>	
		<p>(10) spatial character:  areal</p>	
		<p>(11) scale of maps: Various</p>	
<p>(12) origin of data:  DIAND - in-house Indian band offices</p>		<p>(13) contacts: Mr. Hubert Ryan Chief Indian Lands Registry and Entitlement Division Indian and Inuit Affairs Department of Indian Affairs and Northern Development Ottawa, Ontario K1A 0H4 (819) 994-2990</p>	



## RESERVE DATA RECORD

(1) agency name: Reserves and Trusts Branch Indian and Inuit Affairs Department of Indian Affairs and Northern Development		(2) date: 1970	(3) periodicity: annual	(4) area: Canada	(5) file size: 2,250 records, 3 per page
(6) Keywords: (subject and variables)  Land Use, Area, Accessibility, Responsibility Centre, Band, Educational Facility, Population					
(7) description & features  Statistical inventory providing basic reserve data. Land use classification; forest, agriculture, water and other. Inventoried area all Indian reserves (circa 2,250), both occupied (approx 1,450) and unoccupied (circa 800). Time series information is <u>not</u> available.					
(8) geographical identifications  Centroid points of reserves identified by lat. and longs and written description.					
(9) storage medium: electronic		hard copy  paper record forms		(10) spatial character:  semi-spatial	
		(11) scale of maps: none			
(12) origin of data:  In-house and 1968 Forestry Service Survey			(13) contacts:  Mr. Y. Zayachkowski Reserves and Trusts Indian and Inuit Affairs Department of Indian and Northern Development Ottawa, Ontario K1A 0H4 (819) 994-1102		

REGISTERED INDIAN MEMBERSHIP STATISTICS

<p>(1) agency name: Reserves and Trust Branch Indian &amp; Inuit Affairs Program Department of Indian Affairs and Northern Development</p>		<p>(2) date: 1966</p>	<p>(3) periodicity: annual</p>	<p>(4) area: Canada</p>	<p>(5) file size:</p>
<p>(6) Keywords: (subject and variables) Registered Indian Population</p>					
<p>(7) description &amp; features Computer outputted annually as of Dec 31. Provides membership counts by single years of age, sex and type of residence (beginning 1966) and by age-group, sex, and marital status (beginning 1969). Available by band; agency, district, service centre or regional office; province; region; and nationwide. Annual publication "Registered Indian population by sex and residence" and other statistics available through contact person.</p>					
<p>(8) geographical identifications Name, province, region, band.</p>					
<p>(9) storage medium: electronic magnetic tape annual publication</p>		<p>hard copy</p>		<p>(10) spatial character: semi-spatial</p>	
		<p>(11) scale of maps: none</p>			
<p>(12) origin of data: Reserves and TRusts (in-house)</p>			<p>(13) contacts: Mr. W. Zayachkowski Reserves and Trusts Department of Indian Affairs and Northern Development Ottawa, Ontario K1A 0H4 (819) 994-1102</p>		

TREATIES AND HISTORICAL RESEARCH CENTRE

<p>(1) agency name:                  Research Branch                  Corporate Policy                  Indian and Northern Affairs                  Department of Indian Affairs and                  Northern Development</p>		<p>(2) date: 1968</p>	<p>(3) periodicity: on-going</p>
		<p>(4) area: Canada, USA, Australia,                  New Zealand</p>	<p>(5) file size: Document listing                  available on request</p>
<p>(6) Keywords: (subject and variables)</p> <p>Historical; treaties; claims processes, and settlement mechanisms; Indian Act; Aboriginal Rights; Native Law.</p>			
<p>(7) description &amp; features</p> <p>Centre maintains historical and legal articles, maps, charts, tables on Canadian Indian Treaties, related aboriginal rights, Indian Act Legislation and selected background legislation. Services provided include reading room facilities, counsel on research sources, file collection, specific claim situation, photocopying facility.</p>			
<p>(8) geographical identifications</p> <p>Descriptive</p>			
<p>(9) storage medium:                  electronic</p>	<p>hard copy                  tables                  charts/graphs                  maps/overlays</p>	<p>(10) spatial character:                  areal</p>	
		<p>(11) scale of maps:                  various</p>	
<p>(12) origin of data:                  In-house government                  Courts                  Universities                  Contract research                  Archival research</p>		<p>(13) contacts:                  J. Leslie, Chief                  Treaties &amp; Historical Research Centre                  Research Branch                  19th Floor, Les Terrasses de la Chaudière                  Hull, Quebec                  K1A 0H4                  (819) 994-1182, 994-1183</p>	





MINERAL RIGHTS

<p>(1) agency name:                  Yukon Region                  Northern Affairs Program                  Indian Affairs and Northern Developmnet</p>		<p>(2) date:</p>
		<p>(3) periodicity: daily</p>
		<p>(4) area: Yukon</p>
		<p>(5) file size: 700 maps and                  100,000 plus files.</p>
<p>(6) Keywords: (subject and variables)                  Mining claims; placer, quartz, dredging, coal, prospecting leases.</p>		
<p>(7) description &amp; features Boundaries of mineral disposition, 4 mining districts (1,565,000 hectares approx.) plotted on maps. Claim polygons annotated with record No, Grant No, Lease No, and claim name. Claim plots can be in error due to information from miners, miners' sketches and/or staking. Map is not legal records. All claims field and documented are given Cross Reference No. Claim files contain; application, sketch or copy maps, copy of record, grant or lease, legal description of claim, transfer of interest, agreements, caveats, liens. Claim files also include entry record no., owner's cards, lapsing cards, record sheets, inspection approval. Other additional information includes groupings, renewals and other historical data.</p>		
<p>(8) geographical identifications                  Rivers, creeks, mountains, valleys, national parks, pipeline corridor. If topographic features are absent, then longitude and latitude used.</p>		
<p>(9) storage medium:                  electronic</p>	<p>hard copy                  index cards                  maps/overlays                  other</p>	<p>(10) spatial character:                  areal</p>
		<p>(11) scale of maps:                  1:31,680 and 1:10,000</p>
<p>(12) origin of data:                  Yukon Region                  Mining Recorders Office,                  miners and industry</p>	<p>(13) contacts:                  Blake Baxter                  Mineral Rights Section,                  Non-Renewable Resources, DIAND                  200 Range Road                  Whitehorse, Yukon Y1A 3V1                  (403) 668-5151                  MINING RECORDERS AT:                  Dawson Mining District                  Box 249, Dawson City, Yukon                  (403) 93-5343                  Watson Lake Mining Dist.                  Box 269, Watson Lake, Yukon                  (403) 536-7366                  Whitehorse Mining District                  Room 22A, Federal Building                  Whitehorse, Yukon                  (403) 668-5151, ext. 145                  Mayo Mining District                  Box 10, Mayo, Yukon                  (403) 996-2256</p>	

MINERAL INVENTORY MAPS AND LIST OF RELATED DATA

<p>(1) agency name: Yukon Region Northern Affairs Department of Indian Affairs and Northern Development</p>		<p>(2) date: 1981</p>	<p>(3) periodicity: annual update</p>
		<p>(4) area: Yukon</p>	<p>(5) file size: 42 sheets, 4,000 entries (list)</p>
<p>(6) Keywords: (subject and variables) Minerals: inventory, occurrence, claims, placer, quartz</p>			
<p>(7) description &amp; features Sets of maps showing mineral occurrences; numbered to relate to list. Also includes claim group boundaries of 1980 placer and quartz claims and 1981 staked claims. Set reduced for publication in Yukon Mineral Industry Review List data includes mineralization information and publications references.</p>			
<p>(8) geographical identifications Lat/long NTS map</p>			
<p>(9) storage medium: electronic</p>	<p>hard copy tables maps/overlays</p>	<p>(10) spatial character: point, areal</p>	<p>(11) scale of maps: 1:250,000</p>
<p>(12) origin of data: Yukon Region DIAND (in-house)</p>		<p>(13) contacts: Regional Geologist Geology Section Non-Renewable Resources, DIAND 200 Range Road Whitehorse, Yukon Y1A 3S9 (403) 668-5151</p>	

