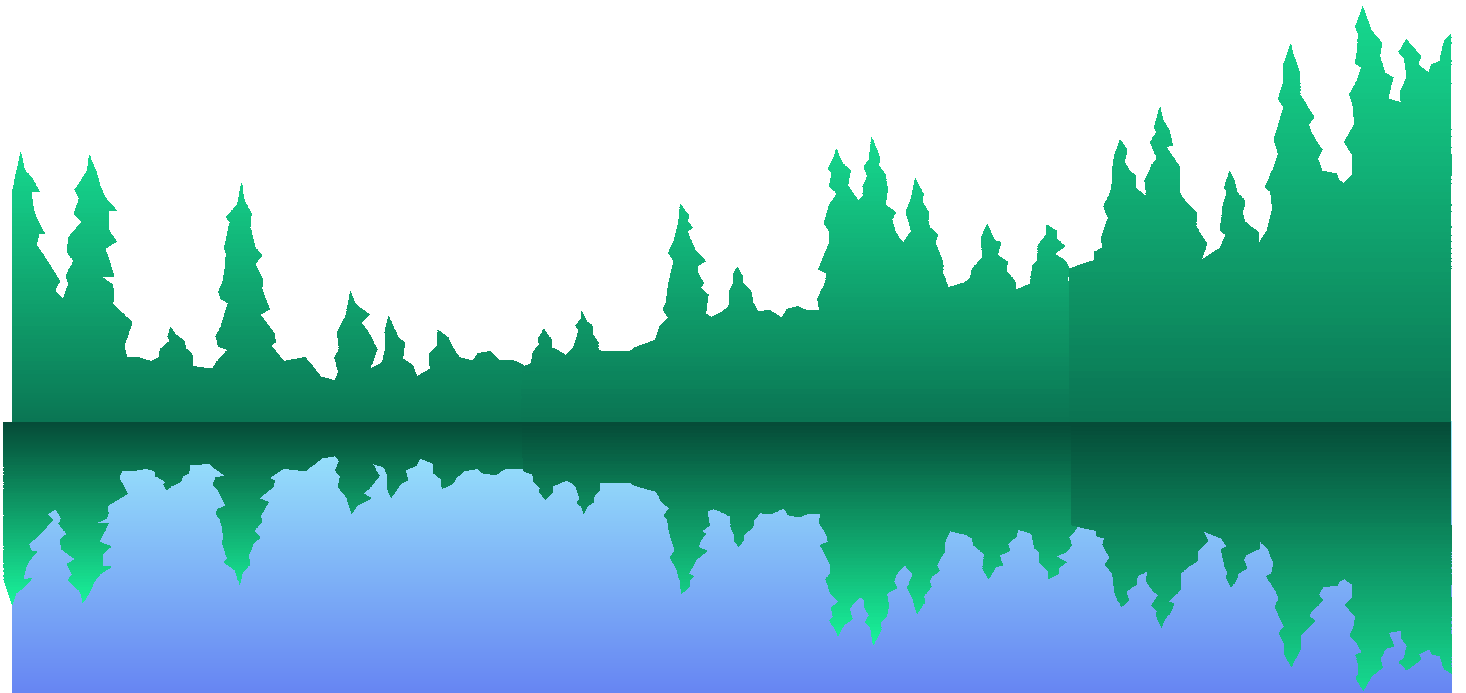

COMPENDIUM OF RESEARCH IN THE NORTHWEST TERRITORIES 1994

**Including: Wildlife Permits, Scientific Licenses and
Archeological Permits**



**AURORA RESEARCH INSTITUTE
AURORA COLLEGE**

ABOUT THE AURORA RESEARCH INSTITUTE

The Science Institute of the Northwest Territories (SINT) was created by the NWT Legislative Assembly in 1984. In 1995, the SINT divided and merged with the Aurora College in western NWT and the Nunavut Arctic College in eastern NWT. The Science Institute West was renamed the Aurora Research Institute (ARI) in the spring of 1996.

The ARI's mandate is to improve the quality of life for western NWT residents by applying scientific, technological and indigenous knowledge to solve northern problems and advance social and economic goals.

The ARI is responsible for:

- ▶ licensing and coordinating research in accordance with the NWT Scientists Act: This includes work in the physical, social and biological sciences and in traditional knowledge.
- ▶ promoting communication between scientists and the people of the communities in which they work;
- ▶ promoting public awareness of the importance of science, technology and indigenous knowledge;
- ▶ fostering a scientific community within the NWT which recognizes and uses the traditional knowledge of northern aboriginal people;
- ▶ making scientific knowledge available to the people of the NWT;
- ▶ supporting or conducting research which contributes to the social, cultural and economic prosperity of the people of the NWT.

Aurora Research Institute
Aurora College
Box 1450
Inuvik, NT X0E 0T0
Tel: (867) 777-4029
Fax: (867) 777-4264
E mail: colinb@inukshuk.gov.nt.ca

June 5, 1996

FORWARD

The people of the Northwest Territories, our governing institutions and the private sector recognize the need for increased scientific and technological training. Training will allow northerners to adapt to the rapidly changing social and economic structure of the north. Partnerships are an effective way to meet this need. The Aurora Research Institute is one such partner and through the amalgamation with Arctic College research and development programs will be developed in partnerships with government agencies and community groups. The Aurora Research Institute works with these groups to identify research needs and ways to meet these needs.

Researchers are also partners in these endeavours. Through the licensing process, community groups are informed about proposed and current research in their area. Researchers can involve northerners in their research activities through school and community presentations and through employment opportunities for residents. Employment in a research project gives northerners an understanding of career opportunities in Science and Technology.

This compendium is a part of the Aurora Research Institute's mandate to involve northerners in science and technology. By participating in this compendium, researchers are partners in making research accessible to northerners.

David Malcom
Director
Aurora Science Institute

TABLE OF CONTENTS

| | |
|---|-----|
| ABOUT THE AURORA RESEARCH INSTITUTE | i |
| FORWARD | ii |
| ABOUT THIS BOOK | iv |
| HOW TO USE THIS BOOK | iv |
| Science Institute of the Northwest Territories | |
| Scientific Licences | |
| Biology | 1 |
| Contaminants | 15 |
| Fossils | 18 |
| Geology | 22 |
| Health | 32 |
| Physical Sciences | 37 |
| Social Sciences | 52 |
| Traditional Knowledge | 65 |
| Prince of Wales Northern Heritage Centre | |
| Archaeological Permits | 73 |
| Department of Renewable Resources | |
| Wildlife Research Permits | 81 |
| Researcher Index | 111 |
| Regional Index | |
| Science Institute of the NWT | 115 |
| Prince of Wales Northern Heritage Centre | 124 |
| Department of Renewable Resources | 125 |

ABOUT THIS BOOK

This Compendium is a summary of research licences/permits that were issued in the Northwest Territories during 1994. The information contained in this book is a collaboration between the Aurora Research Institute, the Prince of Wales Northern Heritage Centre, and the Department of Renewable Resources. The Compendium series began in 1986.

LICENSING IN THE NWT

Under territorial legislation, all research in the NWT during 1994 required a licence/permit from one of three agencies, depending on the type of research being conducted:

- ▶ Prince of Wales Northern Heritage Centre - archaeology
- ▶ Department of Renewable Resources, Government of the Northwest Territories - wildlife
- ▶ Science Institute of the NWT - all other research in the NWT

Through the licensing process, researchers are informed of appropriate organizations, communities and other licensing/permitting agencies that should be contacted prior to conducting studies. Licensing ensures research activities are communicated to interested parties and provides opportunities for the exchange of information.

Although the Compendium is a summary of all licences/permits issued in the NWT by all three licensing/permitting bodies, it is not a list of actual research conducted. Verification that the research was completed must be made with the researcher.

HOW TO USE THIS BOOK

The three main sections of this book contain the research descriptions. Each of these sections reflect a specific licencing agency and type of licence/permit issued. Within each section research descriptions have been grouped by subject, and listed alphanumerically by the principal researcher's last name. Refer to the Table of Contents for the specific page each section and/or subject area begins on.

1. Reference Number

The reference numbers shown in each of the Science Institute of the NWT's subject areas refer to the file number issued to a particular researcher. It allows cross referencing with research material that may be available on file or in the ARI library. The reference numbers of the other two agencies refers directly to the permit number given to each

researcher. When requesting information from any of these agencies on specific research outlined in this compendium please refer to the reference number in your correspondence.

2. Regional Abbreviations

Throughout the book reference is given to the specific region(s) that the research took place in. The regions identify Government of the NWT political boundaries (see Figure 1) and do not reflect present land claim areas nor those being negotiated. The abbreviations shown for each region are as follows:

| | | | |
|-----------|-----------|-----------|------------|
| BA | Baffin | FS | Fort Smith |
| IN | Inuvik | KE | Keewatin |
| KI | Kitikmeot | | |

3. Indices

At the back of this book, you will find indices. They have been developed to help the reader cross reference material more easily. The numbers listed in the indices refer to the number listed with each research description, not page number.

AVAILABLE IN PRINT OR ON DISKETTE

The Compendium is available as a printed publication or on diskette. The diskette version is in a WordPerfect format and has limited search capabilities. Contact the ARI for further information regarding search capabilities and services.

Both the printed publication and the diskette are available from the Aurora Research Institute. We highly encourage photocopying of the printed publication to promote its distribution.

FOR MORE INFORMATION ABOUT THE RESEARCH LISTED IN THIS BOOK

Please Contact:

Aurora Research Institute

Box 1450
Inuvik, NT, X0E 0T0
Tel: (403) 979-4029
Fax: (403) 979-4264

Prince of Wales Northern Heritage Centre

Box 1320
Yellowknife, NT, X1A 2L9
Tel: (403) 920-8084
Fax: (403) 873-0205

Department of Renewable Resources

Wildlife Management Division
Government of the NWT
Box 1320
Yellowknife, NT, X1A 2N5
Tel: (403) 920-6060
Fax: (403) 873-0293

SEND US YOUR COMMENTS

Whether you are a researcher or an interested member of the public, the Aurora Research Institute welcomes your comments and suggestions about the Compendium. Contact us by mail, fax, telephone or e-mail.

Science Institute of the Northwest Territories Scientific Licences

Biology

001 Biology

Ash, Gary R.

R.L. & L. Environmental Services Ltd.

17312 - 106 Avenue

Edmonton, AB T5S 1H9

Reference #: 12 402 530

Region: KI Location: Izok Lake area and the Coronation Gulf

Other members of team: J. Patalas, R. Pattenden

Fisheries Reconnaissance Survey of Streams to be Crossed by the Proposed Izok Lake - Coronation Gulf Road

The survey focused on identifying streams used by Arctic grayling for spawning. The route was flown by helicopter and ground surveys were conducted at selected sites to assess stream habitat (eg. discharge, depth, velocity, substrate) and fish use through backpack electro fishing, seining, and/or angling. This survey information was used to provide a preliminary assessment of the impact of the proposed road on the fisheries resources.

002 Biology

Ashton, Sandra

Faculty of Environmental Design

University of Calgary

Calgary, AB T2N 1N4

Reference #: 12 402 565

Region: FS Location: Nahanni National Park Reserve

Other members of team: W. McCrory, S. Heremo, Wildlife Consultant, Advisor to Sandra

Bear Habitat Use Research Study

The researcher identified plant types used by the bears and described the plant phenology (potential bear foods) in the area. A literature review of related research was also conducted. This research was done in order to determine if high capability bear habitat is available in surrounding areas.

003 Biology

Babaluk, John

Department of Fisheries and Oceans
Freshwater Institute
501 University Crescent
Winnipeg, MB R3T 2N6

Reference #: 12 402 528

Region: IN Location: Sachs Harbour

Other members of team: J. Johnson

Banks Island Fish Populations/Char Genetic Variation Project

This was a continuing project to survey fish populations of lakes and rivers. In the past population studies have been conducted in the Fish and Raddi Lakes, the Sachs River and the Benard River. This year Middle and Kuptan Lakes were surveyed and if there was time Capron and Swan Lakes would be surveyed. The project also continued studies on the genetic and morphological variations in Arctic char from these lakes and the two rivers.

004 Biology

Bong, Tom D.

EnviResource Consulting Ltd.
206 - 5720 Macleod Tr. S.
Calgary, AB T2H 0J6

Reference #: 12 402 575

Region: FS Location: Peace, Athabasca and Slave Rivers

Other members of team: R. Kashino, T. Ethier, T. Jacobson and employees of EnviResource Consulting Ltd.

Basin-Wide Fall Burbot Collection

The researcher collected fish for analysis of contaminant body burdens. The sample size for each species was 10-15 of each sex at each sampling site. Fish were collected using set lines set in the evening and fished overnight. Blood samples were taken from live fish and then tissues were sampled and sent to labs for analysis. Gut contents were examined and the fish were aged.

005 Biology

Clayton, Terry

R. L. & L. Environmental Services Ltd.
17312 - 106 Avenue
Edmonton, AB T5S 1H9

Reference #: 12 402 531

Region: KI Location: Contwoyto Lake area

Other members of team: RL & L Employees

Lake Trout Movements in Contwoyto Lake

Researchers investigated lake trout movements in the vicinity of the Lupin gold mine at Contwoyto Lake. Tagging was done by conventional methods. Also included was the use of ultrasonic transmitters which were surgically implanted in the lake trout. Fish movements were monitored at intervals throughout the summer. The primary capture methodology was angling.

006 Biology

Conlan, Kathleen E.

Research Division

Canadian Museum of Nature

P.O. Box 33443, Station D

Ottawa, ON K1P 6P4

Reference #: 12 402 514

Region: BA Location: Resolute, Alexandra Fiord

Other members of team: S. Blasco, Dr. A. Martel, Dr. R. Kvitek, and 7 assistants

Ice Scour Disturbance and the Structure of Arctic Marine Benthic Communities

Researchers acoustically profiled the seabed in the area of Resolute by side scan sonar in order to obtain an aerial view of the seabed and locate scours known from previous years and created over the last winter. Researchers then scuba dive on these scours and counted the large animals, collected small animals and measured the physical and chemical characteristics of the scours. This was to help determine what the scouring is doing to seabed animals and plants.

007 Biology

Copland, Elizabeth

Kivalliq Land and Sea Resources

Box 112

Whale Cove, NT X0C 0J0

Reference #: 12 402 570

Region: KE Location: Whale Cove

Other members of team: I. Copland, Dr. G. Platford, and community residents

Qualitative Assessment of Local Terrestrial Plants and Identification of Potential Commercial Uses

Samples of plants were collected by local residents and identified, some of which may have been sent away for identification. Elders were used as resource people to determine possible traditional uses of these plants. The researchers also experimented with the various land plants to develop appropriate products. If a suitable product was developed then each plant would be analysed for potentially harmful toxins.

008 Biology

Copland, Ian

Box 112

Kivalliq Land and Sea Resources

Whale Cove, NT X0C 0J0

Reference #: 12 402 559

Region: KE Location: the Whale Cove area

Other members of team: L. Druehl, Canadian Kelp Resources Ltd.

Assessment of Seaweed Species in the Whale Cove Area

The researchers conducted an inventory of the local seaweed stocks found within a 12 - mile radius of Whale Cove. Samples of seaweed stocks were collected from areas with different habitat (e.g. solid rock seabed, cobble seabed, etc.) to determine species type, and plant size and maturity. In addition, a collection device (called a 'drag') was used to gather larger samples for harvesting purposes.

009 Biology

Copland, Ian

Box 112

Kivalliq Land and Sea Resources

Whale Cove, NT X0C 0J0

Reference #: 12 402 559

Region: KE Location: Whale Cove

Other members of team: Kivalliq Land and Sea Resources employees, Canadian Kelp Resources Ltd. employees

Phase 3 - Seaweed Commercialization Project: To Inventory and Test Harvest Seaweeds Found in the Whale Cove Area.

Kelp resource assessment work involved sampling/surveying to determine the relative distribution and abundance of kelp within the Whale Cove area. Additional sampling/surveying was conducted during the West Hudson Bay Test Fishery under supervision of the Dept. of Economic Development and Tourism. Experimentation, with kelp farming and various processing techniques such as air drying, was also conducted.

010 Biology

Cosens, Sue

Department of Fisheries and Oceans

Freshwater Institute

501 University Crescent

Winnipeg, MB R3T 2N6

Reference #: 12 402 397

Region: BA Location: Foxe Basin

Other members of team: L. Dueck and two individuals from Igloodik and Hall Beach

Abundance and Distribution of Bowhead Whales in Foxe Basin

The researcher made daily flights from Igloodik to look for bowheads. The researcher estimated the relative abundance, assessed stock status and described the spring distribution and movements of the bowheads in Foxe Basin. The researcher also located a study site where a hydrophone array could be set up to count migrating bowheads in future years.

011 Biology

Couture, Richard D.

Rescan Environmental Services Ltd.

1111 West Hastings Street

Vancouver, BC V6E 2J3

Reference #: 12 402 496

Region: FS Location: the area of Thonokeid Lake

Other members of team: Personnel of Rescan Environmental Services Ltd.

Environmental Study of the Aquatic Resources of the Thonokeid Lake Area

The researchers continued their study on fish and other aquatic organisms found in lakes and streams of the Thonokeid Lake area. Muscles and liver tissues of fish were taken in order to assess levels of heavy metals. In addition, water chemistry data was collected.

012 Biology

Couture, Richard D.

Rescan Environmental Services Ltd.
1111 West Hastings Street
Vancouver, BC V6E 2J3

Reference #: 12 402 496

Region: FS Location: the area of Thonokeid Lake

Other members of team: J. Slater, S. Reed and Rescan technicians

Environmental Study of the Aquatic Resources of the Thonokeid Lake Area

Rescan Environmental Services Ltd. continued their study on the types of fish and other aquatic organisms found in the Thonokeid Lake area. Data on species type as well as their age, abundance and habitat were collected in order to assess for the presence of heavy metal contaminants. This study will be summarized in an environmental report to the Territorial Government.

013 Biology

De Groot, Bill

Northern Forestry Centre
Canadina Forest Service
5320 - 122 St.
Edmonton, AB T6H 3S5

Reference #: 12 402 566

Region: IN Location: Inuvik, Norman Wells, Fort Providence

Other members of team: M. Maffey, C. Stefner

Prescribed Fire and Wildlife Habitat Enhancement

Dormant plant samples were collected in the field by the researcher for treatment in a lab experiment. Burning treatments were conducted in the lab where environmental growing conditions and the plant physiological state at the time of the treatment could be better controlled. This was done in order to model the effects of fire on two types of shrubs.

014 Biology

Den Dulk, Jan

School of Engineering
University of Guelph
Guelph, ON N1G 2W1

Reference #: 12 402 573

Region: BA Location: Igloolik

Other members of team: None

Hydrological Investigations into the Fate of Sewage Infiltration - An Arctic Example

The researcher conducted hydrological research in an attempt to determine the fate of sewage infiltration from the containment lagoon in Igloolik. Standard hydrogeological measurements were taken to determine the quality (and hopefully quantity) of the subsurface flow. This may have included taking water samples for analysis (nutrients and bacteria) at the University of Guelph.

015 Biology

Evans, Marlene S.

Environmental Sciences Division, NHRI
11 Innovation Blvd
Saskatoon, SK S7N 3H5

Reference #: 12 402 503

Region: FS Location: the southern coastal area of Great Slave Lake

Other members of team: R. Bourbonniere, D. Muir, L. Lockhart

Persistent Organic Contaminants in the Great Slave Lake Ecosystem

Researchers collected samples of sediment from the bottom of the Great Slave Lake at sites near Hay River, the Slave River delta and the channel region east of the Slave River. This data would allow a better understanding of how fast sediments are deposited on the lake bottom in various regions. Researchers also collected small animals (invertebrates) which are eaten by fish as part of an overall study which examines contaminants in the lake's ecosystem.

016 Biology

Finley, K.J.

10232 Summerset Place
Sidney, BC V8L 4X2

Reference #: 12 402 525

Region: BA Location: Isabella Bay, Baffin Island, Cape Raper

Other members of team: Students from Clyde River

Baffin Bowhead Monitoring Station, Igalirtuuq

The study was conducted from the permanent station on Nipple Hill at Nuvukiapik. Surveyor instruments were used to document whale numbers and their feeding behaviour in Aqvik and Kater Valleys. The research team attached as many as four radio tags in order to learn more about the feeding behaviour and depth at which the whales are feeding. The team also photographed the whales and used a submarine equipped with cameras.

017 Biology

Fortier, Louis

GIROQ, Department of Biology
Laval University
Ste.-Foy, PQ G1K 7P4

Reference #: 12 402 560

Region: BA Location: Allen Bay in the Resolute Passage

Other members of team: M. Fortier, L. Michaud, B. Leblanc, additional students

From Ice Algae to Sediments in the Frozen Arctic Seas: The Contribution of Direct Sedimentation and Zooplankton Grazing on the Vertical Flux of Carbon

The researchers examined small marine organisms (algae, zooplankton and phytoplankton) to determine their influence on global warming. Carbon is necessary for the production of carbon dioxide (CO₂), and increased levels of CO₂ in the atmosphere can contribute to an increase in the earth's overall temperature. The study examined how these small marine creatures reduce carbon levels in the water and, therefore, in the atmosphere as well.

018 Biology

Gerrits, Martin

Department of Zoology
University of Guelph
Guelph , ON N1G 2W1

Reference #: 12 402 561

Region: BA Location: Igloolik and Lailor Lake

Other members of team: J. Ballantyne, P. LeBlanc, J. Stuart, K. Barton, T. MacDougall, T. Gillis, R. McCart

Metabolism of Arctic Fish and Invertebrates

The researchers were interested in understanding how prolonged cold conditions and reduced food availability in winter affect char. Sea-run char must increase their fat levels so that they have enough energy stored for overwintering and reproduction. Research activities also included collecting fish and invertebrate specimens to make comparisons about cold tolerance and diet of these specimens and similar animals from warmer climates.

019 Biology

Gillespie, L.J.

Research Division
Canadian Museum of Nature
Box 3443
Ottawa , ON K1P 6P4

Reference #: 12 402 572

Region: BA, KI Location: Iqaluit, Clyde River, Resolute, Eureka, Tanquary, Cambridge Bay

Other members of team: Dr. A. Aiken, L. Consaul

Hybridization in Arctic Grasses: Evidence From Chloroplast and Nuclear DNA.

The researchers collected living plants, 6-10 of each species from each collection site (less than 1 square km). In addition several plants of each species were pressed and dried to check identification. Photographs of the plants and their habitats were made in the field. The DNA of different species will be analysed to look at genetic similarity.

020 Biology

Gould, William

EPO Biology, INSTAAR
University of Colorado
Campus Box 450
Boulder, Colorado 80309045

Reference #: 12 402 449

Region: KI Location: the Hood River corridor

Other members of team: 1-3 assistants

Species, Vegetation, and Spectral Diversity of an Arctic Riparian Ecosystem

The researcher characterized the kinds and numbers of plant species that make up the various plant communities along the Hood River. Five small temperature recording stations were set up along the river, recording hourly temperatures. This allowed the researcher to see the differences in summer temperatures and how it effects the plant communities. The researcher also tried to determine changes in vegetation from satellite and ground observations.

021 Biology

Hebert, Paul D.N.

Chair

Department of Zoology

University of Guelph

Guelph, ON N1G 2W1

Reference #: 12 402 333

Region: BA Location: the Northern Melville Peninsula and Northern Baffin Island

Other members of team: T. Little, J. Colbourne, L. Weider, J. Bull

Distribution, Systematics and Genetic Structure of Arctic Zooplankton

The research involved the use of helicopters with floats to sample the animal life present in most lakes on the Melville Peninsula and northwestern Baffin Island. Most of the work concentrated on the capture of zooplankton, small animals which form an important part of the diet of young fish. After the collections were made, the samples were taken back to the Igloodik laboratory, where they were sorted and frozen, then transported to the south and analysed (genetics).

022 Biology

Henry, Greg

Dept. of Geography

University of British Columbia

Vancouver, BC V6T 1Z2

Reference #: 12 402 421

Region: BA Location: Alexander Fiord, Fosheim Peninsula

Other members of team: M. Jones, J. Johnstone, M. Deforge, G. Jones, M. Boulrice, P. Lange, K. Trainor, T. Smestad

Responses of Circumpolar Plant Species and Their Communities to Simulated Climate Change

Researchers established field experiments in 5 plant communities to simulate climate change scenarios (1) no change; (2) warmer, longer seasons with earlier snow melt; (3) warmer growing seasons with later snow melt. The temperatures were increased in small open-topped greenhouses and the date of snow melt was changed by adding or removing snow.

Tagged plants of the major vascular plant species were measured for timing of life cycle events (ie: flowering).

023 Biology

Henry, Greg

Dept. of Geography

University of British Columbia

Vancouver, BC V6T 1Z2

Reference #: 12 402 421

Region: IN Location: the Anderson and Horton River area

Other members of team: Dr. B. Freedman, K. McLeod, S. Kesting, J. Hamilton, K. Barton

Ecological Studies Along the Gradient From Subarctic Forest to Tundra

The researchers wanted to determine the age of the isolated "tree islands" and how they manage to grow so far from the treeline. Researchers looked for old stems for carbon dating, and mapped the position of each stem. The age and growth rates of the trees were determined by counting and measuring tree-rings. This year, plant communities found on south-facing slopes down the Anderson River were studied. Rare, southern species of trees are present here.

024 Biology

Lesack, Lance

Department of Geography
Simon Fraser University
Burnaby, BC V5A 1S6

Reference #: 12 404 485

Region: IN Location: the Mackenzie Delta area

Other members of team: C. Teare, K. Pipke, M. Cobbett, L. Smith

Biogeochemistry of Lakes in the Mackenzie Delta

Researchers evaluated the spatial variability of nutrient chemistry during the snowmelt period within the drainage network of the tundra stream ecosystem. Evaluation of the controls on nutrient chemistry and community metabolism in streams within the boreal forest/tundra ecotone were done through the measurement of algae and organic matter in the stream. Evaluation of the potential role of the Mackenzie Delta lakes as emitters of methane to the atmosphere was also done.

025 Biology

McCrory, Wayne

McCrory Wildlife Services
Box 146
New Denver, BC V0G 1S0

Reference #: 12 402 564

Region: FS Location: Nahanni National Park Reserve

Other members of team: S. Ashton, S. Hererro, Graduate Student (U of Calgary), Advisor-Environmental Design (U of Calgary)

Bear Hazard Assessment in the Rabbitkettle Lake Area of Nahanni National Park Reserve

The researcher conducted literature reviews on the subject. Park records, incidents and damage reports were also reviewed in order to produce management recommendations that would likely minimize bear and human conflicts. Field research was done in order to evaluate bear habitat and rate the habitat as low, moderate, high or very high potential for bear and human conflict. Human facilities and activities in the area were also evaluated.

026 Biology

Morewood, Dean

Department of Biology
University of Victoria
Victoria, BC V8W 2Y2

Reference #: 12 402 537

Region: BA Location: Alexandra Fiord, Ellesmere Island

Other members of team: self

Temperature relations and interactions of arctic woolly-bear caterpillars and their insect parasitoids

Surveys were conducted in order to: (1) document the life stages of the caterpillars (e.g. eggs, larvae, pupae and adults) during the summer; (2) count the number of caterpillars killed by insect parasites or parasitoids; and (3) document the timing of the insect parasitoids's life cycle. Finally, the effects of temperature on the development of caterpillars and parasitoids was examined.

027 Biology

Osawa, Akira

Forestry and Forest Products Research Institute
Hokkaido Research Centre
Hitsujigaoka 7, Toyohira
Sapporo, Japan, 062

Reference #: 12 402 412

Region: FS,IN Location: the Fort Smith and Inuvik areas

Other members of team: N. Kurachi

Jack Pine Forest Research

The researcher conducted research on jack pine forests along the highways in Wood Buffalo National Park and also collected stem increment cores from black spruce trees around the latitudinal tree line near Inuvik. This research consisted of measurement of permanent plots, foliage distribution and light measurement, establishment of pruning experiment and stem core sampling near Inuvik.

028 Biology

Pelletier, Clem

Rescan Environmental Services Ltd.
6th Floor, Coopers and Lybrand Building
1111 West Hastings Street
Vancouver, BC V8E 2J3

Reference #: 12 402 496

Region: FS Location: the Lac de Gras area

Other members of team: J. Slater, S. Reed, R. Marsland, P. Ladyman, S. Jaward, M. McCarthy, D. Howe, J. Wong

Environmental Studies of the Aquatic Resources in the Lac de Gras Area.

In project area streams, fish presence/absence and/or densities were obtained by electro fishing representative habitat. Benthic invertebrates and periphyton (stream algae) was sampled at stream sites to determine seasonal changes in composition, distribution and abundance. Lake limnology, plankton and benthic invertebrates were done by grab sampling, plankton tows, and profiling.

029 Biology

Perin, Sofia

Environmental and Resource Studies
Trent University
Peterborough, ON K9J 7B8

Reference #: 12 402 568

Region: BA Location: Hot Weather Creek, Ellesmere Island

Other members of team: R. Round, D. Lean, M. Amyot

The Effects of UV-B Radiation on the Community of Arctic Lakes

This study was done by setting up 6 enclosures in a lake or pond. Two enclosures were exposed to reduced UV-B levels, two other enclosures were exposed to enhanced UV-B levels. This involved the study of regular composition, pigment, and algal photosynthesis and end products in all 6 enclosures and in the lake.

030 Biology

Reed, Shawna

Rescan Environmental Services Ltd.
6 th Floor, Coopers and Lybrand Building
1111 West Hastings Street
Vancouver, BC V6E 2J3

Reference #: 12 402 562

Region: FS Location: Prairie Creek

Other members of team: Rescan Employees

Environmental Studies of the Aquatic Resources in the Prairie Creek Area

In the project area creeks and streams, fish presence/absence and/or densities were obtained by electro fishing representative habitat and the setting of baited minnow traps. Each fish caught was identified, measured, weighed and sexed, and condition was noted. Furthermore, in order to assess background tissue metal levels, ten specimens of each species were sacrificed in order to obtain the required muscle and liver tissues for analyses.

031 Biology

Reed, Shawna

Rescan Environmental Services Ltd.
6 th floor, Coopers and Lybrand Building
1111 West Hastings Street
Vancouver, BC V6E 2J3

Reference #: 12 402 562

Region: FS Location: Snare River

Other members of team: Rescan Employees

Habitat Utilization and Fish Community Structure in the Snare River

In this study fish presence/absence and/or densities were obtained by electro fishing representative habitat and the setting of baited minnow traps. When these two methods were not practical, gill nets, trap nets, and/or beach seines were employed. Each fish caught was identified, measured, sexed, and condition was noted. Ten specimens of each species from each site (up to 10) were sacrificed for background tissue metal levels.

032 Biology

Reed, Shawna

Rescan Environmental Services Ltd.
6 th Floor, Coopers and Lybrand Building
1111 West Hastings Street
Vancouver, BC V6E 2J3

Reference #: 12 402 562

Region: KI Location: Spyder Lake

Other members of team: Rescan employees

Environmental Studies of the Aquatic Resources of Spyder Lake

The researcher determined fish presence/absence and/or densities (number of fish per unit stream length) by electro fishing representative habitat (eg. pool, riffle, run) and the setting of baited minnow traps. When these two methods were not practical (eg. depth too great or flow too fast), gillnets and/or beach seines were used. The fish caught were identified, measured, weighed, sexed and the condition was noted. Tissues were analysed for metal levels.

033 Biology

Reimer, K.J.

Head

Environmental Sciences Group

Royal Roads Military Collage

FMO Victoria, BC V0S 1B0

Reference #: 12 402 494

Region: IN, KI, BA Location: Atkinson Point, Horton River, Pearce Point, Clinton Point,

Other members of team: Dr. M. Dodd, Dr. WT Decence, Dr. J.S. Polard, Dr. H. Poll, Dr. S. Grundy, K. Johnson, J. Rogers, B. Barton, D. Pier, D. Oswald,

Environmental Study of Abandoned DEW Line Sites

The researchers collected soil/sediment, water, plant, and other biological samples to investigate small-scale variations of introduced substances; to examine larger variations in tundra and marine ecosystems; and to aid decision makers in identifying when and where remedial measures can be most effectively applied. This investigation was conducted on abandoned DEW Line sites to evaluate the effect of introduced substances on the environment.

034 Biology

Sheath, Robert

Department of Biology

Memorial University

St. John's, NF A1B 3X9

Reference #: 12 402 571

Region: BA Location: Resolute, Eureka, Truelove, Bathurst Island

Other members of team: M. Vis

Distribution and Physiological Adaptions of Stream Macro algae in the High Arctic

Microscopic algae in tundra streams constitute the base of food chains in these habitats yet they are poorly studied. Their composition appears to be an extension of a portion of the temperate flora. The research was a continued survey of these species and an examination of their physiological adaptations to such a stressful habitat.

035 Biology

Sitinvar, Andreasi

Arvirk Hunters and Trappers Association

General Delivery

Repulse Bay, NT X0C 0H0

Reference #: 12 402 574

Region: KE Location: Gore Bay, Repulse Bay

Other members of team: Members of the Arvirk HTA, Fishermen of Repulse Bay, Employees of Applied Environmental Services

Test Commercial Arctic Char Fishery at Gore Bay, Repulse Bay.

A commercial weir was installed and operated at Gore Bay for the purpose of conducting a test commercial Arctic char fishery. All fish were held in a holding pen until the quota (8000 lb.) was estimated to have been captured. The daily upstream migration of Arctic char were recorded until the quota was reached. Fish were then gutted, packed, and transported to the fish processing plant in Rankin Inlet, NT.

036 Biology

Smith, Thomas

Pacific Biological Station
Nanaimo, BC V9R 5K6

Reference #: 12 402 428

Region: BA Location: Cunningham Inlet

Other members of team: R. Andrews, Dr. D. St. Aubin

Behavioural and Physiological Studies of Beluga Whales and Narwhal in the High Arctic

This ongoing study since 1973 has described the population size and behaviour of belugas. UHF tagged animals have outlined the migratory routes and seasonal movements of the whales. The researcher used newly designed tags which were linked by satellite to relay position, dive duration and depth, and heart rate of the whales.

037 Biology

Stevenson, John

Department of Renewable Resources
General Delivery
Coppermine, NT X0E 0E0

Reference #: 12 402 556

Region: KI Location: marine waters near 5 Kitikmeot communities & 1 Inuvialuit community

Other members of team: C. Adjun, J. Ashevak, D. Komayok, L. Coady, J. Hunter, R. Morrison, D. Hunter, S. Buchan, J. Kuneyuna

Inshore Fishery Assessment and Training

The Department of Renewable Resources, in consultation with Hunters and Trappers organizations, continued their survey of the types and qualities of marine species found in the waters near Holman, Taloyoak, Gjoa Haven, Cambridge Bay, Coppermine and Umingmaktok. The researchers were interested in knowing if there were sufficient shrimp, scallops, cod, clams, crab or turbot for supporting commercial harvests.

038 Biology

Suluk, Thomas

P.O. Box 143
Arviat, NT X0C 0E0

Reference #: 12 402 558

Region: KE Location: Arviat

Other members of team: A.S. Irkok, A. Kuksuk

Maguse River Char Conservation Plan: Subsistence Harvest Survey

The surveyor conducted household surveys using a questionnaire that was prepared by the Department of Fisheries and Oceans. The Arviat HTA reviewed the information and methods used for the study. A public relations campaign included a poster contest in the schools and discussions of issues through local radio programs and CB network. The posters would provide information on the survey.

039 Biology

Svoboda, Josef

Department of Botany
University of Toronto
Erindale College
Mississauga, ON L5L 1C6

Reference #: 12 402 126

Region: BA Location: Sverdrup Pass, Baker Lake

Other members of team: J. Elster, D. Nabert, T. So, S. Nimz, D. LeBlanc

1. Initial Phase of Primary Succession Following Glacial Retreat 2. Secondary Metabolites in Arctic Willow 3. Photosynthesis and Respiration in Blue-Green Algae 4. Revegetation of Snow/Ice Landscapes During the Last Ice Age 5. Monitoring of ITEX

The aim of the Sverdrup Pass Project was to learn how vegetation returned to the arctic realm after the retreat of the continental ice sheet (8000 years ago) and the prospect of the land becoming green if climate warms. The ITEX project was geared to the effect of climate warming on the vegetation. The snow-fence study at Baker Lake was concerned with the effects of long-lying snow deposited on both sides and its impact on the vegetation.

040 Biology

Vincent, W.F.

Department of Biology
Laval University
Sainte Foy, PQ G1K 7P4

Reference #: 12 402 329

Region: BA Location: Lake Hazen

Other members of team: D. Lean, A. Quesada

UV-B Impacts on the Microbial Food Web in High Arctic Freshwater Ecosystems

There is increasing evidence that levels of solar UV-B radiation have begun to rise in the high Arctic. Little is known about Microbial life-forms in the ecosystems of Arctic lakes and rivers and their UV-B resistance. A sampling hole was drilled in the lake ice. The samples of zooplankton were studied by microscope. Samples of water and periphytic communities were also taken. Under water solar radiation was also measured.

041 Biology

Wein, Ross

Department of Forest Science
University of Alberta
751 General Services Bldg.
Edmonton, AB T6G 2H1

Reference #: 12 402 350

Region: IN Location: Inuvik area

Other members of team: T. Sweda and three students

Forest and Forest Fire Studies in the Mackenzie Delta Ecosystem

Since fire is the most wide spread agent of change in the northern forest, society should know how climatic warming will influence the force. The fire history of the Mackenzie Delta Region is known only through fire suppression records over the past 25 years. Spot checks on the landscape have been made, but records longer than 5-20 decades are not available. Tree ring approaches were used in this study and the Canadian Forest Fire Weather Index System used as a guide.

Contaminants

042 Contaminants

Chan, L.H.M.

CINE, MacDonald Campus

McGill University

21, 111 Lakeshore Road

Ste. Anne de Bellevue, PQ H9X 3V9

Reference #: 12 408 102

Region: FS Location: Fort Resolution

Other members of team: O. Receveur, B. Masazumi

Estimation of the Risk to the Inhabitants of Fort Resolution of Renal Impairment Related to the Long-Term Consumption of Traditional Food Contaminated by Environmental Cadmium

The researchers collected food samples and analysed them for the presence of cadmium. The study was conducted in concert with H. Kuhnlein's study on food use patterns in Dene/Metis communities. Thus, cadmium levels in food was assessed in light of food consumption patterns in order to address the risks associated with consumption of foods containing cadmium.

043 Contaminants

Gregor, Dennis J.

Waterloo Centre for Groundwater Research

University of Waterloo

Waterloo, ON N2L 3G1

Reference #: 12 404 350

Region: BA Location: the area of the Agassiz Ice Cap on northern Ellesmere Island

Other members of team: A. Peters

Contaminant Deposition Measurements in Precipitation in the NWT

There is only limited information on contaminant trends in arctic ecosystems. This long-term study examines the amounts of contaminants present in arctic ice caps. By taking core samples from ice caps, the researchers were able to measure the levels of contaminants that have been deposited by precipitation over many years. This study also improves our understanding of the many levels of contaminants that are currently being deposited in the Arctic.

044 Contaminants

Harbicht, Stephen

Head, Assessment and Monitoring
Environment Canada, NWT Office
Box 370
Yellowknife, NT X1A 2N3

Reference #: 12 402 468

Region: BA Location: Iqaluit, Brewer Bay, Cape Dyer, Cape Hooper

Other members of team: D. Bright and others, Royal Roads; L. Johnston and others, Environment Canada; Divers; S. Soloman and others, GSC

The Extent and Pattern of Historical Ocean Disposal in Iqaluit, Brewer Bay, Cape Dyer and Cape Hooper

This study was conducted from Canadian Coast Guard's icebreaker the Perrie Radisson. This study consisted of: a preliminary sidescan sonar survey to determine the distribution of material on the bottom; identification of objects using either a remote operating vehicle or divers in shallow water; and sampling of water, sediments and biota in the vicinity of selected objects. Some objects identified in the survey were recovered for examination.

045 Contaminants

Hermanson, Mark

Academy of Natural Sciences
1900 Ben Franklin Pkwy.
Philadelphia, PA USA 19103-1195

Reference #: 12 402 332

Region: BA Location: Belcher Islands

Other members of team: Self

Organochlorine Industrial Compounds, Pesticides and Mercury in Fish from the Belcher Islands Region, NWT, Canada

Fish (most likely Arctic Char) were obtained either by purchase or by individual collection to analyse for chlorinated organic industrial compounds, pesticides and mercury. Few of these contaminants were ever used in the Arctic. They have been shown to travel to the Arctic through the atmosphere and accumulate in lake sediments and in fish tissues. An attempt was made to relate the level of contamination to age, size or type of fish.

046 Contaminants

Semkin, Raymond

Environment Canada

867 Lakeshore Road

Burlington, ON L7R 4A6

Reference #: 12 404 350

Region: BA Location: Cornwallis Island

Other members of team: B. Strachan, M. Fox, M. Hanna, R. Neureuther, M. Mawhinney, S. Kinney, P. Amarualik, M. Alae, R. Rowsell, D. Jeffries

Amituk Lake: Trace Organic Contaminants in an Arctic Aquatic System

Amituk Lake and the east coast of Cornwallis Island was a research site for documenting the occurrence and movement of organic and inorganic contaminants from winter snowpack into a freshwater lake. Numerous tests for snowpack water content and chemistry were carried out before snowmelt began. Chemical and flow measurements were also taken at six streams and the lake outlet.

047 Contaminants

Usher, Peter J.

Director, Research Division

Inuit Tapirisat of Canada

Suite 510, 170 Laurier Avenue West

Ottawa, ON K1P 5V5

Reference #: 12 410 449

Region: IN,BA,KE Location: Baker Lake, Tuktoyaktuk, Sanikiluaq

Other members of team: M. Stevenson, M. Demmer, D. Nakashima

Meeting the Information Needs of Inuit Regarding Contaminants

The researchers continued their interviews with community members on identifying contaminant issues and information needs related to those issues. Interviews were conducted with a wide range of individuals, including harvesters, elders, women, youth, and professionals. An appropriate communication strategy was developed in an appropriate cultural and social context.

* See also reference numbers 004, 015, 030, 031,098, 234-238,292, and 296 for other contaminant related research references *

Fossils

048 Fossils

Basinger, James F.

Department of Geological Sciences
University of Saskatchewan
Saskatoon, SA S7N 0W0

Reference #: 12 402 357

Region: BA Location: Bathurst Island

Other members of team: M. Kotyk, P. Gensel, S. Hill

Early Land Plants from 400 million year old Rocks of Bathurst Island

The oldest known land plants are found in rocks of about 400 million years old. Rocks of this age are rarely found in North America. Recently, fossils from this critical interval have been found on Bathurst Island (preliminary work in 1993). The researchers explored other possible sites on central Bathurst Island. The fossils recovered will contribute to the understanding of early plant evolution and to the record of early life on land in North America.

049 Fossils

Butterfield, N.J.

Department of Earth Sciences
University of Cambridge
Cambridge, UK

Reference #: 12 412 031

Region: IN Location: Mackenzie and Franklin Mountains

Other members of team: Dr. C. Nicholas

Burgess Shale - Type Fossils in the Mackenzie and Franklin Mountains

The researcher conducted helicopter-based field work out of Norman Wells. This research entailed the documentation and collection of Mount Cap Formation Rocks (shales for fossils and biomarker geochemistry, limestone for isotope geochemistry). Much of the palaeontology was laboratory-based, using acid extraction techniques on very small samples. The documented material would be stored and catalogued with the Geological Survey of Canada.

050 Fossils

Chatterton, Brian D.E.