COMPANY ASSESSMENT REPORTS

<p>(1) agency name:                  Yukon Region                  Northern Affairs Program                  Department of Indian Affairs and                  Northern Development</p>		<p>(2) date:</p>	<p>(3) periodicity:</p>	<p>(4) area: Yukon, NWT</p>	<p>(5) file size: circa 6,500</p>
<p>(6) Keywords: (subject and variables)                  Exploration, Assessment Reports: drilling, geology, geophysical, geochemical, prospecting, representation work.</p>					
<p>(7) description &amp; features                  Unpublished company data - assessment reports, etc. covers diamond drilling, geophysical and geochemical surveys; evaluation and feasibility studies. No public access until claim lapses. Many include maps or sketch maps. No standard format for data. Reports mostly 8½ x 11 size.</p>					
<p>(8) geographical identifications                  NTS map sheet ref. no. Name and textual description, sketch maps, other maps.</p>					
<p>(9) storage medium:                  electronic</p>	<p>hard copy                  maps/overlays                  paper records</p>		<p>(10) spatial character:</p>	<p>(11) scale of maps:                  Various</p>	
<p>(12) origin of data:                  Geology Section                  DIAND Whitehorse,                  companies</p>			<p>(13) contacts:                  Regional Geologist                  Non-Renewable Resources,                  Department of Indian Affairs and                  Northern Development                  200 Range Road                  Whitehorse, Yukon Y1A 3S9                  (403) 668-51512</p>		



LAND INVENTORY AND INSPECTION FOR LEASE IMPROVEMENT OR TERMINATION  
(FEDERAL TERRITORIAL LAND ACT COMMITTEE)

<p>(1) agency name: Yukon Region Northern Affairs Department of Indian Affairs and Northern Development</p>		<p>(2) date:</p>	<p>(3) periodicity: On-going</p>
		<p>(4) area: Yukon</p>	<p>(5) file size: 450-600 per year</p>
<p>(6) Keywords: (subject and variables) Land use; lease, improvements, buildings, cleared land, agricultural production, animal husbandry.</p>			
<p>(7) description &amp; features Assessment for land application for a) lease, b) grazing, c) agriculture, d) commercial. Includes description of lands, acreage, vegetation, soil type, water sensitive areas, slope, water bodies, water courses, location of improvements and impact, water sources and demand, intended clearing, levelling or earth moving, access, services. Sketch plan with North arrow, sometimes photographs. Standardized form since 1976. Also includes inspection of improvements, description of improvements, status of building (stage of completion), clearing/breakdown/production (agricultural) animal husbandry, other improvements.</p>			
<p>(8) geographical identifications Textual description and sketch plan. Lats and longs of site NTS map sheet, group sheet no., lot no., block no., and lease no.</p>			
<p>(9) storage medium: electronic</p>	<p>hard copy forms</p>	<p>(10) spatial character: areal</p>	
		<p>(11) scale of maps:</p>	
<p>(12) origin of data: Field Operations Yukon Region (in-house)</p>		<p>(13) contacts: Cliff Barr Federal Lands Renewable Resources Department of Indian Affairs and Northern Development 200 Range Road Whitehorse, Yukon Y1A 3S9 (403) 668-5151</p>	

## TABLES OF LAND STATUS AND LAND USE STATISTICS - YUKON ROAD SYSTEM

(1) agency name: Yukon Region Northern Affairs Department of Indian Affairs and Northern Development		(2) date: 1979	(3) periodicity:
		(4) area:	(5) file size: 94 tables (120 sheets)
(6) Keywords: (subject and variables) Land use, land status, land holder, occupant area, lot-no., land tenure roads; road kilometer.			
(7) description & features Tables for each disposition or use of land shown on Land Status and Land Use Maps. Yukon Roads System showing road kilometer distances, cardinal point direction of the disposition from the highway. Each of the 94 map sheets has a separate table.			
(8) geographical identifications NTS topographic sheet no., group sheet no., lot no.			
(9) storage medium: electronic	hard copy  tables	(10) spatial character:	
		(11) scale of maps:	
(12) origin of data: Lands Directorate Environment Canada Vancouver, B.C.		(13) contacts: Cliff Barr Federal Lands Renewable Resources Department of Indian Affairs and Northern Development 200 Range Road Whitehorse, Yukon (403) 668-5152	

MAPS OF LAND STATUS AND LAND USE (2978) - YUKON ROAD SYSTEM

<p>(1) agency name:                  Yukon Region                  Northern Affairs                  Department of Indian Affairs and                  Northern Development</p>		<p>(2) date: 1978</p> <p>(3) periodicity: N/A</p> <p>(4) area: Yukon</p> <p>(5) file size: 94 map sheets 10 @                  1:250,000; 84 @ 1:50,000</p>
<p>(6) Keywords: (subject and variables)                  Land use: residential agricultural, grazing, sawmills, lodges/motels, commercial facilities, petroleum, storage/utilities, communications, airstrips, campgrounds, general recreation, cemeteries/churches/historical sites, bridgehead reserves, earth removal/storage/garbage dumps, mining, reserve for native use idle/abandoned, native residence, squatter, isolated indian graves/spirit houses.</p>		
<p>(7) description &amp; features                  Map series depicting 1978 land status and some forms of land use for 5 mi. wide corridor along major roads (<u>excluding</u> Haines Road and Alaska Highway). Information used for compilation was that available in Sept. 1978.</p>		
<p>(8) geographical identifications                  UTM, lats and longs. NTS mapsheets, reservation no., lot no., lease no., agreement for sale no.</p>		
<p>(9) storage medium:                  electronic</p>	<p>hard copy                  maps/overlays</p>	<p>(10) spatial character:                  point, line, areal</p> <p>(11) scale of maps:                  1:250,000; 1:50,000</p>
<p>(12) origin of data:                  Lands Directorate                  Environment Canada                  Vancouver, B.C.</p>	<p>(13) contacts:                  Cliff Barr                  Federal Lands                  Renewable Resources                  Department of Indian Affairs and                  Northern Development                  200 Range Road                  Whitehorse, Yukon Y1A 3S9                  (403) 668-5151</p>	





## LAND USE INSPECTION REPORTS (TERRITORIAL LAND USE REGULATIONS)

<b>(1) agency name:</b> Yukon Region Northern Affairs Department of Indian Affairs and Northern Development		<b>(2) date:</b> 1970	<b>(3) periodicity:</b> on-going	<b>(4) area:</b> Yukon	<b>(5) file size:</b> 7-9000 forms
<b>(6) Keywords: (subject and variables)</b> Land use: inspection, brush disposal, erosion control, pollution prevention					
<b>(7) description &amp; features</b> Land use inspector's report on adherence to land use permit conditions and standards. Conditions are listed and noted acceptable, unacceptable or not applicable. Form is stand format. Inspections may be multiple, especially in case of mineral land use. Info. includes permit no., location, contractor, sub contractors, inspection date, date operations commenced, current stage of program and odifications (if any).					
<b>(8) geographical identifications</b> Permit no., textual description of location of site.					
<b>(9) storage medium:</b> electronic		hard copy		<b>(10) spatial character:</b>	
				<b>(11) scale of maps:</b>	
<b>(12) origin of data:</b> Field Operations Yukon Region (in-house)			<b>(13) contacts:</b> Cliff Barr Land Resources Renewable Resources Department of Indian Affairs and Northern Development 200 Range Road Whitehorse, Yukon Y1A 3S9 (403) 668-5151		

WHITEHORSE SOUTH STUDY THEMATIC MAPS

<p>(1) agency name: Yukon Region Northern Affairs Department of Indian Affairs and Northern Development</p>		<p>(2) date: 1979</p>
		<p>(3) periodicity: N/A</p>
		<p>(4) area: Whitehorse, Yukon</p>
		<p>(5) file size: 9 sets of 2-4 sheets each</p>
<p>(6) Keywords: (subject and variables)</p> <p>Recreation; heritage, areas, sites. Agriculture; capability, soil, crop suitability. Fisheries; fish distribution, spawning grounds. Forest; Administration Districts. Land Use; leases, reservations, suitability for settlement. Mining Resources. Base Map.</p>		
<p>(7) description &amp; features</p> <p>Series of thematic maps including recreation, agriculture, agriculture capability, fisheries, forest, administrative districts, existing land use, suitability for settlement, final map of proposed uses. 20 fisheries and oceans files stored.</p>		
<p>(8) geographical identifications</p> <p>UTM, lat/long, NTS maps some textual description.</p>		
<p>(9) storage medium: electronic</p>	<p>hard copy maps/overlays</p>	<p>(10) spatial character: point, areal</p>
		<p>(11) scale of maps: 1:250,000</p>
<p>(12) origin of data: In-house CanSIS Lands Directorate Fisheries and Oceans Shultz/Teriault 1979 DIAND 1955 YTG Land Assessment</p>		<p>(13) contacts: Bruce Chambers Land Resources Renewable Resources Department of Indian Affairs and Northern Development 200 Range Road Whitehorse, Yukon Y1A 3S9 (403) 668-5141</p>