Department of Geology
University of Alberta
Edmonton, AB T6G 2E3

Reference #: 12 404 086

Region: BA Location: Abbott R., Snowblind Cr., Cape John Dyer

Other members of team: Dr. J. Adrain

Trilobite Systematics and Event Stratigraphy of the Paleozoic

Rock samples were collected for processing in the lab. Some of these rocks were processed for fossils (primarily silicified trilobites), which were photographed and described for classification purposes. The data gathered would then be used for understanding the ancient (350-450 million years ago) ecology and the correlation of these rocks. Levels were sampled in detail where there were extinctions followed by evolutionary radiations.

051 Fossils

Gagnier, Pierre-Yves

Redpath Museum
859 Sherbrook West
Montreal, PQ H3A 2K6

Reference #: 12 404 502

Region: BA Location: Baillie Hamilton Island, Cornwallis Is., Cape Phillips

Other members of team: M. Wilson, D. Goujet, R. Thorsteinsson, T. Marss, S. Turner, D. Elliot

Palaeozoic Microvertebrate Biochronology

Collection in the field of paleontological sampling is done like geographical sampling, by breaking the rock with a hammer. Once collected, the micro-remains of vertebrate fossils are extracted with acid prepared in the laboratories. Carbonate rocks were processed with acetic acid (vinegar) or formic acid. Rocks with siliceous matrix were generally processed by dissolution of the bone with chloridric acid. Biostratigraphic correlation was made through fauna comparisons.

052 Fossils

Gardner, James D.

Department of Biological Sciences
CW 405 Biological Sciences
University of Alberta
Edmonton, AB T6G 2E9

Reference #: 12 412 042

Region: BA Location: Axel Heiberg, Ellesmere Island

Other members of team: B.A. LePage, T. Ogawa

Permo-Triassic Vertebrates from Axel Heiberg and Ellesmere Islands, NWT

The researcher examined the following geological localities and units: Sabine Bay (Permian) and Heiberg (Triassic) formations, northern Axel Heiberg Island and Blind Fiord, Blaa Mountain, and Heiberg and Sabine Bay and Svartevaeg formations, east-central Ellesmere Island. At each fossil site the researcher recorded relevant stratigraphic and sedimentological information and collected representative fossils for examination.

053 Fossils

Harrington, C.R.

Canadian Museum of Nature
P.O. Box 3443
Station D
Ottawa, ON K1P 6P4

Reference #: 12 412 041

Region: BA Location: Strathcona Fiord, Ellesmere Island

Other members of team: C. Kennedy, J. Tener, N. Rybczynski

Biostratigraphy of a Tertiary Vertebrate Locality on Strathcona Fiord Ellesmere Island

The researcher carefully trowelled and wet screened a peaty deposit to gather remains of Tertiary vertebrates, plant, and invertebrates remains in the beaver-pond site near Strathcona Fiord. This was done in an effort to better understand the paleoenvironment and the geological age of the deposit.

054 Fossils

Johnston, Paul A.

Royal Tyrrel Museum

Box 7500

Drumheller, AB T0J 0Y0

Reference #: 12 412 029

Region: BA Location: Cornwallis Island and Ellesmere Island

Other members of team: A. Neuman, R. Campbell, Dr. G. Daoyuan, G. Phillips

Silurian and Devonian Faunas - Arctic Canada

The research team searched parts of Cornwallis and Ellesmere Island for fossils of ancient sea and land creatures that lived more than 400 million years ago. Of special interest are the remains of eurypterids (sea scorpions), giant armoured fishes, jawless fishes, molluscs and early land animals. The fossils will be used for new exhibits and educational programs at the Tyrrell Museum and the Fraser Ft. George Regional Museum.

055 Fossils

Kah, Linda C.

Department of Earth and Planetary Sciences

Harvard University

24 Oxford St.

Cambridge, MA, USA 02138

Reference #: 12 412 034

Region: BA Location: the area of north Baffin Island near Pond Inlet and Arctic Bay

Other members of team: A.H. Knoll, 1 field assistant

Carbonate precipitation in the Mesoproterozoic Society Cliffs Formation, Bylot Supergroup, on northern Baffin Island

Characteristics of ancient sediments reveal information about the chemical, biological and physical environment within which these sediments were formed. By studying the patterns of rocks found in the north Baffin area, the researcher may discover how much of the formation of these rocks was due to the algae that lived in ancient oceans, and how much was due to the chemical makeup of the water. The researcher continued the study (begun in 1993) on these ancient reefs.

056 Fossils

Lenz, Alfred C.

Department of Geology

The University of Western Ontario

London, ON N6A 5B7

Reference #: 12 412 039

Region: BA Location: Twilight Cr, Humphries Hill, Cape Manning, Snowblind Cr

Other members of team: E. MacDonald, J. Shaw, H. Shaw

Taxonomic and Biostratigraphic Studies of Silurian (about 400,000,000 years ago) Graptolites (extinct organisms) and Radiolaria (micro-organisms) of Central Arctic Islands.

The researchers collected samples of shales and limestone at regular intervals (usually about every 1 metre or less). Samples were bagged and shipped back to the university for further study. This study will help researchers better understand the geological history of the Arctic.

057 Fossils

LePage, Ben A.

Department of Botany
University of Alberta
Edmonton, AB T6G 2E9

Reference #: 12 404 424

Region: BA Location: Axel Heiberg and Ellesmere Island

Other members of team: J.D. Gardner, T. Ogawa

Permian Plants of Axel Heiberg and Ellesmere Islands, Canadian Arctic Archipelago

The researcher began a preliminary paleontological investigation of Permian age (about 250 million years old) sediments of the Sabine Bay Formation and the fossil plants contained within these deposits. The plants recovered were identified and compared to Permian floras from Russia, Greenland, and Europe. Localities yielding interesting or well-preserved specimens would provide a basis for future study. J. Gardiner looked for vertebrate remains.

Geology

058 Geology

Anglin, C.D.

Geological Survey of Canada

Rm. 679

601 Booth Street

Ottawa, ON K1A 0E8

Reference #: 12 404 510

Region: BA Location: Cornwallis, Little Cornwallis and Bathurst Islands

Other members of team: R. Knight, D. Harvey

Mineral and Energy Resource Assessment and the Northern Bathurst Island Area

The researcher examined and sampled mineral showings on Cornwallis, Little Cornwallis and Bathurst Islands. The areas were mapped (geological) and samples of other rocks were collected in order to determine their potential for additional mineralization. The researcher assessed the mineral and energy resource potential of the Northern Bathurst Island proposed national park area on behalf of DIAND and Parks Canada.

059 Geology

Arne, Dennis C.

Department of Earth Sciences

Dalhousie University

Halifax, NS B3H 3J5

Reference #: 12 404 497

Region: BA Location: Otto Fiord on northern Ellesmere Island

Other members of team: one field assistant

Thermal and Tectonic History of the Sverdrup Basin and Franklinian Mobile Belt, Canadian Arctic Archipelago

Rock samples were collected in order to examine their structure and composition. Tests conducted on these samples provided information about how these rocks were formed and the maximum temperatures to which these rocks were heated. These tests, conducted at Dalhousie University, help to determine the geological history of the Canadian Arctic Archipelago.

060 Geology

Beauchamp, Benoit

Geological Survey of Canada

3303-33rd Street NW

Calgary, AB T2L 2A7

Reference #: 12 404 428

Region: BA Location: Otto Fiord

Other members of team: U. Mayr, C. Harrison, A. Embry

Upper Paleozoic Basin Analysis of Sverdrup Basin Canadian Arctic

Field work consisted of measuring stratigraphic sections on Northwestern Ellesmere Island, using a 1.5 m Jacob's Staff. Samples for lithology, palaeontology and geochemistry were taken at intervals. This was done to gain an understanding of the stratigraphic relationships of the Carboniferous and Permian strata in the Sverdrup basin and to evaluate the resource potential (oil, gas, minerals) of these rocks.

061 Geology

Bleeker, Wouter

Geological Survey of Canada
c/o Rm 461 - 601 Booth Street
Ottawa, ON K1A 0E8

Reference #: 12 404 506

Region: FS Location: the Slave Province

Other members of team: C. Beaumont-Smith

Thematic Structural Studies in the Slave Province

Researchers conducted routine geological research out of small mobile camps by means of traverse and boat work. The researchers observed and described bedrock geology at a large number of sites. This was done to gain a better understanding of the geological and tectonic history of the Slave structural Province.

062 Geology

Boyes, Donald M.

Department of Geography
Social Science Centre
University of Western Ontario
London, ON N6A 5C2

Reference #: 12 404 509

Region: IN Location: the Mackenzie Delta

Other members of team: N. Mayer, O. Nugent

Geomorphologic and Hydrologic Analysis of Surface Features of the Mackenzie Delta, NT Using Spacial Image Analysis

The collection of the field data was required to collaborate satellite image classifications and interpretations concerning water body measurements, plant community types and sedimentation patterns. Field measurements included measuring ground distances and recording plant characteristics. Nothing in the field area would be destroyed or removed.

063 Geology

Dixon, James

Geological Survey of Canada
Institute of Sedimentary and Petroleum Geology
3303 - 33rd Street NW
Calgary, AB T2L 2A7

Reference #: 12 404 421

Region: IN Location: the Richardson Mountains, McDougall Pass, Aklavik Range

Other members of team: Assistant

Stratigraphic and Sedimentology of Carboniferous to Triassic Strata

The research involved measuring the thickness of the rocks, identifying the rock types, observing the structures within the rocks and collecting samples for additional laboratory analysis. Most of the work conducted used helicopter support out of Inuvik and Tuktoyaktuk, visiting the sites on a daily basis. If some sites required more than one day's work, a small two-man camp was set up.

064 Geology

Good, Ron

Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Reference #: 12 404 445

Region: IN Location: Kittigazuit Bay, Lousy Point, Swimming Point, Tuktoyaktuk

Other members of team: R. Burns, A. Roganzenski, M. Douma, and 8 Assistants

Geotechnical Properties/Electrical Methods Development

The researcher conducted a Geotechnical survey of the area. Components of this survey included shallow geological drilling, geophysical downhole logging, geophysical electrical sounding and a snow depth transect. A crew transversed the area by foot and skidoo.

065 Geology

Gray, James T.

Department de Geographie
Universite de Montreal
C.P. 6128 Succ A.
Montreal , PQ H3C 3J7

Reference #: 12 404 363

Region: BA Location: Akpatok Is., Resolution Is., Button Islands

Other members of team: L. Giugni, E. Thibault, T. Brynczka

Glacial Geomorphological Field Mapping on Akpatok Island, Resolution Island and Button Islands

The research team landed by helicopter from the coastguard vessel at a number of sites along the coasts of Resolution Island, Button Islands and Akpatok Island. Researchers measured with a compass the directions of glacial scratches made by former ice sheets on bedrock and the old raised beaches, which have been uplifted after glaciers left. Researchers identified the geology of boulders and used old marine shells to date the age of these events.

066 Geology

Groat, Lee A.

Department of Geological Sciences
University of British Columbia
6339 Stores Street
Vancouver, BC V6T 1Z4

Reference #: 12 404 488

Region: FS Location: Selwyn Mountains north of Tungsten

Other members of team: T.S. Ercit, M. Raudsepp

Granitic Pegmatites of the Canadian Cordillera

The researchers continued their study (which began in 1993), on the pegmatites found in the Selwyn Mountains and other western Canadian locations. Pegmatites contain rare elements such as lithium, beryllium, rubidium, niobium, cesium and talalium. This study resulted in a summary of information on their classification, origins and economic potential.

067 Geology

Henderson, J.R.

Continental Geoscience Division
Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Reference #: 12 404 462

Region: KI Location: High Lake Greenstone Belt

Other members of team: M.N. Henderson, J. Dehls, M. O'Keefe, J. Kerewill

Geology of the High Lake Greenstone Belt

The research team walked the boundaries of different kinds of rocks. The boundaries were drawn on aerial photographs and transferred to topographical map bases. A geological map will be produced and published by the Geological Survey of Canada.

068 Geology

Hogarth, D.D.

Department of Geology
University of Ottawa
61 Louis-Pasteur
Ottawa, ON K1N 6N5

Reference #: 12 404 435

Region: BA Location: Kodlunarn Island, Beare Sound

Other members of team: Dr. R. Auger, I. Nowdluk

Petrology, Mineralogy and Structural Geology of Martin Frobisher's Ores

A geological map was made and specimens of both "ores" and surrounding rock were collected at Kodlunarn Island and Bear Sound. The rocks were analysed for normal rock-forming constituents and precious/platinum metals. Minerals were analysed by microprobe. The researcher did this in order to determine if the Bear Sound ores belong to the same suite of metals as the Kodlunarn Island metals and to document Frobisher's mine.

069 Geology

Hrabi, Blair

Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Reference #: 12 404 505

Region: FS Location: the Winter Lake area

Other members of team: 1 assistant

Detailed Bedrock Mapping in the Winter Lake Supracrustal Belt

This was the final summer of field work for this project. The detailed mapping data in combination with geochemistry will enable the researcher to give a detailed geological history of the area, including timing of certain geological events (age of volcanism and granitic plutons) as well as a deformational history.

070 Geology

Irwin, Doug

Energy, Mines and Petroleum Resources

Government of the NWT

Box 1320

Yellowknife, NT S1A 2L9

Reference #: 12 404 481

Region: KE Location: the area of Kaminak Lake

Other members of team: S. Cairns, B. MacPherson, S. O'Connel, L. Ikakhik

Preliminary Geology and Mineral Potential of the Kaminak Lake Area

In this research, the Tankin-Ennadai Greenstone belt located near Kaminak Lake was mapped by examining and collecting rocks of the area. The information collected on this survey was transferred onto a map. Rock types and mineral showings were plotted on the map and related to geological features of the area.

071 Geology

Johnstone, Robert

Mineral Initiatives, MDA

Energy Mines and Petroleum Resources

Government of the NWT Box 1320

Yellowknife, NT X1A 1V7

Reference #: 12 404 380

Region: FS Location: the Mackay Lake area

Other members of team: Assistant

Geology and Mineral Potential of the Camsell Lake - Mackay Lake Area.

In this final year of the project the researchers hiked around the area inspecting bedrock exposures, taking notes on rock types, structures and mineralization and sampling rock for microscopic and geochemical analysis back in Yellowknife.

072 Geology

Kerr, Dan

5013 - 51 Street

Yellowknife, NT X1A 1S5

Reference #: 12 404 269

Region: KI Location: Point Lake, Contwoyto Lake

Other members of team: Dr. Lynda Dredge, Brent Ward; 3 or 4 assistants

Quaternary Geology of the Point Lake and Contwoyto Lake

Conducted mapping of surficial deposits based on airphoto interpretation and field work. Dug small holes to obtain soil samples. Samples were analysed to determine their chemical composition.

073 Geology

Kettles, Inez

Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Reference #: 12 404 511

Region: IN Location: the Inuvik and Norman Wells area

Other members of team: None

Peatland - Permafrost Mapping and Environmental Implications

The researcher mapped the configuration of peat deposits and permafrost within them using geophysical surveys (ground penetrating radar and EM-31). This involved setting out a traverse line on foot using measuring tape and flagging tape, taking measurements along the traverse line with hand-held equipment and measuring the depth of peat using a probe. The researcher drove or flew out to the research sites.

074 Geology

King, Roger H.

Department of Geography
Social Science Centre
University of Western Ontario
London, ON N6A 5C2

Reference #: 12 404 293

Region: BA Location: Truelove Lowland, Devon Island

Other members of team: A.Lev, J. Luce, L. Morash, M. LaFreniere

The Study of Environmental Change, Truelove Lowland, Devon Island, NT

This was a continuation of a long-term study of the record of past environmental changes preserved in the sediments of the Truelove Lowland. Sediment traps that were placed in Immerk and Loon Lake were removed and analysed. Also the temperature and moisture conditions of soil surrounding Fish Lake was monitored and samples collected.

075 Geology

Kjarsgaard, Bruce A.

Continental Geoscience Division
Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Reference #: 12 404 455

Region: FS Location: the Lac de Gras area

Other members of team: R.J.S. Wyllie, J. Jakop, R.N. Spark

Detailed Bedrock Mapping, North East Quadrant of the Lac de Gras Sheet

This was the final season of this bedrock mapping project, which was done to update the geological knowledge in the Lac de Gras area (which was last mapped in the 1940's). Detailed mapping, geochemical and geochronological studies were used to help understand the geological evolution of the area. Mapping was accomplished by foot and boat traverses, and with fixed and rotary wing aircraft support.

076 Geology

Lambert, M.B.

Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Reference #: 12 404 507

Region: BA Location: the Muskox Lake region

Other members of team: C. Davis

Archean Felsic Volcanic Complex Near Regan Lake, District of the Mackenzie, NWT

The researcher conducted detailed mapping of the area. The researcher traversed the area by foot and used a small boat on the river systems. In the laboratory, the chemistry and radiometric age of the volcanic rock units were examined in order to determine the relationship of the mineral deposits to this volcano.

077 Geology

Nixon, Mark

Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Reference #: 12 404 398

Region: IN,FS Location: Mackenzie Valley and Delta

Other members of team: A. Taylor and C. Tarnocai

Active Layer Monitoring Network in the Mackenzie Valley.

For this on-going study, measurements such as maximum depth of thaw and surface movements recorded after the previous visit was collected. Monitoring devices were reset for this season.

078 Geology

Pehrsson, Sally

Geological Survey of Canada
Rm. 461
601 Booth Street
Ottawa, ON K1A 0E8

Reference #: 12 404 504

Region: FS Location: the Indin Lake area

Other members of team: 3 students

Detailed Bedrock Mapping in the Indin Lake Area

This was part of ongoing summer field work for this project. The detailed mapping data in combination with the geochemical sampling will enable the researcher to give a detailed geological history of the area, including the timing of certain geological events (age of volcanism and granitic plutons) as well as a deformational history.

079 Geology

Peterson, Tony D.

Continental Geoscience Division
Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Reference #: 12 404 458

Region: KE Location: the Dubawnt Lake area

Other members of team: C. Lee, N. Mohan, and one other assistant

The Dubawnt Super Group

Collection of rock samples and subsequent study by examination of thin sections, geochemical analysis, and geological mapping. Work in the field was conducted by boat and foot traversing with some support by aircraft. This was done in order to determine the geological history of Archean crystalline rocks.

080 Geology

Relf, Carolyn

Mineral Initiatives Office
Energy, Mines and Petroleum Resources
Box 1320
Yellowknife, NT X1A 2L9

Reference #: 12 404 450

Region: KI Location: Avialik River

Other members of team: Four Assistants

Geological Mapping of the Avialik River Volcanic Belt

In this ongoing study, the researcher examined the nature of the rocks found in the volcanic belt of the Avialik River area. This work helped to determine the amount of base metals and precious metals found in this belt of rocks. In addition, the movement of rocks (in the past) along a fault was examined. Geological mapping (field work) was done in the summer while analysis of the rocks was done in the following fall and winter.

081 Geology

Scott, David J.

GEOTOP/UQAM
University du Quebec a Montreal
C.P. 8888, Succ. Centre-Ville
Montreal, PQ H3C 3P8

Reference #: 12 404 487

Region: IN Location: Meta Incognita and Hall Peninsulas

Other members of team: L. Godin

Reconnaissance U-Pb Geochronology, Southern Baffin Island

The bedrock geology of this area preserves a record of geological processes which occurred over 2 billion years ago. A collision of the continental margin (including Lake Harbour rocks) with another continental block resulted in a mountain belt. The eroded ancient mountain belt (the Lake Harbour rock) was examined to determine the age of the rock to better understand the continental margin and to determine the time of this collision.

082 Geology

Stubley, Michael

Energy, Mines and Petroleum Resources
Government of the Northwest Territories
Box 1320
Yellowknife, NT X1A 2L9

Reference #: 12 404 382

Region: FS Location: the Nardin Lake area

Other members of team: K. Jaegli, T. Tyler, S. Bilben

Geology of the Nardin Lake Area, South-Central Slave Province

The research team examined, documented, and sampled surface outcrops in the study area. The information was recorded on a map which summarized the geological rock-types and mineral resources in the area.

083 Geology

Tarnocai, Charles

Centre for Land and Biological Resources Research
KW Neatby Bldg. CEF
Ottawa, ON K1A 0C6

Reference #: 12 402 301

Region: IN Location: the Mackenzie Valley area

Other members of team: Dr. K.L. MacInnes

Soil Climates of the Mackenzie Valley

Soil (at seven depths) and air temperature data were recorded by data loggers. These loggers were programmed to collect data every 3 hours on the hour. The sites were visited twice a year to reprogram the loggers. In addition, active layer depth and subsidence were recorded during the fall visit. Researchers collected this data in order to determine the effect of climate change on the environment and to provide soil temperature and other data.

084 Geology

Tella, S.

Continental Geoscience Division
Geological Survey of Canada
Rm. 381, 601 Booth Street
Ottawa, ON K1A 0E4

Reference #: 12 404 453

Region: KE Location: the Rankin Inlet area

Other members of team: One student assistant

Regional Bedrock Mapping Studies in the District of Keewatin

Bedrock mapping took place through daily foot traverses. Bedrock geological information was collected to produce geological maps. This was done in order to assess the economic potential of the region.

085 Geology

Thompson, Peter H.

Continental Geoscience Division

Geological Survey of Canada

601 Booth Street

Ottawa, ON K1A 0E8

Reference #: 12 404 456

Region: FS Location: Winter Lake

Other members of team: 4 students

Regional Bedrock Mapping of the Winter Lake - Lac de Gras Area.

This was the concluding summer of a regional scale bedrock mapping project, with associated geochronology sampling. The researcher accomplished this by boat, foot and occasional fixed wing and periodic helicopter support. All the data was digitally entered for map compilation and generation.

Health

086 Health

Brown, Thomas

Department of Psychology
Concordia University
1455 de Maisonneuve Blvd. West, Annex MI-103
Montreal, PQ H3G 1M8

Reference #: 12 408 109

Region: BA Location: Iqaluit

Other members of team: T. Brown

Evaluation of Treatment for Inuit Substance Abusers

The researcher explored how non-medical community based Inuit substance abuse treatment programs in Iqaluit and Kuujuaq both promote and maintain recovery. The researcher developed, tested the feasibility of, and translated an assessment instrument. This study was the first stage of an ongoing research project. In the second stage of this research project, the researcher proposed to evaluate the assessment instrument.