SNOW SURVEY DATA

<p>(1) agency name:                  Yukon Region                  Northern Affairs                  Department of Indian Affairs                  and Northern Development</p>		<p>(2) date:</p>	<p>(3) periodicity:</p>	<p>(4) area:</p>	<p>(5) file size: 1,500 forms                  2-300 new each year</p>
<p>(6) Keywords: (subject and variables)                  Snow depths</p>					
<p>(7) description &amp; features                  Snow depths measured at 50 locations 6 times per year (Feb 1, March 1, Apr 1, May 1, May 15, June 1); 5-10 samples per site. Stations Yukon wide but sparse in Northern Yukon. Statistical summaries</p>					
<p>(8) geographical identifications                  Name of station, lat/long (to nearest minute)                  or textual description</p>					
<p>(9) storage medium:                  electronic</p>		<p>hard copy                  tables                  forms</p>		<p>(10) spatial character:                  point</p>	
		<p>(11) scale of maps:</p>			
<p>(12) origin of data:                  Yukon Region                  DIAND - in-house</p>			<p>(13) contacts:                  Water Resources                  Renewable Resources,                  Department of Indian Affairs and                  Northern Development                  200 Range Road                  Whitehorse, Yukon Y1A 3S9                  (403) 668-5151</p>		

## FLOOD FREQUENCY AND FORECASTING DATA

<b>(1) agency name:</b> Yukon Region Northern Affairs Department of Indian Affairs and Northern Development		<b>(2) date:</b> 1977	<b>(3) periodicity:</b>
		<b>(4) area:</b> Yukon	<b>(5) file size:</b> 150 sheets (printouts) + 50 per year
<b>(6) Keywords: (subject and variables)</b>  Flood frequency			
<b>(7) description &amp; features</b> Flood frequency analysis - 50-year return period flood; 10 variables. Statistics generated in response to flood management requirements about 50 times per year. Flood forecasting for Ross River and Mayo.			
<b>(8) geographical identifications</b>  Textual description (e.g. highway mile post) lat/long to nearest minute			
<b>(9) storage medium:</b> electronic  hard disc	hard copy  Computer printout sheets	<b>(10) spatial character:</b>  point	
		<b>(11) scale of maps:</b>	
<b>(12) origin of data:</b>  DIAND, Yukon Region (in-house)		<b>(13) contacts:</b>  Water Resources Department of Indian Affairs and Northern Development 200 Range Road Whitehorse, Yukon Y1A 3S9 (403) 668-5151	

WATER QUALITY DATA

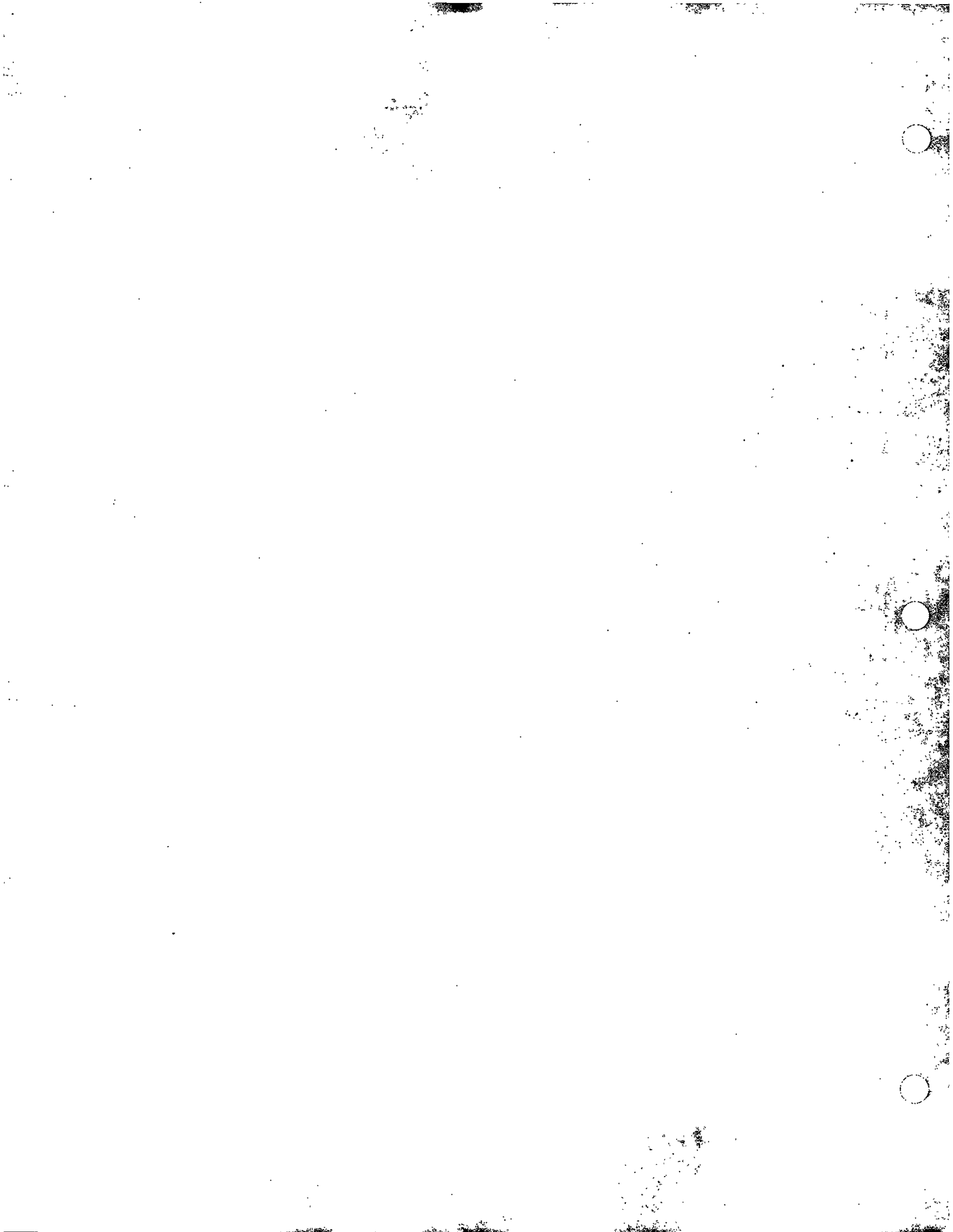
<p>(1) agency name: Yukon Region Northern Affairs Program Indian Affairs and Northern Development</p>		<p>(2) date: 1970</p> <p>(3) periodicity: on-going</p> <p>(4) area: Yukon</p> <p>(5) file size:</p>
<p>(6) Keywords: (subject and variables)</p> <p>Water quality, effluent, receiving, trends, mines, municipalities, baseline, proposed.</p>		
<p>(7) description &amp; features</p> <p>Is comprised of several data sources related to water use licence and authorization applications and regulation; including development baseline assessments, compliance monitoring data and receiving water baseline collections.</p>		
<p>(8) geographical identifications</p> <p>Textual; site maps; stream/well name; sketch maps</p>		
<p>(9) storage medium: electronic</p>	<p>hard copy</p>	<p>(10) spatial character: point</p>
		<p>(11) scale of maps: Various (large scale)</p>
<p>(12) origin of data:</p>	<p>(13) contacts: Jack Nickel Water Resources Renewable Resources Department of Indian Affairs and Northern Development 200 Range Road Whitehorse, Yukon Y1A 3S9 (403) 668-5152</p>	