087 Health

Chamberlain, Marie

University of Ottawa
Faculty of Health Sciences
451 Smyth Road
Ottawa, ON K1H 8M5

Reference #: 12 408 108

Region: KE Location: Rankin Inlet, Baker Lake

Other members of team: J. England

Evaluation of the Birthing Project in Rankin Inlet, NWT

The researcher reviewed medical charts and a data collection tool filled out for all women who gave birth in a one-year period from Rankin Inlet and Baker Lake. Fifteen women from each hamlet and 10 male partners were interviewed. Midwives were observed at the Rankin Birthing Centre during a one-month period. The researcher also conducted interviews with health personnel and key informants in Rankin Inlet at the end of the one-year period.

088 Health

Chan, L.H.M.

CINE, MacDonald Campus
McGill University
21, 111 Lakeshore Road
Ste. Anne de Bellevue, PQ H9X 3V9

Reference #: 12 408 102

Region: BA Location: Broughton Island

Other members of team: O. Receveur, H.V. Kuhnlein

Assessment of Effects of Preparation on Levels of Organic Contaminants in Inuit Traditional Food

The project is to see how different organic contaminants change with different preparation methods of the important fatty foods used by the Inuit. The research focused on food prepared for eating. Samples (approx. 120) were collected and prepared by a research assistant from the community. The study aimed to find the best ways to prepare these food items to reduce exposure to these contaminants (PCB's, Toxaphene, chlordane, and DDT).

089 Health

Christensen, Jill

Regional Nutritionist
Mackenzie Regional Health Service
Box 520
Yellowknife, NT X1A 2N4

Reference #: 12 408 097

Region: FS Location: Ndilo, Dettah and Yellowknife

Other members of team: Y. Green

Dietary study of the Yellowknives Dene Band: Yellowknife Back Bay Project

The researchers continued to collect information on the consumption patterns in traditional and store-bought foods as well as lifestyle patterns (eg. fishing and hunting activities, health beliefs, traditional food use) of residents of Ndilo and Dettah. This information would be combined with results of the Back Bay Fish Study (contaminants in fish) in order that human health implications of dietary patterns can be assessed.

090 Health

Fleming, Brian

General Delivery
Municipality of Sanikiluaq
Sanikiluaq, NT X0A 0W0

Reference #: 12 410 476

Region: BA Location: Sanikiluaq

Other members of team: E. Wein

Sanikiluaq Traditional Food Study

Two researchers from Sanikiluaq conducted interviews with a household food frequency questionnaire, a food preference questionnaire and a 24-hour recall of daily food consumption. All households in the community were interviewed to determine the frequency of food use and food consumed in a 24 hour period. This study will document the frequency of consumption of traditional foods.

091 Health

Hall, Barbara

Student Support Division
Department of Education
Box 1320
Yellowknife, NT X1A 2L9

Reference #: 12 408 069

Region: NWT Location: schools throughout the NWT

Other members of team: A. King, M. Peart, D. Green, J. Heyland, G. Corvari

A Determination of Factors Influencing the Health, Knowledge, Skills, Attitudes and Behaviours of Children and Youth in the Northwest Territories

The researchers continued their study (started in 1992) on assessing the health-related knowledge, skills, attitudes and behaviours of children and youth in the NWT. Data was collected through a survey administered through NWT schools. Teachers were also surveyed with regard to the implementation of the NWT School Health Program. Researchers from selected communities were trained to conduct interviews and administrate questionnaires.

092 Health

Harris, Ronald W.

Box 2101
Cambridge Bay, NT X0E 0C0

Reference #: 12 408 105

Region: NWT Location: all regions throughout the NWT

Other members of team: self

Factors Predictive of Long-Term Tenure in the Recruitment of Nurses for Community Health Centre Settings in the NWT

Nurses presently employed in the various health delivery settings across the NWT were surveyed to identify the factors contributing to longer tenure. Data was collected and analysed in order to assess trends and models for recruitment screening and nurse hiring practices were developed.

093 Health

Hessel, Patrick A.

13-103 Clinical Sciences Bldg.
University of Alberta
Edmonton, AB T6G 2G3

Reference #: 12 408 101

Region: IN Location: Deline (Fort Franklin)

Other members of team: M. Fraser (co-investigator), S. Prior, I. Ahmed, C. Burt, K. Yoshida, R. Cowie

Lung Health in Deline (Fort Franklin), NWT

With the input of the community, this research has been designed to examine lung health, specifically to document respiratory diseases and investigate risk factors associated with them. Interviews with all participants, lung tests (8 years of age and up), and x-rays (18 years of age and up) were conducted. Information was used to develop community-based programs to improve lung health. Residents were trained for data collection.

094 Health

Kowerchuk, Kathryn

36 Johnson Crescent
Yellowknife, NT X1A 3E9

Reference #: 12 408 104

Region: FS Location: Yellowknife

Other members of team: self

Factors Affecting "No-Shows" for the Orthopaedic Medical Clinic at a 135-Bed Primary Acute Care Facility in the NWT

The researcher examined appointment records for the Orthopaedic Medical Clinic (Stanton Yellowknife Hospital) in order to determine what factors contribute to patients not showing up for their scheduled appointments at the Clinic. The information collected would assist health care facilities in determining why patients do not show up for their appointments (i.e., identify difficulties in travel, costs, etc.) and to improve this aspect of health service.

095 Health

Kuhnlein, Harriet V.

CINE, MacDonald Campus
McGill University
21 - 111 Lakeshore Road
Ste. Anne de Bellevue , PQ H9X 3V9

Reference #: 12 408 067

Region: IN,FS Location: 16 selected western NWT communities

Other members of team: B. Erasmus (Dene Nation), B. Masazumi (Dene Nation), W. Carpenter (Metis Nation), O. Receveur, R. Soueida

Variance In Food Use in Dene/Metis Communities

The researchers collected information about levels of food consumption in Aklavik, Arctic Red River, Deline, Ft. Good Hope, Colville Lake, Ft. Simpson, Ft. Rae, Lutsel K'e, Ft. Resolution, Ft. Smith, Ft. McPherson, Edzo, Wrigley, Jean-Marie River, Ft. Providence, and Hay River. Three types of surveys were delivered by trained community members: (1) a 24-hour diet recall; (2) a sociocultural survey; and (3) a traditional food use survey.

096 Health

Moore, Jan Allison

1266 Pine Avenue West
Montreal, PQ H3G 1A8

Reference #: 12 408 099

Region: KI Location: Coppermine

Other members of team: self

Environmental Factors Affecting Conductive Hearing Loss in Inuit Children

During 1993, seventy-six families in Coppermine participated in this study. Each child's hearing was assessed and each family was interviewed. Information was gathered on the family routine, diet and parenting style. Additional field trips to collect similar data are planned: the same children and families were re-assessed during January and March 1994. Changes in hearing capability were analysed in terms of diet, sleep pattern and level of smoking.

097 Health

Norwich, Ed

Capital Planning and Maintenance
Department of Health, GNWT
CST-6th Floor, Box 1320
Yellowknife, NT X1A 2L9

Reference #: 12 408 098

Region: IN,FS Location: the Inuvik region and Yellowknife

Other members of team: S. Ashton, D. MacDonald

Comparison of Costs of Health Services Provided in the Inuvik Region: Preparation for Future Oil and Gas Development

The researchers completed their assessment of different health care systems in order to determine the most cost-effective, flexible and appropriate system for the Inuvik region. The primary goal of this study is to compare costs associated with delivering health care through the 'community-based nurse' model and the 'medical' model. By collecting information from Dept. of Health sources, this study may be able to address future health care needs for this region.

098 Health

Seddon, Laura

Regional Cord Blood Program Coordinator
Mackenzie Regional Health Service
Box 520
Yellowknife, NT X1A 2N4

Reference #: 12 408 106

Region: FS,KI Location: Yellowknife

Other members of team: J. Walker

Human Contaminant Trends in Arctic Canada (Cord Blood Monitoring)

This activity helped expand the human health baseline on exposure and effects of environmental contaminants on humans in the NWT. Blood was sampled from participating mothers and from the umbilical cord to determine the levels of specific organochlorines and heavy metals. This activity involved the participation of communities and community health workers in all aspects including design, implementation and reporting of results.

099 Health

Shotton, Robert

148 Glen Avenue
Ottawa, ON K1S 3A2

Reference #: 12 408 103

Region: BA Location: Iqaluit

Other members of team: self

Joint Management of Health Care in the NWT: The Baffin Regional Health Board

The researcher conducted interviews with Board Trustees, the Chair and the Chief Executive Officer of the Baffin Regional Health Board regarding the frequency and nature of their interactions with administrative staff, and Board involvement in the management of health services in the region. The study was designed to assess the effectiveness of the Board as a new institution in public participation in public service management in the NWT.

* See also reference number 042 for other health related research references *

Physical Sciences

100 Physical Sciences

Bocking, Stephen

Royal Society of Canada, Research Eval. Unit
University of British Columbia
6284 Biological Sciences Road
Vancouver, BC V6T 1Z4

Reference #: 12 402 557

Region: IN,FS Location: Yellowknife, Inuvik, Hay River and Fort Smith

Other members of team: M. Healey, L. Mysak, W. James, D. Sherstone, D. Stager, D. Thompson

Royal Society Evaluation of Aquatic Activities in the Mackenzie Basin

The researchers completed their data collection activities in the NWT. All available literature on Mackenzie Basin aquatic science and environmental management was catalogued and reviewed in order to identify appropriate criteria for the evaluation of aquatic science activities in the region. The results of this study will assist in coordinating existing and future research activities as well as identifying means to enhance local involvement.

101 Physical Sciences

Bradley, Raymond S.

Department of Geology and Geography
Morril Science Centre
University of Massachusetts
Amherst, Massachusetts USA 01003

Reference #: 12 404 059

Region: BA Location: Sophia Lake, Cornwallis Island

Other members of team: M. Retelle, D. Hardy, M. Douglas, C. Braun

Laminated Lake Sediments from the Canadian High Arctic

The researchers measured weather conditions in the Sophia Lake area, together with measurements of stream flow and sediment movement in the lake. This information helped in understanding what controls the transfer of sediment from the land to the lake, and how this transfer is dependent on year to year changes in the weather. By examining the lake sediments, we may be able to reconstruct changes in weather over the last few thousand years.

102 Physical Sciences

Burn, C.R.

Department of Geography
Carlton University
Ottawa, ON K1S 5B6

Reference #: 12 404 325

Region: IN Location: the Mackenzie Delta (near Inuvik and on north Richards Isl.)

Other members of team: field assistants

Investigation of Ground Ice Development in Sediments of the Mackenzie Delta Area

The researcher continued to collect samples of ground ice and measured temperatures in lakes and ponds. This information was used to help understand how the ground heaves as it freezes during thaw in summer. The information about lakes was also used to help understand the relations between water depths and temperatures beneath the lake.

103 Physical Sciences

Cota, Glenn

Collage of Liberal Arts
Graduate Program in Ecology
University of Tennessee 108 Hoskins
Knoxville, Tennessee USA 37996-1191

Reference #: 12 402 478

Region: BA Location: Barrow Strait

Other members of team: M. Goldman & T. Sifferd

Remote Sensing of Ocean Colour in the High Arctic

Light leaving the ocean's surface can be detected remotely by satellite. With the proper conversion factors satellites can tell us the amount and growth of plant material in the oceans. Microscopic plants comprise the base of the marine food chain, serving as food for all animals. Because of their dark colouration plants absorb light and produce heat. The researchers were studying what colours and how much light is absorbed by plants to determine conversion factors for satellites.

104 Physical Sciences

Engebretson, Mark

Department of Physics
Augsburg College
731 21st Avenue S.
Minneapolis, MN USA 55454

Reference #: 12 404 473

Region: BA, KI Location: selected Baffin and Kitikmeot communities

Other members of team: W.J. Hughes, G. Rostoker, J. Samson, L. Cahill Jr.

Magnetometer Array for Cusp and Cleft Studies (MACCS)

In previous years, instruments were installed in Clyde River, Igloolik, Pelly Bay, Gjoa Haven, Pangnirtung, Coral Harbour, Repulse Bay, Cape Dorset and Iqaluit in order to measure the earth's magnetic field. Data was collected continuously by the instruments, called magnetometers, for a period of several years. This information helped researchers understand the nature of the aurora.

105 Physical Sciences

English, Michael

Cold Regions Research Centre
Wilfrid Laurier University
75 University Avenue West
Waterloo, ON N2L 3C5

Reference #: 12 404 425

Region: BA Location: the Colour Lake basin, west-central Axel Heiberg Island

Other members of team: S. Schiff (co-investigator), L. Fishback, S. McKay, C. McCrea, J. Patterson, P. Wolfe

Hydrology and Geochemistry of a High Arctic Lake Basin: Colour Lake, Axel Heiberg Island, NWT

The researchers were interested in understanding how physical factors (snowmelt, rainfall, solar radiation) play a role in thawing the upper part of the ground each year during the spring and summer. Instruments in the ground collected data that estimated how much energy (from the sun) is entering into and melting the frozen ground. Other instruments measured snowmelt, rainfall and the chemistry of the water. This was part of a multi-year study.

106 Physical Sciences

English, Michael

Cold Regions Research Centre
Wilfred Laurier University
75 University Avenue West
Waterloo, ON N2L 3C5

Reference #: 12 404 425

Region: BA Location: Pond Inlet

Other members of team: S. den Ouden

Climatic Variability and Hunting and Trapping Success in the Pond Inlet Region

This study examined how climate influences the success of hunting and trapping in the Pond Inlet area. The amount of snowfall and air temperature varies from year to year. Increased snowfall may result in thick sea ice, affecting the distribution of sea breathing holes and number of polar bear found hunting. The researcher met with the Hunters and Trappers Associations in regards to this.

107 Physical Sciences

Falkner, Kelly K.

College of Oceanic and Atmospheric Sciences
Oregon State University
Oceanography Administration Bldg. 104
Corvallis, USA 97331-5503

Reference #: 12 404 500

Region: IN Location: the Mackenzie Delta near Tuktoyaktuk

Other members of team: C. Guay, J. Simpkins III, J. Jacobson

Tracking Arctic River Water by Geochemical Means: Mackenzie Delta Case Study

The researchers tracked the fate of the Mackenzie River waters through the Delta and into the Arctic Ocean by using natural geochemical markers. Water samples were collected by drilling through the ice at 50 locations along the main channel of the river and out over the shelf. This information is important for understanding the circulation of the Arctic Ocean waters, the processes of global climatology, and the distribution of ocean contaminants.

108 Physical Sciences

Gajewski, Konrad

Department of Geography
University of Ottawa
165 Waller
Ottawa, ON K1N 6N5

Reference #: 12 412 036

Region: BA Location: Devon Island

Other members of team: P. Hamilton

Modern Pollen Deposition On Western Devon Island

This is the continuation of a multi-year project to determine the long-term (1000's of years) vegetation history. Researchers collected sediment samples from the bottom of a series of small lakes. Samples of the uppermost sediment were collected with a dredge or short corer. In the lab pollen were extracted and identified. This data was entered on a databank to be used to determine the types of pollen being deposited by present-day vegetation.

109 Physical Sciences

Gan, Thian Yew

Department of Civil Engineering
310A Civil Engineering Building
University of Alberta
Edmonton, AB T6G 2G7

Reference #: 12 404 479

Region: BA Location: the McMaster River Basin area on Cornwallis Island

Other members of team: S. Lovell

Estimating areal snow water equivalent of the NWT using passive microwave data

The researchers returned to Cornwallis Island to collect data on snow depth in the McMaster River Basin area. This information was used to test a computer model or algorithm that has been developed which estimates snow depths from remote sensing data. The development of an algorithm which accurately predicts snow depth from remote sensing data will assist in our knowledge about the distribution of snow in the NWT.

110 Physical Sciences

Hartshorn, James

Department of Geography
Erindale College
University of Toronto
Mississauga, ON L5L 1C6

Reference #: 12 404 503

Region: BA Location: Sawtooth Mountain Range, Fosheim Peninsula, Ellesmere Is.

Other members of team: S. Currie

High Arctic Debris Flow Activity in the Sawtooth Mountains, Ellesmere Island, NWT, Canada

Debris flows are landslides composed of rock, soil and water that start on steep slopes as a result of rapid snowmelt and/or intense rainfall. They are significant processes in both periglacial and non-periglacial regions, both visually dominant and geomorphically effective through downslope transport of material. The aim of this study was to assess the cause and effect of such activity in order to gain an understanding of variation in flow frequency and magnitude.

111 Physical Sciences

Hicks, Faye E.

Department of Civil Engineering
University of Alberta
Edmonton, AB T6G 2G7

Reference #: 12 404 493

Region: FS Location: the Fort Providence area

Other members of team: D. Andres (co-investigator) plus additional technicians and students

Freeze Up and Breakup Observations on the Mackenzie River near Fort Providence

The researchers continued their monitoring of ice formation and breakup at the Mackenzie River crossing near Fort Providence. Data was collected on water levels, river velocity, ice thickness and strength, and snow depth. This information contributed to our knowledge of ice formation and breakup at this crossing, with a goal of predicting Freeze up and breakup events.

112 Physical Sciences

Hill, Philip R.

Centre Oceanographique de Rimouski
310, allée des Ursulines
Rimouski, PQ G5L 3A1

Reference #: 12 404 447

Region: IN Location: the outer Mackenzie Delta and the Tuktoyaktuk Peninsula

Other members of team: G. Desmeules, V. Kauppaymuthoo, S. Desmarais-Charland, J.-D. Bouchard

Coastal Evolution and Sedimentary Processes in the Mackenzie Delta and Tuktoyaktuk Peninsula Region

The researchers examined the rate of coastal change in the outer Mackenzie Delta Region in order to understand the factors contributing to present delta formation and coastal erosion, and to understand how global climate warming may affect coastal change. Surveys on beaches, sand bars and delta lakes were conducted.

113 Physical Sciences

Hudak, Dave

Atmospheric Environment Service
Weather Radar Station
14780 Jane Street
King City, ON

Reference #: 12 404 513

Region: IN Location: Inuvik, Tuktoyaktuk and the Beaufort Sea

Other members of team: G. Isaac, Dr. R. Steward, K. Moore, E. Hudson

BASE - Beaufort and Arctic Storms Experiment

Researchers collected data by installing portable doppler radar at Inuvik and Tuktoyaktuk, using weather balloons, the National Research Council Convair 580 aircraft to fly tracks through storms and released dropsondes, and using existing weather observing sites and satellite pictures. The objectives of this study was to better understand and predict weather and the implications of small scale weather systems on the western Arctic climate.

114 Physical Sciences

Jacobs, John D.

Department of Geography
Memorial University of Newfoundland
St. John's, NF A1B 3X9

Reference #: 12 404 030

Region: BA Location: the Amadjuak Lake, and Penny and Barnes Ice Cap areas

Other members of team: A. Headley, D. McNichol

Climate Studies at Remote Sites in Baffin Island

Automatic climate stations have been operating at sites on Baffin Island since 1985. Data was collected from these instruments during annual visits to the NWT. At the same time, standard observations were made of other environmental conditions in the vicinity of these stations. During 1994, visits to Amadjuak Lake, the northwest part of the Barnes Ice Cap and the top of the Penny Ice Cap were made.

115 Physical Sciences

Jacoby, Gordon C.

Lamont-Doherty Geological Observatory
Columbia University
Route 9 W
Palisades, New York USA 10964

Reference #: 12 404 149

Region: IN Location: Horton River

Other members of team: Dr. G.C. Wiles, Dr. R.D. D'Arrigo

Derivation and Analysis of Climatic Information from Tree Rings

The researcher took 5mm diameter increment core samples from old-aged trees growing near the tree line. This sampling is not harmful to the trees. At two sites the researcher sampled about 10 trees. The samples were processed to produce ring-width and wood-density data for each annual ring. This data would then be statistically compared to meteorological data to make estimates of past climate.

116 Physical Sciences

Kelly, John D.

Geoscience and Engineering Centre
SRI International
333 Ravenwood Ave.
Menlo Park, CA USA 94025

Reference #: 12 404 489

Region: BA Location: Resolute Bay

Other members of team: L. Cogger, G. Sheperd, R. Tsunoda, R. Livingston

Early Polar Cap Observations

The researchers continued their long term study of the earth's atmosphere from the newly established scientific facility in Resolute Bay. Data was collected in order to understand the influence of the sun on the earth's atmosphere.

117 Physical Sciences

Kershaw, G.P.

Department of Geography
University of Alberta
Edmonton, AB T6G 2H4

Reference #: 12 404 116

Region: IN Location: the area of the NWT-Yukon border along the Canol Road

Other members of team: C. Horvath, K. Small, H. Klappstein, A. Meyer

Ecological and Geomorphological Investigations in the alpine tundra of the western Mackenzie Mountains

Since 1974, the permafrost landforms in this area have been studied. Investigations have included the collection of wind and soil temperatures, wind speed and precipitation levels. This information increased our knowledge about how permafrost affects the shaping of the land. In addition, information was collected on how vegetation responds to human activities as a result of the Canol Project.

118 Physical Sciences

Kershaw, G.P.

Department of Geography
University of Alberta
Edmonton, AB T6G 2H4

Reference #: 12 404 116

Region: IN Location: the Fort Norman area

Other members of team: C. Horvath, K. Small, H. Klappstein, A. Meyer

Studies of the Environmental Effects of Disturbances in the Subarctic

The research was planned to see what happens after the surface of the land was changed by clearing the trees and trenching the soil in 1985 and 1986, and the spilling of crude oil in 1988. Ways to fix or lessen these disturbances are being tested to see which are best. Many studies were done, including measurement of air and soil temperatures, wind speed, moisture, water movement, permafrost, snow, plants and small animals.