## SMALL STREAM INVESTIGATION

(1) agency name: Yukon Region Northern Affairs Department of Indian Affairs and Northern Development		(2) date: 1975	(3) periodicity: on-going, annual
		(4) area: Yukon	(5) file size: Several annual summary reports, 80 maps, 1 list, 65 graphs, 65 streams
(6) Keywords: (subject and variables)  Streams: flow, watershed, water level, flow elevation, peak gauge height, cross sections.			
(7) description & features Small stream data is collected for up to a minimum of 65 streams, depending on theme. Themes and watershed identification are as follows; watershed boundaries (maps and list of areas); Meter Notes (1974 on for 60 stations); Water Level Strip Chart (30 stations); Daily Flows (30 stations, 1977 on); Graph of Flow Elevation (60 stations - 1975 on. Strip Charts analog line is digitized. Meter notes in forms and computer printout. Peak Gauge Height (40 stations - 1975 on); Small Stream Cross Sections (25 stations - 50 m either side of station. Publication contains 4 maps (circa 1:2.5 million) Data is not included in Inland Waters System.			
(8) geographical identifications  Name of station, general descriptions, NTS maps			
(9) storage medium: electronic	hard copy tables charts/graphs maps/overlays list reports	(10) spatial character:  areal	
		(11) scale of maps: 1:50,000; 1:250,000; 1:2.5 million	
(12) origin of data:  Yukon Region - DIAND (in house)		(13) contacts: Jerry McLachlan Water Resources Technologist Renewable Resources, DIAND 200 Range Road Whitehorse, Yukon Y1A 3S9 (403) 668-5151	

WATER USE LICENCE APPLICATIONS SYSTEMS

<p><b>(1) agency name:</b>                  Yukon Region                  Northern Affairs                  Department of Indian Affairs and                  Northern Development</p>		<p><b>(2) date:</b></p>	<p><b>(3) periodicity:</b> on-going</p>
		<p><b>(4) area:</b> Yukon</p>	<p><b>(5) file size:</b> 1,000 plus each year</p>
<p><b>(6) Keywords: (subject and variables)</b>                  Water quality: licence, authorization, clasification of use, location, claim bumbers, operator, efficient quality.</p>			
<p><b>(7) description &amp; features</b>                  Name and address of application, loçation, nature and purpose of undertaking, water use classification, quality of water returned, quantity of water involved, other properties affected with location and owners, contractor, sub-contractor (names, address, function) time schedule, fees. Including both Placer Miner Application file and water use license, amendments and renewal or authorization file.</p>			
<p><b>(8) geographical identifications</b>                  Textual maps (various).</p>			
<p><b>(9) storage medium:</b>                  electronic</p>	<p>hard copy</p>	<p><b>(10) spatial character:</b>                  point</p>	<p><b>(11) scale of maps:</b>                  Various</p>
<p><b>(12) origin of data:</b>                  Proponents, consultants</p>		<p><b>(13) contacts:</b>                  Bud McAlpine                  Water Resources                  Renewable Resources                  Department of Indian Affairs and                  Northern Development                  200 Range Road                  Whitehorse, Yukon Y1A 3S9                  (403) 668-5151</p>	





## TOURISM REFERENCE AND DATA CENTRES (TRDC)

## -BIBLIOGRAPHIC

<b>(1) agency name:</b> Administrative Services Canadian Government Office of Tourism Industry Trade and Commerce		<b>(2) date:</b> 1975	<b>(3) periodicity:</b> on-going
		<b>(4) area:</b> Canada (and international)	<b>(5) file size:</b> 5,000 + citations and documents
<b>(6) Keywords: (subject and variables)</b> 1,500 descriptors, including: Land-holdings, -resources, -use; topology; site selection; rural development; agriculture; forests; ecology; game reserves; wilderness areas; camping; historical parks, sport fishing; outdoor recreation, -sports; natural attractions; cottages.			
<b>(7) description &amp; features</b> Full public access is available to this on-line system through various libraries, or through annually published catalogues listing holding by descriptor, no charge is associated with either. A fully computerized, bilingual, data base and documentation centre containing bibliographic information on domestic and foreign sources of tourism documentation and data; all referenced documents are maintained and available on inter-library loan basis. As a research aid, documents are classified by type (e.g., plans, forecasts, legislation, on-going research).			
<b>(8) geographical identifications</b> Country, province, region (province), city name			
<b>(9) storage medium:</b> electronic hard disc	<b>hard copy catalogue</b>	<b>(10) spatial character:</b> point, areal	
		<b>(11) scale of maps:</b> N/A	
<b>(12) origin of data:</b>		<b>(13) contacts:</b> Ms. Rae Bradford Manager Tourism Reference and Data Centre Industry Trade and Commerce 240 Sparks St., 3rd Floor, West Ottawa, Ontario K1A 0H6 (613) 95-2754	



RIGHTS-OF-WAY

<p>(1) agency name:                  Right-of-Way Group                  Engineering Branch                  National Energy Board</p>		<p>(2) date:</p>
		<p>(3) periodicity:</p>
		<p>(4) area: 17,000 miles of                  Pipeline in Canada</p>
		<p>(5) file size:                  book of reference -- very large</p>
<p>(6) Keywords: (subject and variables)</p> <p>Location, swath width property owner, navigable waters, highways, railways, power lines, how much land -- crown land, private land, leases in perpetuity.</p>		
<p>(7) description &amp; features</p> <p>Contains all available information on rights-of-way for pipelines in Canada. Indicated are the property owner names, number of owners on right-of-way, navigable waters, highways, railways, power lines how much land required, and leases in perpetuity that are deposited in land titles office.</p>		
<p>(8) geographical identifications</p>		
<p>(9) storage medium:                  electronic</p>	<p>hard copy                  charts/graphs</p>	<p>(10) spatial character:</p>
		<p>(11) scale of maps:</p>
<p>(12) origin of data:</p>	<p>(13) contacts:                  G.E. Marquardt                  Assistant Director                  Right-of-Way Group, National Energy Board                  473 Albert St., Trebla Bldg.,                  Ottawa, Ontario                  K1A 0E5                  (613) 998-3319</p>	