119 Physical Sciences

Koudys, Al

Department of Fisheries and Oceans
Canadian Hydrographic Service
Box 5050, 867 Lakeshore Road
Burlington, ON L7R 4A6

Reference #: 12 404 478

Region: KI Location: in the Dease Strait and Coronation Gulf

Other members of team: R. Gammon and 14 technical assistants/engineers

Arctic Hydrographic and Gravity Survey

In the second year of a 4-5 year project, the researchers continued to collect water depth and gravity measurements in the Dease Strait and Coronation Gulf. Helicopters landed at predetermined sites on the ice to collect the data. Another helicopter collected similar data using an airborne electromagnetic technique. The airborne technique involves towing a device (9 metres long) under the helicopter to obtain additional data.

120 Physical Sciences

Ledrew, Ellsworth

Earth Science Observations Laboratory, ISTS
Department of Geography
University of Waterloo
Waterloo, ON N2L 3G1

Reference #: 12 404 371

Region: BA Location: Barrow Strait, Lancaster Sound

Other members of team: D. Barber, R. DeAbreu, K. Misurak, T. Papakyriakou

A Seasonal Sea Ice Monitoring and Modelling Site

The primary objective of the research was to characterize the physical processes of the interaction between sea ice, the ocean and the atmosphere. Monitoring of this interaction was necessary to understand the impacts of carbon dioxide (CO₂) warming of Arctic regions. The researchers continued to collect data for this long-term study.

121 Physical Sciences

Lehn, W.H.

Electrical and Computer Engineering
University of Manitoba
Winnipeg, MB R3T 5V6

Reference #: 12 404 151

Region: BA,IN Location: Tuktoyaktuk and Resolute

Other members of team: T. Legal, photography team of Nexus

Polar Atmospheric Refraction

Mirages occur fairly frequently in the arctic. They distort image and landform shapes as well as our perception of distance. This study examined the underlying causes of mirages by collecting data using time lapse and video photography. This data was used to examine a theoretical model which attempts to explain the distortion properties of mirages.

122 Physical Sciences

Lewkowicz, Antoni G.

Department of Geography
University of Ottawa
Box 450 Station A
Ottawa, ON K1N 6N5

Reference #: 12 404 153

Region: BA Location: Fosheim Peninsula, Ellesmere Island

Other members of team: I. Cayer

Impact of Climatic Change on Earth Surface Processes, Fosheim Peninsula, Ellesmere Island

The aim of this ongoing research is to establish links between climate and the movements of soil. By collecting this type of data, it may be possible to determine the effect that climate changes may have on the movements of soil down slopes, into rivers and eventually into the sea. The project has been underway for several years because soil movements are mostly slow and therefore difficult to measure accurately.

123 Physical Sciences

Lusk, Barry M.

Institute of Ocean Sciences
Department of Fisheries and Oceans
Box 6000, 9860 W. Saanich Rd.
Sidney, BC V8L 4B2

Reference #: 12 404 484

Region: KI Location: the Victoria Straits, Queen Maude Gulf and Coronation Strait

Other members of team: Officers and boat crew (49 people) and survey staff (8 people)

Hydrographic Surveys: Canada's Western Arctic

Ships of many types and ships designed for many purposes navigate Canada's Southern Northwest Passage. Each of these ships poses potential danger to the passengers and crews aboard as well as to the environment. The Canadian Hydrographic Services is continuing to produce nautical charts to assist ships to travel safely. Potentially shallow passages were surveyed to ensure safe navigation corridors.

124 Physical Sciences

Mackay, J.R.

Department of Geography
University of British Columbia
Vancouver, BC V6T 1Z2

Reference #: 12 404 247

Region: IN Location: Garry and Richards Islands and near Tuktoyaktuk

Other members of team: N. Buckley, C. Diana

Permafrost Studies: Western Arctic Coast

This permafrost study has been part of a long term study initiated in 1951. The researcher collected data that will allow a better understanding of the growth of ice wedges, pingos and permafrost.

125 Physical Sciences

Marsh, Philip

National Hydrology Research Institute
11 Innovation Blvd.
Saskatoon, SK S7N 3H5

Reference #: 12 404 378

Region: IN Location: Trail Valley and Havikpak Creeks (WSC Station sites)

Other members of team: J. Pomeroy, B. Quinton, C. Onclin, B. Reid plus several university field students

Snow Accumulation, Melt, Runoff and Chemistry in High Latitude Permafrost Basins

As part of a long-term study, this research will examine the important role that snow plays in northern ecosystems. Snow accounts for a large portion of yearly precipitation. When it melts, snow is a significant source of fresh water for refilling lakes and ponds, and for plant growth. This study examined the role that snow plays in controlling streamflow and movement of solutes, nutrients and pollutants through the tundra, forest and delta ecosystems.

126 Physical Sciences

Melling, Humfrey

Ocean Physics Division
Institute of Ocean Sciences
P.O. Box 6000
Sidney, BC V8L 4B2

Reference #: 12 404 248

Region: IN Location: offshore the Beaufort Sea

Other members of team: P. Johnston, P. Gamble, B. Holland, D. Tuele

Ice Thickness Topography Study - Beaufort Sea

The ice measurements were made by untended instruments operating beneath the sea throughout the year. The instruments recovered in March 1994 were positioned in April 1993. The sonars were re-deployed at the same locations to continue observations for another year. In addition, a survey of water properties, by a probe lowered to 1500 m depth of the seafloor, was conducted at about 35 sites.

127 Physical Sciences

Miller, Gifford H.

Associate Professor
Centre for Geochronological Research
INSTAAR, University of Colorado
Boulder, CO USA 80309-0450

Reference #: 12 404 043

Region: BA Location: Cape Dyer, inner Frobisher Bay and across south Baffin Island

Other members of team: P. Sauer, J. Moore, L. Miller, W. Mode, W. Manley and 2-3 assistants

Late Quaternary Glacial and Climate History on Southern Baffin Island

The researchers obtained sediments from lakes near Cape Dyer to document past climatic conditions. Vegetation and lake water chemistry data was also collected in order to obtain information about the current environment: this data can be compared to historic data. Finally, the inner Frobisher Bay area was surveyed for data about past sea levels and glacial landforms. This research increased our knowledge about environmental/climate change in the area.

128 Physical Sciences

Moorman, Brian

Department of Earth Sciences
Carleton University
1125 Colonel By Drive
Ottawa, ON K1S 5B6

Reference #: 12 404 480

Region: BA Location: south Bylot Island

Other members of team: F.A. Michel, L.A. Miller

Geophysical and Geochemical Investigations of Massive Ground Ice

The researchers conducted 2 types of surveys: (1) radar surveys were conducted using a portable radar unit; and (2) small samples of ice from glaciers and moraines were collected in order to conduct analysis to determine the chemical make-up of the ice. This information was used to determine characteristics about the glaciers as well as help in our understanding of how the climate changed and how different types of ice have formed.

129 Physical Sciences

Narbonne, Guy

Department of Geological Sciences

Queen's University

Kingston, ON K7L 3N6

Reference #: 12 412 040

Region: BA Location: Borden Peninsula

Other members of team: N.P. James, A. Sherman, J. Harrington

Mesoproterozoic Reefs and Associated Strata, Borden Peninsula, Baffin Island

At each locality, the researchers measured the rock section with a tape and collected samples with a hammer. Samples collected were examined under a microscope, and using geochemical techniques at Queen's University. Research was concentrated on determining conditions under which these reefs (1200 million year old fossil reefs on the Borden Peninsula) grew and comparing it with the condition under which modern coral reefs grow.

130 Physical Sciences

Narbonne, Guy

Department of Geological Sciences

Queen's University

Kingston, ON K7L 3N6

Reference #: 12 412 040

Region: IN Location: Gayna River and Arctic Red River

Other members of team: N.P. James, E.C. Turner, S. Hoey

Palaeontology and Sedimentology of Late Proterozoic Reefs, Mackenzie Mountains, NWT

Field work involved detailed measurement and description of stratigraphic sections using a range pole and compass, also mapping, and selective sampling of reefs using a geological hammer. Follow-up work at Queen's University involved analysis of field data and examination of samples using a variety of laboratory techniques. These reefs are an ecological "missing link" between the two major reef types in earth history and were made entirely by bacteria.

131 Physical Sciences

Newitt, Lawrence R.

Geophysics Division

Geological Survey of Canada

1 Observatory Crescent

Ottawa, ON K1A 0Y3

Reference #: 12 404 498

Region: BA Location: the Ellef Rignes, King Christian & Lougheed Island area

Other members of team: one additional member

North Magnetic Pole Relocation

The researchers took measurements of the magnetic field at 10 sites using a magnetometer-theodolite. For each site, the strength and direction of the magnetic field was measured. This information will be used to re-determine the position of the north magnetic pole. This information is important for producing magnetic charts for Canada and providing information to the Geological Atlas of Canada.

132 Physical Sciences

Pollard, Wayne

Department of Geography
McGill University
805 Sherbrooke Street W
Montreal, PQ H3A 2K6

Reference #: 12 404 321

Region: BA Location: Eastern Axel Heiberg and Western Ellesmere Islands

Other members of team: Dr. T. Bell, Dr. A. Aitken, R. Shannon, S. Omellon

Holocene Sea Level History and Ground Ice Occurrence in the High Arctic

Fieldwork consisted of a combination of mapping surface materials and landforms, and where possible retrieving shells from raised marine deposit to determine the date of emergence and the temperature conditions of the oceans when the shell was formed. Observations of ice and icy sediments were also made. By collecting this data the researchers were able to see broad patterns in the landscape of climate and permafrost formation.

133 Physical Sciences

Schunke, Ekkehard

Geographisches Institute der Universitat
Goldschmidtstrasse 5
3400 Gottingen-Weende
Germany

Reference #: 12 404 189

Region: IN Location: the Richardson Mountains

Other members of team: O. Riess

Geomorphological and Hydrological Research on Valley Formation in Arctic and Subarctic Environments

The researchers continued their study, initiated in 1990, on the geological and hydrological processes which contribute to valley formation in the subarctic and arctic. Data was collected on various aspects of water runoff and sediment content. This data, along with long-term environmental data collected by Environment Canada, contributed to knowledge about valley formation.

134 Physical Sciences

Sharp, Martin

Department of Geography
University of Alberta
Edmonton, AB T6G 2H4

Reference #: 12 404 501

Region: BA Location: John Evans Glacier, Ellesmere Island

Other members of team: M. Skidmore, A. Arendt, J. Woodward

Dynamics and Hydrology of a High Arctic Glacier: John Evans Glacier, Ellesmere Island

Measurements of the glacier's surface was taken using ground surveys and radio echo sounding. In addition, data was collected on the amounts of snow accumulation and meltwater run-off as well as the chemistry of the snow, water and ice. This information provided us with a better understanding of glaciers in terms of their growth/shrinkage, contribution of water to the local environment and response to climate change.

135 Physical Sciences

Smith, Rod

Department of Geography
University of Alberta
Edmonton, AB T6G 2H4

Reference #: 12 404 464

Region: BA Location: Haden Plateau, Hoved Island

Other members of team: D. Burgess, A. Westwood

Testing for Pre-Holocene Lacustrine Sediments in the Canadian High Arctic

This study tested the hypothesis that pre-Holocene (older than 10,000 years) lake sedimentary records exist within modern lake basins found on Ellesmere Island. Recent research has not been able to penetrate beyond a layer of coarse sand and pebbles. Recent technological improvements in the coring apparatus should allow the full penetration of this material, as well as the hypothesized older lacustrine sediments below and would reveal a record of past conditions.

136 Physical Sciences

Smith, Roger F.

Badgers
Bashurst Copse, Itchingfield
Horsham, Sussex, UK
RH13 7nz,

Reference #: 12 404 495

Region: BA Location: Blue Mtns. on Ellesmere Island (north of Greely Fiord)

Other members of team: 13 individuals

Joint Services Expedition to the Blue Mountains, Ellesmere Island

The researchers conducted a variety of research activities at the study site. Projects included surveys of insects and plants, monitoring glacier movements, collecting data about the area's rocks and soils, assessing changes in the area's climate and environment (using fossils of microscopic marine organisms, chironomids, as indicators), and investigating radio-wave propagation.

137 Physical Sciences

Smol, John P.

Department of Biology
Queen's University
Kingston, ON K7L 3N6

Reference #: 12 402 460

Region: BA Location: Cornwallis, Bathurst, Prince of Wales and Somerset Islands

Other members of team: M. Douglas, K. Ruhland

Study of Bio-indicators of Environmental Change in Arctic Lakes

The researchers took samples of lake water and lake sediments from a variety of sites in the region. From these samples, information was collected about the water chemistry, microscopic organisms present in the lakes, and changes in the region's past environmental and climatic conditions.

138 Physical Sciences

Sofko, George J.

Institute of Space and Engineering Physics
University of Saskatchewan
Saskatoon, SK S7N 0W0

Reference #: 12 404 496

Region: FS,KE,IN Location: Yellowknife, Sachs Harbour, Rankin Inlet

Other members of team: J.A. Koehler, M. McKibben, D. Andre

High Latitude Studies of the Ionosphere E-region Using the Sapphire North Radar System

The Sapphire North Radar System uses 2 transmitters, at Sachs Harbour and Rankin Inlet, and a common receiver at Yellowknife. This system measures speeds of structures in the ionosphere (upper atmosphere) in order to study the transfer of energy from the solar wind to the earth. This energy transfer is most apparent during "magnetic storms" when there are displays of northern lights. The researchers will be collecting data for the next several years.

139 Physical Sciences

Solomon, Steven

Environmental Marine Geology
Bedford Institute of Oceanography
P.O. Box 1006
Dartmouth, NS B2Y 1B7

Reference #: 12 404 319

Region: IN Location: Richards Island, Mackenzie Delta Front

Other members of team: R. Murphy

The Coastal Impacts of Climatic Change

The Coastal Impacts program in the Beaufort Sea has two complementary objectives: to improve our understanding of coastal processes and to develop methods for prediction of coastal impacts of changing climate. This was met by using a combination of air photographic analysis, field surveys and numerical model development. Field work focused on the delta front processes and the Kugmallit Bay storm impacts.

140 Physical Sciences

Washburn, A.L.

Professor Emeritus
Quaternary Research Centre AK-60
University of Washington
Seattle, Washington USA 98195

Reference #: 12 404 169

Region: BA Location: Resolute Bay area

Other members of team: self

Multi-year Study of High Arctic Periglacial Processes and Related Quaternary History

The researcher continued the long-term investigation of how the landscape has changed since the glaciers left 10,000 years ago. In particular, this study examined the effects of frost and permafrost on the landscape. The researcher returned to sites visited in previous years in order to check earlier observations.

141 Physical Sciences

Wescott, E.M.

Geophysical Institute

University of Alaska

Fairbanks, Alaska USA 99775-0800

Reference #: 12 404 494

Region: FS Location: the Upper Air Station near Fort Smith

Other members of team: H.C.S. Nielsen

Shaped Change Injection of Field-aligned Barium and Calcium Plasma to Investigate the Physics of Mass-dependent Ion Acceleration

The researchers investigated how the aurora borealis is created. Beams of barium and calcium were to be sent up into the Earth's atmosphere (via a rocket launched from north of Fairbanks, Alaska). These beams, released at night into the atmosphere at an altitude of 500 km, should be visible from Fort Smith. A video camera, located near the Upper Air Station, would record the experiment.

142 Physical Sciences

Woo, Ming-ko

Department of Geography

McMaster University

1280 Main St. W.

Hamilton, ON L8S 4K1

Reference #: 12 404 113

Region: BA Location: Resolute and on the Fosheim Peninsula on Ellesmere Island

Other members of team: R. Xia, D. Yang and one assistant

Hydrological Modelling for a Permafrost Site and Arctic Snow Accumulation and Melt

This on-going study attempts to find out how permafrost affects the groundwater, streamflow and levels of water in wetlands. Measurements such as soil moisture, rainfall, ground and air temperatures, and water level were taken. This research would help to determine how climatic change affects permafrost and water bodies in the Arctic.

Social Sciences

143 Social Sciences

Adkins, Gary

Box 2246

Yellowknife, NT X1A 2P7

Reference #: 12 410 470

Region: FS Location: Yellowknife

Other members of team: self

NWT Teen Perspectives on Social Issues

The Territorial Government has stated that it would like to see zero tolerance towards violence in the family and that there should be more input from youth in regards to their feelings on what affects them. Teens in Sir John Franklin and St. Patrick High Schools were asked to participate in a questionnaire on abuse. This information will be used to assess the issues that teens face. This study is the researcher's social work practicum in Arctic College.

144 Social Sciences

Bone, Robert M.

Department of Geography

University of Saskatchewan

Saskatoon, SK S7N 0W0

Reference #: 12 410 450

Region: IN Location: Inuvik

Other members of team: J. Saku, P. McPherson, B. Moffat

The Impact of the Inuvialuit Final Agreement (IFA) on the Inuvialuit

The Inuvialuit Final Agreement has brought much change to the Western Arctic. This Agreement has involved the transfer of capital, land and political power to the Inuvialuit. This study hopes to determine the effect of the IFA on the Inuvialuit. The researchers collected data from public sources (Statistics Canada censuses, Labour Force surveys) as well as reports provided by the Inuvialuit in order to compare conditions of 1981 with those of 1991.

145 Social Sciences

Bone, Robert M.

Department of Geography

University of Saskatchewan

Saskatchewan, SK S7N 0W0

Reference #: 12 410 450

Region: IN,FS Location: the Mackenzie Basin

Other members of team: P. McPherson, M. Joshi, J. Saku

Effects of Global Warming on Settlements and Non-renewable Resource Development in the Mackenzie Basin to the Year 2050

Should global warming occur, the environment and human landscape may be altered. The researchers used public information (Statistics Canada censuses and public documents) to collect data for this study. They used this data to examine the possible impacts that global warming will have on the Mackenzie region. The results of this study may assist planning for future development.

146 Social Sciences

Dorais, Louis-Jacques

Departement d'anthropologie
University Laval
Quebec, G1K 7P4

Reference #: 12 410 471

Region: BA Location: Iqaluit and Lake Harbour

Other members of team: S. Sammons, S. Cloutier, and one Arctic College student or graduate

Discourse Practices in the Baffin Region

The research aims at understanding which language (s) are spoken by the Iqaluit and Lake Harbour residents in different circumstances of life: at school, at work, within their family, at the store, etc. The researcher also wanted to understand how the use of a particular language when speaking to a particular person reflects cultural viewpoint. Finally, the researcher wanted to understand how school children use their first and second language (s).

147 Social Sciences

Douglas, Anne

Department of Admin. and Policy Studies in Education
McGill University
3724 McTavish Street
Montreal, PQ H3A 1Y2

Reference #: 12 410 354

Region: BA Location: Arctic Bay and Iqaluit

Other members of team: self

Shaping the Institution of Formal Schooling to the Needs of an Inuit Community: A Case Study of Arctic Bay

The researcher revisited Arctic Bay to continue the study which was initiated in 1991. The researcher examined how the people of the community interact with the formal school system in order to assess different approaches to schooling and different interpretations of concepts basic to schooling. Interviews were conducted with the Community Education Council and members of the community.

148 Social Sciences

Elliot, Nancy

23 Fraser Street
Port Hope, ON L1A 1Z9

Reference #: 12 410 443

Region: BA Location: Pond Inlet

Other members of team: self

Origins, Development and Future of World Heritage in Canada

The researcher examined the potential impact that 'international' status may have on the proposed North Baffin Island National Park. The area has been identified as one of the most productive arctic ecosystems in the circumpolar north. With the emergence of a new national park and Nunavut, opportunity exists to examine the potential impact of a 'World Heritage Site' designation on the park.

149 Social Sciences

Everest, Carmen

18-247 Erb St. W.

Waterloo, ON N2L 1V8

Reference #: 12 410 477

Region: BA Location: Iqaluit, Pangnirtung, Pond Inlet, Igloolik

Other members of team: Self

Renewable Resource Policies in Nunavut: Relevancy Under a Changing Climate

The researcher conducted interviews in several communities. The intent of these interviews was to determine current and predicted socio-economic consequences of climate-imposed variations in wildlife habitat and to discuss with policy makers the necessary steps required to ensure that negative socio-economic consequences be minimized through effective and flexible wildlife policies in Nunavut.

150 Social Sciences

Goehring, Brian

Geography Department

217-1984 West Mall

University of British Columbia

Vancouver, British Columbia V6T 1Z2

Reference #: 12 410 235

Region: KI Location: Coppermine, Cambridge Bay, Taloyoak and Pelly Bay

Other members of team: self

Inuit Employment Mobility Study, Kitikmeot Region, NWT

The researcher continued the study on the different types of economy present in Kitikmeot communities: the traditional economy derived from hunting, fishing and trapping, and the wage economy. This study examined the sources of cash income, particularly those derived from seasonal, part-time and rotational employment. The study's results may identify trends in wage-labour employment and a strategy for planning immediate / near future economic opportunities.

151 Social Sciences

Gouttenoire, Veronique

GETIC

University Laval,

Cite Universitaire

Sainte-Foy, PQ G1K 7P4

Reference #: 12 410 473

Region: BA Location: Iqaluit

Other members of team: Self

Kinship and Names in Inuit Culture: Likeness Between Peoples of the Same Family

The researcher collected data on the relationship between the names and physical likeness. The researcher interviewed elders and young people about their names, names of their relatives, and if physical resemblances links one of their family members to another. This follows a theory about the relationship between names and physical likeness in members of the same family group.

152 Social Sciences

Gray, Dyan

Box 375

Manotick, ON K4M 1A4

Reference #: 12 410 480

Region: FS Location: Fort Simpson, Nahanni River

Other members of team: P. Wiason

An Application and Evaluation of Parks Canada's Visitor Risk Assessment Model in a Northern Canadian National Park - the Case of Nahanni Park

Field work was conducted in two phases: one phase involved consulting existing public safety incident reports at the Parks Canada office in Fort Simpson and collecting non personal data. Phase two involved travelling the Nahanni River corridor by canoe and recording observed data pertaining to natural, cultural and visitor related hazards.