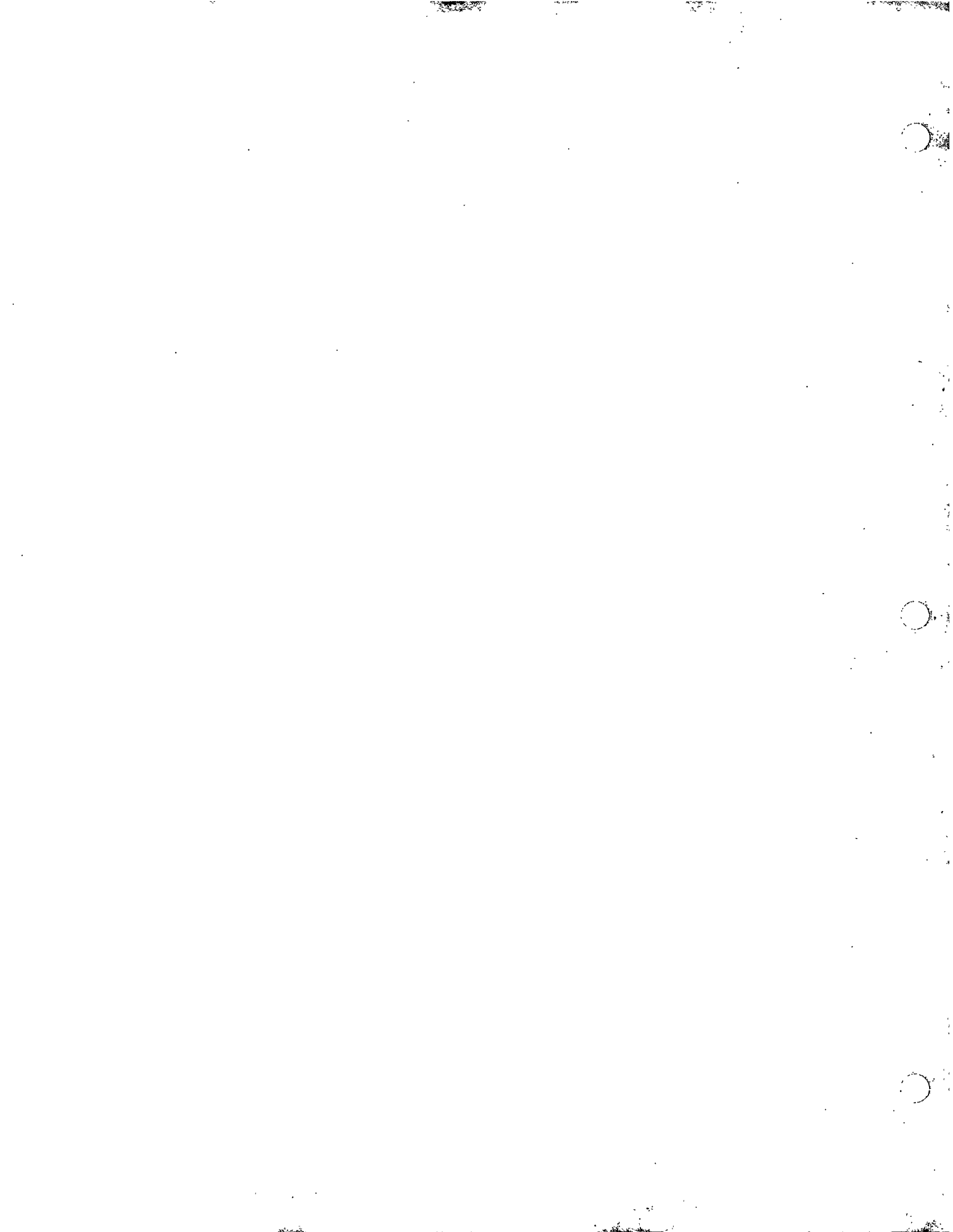
PORT MASTER PLANS

<p>(1) agency name: National Harbours Board (NHB) Policy, Planning and Development Branch</p>		<p>(2) date: 1976</p>	
		<p>(3) periodicity: on-going</p>	
		<p>(4) area: Major Canadian Ports</p>	
		<p>(5) file size: Bound Report, 2-3 volumes per port study.</p>	
<p>(6) Keywords: (subject and variables)</p> <p>Marine orientated but multi-disciplinary planning, port traffic (commodity) projections, marine terminal requirements, transportation infrastructure (road &amp; rail), pre-engineering and conceptual design, environmental impact, land use in port (maps).</p>			
<p>(7) description &amp; features</p> <p>Long range planning (20-30 years) of major ports identifying and making recommendations regarding all future port developments required to serve local, regional and national requirements. Status list attached.</p>			
<p>(8) geographical identifications</p> <p>Longitude and latitude. Topographic maps. Hydrographic charts.</p>			
<p>(9) storage medium: electronic</p>		<p>hard copy maps/overlays Publication usually 8½ x 11 bound copy.</p>	
		<p>(10) spatial character: Areal - Land area, uses defined homogeneously, conceptual to scale.</p>	
		<p>(11) scale of maps: Various large scales</p>	
<p>(12) origin of data: Work contracted to consultants information from all available sources including all levels and departments of government and private industry.</p>		<p>(13) contacts: F. Shane Foreman Senior National Ports Planner Policy Planning &amp; Development Branch National Harbours Board 16th Floor, Tower "A", Place de Ville Ottawa, Ontario K1A 0N6 (613) 593-4665, 593-4054</p>	



NATIONAL MAP COLLECTION

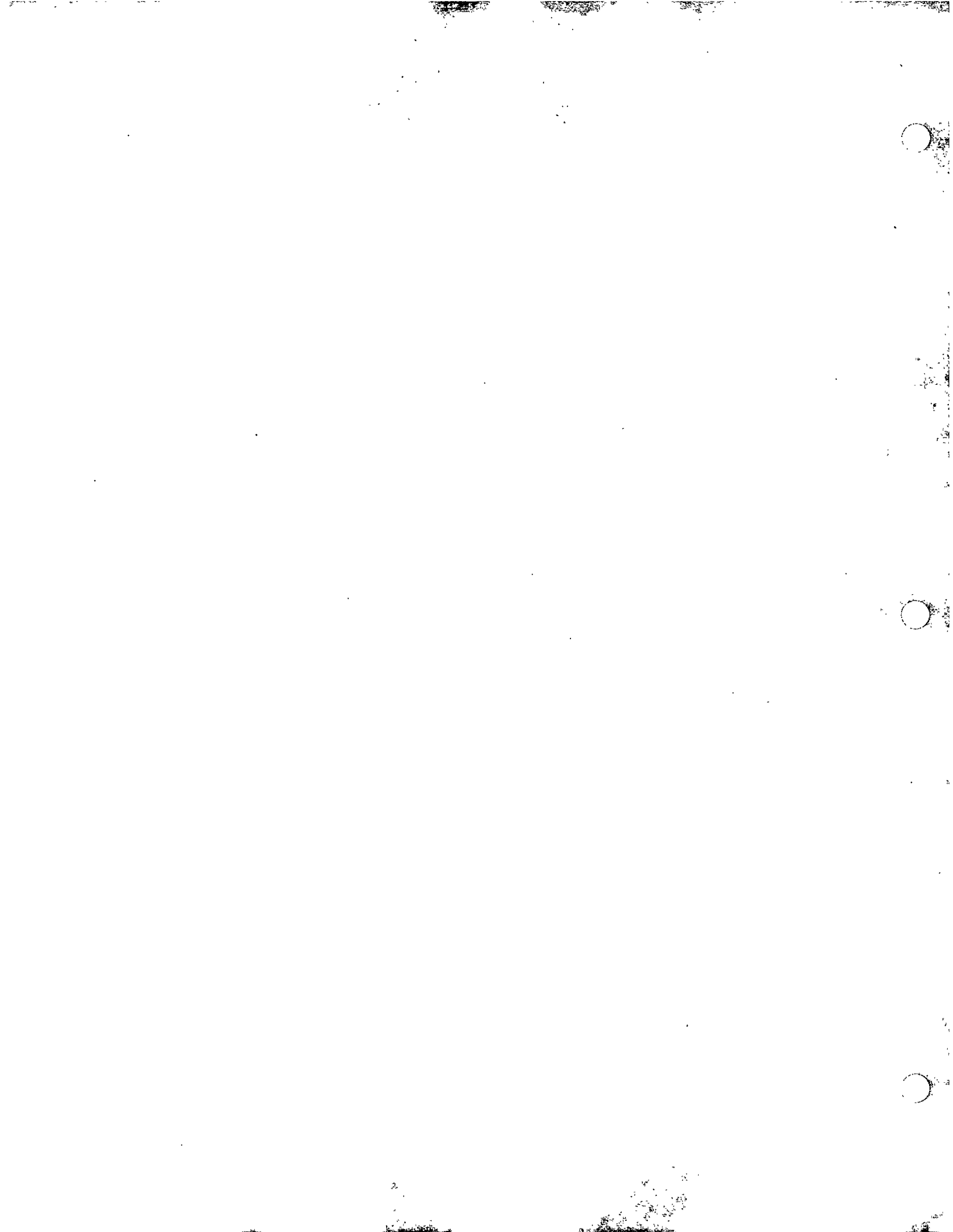
(1) agency name: National Library		(2) date:	(3) periodicity: as maps are submitted
		(4) area: all Canada	(5) file size:
(6) Keywords: (subject and variables) A-Z index of coverages			
(7) description & features Cartographic Catalogue of all maps from cities, provinces, Federal and Provincial government departments and industry			
(8) geographical identifications Various			
(9) storage medium: electronic	hard copy maps/overlays	(10) spatial character: point, line, areal	
		(11) scale of maps: Various	
(12) origin of data: Map producing agencies		(13) contacts: Louis Cardinal Modern Cartography Section National Library 4th floor  995-1077	