153 Social Sciences

Hagg, Richard

Box 232

Lakefield, ON K0L 2H0

Reference #: 12 410 479

Region: IN Location: Sahtu Region

Other members of team: Self

Management of Northern Rivers For Recreation: An Assessment of Carrying Capacity and Management Strategies For the Mountain and Keele River Systems in the Sahtu Region, NWT

The researcher administered a questionnaire to river users. Interviews were conducted to survey community and commercial interests. Present government policies for river management were researched. The researcher also collected information from the Nahanni National Park and conducted interviews with Canadian Parks Service Administration in order assess the carrying capacity and management strategies for these rivers.

154 Social Sciences

Jackson, Mame

Department of Art History

Carlton University

1125 Colonel By Drive

Ottawa, ON K1S 5B6

Reference #: 12 410 474

Region: BA Location: Igloodik

Other members of team: K. Read, V. Spain

Preliminary Planning for Arctic Field Course

The researchers planned to speak with hamlet leaders and others about the possibility of working together to organize a university-level course for about 20 students on Inuit culture and art which would be held in Igloodik at a mutually-agreeable time in the next year or two. The course would be jointly sponsored by Carleton University and DuPaul University.

155 Social Sciences

Johns, Arlene E.

Box 431

Hay River, NT X0E 0R0

Reference #: 12 410 372

Region: FS Location: Diamond Jenness School in Hay River

Other members of team: self

A Case Study of Grade 12 Native Students in a Northwest Territories High School

The researcher continued to examine the factors that contribute to the successful completion of high school by Native students. Interviews of students, parents and teachers were conducted. The information collected in this study may help to determine how the existing school system can encourage students to complete their high school education.

156 Social Sciences

Keith, Robbie

Environment and Resource Studies

University of Waterloo

200 University Avenue West

Waterloo, ON N2L 3G1

Reference #: 12 404 514

Region: IN Location: Inuvik

Other members of team: G. Wagner

Implementing the Environmental Assessment Provisions of Comprehensive Aboriginal Land Claim Settlements

The research consisted of the examination of files, minutes and other public records of the Environmental Impact Review Board formed under the Inuvialuit Final Agreement. These records are kept in Inuvik, NWT. The objective of this study is to identify principals and organizational design criteria for the successful implementation of the environmental assessment provisions of comprehensive land claim settlements.

157 Social Sciences

Kofinas, Gary

Room 436 E

2206 East Mall

University of British Columbia

Vancouver, BC V6T 1Z3

Reference #: 12 410 458

Region: IN Location: Fort McPherson and Aklavik

Other members of team: self

Community Development in Porcupine Caribou Co-management

The aim of this project was to analyse the participation of community members in decision-making for the purposes of co-managing the Porcupine caribou herd. The study examined the costs and benefits of community involvement, the role of information and communication in decision-making, and the effectiveness of this management system in meeting community needs. The study included the communities of Old Crow, Aklavik and Fort McPherson.

158 Social Sciences

Kulchyski, Peter

Department of Native Studies

Trent University

Peterborough, ON K9H 1B9

Reference #: 12 410 427

Region: FS,IN,BA Location: Fort Simpson, Fort Good Hope and Pangnirtung

Other members of team: self

Aboriginal Self-government in Canada's NWT

In this last year, of a 3-year project, the researcher visited Pangnirtung (in May), Ft. Simpson (in June) and Ft. Good Hope (in July) to conduct interviews with residents about community values and perspectives on self-government. Information was collected on the structure, nature and historical development of meetings and territorial assemblies in order to evaluate their role in current and future governments of the NWT.

159 Social Sciences

Lescanec, Heidi

3561 Woodward Ave

Windsor, ON N8W 5G5

Reference #: 12 410 459

Region: FS Location: Hay River

Other members of team: self

The Dene Cultural Institute

The researcher assisted with a variety of Institute activities, including proposal writing and data collection and analysis, in order to better understand how this agency documents traditional environments knowledge. In addition, the researcher was interested in knowing how traditional knowledge was used toward developing policies for sustainable development.

160 Social Sciences

Longworth, Bob

Arctic Ridge Consulting

Box 508

Iqaluit, NT X0A 0H0

Reference #: 12 410 432

Region: BA Location: Iqaluit and Pangnirtung

Other members of team: None

Impacts and Benefits of Baffin Parks

The researcher conducted a literature search and reviewed information collected from Parks Canada Office in Iqaluit and Pangnirtung. Other interested agencies contributed information and added input to the bibliography. Information identified by the bibliography would be used in producing video modules. The research would result in a socio-economic bibliography and videos focusing on Auyurttuq and Ellesmere Is. National Park Reserves.

161 Social Sciences

Manga, Louise

1080 Castlehill Crescent
Ottawa, ON K2C 2A8

Reference #: 12 410 414

Region: BA Location: Igloolik

Other members of team: One translator

Acquisition of Specificity in Inuktitut; Phrase Structure and Functional Categories in Inuktitut

To finish the study on the acquisition of specificity, the researcher conducted language games with children (ages 2.5, 3.5, 5, 8) with the help of a translator. Secondly, the researcher analysed structure and movement in Inuktitut by obtaining grammaticality judgements from native Inuktitut by obtaining grammaticality judgements from native Inuktitut speakers. This would be primarily for simple sentences and sentences with embedded sentential complements.

162 Social Sciences

McCann, Doris

Box 13
Yellowknife, NT X1A 2N1

Reference #: 12 410 481

Region: KE,BA Location: the Keewatin and Baffin Regions

Other members of team: Self

Factors that Motivate Inuit Tradesmen to Complete Trade Apprenticeships

Four Inuit journeymen participated in the research. An in depth interview was conducted with each participant. It was taped and transcribed. Thematic analysis of transcripts followed. Supplementary interviews were held to discuss specific details of the first interview. The final result of this research would be a descriptive profile of the factors that motivate Inuit tradesmen to learn skills and to complete apprenticeship programs.

163 Social Sciences

McCreadie, Mary

Box 1507
Yellowknife, NT X1A 2P2

Reference #: 12 410 454

Region: IN,BA,FS,KE Location: Inuvik, Iqaluit, Yellowknife, Pond In., Rankin In., & Rae-Edzo

Other members of team: E. Heineman

Adolescent Girls in the NWT: Academic Preparation and Career Planning

Using surveys and discussion groups, the researchers consulted with female students on their education and career planning. Focus was on math and science education and careers. Math and science teachers and school counsellors were surveyed and classroom activities were monitored. Data was also collected on enrolment statistics for male and female students in math and science courses.

164 Social Sciences

McElroy, Ann P.

Department of Anthropology
State University of New York at Buffalo
Buffalo, NY USA 14261

Reference #: 12 410 405

Region: BA Location: Iqaluit, Pangnirtung

Other members of team: Self

Ethnographic Study of the History and Psychology Impact of Modernization on Baffin Island Inuit.

The research involved 2-3 weeks of library and museum study in Iqaluit. The researcher reviewed books, articles and reports on the history of Baffin Island and the Arctic in order to help her teaching at SUNY Buffalo and to write a history of Baffin Island. During a one-week visit to Pangnirtung the researcher visited families and took notes on changes since 1974 when the researcher last studied there.

165 Social Sciences

McNeal, Joanne

227 Green College Scholar's Res.
6201 Cecil Green Park Road
Vancouver, BC V6T 1Z1

Reference #: 12 410 226

Region: IN Location: Inuvik

Other members of team: Dr. Rita Irwin

Western Arctic Women Artists

Phase One and Two were completed in 1992 and 1993. Phase 3 (completion) reviewed previous interviews and additional interviews were conducted. Current interviews were part of an international project headed by Dr. Rita Irwin of UBC.

166 Social Sciences

Nadeau, Dorothy Rae

c/o CNIB - Alberta - NWT Div.
12010 Jasper Ave.
Edmonton, AB T6K 0P3

Reference #: 12 410 483

Region: FS Location: Hay River, Kakisa Lake, Ft. Providence

Other members of team: J. Graham, S. Chicot, B. Dumas, B. Landry, and one other member from the West Point First Nation

Needs Assessment to Improve Service Delivery to Blind and Visually Impaired Aboriginal People: A Pilot Project.

The research team collected data for this study through questionnaires and review of related literature and documents. Questionnaires were completed by community members representatives: Band Council designees, (Band members, and/or the Hay River Metis Association) who experience visual problems. The communities involved include: Hay River - Town and Reserve, Kakisa Lake, and Fort Providence.

167 Social Sciences

Osted, Peter F.

307-4036 Quadra St.

Victoria, BC V8X 4L6

Reference #: 12 410 453

Region: IN,FS Location: the Sahtu, Deh Cho, North Slave and South Slave regions

Other members of team: self

The Function of the Community Education Council as a Conduit of Information Between the Community and the Divisional Board of Education

The researcher asked Community Education Councils (CEC's) of communities served by the Sahtu, Deh Cho, South Slave and Dogrib Divisional Board of Education to complete questionnaires. Data collected included: where items of concern come from, what the CEC does with these items, how these issues are graded in terms of importance, and how often these issues arise. Results of the study may assist the CEC's and Divisional Boards in their work.

168 Social Sciences

Rodon, Thierry

GRIG, Faculte des Sciences Sociales

Department de Science politique

Cite Universitaire

Quebec, PQ G1K 7P4

Reference #: 12 410 394

Region: BA Location: Iqaluit

Other members of team: Self

Co-management and Political Autonomy of Aboriginal Peoples of Canada

The researcher conducted interviews with the members of the Nunavut Wildlife Board and the former Nunavut Wildlife Management Advisory Board. This project focused on the co-management structures established by the Inuvialuit Final Agreement, the James Bay and Northern Quebec Agreement and the Nunavut Final Agreement. The researcher evaluated the influence that institutions of co-management have on the actual decision making process.

169 Social Sciences

Rodriguez, Marisol

1038 Pratt

Outremont, PQ H2V 2V2

Reference #: 12 410 404

Region: IN Location: Aklavik, Tuktoyaktuk, Sachs Harbour and Inuvik

Other members of team: self

Process of Musical Transculturation Among Inuvialuit of the Mackenzie Delta

The researcher visited the Mad Trapper Jamboree at Aklavik, the Beluga Jamboree at Tuktoyaktuk, and the White Fox Jamboree at Sachs Harbour in order to conduct interviews with musicians and other jamboree participants. This information was added to the information gathered last summer at the Inuvik Music Festival. This research examines the social significance of music in the Inuvialuit.

170 Social Sciences

Rose, Martha

862 Carroll Street
Brooklyn, NY USA 11215

Reference #: 12 410 468

Region: BA Location: Iqaluit and Lake Harbour

Other members of team: self

The Relationship and Role of Economic Development Activities in the Baffin Region (NWT) to Third World Initiatives

The researcher visited Iqaluit and Lake Harbour to conduct personal interviews and discussions with economic development professionals, participate in 'think tank' sessions, and observe systems and procedures in the Department of Economic Development and Tourism's office and staff meetings. This data, along with a review of existing literature, was used to examine similarities between development in the Baffin region and Third World Regions.

171 Social Sciences

Rowley, Susan

6660 Forest Gen Rd.
Pittsburgh, PA 15217

Reference #: 12 410 484

Region: BA Location: Igloolik

Other members of team: J. Bennett, R. Innuksuk

The History of Igloolik

The researcher was contracted by Parks Canada to write a history of Nunavut for the Historic Sites and Monuments Board of Canada. This study focused on two areas: 1. Features of the Inuit culture common throughout Nunavut and, 2. the different regional groups within Nunavut. Through interviews and consultation with the Igloolik Elders' Society, a history of Igloolik would be written. Drafts of this project would be submitted to the society for their approval.

172 Social Sciences

Saladin d'Anglure, Bernard

Department of Anthropology
Laval University
Quebec City, PQ G1K 7P4

Reference #: 12 410 012

Region: BA Location: Igloolik

Other members of team: Self

Inuit Political and Religious Leaders in the Traditional and Contemporary Worlds

The researcher established the importance religion has in traditional Inuit leadership. Past interviews with Igloolik Elders were transcribed, translated and completed.

173 Social Sciences

Seddon, Laura

Science Institute of the NWT
Box 1617
Yellowknife, NT X1A 2P2

Reference #: 12 410 455

Region: NWT Location: the NWT

Other members of team: self

Survey of NWT Research Activities Conducted in 1993

The researcher conducted a survey of all NWT researchers who received a research permit or licence under the Scientists Act, the Wildlife Act or the NWT Archaeological Sited Regulations in 1993. This survey collected data on the nature of research activities, and the economic and educational opportunities provided to NWT residents as a result of these activities.

174 Social Sciences

Sprecher, Brent

Faculty of Environmental Design
2500 University Drive NW
Calgary, AB T2N 1N4

Reference #: 12 404 499

Region: FS Location: Yellowknife

Other members of team: self

An Evaluation of Water Management Studies and their Application to Policy Development in the Mackenzie Delta

The researchers visited Yellowknife to collect information on northern water management and climatic change. Interviews were conducted with interested researchers. In addition, the researcher attended the Mackenzie Basin Impact Study (MBIS) annual meeting to discuss the administration and structure of this large research program with MBIS members. This study examined the role that such studies play in contributing to policy development or change.

175 Social Science

Standefer, Roma

190 Camelia Ave
Ottawa, ON K1K 2X8

Reference #: 12 410 416

Region: BA Location: Lake Harbour

Other members of team: M. Akovak

The Impact of Television on Northern Native Communities

The researcher examined the impact of television on the community of Lake Harbour. Information was collected through the use of interviews with selected people, including elders, adults, and youth. Discussions were held with school teachers, social and health workers, Hamlet Council members and the RCMP. The research was done to assess ways in which the CRTC can provide better television programming to a northern community.

176 Social Sciences

Tuchak, Tamara

125 Home Economics Building
University of Alberta
Edmonton, AB T6G 2M8

Reference #: 12 410 457

Region: KE Location: Coral Harbour

Other members of team: J. Oakes

Inuit Women Entrepreneurs: Building Sustainable Small Business

This research was designed to meet the stated needs of Inuit women entrepreneurs in the community of Coral Harbour. Data was collected through interviews, group discussion and participant observation. The purpose of this study was to explore the business decision-making process of the participants. The study would develop a database in order to provide Inuit women and policy makers with information to assist in cultural and economic growth.

177 Social Sciences

Wenzel, George W.

Department of Geography
805 Sherbrook St. West
McGill University
Montreal, PQ H3A 2K6

Reference #: 12 410 106

Region: BA Location: Clyde River

Other members of team: I. Qillaq, E. Loring, S. Cundill, S. den Ouden, plus 2 more assistants from Clyde River

Inuit Subsistence in the 1990's: Harvesting, Land Use and Society at Clyde River

The researchers were interested in understanding how subsistence hunting contributes to Inuit society in Clyde River. Data was collected from selected households over the next 3 years on harvesting activities and land use. This information was used to understand how subsistence and wage economy activities have developed into a mixed economy, and to determine future economic trends based on employment interests of Inuit youth.

178 Social Sciences

Woodman, David

27 Eaton Ave
Victoria, BC V8E 5C9

Reference #: 12 410 482

Region: KI Location: the Gjoa Haven and Cambridge Bay areas

Other members of team: D. A. Holland, G.D. Hobson, W. Kowal and 2 Assistants

Project Supunger

The research team investigated stories told to Charles Francis Hall in 1879 about the Franklin expedition. Supunger told Hall about a vault sealed with "all look like stone".

179 Social Sciences

Woodward, Shalleen

Financial Management Board Secretariat

Government of the NWT

Box 1320

Yellowknife, NT X1A 2L9

Reference #: 12 410 456

Region: NWT Location: throughout the NWT

Other members of team: L. Little, B. Stephen, D. Mathisen, S. Auchterlome

NWT Community Organization Wage and Benefit Survey

A wage and benefits survey was conducted for 200 NWT community organizations which currently receive funding from the GNWT. The data was collected through personal interviews of employers and, in some cases, through telephone interviews using a structured questionnaire. Data collected by Lutra Associates Ltd. was handed over to the Financial Management Board Secretariat (GNWT) for analysis and write-up. Results would be made public.

Traditional Knowledge

180 Traditional Knowledge

Allen, Wayne E.

Department of Anthropology

University of California

Santa Barbara, CA USA 93106

Reference #: 12 410 410

Region: IN Location: Fort Good Hope

Other members of team: C. Allen

Dene Subsistence Practices in the Canadian Subarctic: Long-term Sustainability or Short-Term Exploitation?

The researcher continued to conduct interviews with the elders and community members of Fort Good Hope in order to collect data to test assumptions about the long-term sustainability of existing Dene harvesting practices. Data included resource distribution, land tenure and harvest patterns, genealogies and traditional knowledge. The researcher continued to work closely with the community on this project.

181 Traditional Knowledge

Andrews, Tom

Prince of Wales Northern Heritage Centre

Department of Education, Culture and Employment

GNWT, P.O. Box 1320

Yellowknife, NT X1A 2L9

Reference #: 12 410 486

Region: IN Location: Tsiigehtchic

Other members of team: A. Andre, N. Andre, I. Kritsch

Martin Zheh Ethnoarchaeology Project

The researcher, as part of the archaeology program of the Gwich'in Social and Cultural Institute, interviewed elders about the upper Arctic Red River. Information regarding traditional place names, hunting, fishing and trapping areas, camping spots, location of graves and sacred sites and major trails were discussed and recorded. This information will help determine where the researcher will look for archaeological sites on the upper Arctic Red River.

182 Traditional Knowledge

Bill, Lea

Northern River Basin Study
690, Standard Life Centre
10405 - Jasper Avenue
Edmonton, AB T5J 3N4

Reference #: 12 410 472

Region: FS Location: Fort Smith and Fort Resolution

Other members of team: L. Flett, T. Unka, E. Beaver, L. Mercredi, S. Martin, G. McDonald, V. Courtrelli, L. St. Arnult, M. Hamilin, D. Labucon, D. Shupac

Northern River Basins Study Traditional Knowledge Documentation Project

The primary focus of this study was on the older population (65 years and older) of Dene and Metis people in these communities). Data on traditional knowledge was collected by interviews, survey questionnaire, and audio and video taping. Information gathered was used to document the history of traditional ecological knowledge and to document the value of traditional ecological knowledge in scientific research and in predictions of environmental changes (natural and industrial).

183 Traditional Knowledge

Cockcroft, Toby R.G.

143 Oxford Street East
Apartment 5
London, ON N6A 1T4

Reference #: 12 410 464

Region: BA Location: Iqaluit

Other members of team: self

Native Exogenesis of Contemporary and Traditional Inuit Folklore and Mythology

The researcher collected information on Inuit folklore and mythology from Iqaluit residents. This information was used to determine how interpersonal relationships and society are represented in folklore and mythology. The study resulted in a comprehensive collection of local Inuit stories which will be provided to the community.

184 Traditional Knowledge

Fajber, Elizabeth

5290 de Lorimier
Montreal, PQ H2H 2C2

Reference #: 12 404 475

Region: FS Location: Fort Simpson

Other members of team: Self

Traditional Healing in Fort Simpson

The researcher worked with the Liidli Koe First Nation to investigate the roles of traditional healing and the Western health care in the health and well-being of Fort Simpson residents. This included participation with the council on a project investigating culturally appropriate health care and key informant interviews within the community.

185 Traditional Knowledge

Fleming, Brian

General Delivery

Municipality of Sanikiluaq

Sanikiluaq, NT X0A 0W0

Reference #: 12 410 476

Region: BA Location: the Belcher Islands

Other members of team: L. Arragutainna

Traditional Knowledge Study of the Beluga Whale in Belcher Islands

The HTA has appointed a steering committee to coordinate the project to gather and describe community knowledge about the distribution, movement and life history of beluga whales in the Belcher Islands. The committee worked with the other harvesters in the community to facilitate a series of workshops to discuss and examine certain aspects about beluga whales.

186 Traditional Knowledge

Freeman, Milton M.R.

Canadian Circumpolar Institute

University of Alberta

G213 Biological Sciences Building

Edmonton, AB T6G 2E9

Reference #: 12 402 507

Region: IN Location: Tuktoyaktuk

Other members of team: Dr. M. Stevenson; locally recruited field workers

The Broad Whitefish Traditional Ecological Knowledge Study

The research team carried out interviews with the Inuvialuit that are knowledgeable about broad whitefish and its fishery in the local waters. Data to be obtained included information on the traditional fishery, changes to this fishery, knowledge about breeding and feeding habits, migrations, parasites and diseases, and effects of the local environmental changes on whitefish.

187 Traditional Knowledge

Gombay, Nicole

Department of Environment and Resource Studies

University of Waterloo

Waterloo, ON N2L 3G1

Reference #: 12 410 467

Region: BA Location: Lake Harbour

Other members of team: self

Collection of Traditional Knowledge in the Context of Nunavut

Traditional knowledge includes ecological information that is a profound body of information which is unique to its holders. To various governing bodies established under Nunavut, this knowledge could be both a source of information and a means for Inuit expression and self-determination. The researchers examined key features of this knowledge to identify issues of data ownership/control/access as well as institutional means to collect and use the data.

188 Traditional Knowledge

Hart, Elisa

Prince of Wales Northern Heritage Centre
Department of Education, Culture and Employment
GNWT Box 1320
Yellowknife, NT X1A 2L9

Reference #: 12 410 363

Region: IN Location: Tuktoyaktuk

Other members of team: N. Felix

Tuktoyaktuk Traditional Knowledge Project

In this ongoing project to determine the location and nature of heritage sites, the researcher has interviewed 46 elders and 304 sites have been identified. In 1994, the researcher verified the information provided with the elders. Verification of information included: the spelling of traditional place names and traditional words, information on traditionally used places, identifying people in archival photos, and an oral history on reindeer herding.

189 Traditional Knowledge

Henderson, Lyle

1600 Liverpool Court
Ottawa, ON K1A 0M5

Reference #: 12 410 463

Region: KE Location: Arviaq (south of Arviat) and the Maguse River and Lake

Other members of team: D. Keith, L. Suluk, youth trainees from Arviat

Arviaq and Maguse River Mapping and Oral History Project

The researcher worked with Luke Suluk, a recognized expert regarding archaeology and traditional Padlimiut culture. Mr. Suluk identified different archaeological features and described their significance. This research supported a presentation to the Historic Sites and Monuments Board of Canada to determine if Arviaq should be a National Historic Site.

190 Traditional Knowledge

Jaunzems, Leah T.

406-1223 Richmond Street
London, ON N6A 3L8

Reference #: 12 410 465

Region: BA Location: Iqaluit

Other members of team: self

Self-conceptions of Elderly Inuit

The researcher interviewed elderly Inuit to determine their views on their quality of life (both past and current). Information was collected on the elder's views on what it is (and was) like to be an elder in Inuit society, and the types of support services (formal and informal) as well as facilities available to them.

191 Traditional Knowledge

Keillor, Elaine

Department of Music
Carleton University
1125 Colonel By Drive
Ottawa, ON K1S 5B6

Reference #: 12 410 219

Region: FS Location: Yellowknife, Rae Edzo, Detah

Other members of team: Self

Dogrib Music-Making Documentation and Its Relationship to Dene Musical Expressions

The documentation and recording of the stories and songs of the Dene provide a valuable resource for the Dene educational system and culture. Interviews with drummers/singers were conducted to further the researcher's understanding of musical activities of these communities. The researcher analysed the recordings with transliterations and translations from the researcher's 1991 study.

192 Traditional Knowledge

King, Jonathan

Museum of Mankind
Burlington Gardens
London, UK W1X 2EX

Reference #: 12 410 461

Region: BA Location: Igloolik

Other members of team: self

Native Clothing of the North American Arctic: Igloolik Clothing

The researcher conducted interviews with Igloolik people about the significance of traditional clothing to the Inuit. Information was also collected about the use of contemporary versus traditional clothing, and how traditional skills and ideas have been transferred to the tailoring of cloths using contemporary materials. Information was used to assist in developing an exhibition which compares Alaskan and Canadian traditional clothing.

193 Traditional Knowledge

Kritsch, Ingrid D.

303, 4905-54 Avenue
Yellowknife, NT X1A 1H6

Reference #: 12 410 311

Region: IN Location: Inuvik, Aklavik, Arctic Red River & Campbell Lake Park

Other members of team: R. Arey, W. Greenland (tentative)

Campbell Lake Park Oral History Project

The researcher conducted this study under the direction of the Gwich'in Tribal Council. The Council is interested in taking a role in gathering interpretive information for the development of the Campbell Lake Park. The purpose of this project was to provide the Gwich'in perspective of life in the Campbell Lake Park area. Information on place names, trails, camp sites, resources and stories were recorded from interviews with elders and community residents.

194 Traditional Knowledge

Kritsch, Ingrid

Gwich'in Social and Cultural Institute
General Delivery
Arctic Red River, NT X0E 0B0

Reference #: 12 410 403

Region: IN Location: the Tsiigehtchic area

Other members of team: A. Andre, 10 Gwich'in Elders, 4 Summer Students, B. Kreps, 2 River Guides

Gwichya Gwich'in Place Names Project (Phase 3)

Phase 3 of the Gwichya Gwich'in Place Names Project sought to complete the data collection portion of the study by recording the place names for the remaining area, the Mackenzie Delta. As in previous years, the traditional trails, resource harvesting locations, sacred sites, campsites, and historic cabin sites would also be documented.

195 Traditional Knowledge

Legat, Allice

4706 Anderson Thomson Blvd.
Yellowknife, NT X1A 1J5

Reference #: 12 410 343

Region: FS Location: Rae Lakes

Other members of team: J. Ryan, S. Zoe, R. Blackduck, Community Advisory Committee

Rae Lakes Traditional Governance Project

The researcher investigated traditional methods of governance at the request of the Dene Cultural Institute. Dogrib rules and laws, traditional government processes, traditional decision making processes and traditional law enforcement was recorded. The researcher also assessed which traditional practices people wish to revitalize or maintain in order to develop a model for self-government.

196 Traditional Knowledge

Peplinski, Lynn

Iqaluit Research Centre
Box 1198
Iqaluit, NT X0A 0H0

Reference #: 12 410 485

Region: BA Location: Southern Baffin Island

Other members of team: A. Ootoowak, H. Ootoowak, I. Tigullaraq, N. Kiguktak

South Baffin Place Names Project

Students at Inukshuk High School, as part of their Inuktitut curriculum work, conducted interviews with local elders at the Iqaluit Research Centre. Interviews were transcribed into syllabic script by the students under the supervision of their teacher Shuvinai Mike. Interviews were subsequently translated into English. Information would be publicly accessible and stored at the Iqaluit Research Centre.

197 Traditional Knowledge

Ris, Mats

Department of Anthropology
University of Alberta
13-15 HM Tory Bldg.
Edmonton, AB T6G 2H4

Reference #: 12 410 478

Region: IN Location: Inuvik

Other members of team: Self

The Role of Traditional Knowledge in Inuvialuit Marine Mammal Management

The purpose of this study is to understand how Inuvialuit traditional knowledge and hunting of marine mammals has influenced the way local and regional management strategies are built up. Secondly, the researcher made a comparison with other forms of marine mammal harvesting in circumpolar regions. Such a comparison will make it easier to understand the nature of subsistence hunting in the north.

198 Traditional Knowledge

Rodin, Rachel

225 Olivier
Apartment 205
Westmount, PQ H3Z 2C7

Reference #: 12 410 466

Region: BA Location: Repulse Bay

Other members of team: L. Muller-Wille

Inuit Ecological Knowledge as Expressed Through Place-names in the Arctic

Sites were selected in the Repulse Bay area whose Inuit place names reflect the biological, physical or cultural / historical significance of the locations. Through visits to these sites and consultation with community members, the researcher determined the relationship between place names and environmental conditions. Sites were selected using the Keewatin Nuna-top database of place names.

199 Traditional Knowledge

Searles, Ned

Department of Anthropology
University of Washington
Seattle, WA USA 98195

Reference #: 12 410 452

Region: BA Location: Iqaluit

Other members of team: M. Johnson

History of the Outpost Camps of Frobisher Bay

The researcher collected information about the history of outpost camps in the Frobisher Bay area. Individuals who currently use these outpost camps were interviewed in order to document and compare their experiences living in camps with living in Iqaluit. Benefits of 'outpost camp' life will be evaluated. Information collected was used for a doctoral (Ph. D.) thesis in socio-cultural anthropology at the University of Washington.

200 Traditional Knowledge

Takeno, Atsushi

Nexus Incorporated
4-12-3 Minami Aoyama
Tokyo, Japan

Reference #: 12 410 469

Region: BA,IN Location: Tuktoyaktuk and Resolute

Other members of team: E. Licht, S. Tokito and camera field crew

Mirages: The Secrets of Ancient Ruins

The research consisted of video-taping mirages in the arctic. In addition, interviews with community residents were performed in order to examine the ways in which indigenous people have regarded the phenomenon of mirages. This research resulted in the production of a film which discusses both the cultural and scientific aspects of mirages.

201 Traditional Knowledge

Webster, Deborah

Parks Canada, Department of Canadian Heritage
Yellowknife, NT

Reference #: 12 410 462

Region: KE Location: Baker Lake and Thirty Mile Lake

Other members of team: D. Webster, L. Henderson, E. Sharp, D. Keith, J. Scottie, H. Mannik and youth from Baker Lake

Itimnik Oral History Research Project

This oral history project was complementary to an archaeological survey which was conducted in the Thirty Mile Lake area. The research team conducted interviews with Baker Lake elders in order to determine the significance of this area to wildlife and people. This research supported a presentation to the Historic Sites and Monuments Board of Canada to determine if this area should be designated as a National Historic Site.

ABOUT THE AURORA RESEARCH INSTITUTE

Prince of Wales Northern Heritage Centre Archaeological Permits

the Aurora Research Institute (ARI) in the spring of 1996.

202 Archaeology

Andrews, Thomas
The ARI's mandate is to improve the quality of life for western NWT residents by applying scientific, technological and indigenous knowledge to solve northern problems and advance social and economic goals.
Prince of Wales Northern Heritage Centre
Box 1320, Yellowknife, NT
X1A 2L9

Reference No: 94-781
The ARI is responsible for:
Region: FS Location: Hosi Deh, Emile River

Hosi Deh (Barrenlands River) Heritage Resource Inventory
licensing and coordinating research in accordance with the NWT Scientists Act: This includes work in the physical, social and biological sciences and in traditional knowledge.
The research completed an inventory of heritage of the area. A total of 132 heritage sites were recorded including the remains of 127 wooden canoes. A highlight of the trip was visiting the location where Edzo and Akaitcho negotiated the peace treaty between the Dogribs and Yellowknives in the 1820's.

▶ 203 Archaeology
promoting communication between scientists and the people of the communities in which they work;
Andrews, Thomas
Prince of Wales Northern Heritage Centre
Box 1320, Yellowknife, NT
X1A 2L9
promoting public awareness of the importance of science, technology and indigenous knowledge;

Reference No: 94-789
Region: FS Location: Drybones Bay, Great Slave Lake Area
fostering a scientific community within the NWT which recognizes and uses the traditional knowledge of northern aboriginal people;

Drybones Bay Heritage Resource Inventory
Survey and test excavations in Drybones Bay, Great Slave Lake
making scientific knowledge available to the people of the NWT;

204 Archaeology
▶ **Auger, Reginald**
supporting or conducting research which contributes to the social, cultural and economic prosperity of the people of the NWT.
Universite Laval
Quebec

Reference No: 94-779
Region: BA Location: Kodlunarn Island, Outer Frobisher Bay
Aurora Research Institute

Aurora College
Archaeology of the 1577-78 Martin Frobisher Base Camp on Kodlunarn Island and related mine sites in Frobisher Bay
Box 1450
Inuvik, NT X0E 0P0
The research consisted of excavations at Martin Frobisher's 16th century base camp. Micheal Blackburn continued consolidating the eroding bank in front of the site and restored the site's vegetal cover to its original state after excavation.
Donald Hogarth pursued his field surveys to locate other ore veins which may have been mined by Frobisher's men.
Tel: (867) 777-4029
Fax: (867) 777-4264

E mail: colinb@inukshuk.gov.nt.ca

June 5, 1996

205 Archaeology

Bussey, Jean

Points West Heritage Consulting Ltd.
Langly, BC

Reference No: 94-768

Region: KI, Location: Lac de Gras

BHP Minerals Canada Ltd., NWT Diamonds

The researcher conducted an inventory of resources and test excavations in the Coppermine River Basin north of Lac de Gras for BHP Minerals. Fifty new sites were found on or near eskers. Artifacts were observed and/or collected. A number of sites were located near or within proposed areas of development, those considered significant were avoided by work crews.

206 Archaeology

Dawson, Peter Colin

University of Calgary
Calgary, AB

Reference No: 94-787

Region: BA, Location: Gregory Peninsula and Black Point, Bathurst Island

Bathurst Island Archaeology Project

The researcher is examining how changing economic strategies have influenced the way Inuit have organized their households from A.D. 1000 to 1970. Of special interest is how the introduction of unfamiliar forms of spatial organization, such as Euro-Canadian government housing, has influenced the location and timing of traditional activities, gender relations and conflict resolutions, among modern Inuit families. Twenty-three winter houses were mapped in detail, also tent rings, caches, kayak/umiak stands, and bear/fox traps at a large summer processing site near Deblicquy. Finally, the crew surveyed the coast to the north and south where a number of small summer camps and processing sites were mapped and recorded.

207 Archaeology

Greer, Shiela

Canadian Circumpolar Institute
University of Alberta
Edmonton, AB

Reference No: 94-788

Region: IN, Location: Tsiigehnjik

Tsiigehnjik Ethnoarchaeology Project

The focus of the study was the history of traditional use of the river corridor. The researchers conducted interviews with elders, then visited traditional sites. The cabin villages at Martin House and Bernard Creek were studied extensively.

208 Archaeology
Helmer, James; LeMoine, Genevieve
University of Calgary
Calgary, AB

Reference No: 94-773
Region: BA, Location: Arvik site, near Tasiarulik, Little Cornwallis Island

1994 McDougall Sound Archaeology Project

The researchers completed the final season (since 1992) of work in the area. The objectives were to recover a sample of material from Arvik comparable to that from Tasiarulik, so that similarities and differences between the two occupations at these sites can be evaluated. Work at QiLa-3, another Late Dorset site, was aimed at acquiring a sample from what appears to be a single occupation without the overlap and frequent re-occupation characteristic of the larger sites.

209 Archaeology
Henderson, Lyle
Parks Canada
Department of Canadian Heritage

Region: KE, Location: Arviaq

Arviaq Mapping and Oral History Project

The researchers were to determine whether the summer occupation areas of Arviaq and Qaiqituarjuk are nationally significant. The research had two components. The first was to collect information from elders and other knowledgeable informants about ancestral lifeways, traditional knowledge and oral histories associated with these areas. The second was to record the locations of features with a Global Positioning System and to develop maps of the areas using Geographic Information System.

210 Archaeology
Kowal, Walt
University of Alberta
Edmonton, AB

Reference No: 94-778
Region: KI, Location: North Shore of Collinson Inlet, Cape Jane Franklin, and Cooper Lake, on King William Island

Project Supunger

This project, designed by David Woodman of Victoria, was to search for remains of the Franklin expedition of 1845. The crew surveyed the area around Cape Jane Franklin on the western coast of King William Island in the attempt to locate burial or record "vaults" and/or graves as reported to Charles Francis Hall by the Inuit hunter named Supunger. The results of this survey suggest that the information provided to Charles Francis Hall was not accurate.

211 Archaeology

MacDonald, John

Ministry of Culture and Tourism
Ontario

Reference No: 94-776

Region: KI, Location: Graham Gore Peninsula, King William Island

Franklin Survey Expedition

The researcher surveyed in the area of Erbus Bay and Graham Gore Peninsula to locate sites related to the Franklin Expedition of 1845. The survey covered an area of 33 square kilometres. One site, located the previous summer, was extensively recorded, and two dozen additional sites were located. Several of these sites contained artifacts which can be attributed to the Franklin crews.

212 Archaeology

McGhee, Robert

Canadian Museum of Civilization
Hull, PQ

Reference No: 94-770

Region: BA, Location: Resolute Bay

Resolute Bay Archaeology Project

The researchers carried out a project of excavation and house reconstruction of an early Thule winter village near Resolute Bay. The house selected was reconstructed by Henry Collins and W.E. Taylor in 1950-1951, and had since been vandalised by visitors. The few artifacts recovered suggest an Alaskan or "Ruin Island" affiliation rather than a relationship to the main occupation of the site.

213 Archaeology

Petch, Virginia

University of Manitoba
Winnipeg, MB

Reference No: 94-775

Region: KE, Location: Mountain Lake, Hawk Hill, the Grey Hills, Roseblade Lake and Longpre Lake, Southern Keewatin

Traditional Land Use of the Sayisi-dene from Pre-contact to Contact to Present

The researcher surveyed Mountain Lake, Hawk Hill, the Grey Hills, Roseblade Lake and Longpre Lake, southern Keewatin. Artifacts were not collected.

214 Archaeology

Rowley, Susan

R and D Corporation

Reference No: 94-777

Region: BA, Location: Arnaquaksat, southwestern tip of Igloodik Island

Igloodik Archaeology Field School

The students continued excavation work at Arnaquaksat on two Late Dorset structures. Another salvage excavation was undertaken at the Early/Middle Dorset site of Ataarvik. There, the Igloodik community garbage dump is rapidly expanding in the direction of the site. Over 250 artifacts were recovered. Also, collaborative research with elders into the location of quarry sites continued this year. Five (5) soapstone quarries and a whet stone quarry were visited, and over eighty sites were located during the visits.

215 Archaeology

Savelle, James

McGill University

Montreal, PQ

Reference No: 94-790

Region: BA, Location: Hazard Inlet, Somerset Island and Borden Peninsula, Baffin Island

Thule Whaling Project

The researcher concentrated his efforts upon the detailed examination and mapping of a prehistoric Thule Inuit site immediately north of Hazard Inlet. The information will be combined with data previously recorded in this area to better understand the annual cycle of the Thule. Investigations on the Borden Peninsula involved the recording and measuring of bones of bowhead whales that may have been hunted by Thule Inuit. This information will be used to determine what size of whales were being selected by Thule in this area.

216 Archaeology

Smith, Roger F.

Royal Air Force

Reference No: 94-784

Region: BA, Location: Blue Mountains, Ellesmere Island

Archaeological Survey of the Mountain Area, Ellesmere Island

The archaeological component of a Joint Service Expedition from the United Kingdom located and recorded evidence of human activity on northwestern Ellesmere Island between Borup and Hare Fiords. Twelve sites were found on the coasts of Hare and Greeley Fiords, and inland in the valley between the Blue and Blackwelder Mountains. The earliest of the encampments might belong to either the Independence I or Pre-Dorset cultures. Most sites were probably Thule in origin.

217 Archaeology

Stenton, Douglas

Arctic College
Nunatta Campus
Iqaluit

Reference No: 94-783

Region: BA, Location: North Baffin Island

Archaeological Reconnaissance: North Baffin National Park Reserve

The researcher conducted site surveys on north Baffin Island in the proposed North Baffin Island National Park Reserve. Surveys were conducted in Oliver Sound and along the coasts of Bylot Island. About 20 previously unreported sites were identified. They date primarily from the Thule, Post-contact and modern eras. This information will be useful in the development of a management plan for the park's heritage resources.

218 Archaeology

Stenton, Douglas

Nunatta Campus
Arctic College
Iqaluit

Reference No: 94-772

Region: BA, Location: Tungatsivvik Site, Peterhead Inlet, Frobisher Bay

Tungatsivvik Archaeology Project

The researcher returned to the site to teach the archaeological field school of the Environmental Technology Programme of Arctic College. Excavation of a Thule winter house, yielded about 500 artifacts of Pre-Dorset, Dorset, and Thule origin. Analysis of the materials found was conducted at the Arctic College's Nunatta Campus.

219 Archaeology

Shenton, Douglas

Nunatta Campus
Arctic College
Iqaluit

Reference No: 94-786

Region: BA, Location: Cape Dorset, Southern Baffin Island

Mallikjuak Island Park Development

The researcher excavated and reconstructed a Thule winter house at the Mallikjuak site near Cape Dorset. The house yielded a small assemblage of artifacts dating from the late Thule period, as well as some modern artifacts (.22 calibre cartridge casings) embedded in the surface levels. The entry passage, exterior walls and sleeping platforms were rebuilt to provide visitors with a better understanding of Thule winter houses.

220 Archaeology

Sutherland, Patricia

Research Associate, Archaeological Survey of Canada
Canadian Museum of Civilization
Hull, PQ

Reference No: 94-782

Region: IN, Location: Richards Island, Mackenzie Delta

Richards Island Archaeological Project

The researchers continued to investigate an early prehistoric site discovered in 1993. Investigations at the site of Satkualuk, on the coast of Kittigazuit Bay, included extensive surface collecting of artifacts and the excavation of about ten cubic metres of deposits. A number of new localities were discovered adjacent to the main site. Seventeen other sites were examined, and six of these thought to be related to Choris or other early occupants of Richards Island.

221 Archaeology

Webster, Deborah

Parks Canada, Department of Canadian Heritage

Reference No: 94-774

Region: KE, Location: Itimnik, Lower Kazan River

Itimnik Research Project

The researcher conducted the second season of research at a caribou crossing on the Lower Kazan River. The project is designed to investigate the history of the Saqvuarmiut by surveying the site and recording oral history and place names from the elders who lived there before settling in Baker Lake. Over one hundred archaeological sites were also located. The Historic Sites and Monuments Board of Canada will then determine whether the caribou crossing should be designated as a National Historic Site.

222 Archaeology

Webster, Deborah

Parks Canada, Department of Canadian Heritage
Yellowknife, NT

Reference No: 94-780

Region: IN, Location: Thomsen River, Banks Island

Thomsen River Survey

The researchers conducted a survey of the west side of Thomsen River in Aulavik National Park. The purpose of this project was to create an inventory of sites along the Thomsen River and to assess their present condition for monitoring future impact. The crew recorded 60 sites. Consultations with representatives of community organizations in Sachs Harbour continue and future research plans for Aulavik National park will be discussed.

223 Archaeology

Whitridge, Peter

Arizona State University

Tempe, Arizona

Reference No: 94-785

Region: BA, Location: Mount Oliver, Southeast Somerset Island

Mount Oliver Thule Archaeology project

The researchers continued work at the Thule village of Qariaraqyuk. The crew completed the excavation of three houses begun in 1993, and excavated three more houses. This completes a three year research project which provides information about prehistoric social life at this complex site.

Department of Renewable Resources

Wildlife Research Permits

224 Wildlife

Alisaukas, Ray
Research Scientist
Canadian Wildlife Service
115 Perimeter Road
Saskatoon, SK S7N 0X4

Reference #: 1074
Year of Research: 05/15/1994
Region: KI Location: Queen Maud Gulf Bird Sanctuary

Arctic Fox Predation on Ross and Snow Goose nests

Waterfowl, Ross Goose

Radio transmitters were applied to arctic fox to determine home ranges and impacts on goose colony.

225 Wildlife

Alisaukas, Ray
Research Scientist
Canadian Wildlife Service
115 Perimeter Road
Saskatoon, SK S7N 0X4

Reference #: 1064
Year of Research: 05/01/1994
Region: KI Location: Queen Maud Gulf Bird Sanctuary

Population Biology and Nutritional Ecology of Ross Geese

Waterfowl, Ross Geese

Nest plots were searched to measure population size of colony and measure nest success.

226 Wildlife

Beudooin, Thomas

Umayot

#400 505-8 AVE SW

Calgary, AB T2P 1G2

Reference #: 1005

Year of Research: 01/18/1994

Region: IN Location: Egg and Masik rivers area on Banks Island

Muskox Harvest

Muskox

Testing was done during a commercial harvest of approximately 800 to 1000 Muskoxen.