## SITES

(1) agency name: National Museums of Canada		(2) date: 1975	(3) periodicity: quarterly in future	(4) area: Canada	(5) file size: 40-60,000 sites
(6) Keywords: (subject and variables) Archeological sites data base, site, location, nature of site, geographical region info., major drainage systems, foliage.					
(7) description & features Five page report for each site incl. in data base					
(8) geographical identifications Geographical, region					
(9) storage medium: electronic  hard disc		hard copy	(10) spatial character:  point		
			(11) scale of maps:		
(12) origin of data:  in-house			(13) contacts:  Peter Homulous, Director National Inventory Program National Museums of Canada 6th Floor, 240 Bank Street Ottawa, Ontario 992-1355		



MACKENZIE VALLEY PIPELINE EMBANKMENT STUDY

(1) agency name: Geotechnical Section National Research Council		(2) date: September 1976
		(3) periodicity: hourly temperatures (thermal properties, survey 4 times/yr)
		(4) area: Ft. Wrigley, N.W.T.
		(5) file size: recording completed February 1981
(6) Keywords: (subject and variables)		
Road Construction: Impacts on seasonal temperature pattern and thermal properties in properties in permafrost ratios of air and road surface temperature		
(7) description & features		
Hourly data nearly continuous ground temperatures in road embankment and surrounding permafrost terrain. Occasional measurements ground thermal conductivities and level surveys. Data indicate thermal degradation.		
(8) geographical identifications		
Mile 419.5 Mackenzie Highway, on contractors plans		
(9) storage medium: electronic	hard copy	(10) spatial character:
magnetic tape	charts/graphs	
		(11) scale of maps: NA
(12) origin of data:	(13) contacts:	
1. Automatic unattended electronic data logger (temperatures)	L.E. Goodrich, Division of Bldg. Research Geotechnical Section	
2. Field measurements in house	National Research Council of Canada Building M-20, Room 278 Montreal Laboratories Ottawa, Ontario K1A 0R6 Phone: (613) 993-1466	



AOSI (ALBERTA OIL SANDS INDEX)

- BIBLIOGRAPHIC -

<p>(1) agency name:</p> <p>Alberta Research Council          Note: The ARC produces the database, NRC only markets it through CISTI's on-line system CAN/OLE.          (CISTI = Canada Institute for Scientific and Technical Information.</p>		<p>(2) date: 1970-</p> <p>(3) periodicity: updated quarterly</p> <p>(4) area: primarily Alberta, but other areas with related technology may also be included</p> <p>(5) file size 6,546 references as of June 1981</p>
<p>(6) Keywords: (subject and variables)</p> <p>The Alberta Oil Sands Index contains references to the technical, social, economic, geographic and environmental aspects of oil sands.</p>		
<p>(7) description &amp; features The AOSI database is accessible on-line through CISTI's on-line bibliographic retrieval system, CAN/OLE, or through the Alberta Research Council's Alberta Oil Sands Information Centre. AOSI sources include over 100 technical journals, as well as books, patents, government publications, conference proceedings and consultant's reports. Documents are available from the Alberta Oil Sands Information Centre in Edmonton and/or CISTI in Ottawa.</p>		
<p>(8) geographical identifications</p> <p>On-line searching is done using the place name. For example, a user could search on such words as: ALBERTA; EDMONTON; GREAT SLAVE LAKE; etc.</p>		
<p>(9) storage medium:</p> <p>electronic</p> <p>hard disc</p>	<p>hard copy</p>	<p>(10) spatial character:</p> <p>(11) scale of maps:</p>
<p>(12) origin of data:</p> <p>Materials are collected at the Alberta Oil Sands Information Centre in Edmonton, and all indexing is done here.</p>	<p>(13) contacts:</p> <p>Ms. Bonnie Bullock          Head, Client Services          CAN/OLE CAN/SDI          CISTI, Building M-55          National Research Council Canada          Ottawa, Ontario K1A 0S2          (613) 993-1210</p>	

## KNOWLEDGE SOURCE INDEX (KSI)

<b>(1) agency name:</b> National Research Council Canada Institute for Scientific and Technical Information		<b>(2) date:</b> 1974	<b>(3) periodicity:</b> Annual update	<b>(4) area:</b> Canada	<b>(5) file size:</b> 3,500 experts or 35,000 subject descriptors
<b>(6) Keywords: (subject and variables)</b>  Subject headings, cross references, name, address, phone number, notes about service offered.					
<b>(7) description &amp; features</b>  Source database citing research and expertise in science, technology and medicine. Direct on-line access is not provided. Used to refer experts to enquirers.					
<b>(8) geographical identifications</b>  Includes subject identifiers in such areas as land use/management and geotechnical expertise.					
<b>(9) storage medium:</b> electronic  magnetic tape		hard copy		<b>(10) spatial character:</b>	
				<b>(11) scale of maps:</b>	
<b>(12) origin of data:</b>  Canadian researchers provide lists of their expertise			<b>(13) contacts:</b>  Maureen K. Gabe, Head Information Exchange Centre CISTI, NRC Montreal Rd. Ottawa, Ontario K1A 0S2 (613) 993-3568		

**INFORMATION EXCHANGE CENTRE FOR FEDERALLY SUPPORTED RESEARCH IN UNIVERSITIES**

(1) agency name: NRC, CISTI, Information Exchange Centre		(2) date: 1971	(3) periodicity: yearly
		(4) area: Canada	(5) file size: 90,000
(6) Keywords: (subject and variables) University-based research projects including medicine, science and technology, item number, title of project, name of investigators, university and department of principal investigator, fiscal year, language, funding source, amount.			
(7) description & features Data: 1971 to present, entries in English or French language, source database. Annual publication produced - <u>Directory of Federally Supported Research in Univesities</u> includes fiscal total and breakdowns by area and funding agency.			
(8) geographical identifications Universities and departments, funding agencies, subject terminology included in project titles.			
(9) storage medium: electronic  hard disc	hard copy	(10) spatial character:	
		(11) scale of maps:	
(12) origin of data: Information is reported by over 40 funding agencies of the federal government.		(13) contacts: Maureen K. Gabe, Head Information Exchange Centre CISTI, NRC Building M-55 Montreal Rd Ottawa, Ontario K1A 0S2 (613) 993-1205	





## LAND SYSTEM

(1) agency name: Petro-Canada		(2) date: 1975	(3) periodicity: on-going
		(4) area: Western Canada	(5) file size: 15,000 land documents (leases, etc.)
(6) Keywords: (subject and variables) Coal, heavy oil, western Canada exploration, surface and environment land documents, leases			
(7) description & features Contains historical and current land documents related to coal, heavy oil, western Canada exploration, surface and environment land documents (leases etc.). Access by on-line means; daily batch output.			
(8) geographical identifications Location cross reference by any recognized method			
(9) storage medium: electronic  hard disc	hard copy	(10) spatial character:  point, areal	
		(11) scale of maps:	
(12) origin of data:  Land contracts, sales, farm-out agreements		(13) contacts:  Jane McMananan P.O. Box 2844 Galgary, Alberta T2P 3E3  (403) 232-4652	

## PRODUCTION HISTORY

(1) agency name: Petro-Canada		(2) date: 1976	(3) periodicity:	(4) area:	(5) file size: 136 million characters
(6) Keywords: (subject and variables) Production history of all producer wells drilled in Alberta, British Columbia and Saskatchewan.					
(7) description & features Batch data access					
(8) geographical identifications					
(9) storage medium: electronic  hard disc		hard copy		(10) spatial character:  point	
				(11) scale of maps:	
(12) origin of data:			(13) contacts:  Mr. J. Reichert P.O. Box 2844 Calgary, Alberta T2P 3E3  (403) 232-8000		

## MACHINE READABLE ARCHIVES AND CATALOGUE OF HOLDINGS

(1) agency name: Machine Readable Archives Archives Branch Public Archives Canada		(2) date:	(3) periodicity:	(4) area:	(5) file size:
(6) Keywords: (subject and variables) Historically significant data, agriculture, economics, recreation, environmental conditions.					
(7) description & features The catalogue lists the machine readable records of historical value produced by federal departments, agencies, royal commissions and inquiries as well as the private sector that are maintained by the Division. Restriction categories: None; Permission of originator and restricted until (specific date).					
(8) geographical identifications N/A					
(9) storage medium: electronic  key punch cards magnetic tape	hard copy		(10) spatial character:  various	(11) scale of maps: N/A	
(12) origin of data:  Various		(13) contacts: Katherine Gavrel Machine Readable Archives Documentation and Public Service Section 395 Wellington Street Ottawa, Ontario K1A 0N3 593-7772			



## CENTRAL REAL PROPERTY INVENTORY (CRPI)

<b>(1) agency name:</b> Property Documents and PWC Inventories Public Works Canada		<b>(2) date:</b>	<b>(3) periodicity:</b> on-going
		<b>(4) area:</b>	all Canada
		<b>(5) file size:</b>	22,770
<b>(6) Keywords: (subject and variables)</b> Property size, building size, infrastructure, improvements, use			
<b>(7) description &amp; features</b> Property measurements and building measurement in m <sup>2</sup> for all Federally owned properties in Canada. Output includes: complete inventory printout, Building Accommodation Summary, Surplus to Need Listing. CRPI Users Manual, CRPI Codes and Headings.			
<b>(8) geographical identifications</b> Addresses, city and province			
<b>(9) storage medium:</b> electronic magnetic tape	<b>hard copy</b>	<b>(10) spatial character:</b> point	
		<b>(11) scale of maps:</b> none	
<b>(12) origin of data:</b>		<b>(13) contacts:</b> Head Central Real Property Inventory Real Estate Services Branch Public Works Canada Sir Charles Tupper Bldg., Ottawa, Ontario K1A 0M2 998-8467	

AREA SCREENING CANADA (ASC) PROGRAM REPORTS

<p>(1) agency name: Area Screening Canada Real Estate Services Branch Public Works Canada</p>		<p>(2) date: 1977 - present</p> <p>(3) periodicity: 5 years</p> <p>(4) area: selected urban and regional areas of Canada</p> <p>(5) file size: 30 reports published; 21 more being prepared</p>
<p>(6) Keywords: (subject and variables)</p> <p>Federal properties, Federal Land Management policy, maps of federal properties.</p>		
<p>(7) description &amp; features</p> <p>All Federal lands are described, mapped and evaluated as to how their use conforms to Federal Land Management Policy. An urban profile presently social, economic and environmental factors which may affect federal property management. Government land planning objectives are listed.</p>		
<p>(8) geographical identifications</p> <p>Text: properties identified by address Maps: base maps from EMR and MCE topographic map systems.</p>		
<p>(9) storage medium: electronic  floppy disc</p>	<p>hard copy  maps/overlays</p>	<p>(10) spatial character:  areal</p> <p>(11) scale of maps: 1:25,000, 1:50,000 individual properties 1:5000 - 1:12,000</p>
<p>(12) origin of data:  Questionnaires filled in by property-owning departments, also CRPI</p>	<p>(13) contacts: Property Development Officer Real Estate Services, PWC Pacific Region - 1166 Albern St. Vancouver, B.C. V6E 3W5; Western Region - 9925 - 109 St. Edmonton, Alta. T5K 2J8; Ontario Region - 4900 Yonge Street Willowdale, Ont. M2N 6A6; National Capital - 19th Floor, l'Esplanade Laurier 140 O'Connor, Ottawa, Ont. K1A 0M3; Quebec Region - 2001 University St. Montreal, Que. H3A 1K3; Atlantic Region - P.O. Box 2247, 1190 Barrington Street, Halifax, N.S. B3J 3C9</p>	

CTDS CANADIAN TRANSPORTATION DOCUMENTATION SYSTEM

-BIBLIOGRAPHIC-

<p>(1) agency name:                  Transport Canada                  Library and Information Centre</p>		<p>(2) date: 1960                  (3) periodicity: 4 times a year                  (4) area: Canada                  (5) file size: 77,500</p>
<p>(6) Keywords: (subject and variables)                  Item number, authors citation, report number, language, item.</p>		
<p>(7) description &amp; features                  Bibliographic data base on transportation and related areas such as transportation engineering. The following organizations also include material in the CTDS: Roads and Transportation Assoc. of Canada, Urban Transportation Development Corporations Ltd., Institute for Guided Ground Transportation, Queen's University</p>		
<p>(8) geographical identifications</p>		
<p>(9) storage medium:                  electronic                  magnetic tape                  floppy disc</p>	<p>hard copy</p>	<p>(10) spatial character:                  (11) scale of maps:</p>
<p>(12) origin of data:</p>	<p>(13) contacts:                  Barbara Witt                  Head                  Marketing and Public Services                  Transport Canada Library &amp; Information Centre                  Transport Canada                  Ottawa                  Tel: 992-4529</p>	

<b>(1) agency name:</b>			<b>(2) date:</b>		
			<b>(3) periodicity:</b>		
			<b>(4) area:</b>		
			<b>(5) file size:</b>		
<b>(6) Keywords: (subject and variables)</b>					
<b>(7) description &amp; features</b>					
<b>(8) geographical identifications</b>					
<b>(9) storage medium:</b> electronic		hard copy		<b>(10) spatial character:</b>	
				<b>(11) scale of maps:</b>	
<b>(12) origin of data:</b>			<b>(13) contacts:</b>		



<b>(1) agency name:</b>		<b>(2) date:</b>
		<b>(3) periodicity:</b>
		<b>(4) area:</b>
		<b>(5) file size:</b>
<b>(6) Keywords: (subject and variables)</b>		
<b>(7) description &amp; features</b>		
<b>(8) geographical identifications</b>		
<b>(9) storage medium:</b> electronic	hard copy	<b>(10) spatial character:</b>
		<b>(11) scale of maps:</b>
<b>(12) origin of data:</b>	<b>(13) contacts:</b>	

(1) agency name:		(2) date:	
		(3) periodicity:	
		(4) area:	
		(5) file size:	
(6) Keywords: (subject and variables)			
(7) description & features			
(8) geographical identifications			
(9) storage medium: electronic		(10) spatial character:	
		(11) scale of maps:	
(12) origin of data:		(13) contacts:	

## CTDS CANADIAN TRANSPORTATION DOCUMENTATION SYSTEM

## -BIBLIOGRAPHIC-

(1) agency name: Transport Canada Library and Information Centre		(2) date: 1960	(3) periodicity: 4 times a year	(4) area: Canada	(5) file size: 77,500
(6) Keywords: (subject and variables)  Item number, authors citation, report number, language, item.					
(7) description & features  Bibliographic data base on transportation and related areas such as transportation engineering. The following organizations also include material in the CTDS: Roads and Transportation Assoc. of Canada, Urban Transportation Development Corporations Ltd., Institute for Guided Ground Transportation, Queen's University					
(8) geographical identifications					
(9) storage medium: electronic magnetic tape floppy disc	hard copy		(10) spatial character:		
			(11) scale of maps:		
(12) origin of data:			(13) contacts: Barbara Witt Head Marketing and Public Services Transport Canada Library & Information Centre Transport Canada Ottawa Tel: 992-4529		

<b>(1) agency name:</b>			<b>(2) date:</b>
			<b>(3) periodicity:</b>
			<b>(4) area:</b>
			<b>(5) file size:</b>
<b>(6) Keywords: (subject and variables)</b>			
<b>(7) description &amp; features</b>			
<b>(8) geographical identifications</b>			
<b>(9) storage medium:</b> electronic	hard copy	<b>(10) spatial character:</b>	
		<b>(11) scale of maps:</b>	
<b>(12) origin of data:</b>		<b>(13) contacts:</b>	

(1) agency name:		(2) date:  (3) periodicity:  (4) area:  (5) file size:
(6) Keywords: (subject and variables)		
(7) description & features		
(8) geographical identifications		
(9) storage medium: electronic	hard copy	(10) spatial character:  <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> (11) scale of maps:
(12) origin of data:	(13) contacts:	

<p>(1) agency name:</p>	<p>(2) date:</p> <p>(3) periodicity:</p> <p>(4) area:</p> <p>(5) file size:</p>	
<p>(6) Keywords: (subject and variables)</p>		
<p>(7) description &amp; features</p>		
<p>(8) geographical identifications</p>		
<p>(9) storage medium: electronic</p>	<p>hard copy</p>	<p>(10) spatial character:</p>
		<p>(11) scale of maps:</p>
<p>(12) origin of data:</p>	<p>(13) contacts:</p>	

APPENDIX A

Statistics Canada Land Data

...a table taken directly from the Report of the Working Group on Land Statistics, except that contact names, addresses, and phone numbers have been added.

Table 1: Information Currently Collected by Statistics Canada with Land Use Applications

Census of Population and Housing	Name of Survey	Coverage Universe	Periodicity	Items with (Possible) Land Use Applications	Spatial Characteristics	Additional Remarks
1981 Census of Population and Housing	All of Canada: Questions 1-12, 100% sample, Questions 13-46, 20% sample	Every 10 years for full census, 5 years for limited census	Question: 1) repondent name	Information available at a variety of geographic levels including enumeration areas, census tracts, municipalities, cnesus division and subdivisions and provinces; geocoding allows to data for almost any conceivable geographic unit down to the block-face level for selected centres	q.1) with geographic coordinates, allows identification of residential and non-residential areas, population densities	
			Question: 11) dwelling tenure	q.11) offers a count of total dwellings and gives information on land ownership		
			Question: 12) dwelling type	q.12) identification of subcomponents of residential land use		
			Question: 13) period of dwelling construction	q.13) allows some estimates of quality identification of specific cover characteristics (i.e. dwelling density)		
			Question: 19) need for major repairs to dwelling	q.19) allows quality estimation, particularly by extrapolating with results of question 13)		



Census of Population and Housing (continued)

Name of Survey	Coverage Universe	Periodicity	Items with (Possible) Land Use Applications	Spatial Characteristics	Additional Remarks
			Questions: 21) and 22) monthly rental payments and monthly mortgage payments		q.21) and q.22) rough quality indicators
			Questions: 41) and 42) Place of work		

CONTACT: F. Ricour-Singh, Operations Branch, Ottawa, KIA 0T6, telephone: 996-8301

Table 1: Information Currently Collected by Statistics Canada with Land Use Applications

Agriculture Statistics	Name of Survey	Coverage Universe	Periodicity	Items with (Possible) Land Use Applications	Spatial Characteristics	Additional Remarks
Census of Agriculture	All agriculture holdings which sell \$250 or more in a year for all of Canada (approximately 320,000)	Every 5 years	<p>Acreage of:</p> <ul style="list-style-type: none"> <li>a) all major crops</li> <li>b) pasture, grazing, fallow</li> <li>c) woodlots</li> <li>d) unimproved land</li> <li>e) area fertilized</li> <li>f) area sprayed with herbicides and insecticides</li> <li>g) area irrigated</li> <li>h) area by tenure</li> </ul>	<p>the location of the farm headquarters is recorded within a census enumeration area. Information available at Census sub-division, Division, Province levels and for special user specified areas composed of EA's.</p>	<p>The data from "non-Census" surveys are not published in a direct form but are integrated with other information before publications.</p>	
Agriculture Enumerative Survey and Farm Enumerative Survey	6% area and list sample of farms in Canada excluding urban core areas, marginal agricultural areas and Yukon and Northwest Territories		<p>Acreage of:</p> <ul style="list-style-type: none"> <li>a) all major crops</li> <li>b) pasture, grazing, fallow</li> <li>c) woodlots</li> <li>d) unimproved land</li> <li>e) area by tenure</li> </ul>	<p>Individual farms and segments of land are sampled. The location of land surveyed in area segments is recorded on aerial photographs. Information available at soil zone and provincial levels in the Farm Enumerative Survey and at Provincial level in the Agriculture Enumerative Survey.</p>		

Agriculture Statistics (continued)

Name of Survey	Coverage Universe	Periodicity	Items with (Possible) Land Use Applications	Spatial Characteristics	Additional Remarks
June Crop Survey	Non-random sample by mail for all of Canada except Newfoundland	Annual	Crop acreages	By mailing address; farm headquarters also recorded within the enumeration area. Information available at crop district and provincial levels except Newfoundland.	(Same as AES/FES)

CONTACT: A. Terjanian, Institutions and Agriculture Statistics Branch, Ottawa, K1A 0T6, telephone: 995-4936

Table 1: Information Currently Collected by Statistics Canada with Land Use Applications

Manufacturing and Primary Industries Division

Name of Survey	Coverage Universe	Periodicity	Items with (Possible) Land Use Applications	Spatial Characteristics	Additional Remarks
Census of Manufactures	Most manufacturing establishments. approx.	Annual	a) Number of establishments by 2, 3 or 4 digit Standard Industrial Classification	2) by Census subdivisions, (municipalities), census divisions, and subprovincial regions (level of geographic detail dependent upon level of SIC disaggregation)	an Inventory, allows estimates of percentage of industrial land use
			b) i) Manufacturing value added ii) Employees	b) by Census subdivisions (municipalities), census divisions, and subprovincial regions (level of geographic detail is dependent upon level of SIC disaggregation)	Indirect measure of physical size of establishment as function of S.I.C.
National Forestry Statistics Survey	94% of Canada's forested lands	Every 5 years	a) Forest land and area of fresh water b) Forest land by ownership c) Forest land by economic accessibility d) Forest land by species (wood volume) e) Forest land by general tree age (wood volume)	Provincial Statistics in square kilometres	
Annuey Survey of Mines, Quarries and Sand Pits	Canada	Annual	mine locations for extractors of a variety of metals and minerals	mine named and generally identified to level of the municipality	

CONTACT: C. Sturton, System of National Accounts and Analysis, Ottawa, KIA 0T6, Telephone 996-4046

Table 1: Information Currently Collected by Statistics Canada with Land Use Applications

Merchandising and Services Division					
Name of Survey	Coverage Universe	Periodicity	Items with (Possible) Land Use Applications	Spatial Characteristics	Additional Remarks
Survey of Canadian Retail Trade Locations	Sample of all retail locations in Canada	Monthly	Standard Industrial Classification by Civic Address collected, but not published	Address of location generally recorded on survey form	
Merchandising Business Survey of Wholesale Merchants	All wholesale merchants in Canada	Every 2 years	Standard Industrial Classification by Civic Address collected, but not published	Location address recorded on survey form	
Census of Merchandising and Services	All retail, wholesale and service locations	Every 10 years	A) Number of retail locations by Standard Industrial Classification  B) Number of wholesale locations by Standard Industrial Classification  C) Number of Service locations by Standard Industrial Classification	Information published at Census tract level also by Census divisions and for municipalities	

CONTACT: C. Bordeleau, System of National Accounts and Analysis, Ottawa, KIA OT6, telephone: 996-0271

Table 1: Information Currently Collected by Statistics Canada with Land Use Applications

Construction Division							
Name of Survey	Coverage Universe	Periodicity	Items with (Possible) Land Use Applications	Spatial Characteristics	Additional Remarks		
Building Construction Survey	Building permit information for all new building projects in about 2,000 municipalities, these contain about 88% of Canada's population (1976)	Monthly	<p>a) Number of building permits for six types of residential structures and government, commercial, and industrial structures</p> <p>b) Value of building permits for residential, government, commercial and industrial structures</p>	<p>by municipality, by civic address</p> <p>by municipality, by civic address</p>	Inventory		

CONTACT: V. Totten System of National Accounts and Analysis, Ottawa, KIA OT6, Telephone: 995-8192

Table 1: Information Currently Collected by Statistics Canada with Land Use Applications

Transportation Division					
Name of Survey	Coverage Universe	Periodicity	Items with (Possible) Land Use Applications	Spatial Characteristics	Additional Remarks
Railway Transport Annual Report	Canada rail-road operators	Annual	a) Track mileage by track characteristics b) Construction or abandonment of track by location	by provinces generally by latitude and longitude	mileage with size of right of way allows rough estimates of transport land use
Domestic Shipping Report	Canada	Annual	Location of commercial ports with type of cargo being transshipped		
Operators Report of Pipeline Distance	Canada	Annual	a) mileage of oil pipelines b) mileage of gas pipelines	by province	
Electric Power Generating Stations	Canada	Annual	location of all steam plants and hydro installations	generally by latitude and longitude	by voltage figures, this relates to size of right of way
Electric Power Statistics; Transmission Lines	Canada	Annual	Electric Transmission pole line mileage	by province	

CONTACT: June Forgie, Systems of National Accounts and Analysis, Ottawa, KIA OT6, telephone; 996-9271

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