227 Wildlife

Bradley, Mark

Regional Biologist

Renewable Resources

Box 390

Fort Smith, NT X0E 0P0

Reference #: 1115

Year of Research: 10/21/1994

Region: FS Location: Fort Providence Area

Fort Providence Moose Study

Large Mammals, Moose

Density, sex/age distribution, harvest, and pregnancy rate of the Fort Providence moose population were estimated by block aerial census and survey of local hunters.

228 Wildlife

Bradley, Mark

Regional Biologist

Renewable Resources

Box 390

Fort Smith, NT X0E 0P0

Reference #: 1105

Year of Research: 07/18/1994

Region: FS Location: Ft Smith, Ft. Simpson, Yellowknife.

Fire, Fur, Moose

Animals, small/large mammals

Plant samples were gathered to do animal census on burns of different ages to determine response time of plants and animals to fires.

229 Wildlife

Bromley, Robert

Waterfowl Biologist

Renewable Resources

600-5102-50 Ave

Yellowknife, NT X1A 3S8

Reference #: 1080

Year of Research: 05/10/1994

Region: IN Location: Inuvik, Aklavik, areas of Mackenzie River Delta

Spring Harvest of Waterfowl Study

Waterfowl, Ducks, Geese

Species, age, sex, and numbers of waterfowl killed by visiting spring camps on a regular basis were determined.

230 Wildlife

Bromley, Robert

Waterfowl Biologist

Renewable Resources

600-5102-50 Ave

Yellowknife, NT X1A 3S8

Reference #: 1082

Year of Research: 05/15/1994

Region: KI Location: Walker Bay, SE Victoria Island, Locker Point north of Coppermine

Waterfowl of the Central Arctic

Waterfowl, Ducks, Geese, Swan

The productivity, factors affecting production, affinities, and survival rates of geese and swans were determined.

231 Wildlife

Caswell, Dale

Waterfowl Biologist

Canadian Wildlife Service

Rm. 513, 269 Main Street

Winnipeg, MN R3C 1B2

Reference #: 1110

Year of Research: 07/20/1994

Region: KE, BA Location: West Hudson Bay, Southampton Island, West Baffin Island

Tall Grass Prairie (TGP) Canada Geese Marking

Waterfowl, TGP Canada geese

Canada Geese were drive trapped and marked to assess population status and harvest.

232 Wildlife

Croft, Bruno

Waterfowl Technician

Renewable Resources

600 5102 50 Ave

Yellowknife, NT X1A 3S8

Reference #: 1065

Year of Research: 04/25/1994

Region: FS, KI Location: Great Slave Lake, Kent Peninsula, Victoria Island

Nutrients of Canada Geese Nesting in the Central Canadian Arctic

Waterfowl, Canada Geese

Sixty small female Canada geese were collected to determine the importance of northern staging areas. The role of nutrient reserves in reproduction of small Canada Geese was assessed, and the presence of a nutrient threshold on influencing nest initiation.

233 Wildlife

Dickson, Lynne

Biologist

Canadian Wildlife Service

Rm.210 4999-98 Ave

Edmonton, AB T6B 2X3

Reference #: 1079

Year of Research: 06/01/1994

Region: KI Location: Victoria Island

King Eider Abundance on Western Victoria Island

Waterfowl, King Eiders

Estimates of king eider abundance and distribution were obtained by aerial surveys. Baseline information on king eiders was developed for monitoring.

234 Wildlife

Elkin, Brett

Wildlife Disease Specialist

Renewable Resources

600 5102 50 Ave

Yellowknife, NT X1A 3S8

Reference #: 1063

Year of Research: 04/05/1994

Region: FS Location: Beverly Caribou Range Ft Smith

A Survey of Disease, Parasites and Environmental Contaminants in Caribou

Caribou, Beverly Caribou

Biological samples from hunter kills were collected to determine herd health.

235 Wildlife

Elkin, Brett

Wildlife Disease Specialist

Renewable Resources

600 5102 50 Ave

Yellowknife, NT X1A 3S8

Reference #: 1003

Year of Research: 01/01/1994

Region: KI Location: Cambridge Bay

A Survey of Environmental Contaminants in Wolves from Cambridge Bay

Wolf

The levels of organochlorine, heavy metal and radionuclide contaminants in wolves were determined from collecting carcasses from trappers.

236 Wildlife

Elkin, Brett

Wildlife Disease Specialist

Renewable Resources

600-5102-50 Ave

Yellowknife, NT X1A 3S8

Reference #: 1002

Year of Research: 01/01/1994

Region: FS, IN Location: Mackenzie Drainage communities

Organochlorine and Heavy Metal Contaminants in Fish-eating Furbearers

Small Mammals, Mink

Mink carcasses from trappers in the designated communities were collected and tested for organochlorine and heavy metals.

237 Wildlife

Elkin, Brett

Wildlife Disease Specialist

Renewable Resources

600-5102-50 Ave

Yellowknife, NT X1A 3S8

Reference #: 1004

Year of Research: 01/01/1994

Region: IN Location: Inuvik

Survey of Disease, Parasites, and Contaminants in the Bluenose Caribou Herd

Caribou, Bluenose Caribou

Samples from hunter killed caribou were collected to determine the presence of disease, parasites and levels of organochlorine, heavy metals and radionuclide contaminants.

238 Wildlife

Elkin, Brett

Wildlife Disease Specialist

Renewable Resources

600-5102-50 Ave

Yellowknife, NT X1A 3S8

Reference #: 1109

Year of Research: 08/01/1994

Region: KI Location: Contwoyto Lake

Survey of Environmental Contaminants in Local Flora and Fauna

Animals, Caribou, Voles, Ptarmigan

Samples were collected around a 10 km radius to determine chemical and metal exposure in resident wildlife species as a means of assessing possible localized environmental contamination.

239 Wildlife

Engstrom, Mark D.

Department of Mammalogy

Royal Ontario Museum

100 Queens Park

Toronto, ON M5S 2C6

Reference #: 1094

Year of Research: 06/20/1994

Region: BA Location: Belcher Islands

Speciation and Historical Biogeography of Collared Lemmings in North America

Small Mammals, Collared Lemmings

Up to 30 lemmings were collected to analyse the chromosomal, genetic and morphological information; to determine if chromosomal rearrangements are related to reproductive isolation and the origin of new species. Live animals were also used to start a breeding colony of lemmings from the Belcher Islands.

240 Wildlife

Ferguson, Mike

Regional Biologist

Renewable Resources

General Delivery

Pond Inlet, NT X0A 0S0

Reference #: 1088

Year of Research: 06/06/1994

Region: BA Location: Northern Baffin Island

Life history of caribou on Baffin Island

Caribou, wolves

The herd was surveyed to determine composition, abundance, and the calving areas.

241 Wildlife

Ferguson, Mike

Regional Biologist
Renewable Resources
General Delivery
Pond Inlet, NT X0A 0S0

Reference #: 1060

Year of Research: 04/05/1994

Region: BA Location: Southern Baffin Region

Caribou winter population ecology study

Caribou

Seasonal movements, annual fidelity to range, subpopulations, density and recruitment were determined.

242 Wildlife

Gaston, Anthony

Research Scientist
Canadian Wildlife Service
100 Gamelin Boulevard
Hull, QB K1A 0H3

Reference #: 1068

Year of Research: 06/01/1994

Region: KE, BA Location: Coats Island, Digges Island

Canadian Wildlife Service Seabird Monitoring Program

Sea Birds, Herring Gull, Guillemots

Information on the population dynamics of Thick billed Murres was provided to design harvest levels. Adults and chicks were banded, behaviour was observed, and eggs were removed.

243 Wildlife

Gates, Cormack

Bison Biologist
Renewable Resources
Box 390
Fort Smith, NT X0E 0P0

Reference #: 1017

Year of Research: 03/01/1994

Region: FS Location: Slave River lowlands

Slave River Lowlands (SRL) Bison Population Studies

Bison

Census the SRL herd and determined the herds composition by aerial survey methods.

244 Wildlife

Gates, Cormack

Bison Biologist
Renewable Resources
Box 390
Fort Smith, NT X0E 0P0

Reference #: 1018

Year of Research: 03/01/1994

Region: FS Location: Fort Providence area

Vaccination of Adult Male Bison

Bison

Adult male bison were vaccinated against anthrax and a survey in the Fort Providence area was conducted.

245 Wildlife

Gates, Cormack

Bison Biologist
Renewable Resources
600-5102-50 Ave
Yellowknife, NT X1A 3S8

Reference #: 1102

Year of Research: 07/05/1994

Region: FS Location: Hanging Ice Bison Ranch

Summer Forage Selection Strategies of Bison

Bison

Feeding ecology of bison was studied.

246 Wildlife

Gauthier, Gilles

Professor
University of Laval
Department of Biology
Ste-Foy, QB G1K 7P4

Reference #: 1100

Year of Research: 06/24/1994

Region: BA Location: Bylot Island

Breeding Ecology of Greater Snow Geese

Waterfowl, Greater Snow Geese

The ecology of nesting Greater Snow Geese was monitored. The researcher searched for goose nests, weighed and measured goslings, manipulated clutches, collected goslings and imprinted them on humans, and marked up to 500 adults with leg bands and neck collars.

247 Wildlife

Greenberg, Russell S.

Smithsonian Migratory Bird Centre
National Zoo
Washington, DC 20008

Reference #: 1092

Year of Research: 05/25/1994

Region: FS Location: Ft Simpson, Liard River Park, Ft. Liard, Blackstone Territorial Park

Comparison of Boreal Forest Bird Communities in Siberia and Canada

Birds, Songbirds

Census song bird communities and recorded foraging behaviour and compared data with similar projects in Russia.

248 Wildlife

Hancock, David

Hancock Research Centre
19313 Zero Avenue
Surrey, BC V3S 5J9

Reference #: 1091

Year of Research: 06/01/1994

Region: IN Location: Dempster Highway

Tetraonid Comparative Behaviour

Birds, Spruce Grouse, Ptarmigan

The breeding behaviour and chick behaviour of tetraonids were studied. Live capture and breed in captivity behaviour studies were conducted.

249 Wildlife

Hines, Jim

Waterfowl Biologist
Canadian Wildlife Service
Box 637
Yellowknife, NT X1A 2N5

Reference #: 1098

Year of Research: 06/20/1994

Region: IN Location: Inuvialuit mainland

Distribution Abundance and Survival of Geese and Swans in the Inuvialuit Settlement Region

Waterfowl, Swans, Geese

The fall and winter distribution of white-fronted, Canada geese and Brant in the Inuvialuit Settlement Region were determined. Annual survival rates were determined. Geese were banded using helicopter drives during their flightless period.

250 Wildlife

Hines, Jim

Waterfowl Biologist
Canadian Wildlife Service
Box 637
Yellowknife, NT X1A 2N5

Reference #: 1086

Year of Research: 05/20/1994

Region: FS Location: along Yellowknife highway

Abundance and Productivity of Waterfowl Breeding in the Boreal Forest

Waterfowl, Ducks

By doing surveys, the researcher determined limiting factors of size composition and productivity of breeding populations of ducks in the Yellowknife area. Census methods were improved.

251 Wildlife

Hines, Jim

Waterfowl Biologist
Canadian Wildlife Service
Box 637
Yellowknife, NT X1A 2N5

Reference #: 1111

Year of Research: 06/01/1994

Region: IN Location: Banks Island #1 Bird Sanctuary

Populations and Habitats of Pacific Brant on Banks Island, NWT.

Waterfowl, Pacific Brant

The number, distribution, survival rates, and impacts of avian cholera were determined on Pacific Brant. Geese were banded using helicopter drives.

252 Wildlife

Hines, Jim

Waterfowl Biologist
Canadian Wildlife Service
Box 637
Yellowknife, NT X1A 1Y6

Reference #: 1085

Year of Research: 05/20/1994

Region: FS Location: Within 50 km of Yellowknife

Factors Influencing Distribution and Abundance of the Spruce Grouse

Birds, Spruce Grouse

Habitat use, density, composition, demography of a spruce grouse population was determined near its northern limit. The hypothesis was tested that annual variation in overwinter survival and reproductive success is the demographic cause of population fluctuations in grouse.

253 Wildlife

Johnstone, Robin

WCVM D. Vet Anatomy

University of Saskatchewan

Saskatoon, SK S7N 0W0

Reference #: 1075

Year of Research: 05/01/1994

Region: KE Location: Rankin Inlet

Disturbance of Nesting Peregrine Falcons

Birds, Peregrine Falcons

The distance from nesting Peregrine Falcons that human activity will disturb them was quantified. The disturbance during approach using many different modes of transportation was observed.

254 Wildlife

Johnstone, Robin

WCVM D. Vet Anatomy

University of Saskatchewan

Saskatoon, SK S7N 0W0

Reference #: 1062

Year of Research: 05/01/1994

Region: KE Location: Rankin Inlet

Pesticide Contamination, Nest Site Occupation, and Nest Competition

Raptors, Peregrine Falcons

Monitor pesticide contamination by taking blood samples, determine factors affecting reproductive success and determine if the population is limited by the number of quality nest sites.

255 Wildlife

Kay, David

Waterfowl Biologist

Ducks Unlimited Canada

Box 1438

Yellowknife, NT X1A 2P1

Reference #: 1058

Year of Research: 05/15/1994

Region: IN Location: Brackett Lake

Distribution, Abundance and Productivity of Waterfowl at Brackett Lake

Waterfowl

The distribution, abundance and productivity of boreal forest waterfowl in the Brackett lake wetland system was determined.

256 Wildlife

Kerchaw, Peter

Professor

University of Alberta

Department of Geography 3-32 HM Tory Bld.

Edmonton, AB T6G 2H4

Reference #: 1084

Year of Research: 05/20/1994

Region: IN Location: Fort Norman Region

Studies of the Environmental Effects of Disturbance in the Subarctic

Small Mammals, Vole, Shrew

The environmental impacts associated with surface disturbance was quantified, test reclamation treatments were evaluated, and models were developed to predict results of surface disturbance.

257 Wildlife

Krebs, Charles

Professor

University of BC

Department of Zoology UBC 6270 University Blvd.

Vancouver, BC V6T 1Z4

Reference #: 1076

Year of Research: 06/01/1994

Region: KI, IN Location: Eastern and Western Arctic

Lemming Population Fluctuations in the Eastern and Western Arctic

Small Mammals, Lemming Species

Lemming were trapped in the arctic to find out how lemming cycles in the Cambridge Bay area are synchronized with those in the west.

258 Wildlife

Kyle, G. A.

Interprovincial Pipeline

Box 280

Norman Wells, NT X0E 0V0

Reference #: 1011

Year of Research: 01/01/1994

Region: IN Location: Norman Wells area

Interprovincial Pipeline Wildlife Monitoring

Animals, Ungulates, Furbearer

Ungulates and furbearers were monitored along the pipeline right of way.

259 Wildlife

Larter, Nicholas

Muskox/Caribou Biologist

Renewable Resources

Bag Service 1

Inuvik, NT X0E 0T0

Reference #: 1051

Year of Research: 03/01/1994

Region: IN Location: Banks Island

Banks Island Range Study

Animals, Muskox, Caribou

Seasonal diet changes were determined in areas of different ungulate density by collecting samples from dead or harvested ungulates. A habitat analysis study was conducted.

260 Wildlife

Larter, Nicholas

Muskox/Caribou Biologist

Renewable Resources

Bag Service 1

Inuvik, NT X0E 0T0

Reference #: 1009

Year of Research: 01/26/1994

Region: IN Location: Banks Island

Condition of Peary Caribou on Banks Island

Caribou, Peary Caribou

Up to 9 Peary Caribou calves were collected to determine their condition.

261 Wildlife

Latour, Paul

Habitat Biologist

Canadian Wildlife Service

Box 637

Yellowknife, NT X1A 2N5

Reference #: 1096

Year of Research: 07/15/1994

Region: BA Location: Creswell Bay

Assessment of Creswell Bay for Future Protected Area Designation

Birds, Shorebirds

Nesting abundance and distribution and migration of shorebirds was determined at Creswell Bay. Nesting abundance of waterfowl and abundance of sea birds and marine animals were determined by ground survey methods.

262 Wildlife

Latour, Paul

Habitat Biologist
Canadian Wildlife Service
Box 637
Yellowknife, NT X1A 2N5

Reference #: 1073

Year of Research: 05/01/1994

Region: FS Location: Mills Lake

Assessment of Mills Lake as a Staging Area for Geese and Ducks

Waterfowl, Geese and Ducks

The abundance and distribution of staging waterfowl at Mills Lake was determined during the spring and fall. The breeding density at Mills Lake was determined.

263 Wildlife

Laurion, Thomas R.

U of Wisconsin
10 Field Station Rd.
Madison, Wisconsin 82520

Reference #: 1089

Year of Research: 06/15/1994

Region: KE Location: Tammarvi, Kigarvi, and Finnie Rivers

Salvage Osteological Material for the University of Wisconsin

Animals

Osteological material was collected while hiking and canoeing in the Thelon Game reserve.

264 Wildlife

Lee, John

Wolverine Biologist
Renewable Resources
600 5102 50 Ave
Yellowknife, NT X1A 3S8

Reference #: 1010

Year of Research: 01/01/1994

Region: KI Location: Napaktolik Lake

Wolverine Ecology in the Central Arctic

Large Mammals, Wolverine

Movement patterns and home ranges were investigated by using satellite telemetry.

265 Wildlife

Lee, John

Wolverine Biologist
Renewable Resources
600-5102-50 Ave
Yellowknife, NT X1A 3S8

Reference #: 1001

Year of Research: 01/01/1994

Region: KI Location: Central Arctic mainland

Wolverine Harvest Collection Program

Large Mammals, Wolverine

Number, sex, age and chronology of wolverine harvest was determined and food habits, condition and reproductive status were described by collecting carcasses from trappers.

266 Wildlife

Maclean, Norm

Sahtu Area Wildlife Technician
Renewable Resources
Box 130
Norman Wells, NT X0E 0V0

Reference #: 1083

Year of Research: 06/01/1994

Region: IN Location: Forest burns in the Sahtu

Forest Burns and Their Importance to Furbearers and Ungulates

Furbearers, ungulates

Relative winter abundance of furbearers and ungulates were determined in burns of differing ages and the vegetational structure of the above burns was quantified.

267 Wildlife

Maclean, Norm

Sahtu Area Wildlife Technician
Renewable Resources
Box 130
Norman Wells, NT X0E 0V0

Reference #: 1090

Year of Research: 06/15/1994

Region: IN Location: Sheep Mountain

Dalls Sheep Composition and Habitat Selection in the Front Range

Animals, Dalls sheep

The availability and location of forage was determined and methods of determining composition was tested.

268 Wildlife

Matthews, Steve

Environmental Assessment Biologist
Renewable Resources
600 5102 50 Ave
Yellowknife, NT X1A 3S8

Reference #: 1107

Year of Research: 06/29/1994

Region: FS Location: Lac de Gras, Mackay Lake area

An Investigation of the Tundra Ecosystem

Animals

A facility was established and research initiated into the importance of eskers to tundra wildlife in the Slave geological province.

269 Wildlife

Miller, Frank

Caribou Biologist
Canadian Wildlife Service
2nd Floor 4999-98 Ave
Edmonton, AB T6B 2X3

Reference #: 1008

Year of Research: 04/01/1994

Region: BA Location: Bathurst Island, Queen Elizabeth Islands,

Peary Caribou Conservation

Caribou, Peary Caribou

Distribution and movements of Caribou were monitored by capturing and outfitting with satellite radio collars.

270 Wildlife

Mech, David

US National Biological Service
North Central Forest Expt. Stn 1992 Folwell Ave
St. Paul, Minnesota 55108

Reference #: 1069

Year of Research: 06/27/1994

Region: BA Location: Ellesmere Island

Wolf Behaviour and Ecology

Wolf

The ecology and behaviour of wolves was studied around Eureka on Ellesmere Island. Tests were done by observation and video tape.

271 Wildlife

Morrison, RIG

Research Scientist

Canadian Wildlife Service

NWRC 100 Gamelin Boulevard

Hull, QB K1A 0H3

Reference #: 1095

Year of Research: 06/20/1994

Region: BA Location: Alert, Ellesmere Island

Studies of the Migration, Ecophysiology and Energetics of Shorebirds

Birds, Shorebirds

A survey was performed to determine breeding density and habitat use. Birds were captured and measured and outfitted with bands and transmitters to determine migration and energetics.

272 Wildlife

Mulders, Robert

Regional Biologist

Renewable Resources

Box 120

Arviat, NT X0C 0E0

Reference #: 1052

Year of Research: 03/01/1994

Region: KE Location: Keewatin District

Qamanirjuaq Caribou Spring Composition and Satellite Collaring

Caribou

The researchers performed ground and aerial classification counts. Hunter killed caribou were collected. A satellite collar on a female was deployed. Research was conducted to provide information on caribou management decisions.

273 Wildlife

Mulders, Robert

Regional Biologist

Renewable Resources

Box 120

Arviat, NT X0C 0E0

Reference #: 1134

Year of Research: 03/23/1994

Region: KE Location: Keewatin District

Qamanirjuaq Caribou Spring Composition and Satellite Collaring

Caribou

Ground and aerial counts were conducted and satellite collars deployed to help make management decisions concerning the Qamanirjuaq caribou spring composition.

274 Wildlife

Nagy, John

Supervisor, Wildlife Management
Renewable Resources
Bag Service 1
Inuvik, NT X1A 3S8

Reference #: 1093

Year of Research: 04/21/1994

Region: IN Location: Banks Island

Banks Island Caribou and Muskox Census

Caribou, Muskox

Aerial strip transects were conducted and the abundance of muskox and caribou on Banks Island were determined and classified.

275 Wildlife

Nagy, John

Supervisor, Wildlife Management
Renewable Resources
Bag Service 1
Inuvik, NT X0E 0T0

Reference #: 1025

Year of Research: 03/01/1994

Region: IN Location: Banks Island

Monitoring of Commercial Muskox Harvest on Banks Island

Muskox

Appropriate samples were collected from commercial muskox kills to monitor body condition, pregnancy status and disease.

276 Wildlife

Nishi, John

Regional Biologist
Renewable Resources
Gov. NWT
Kugluktuk, NT X0E 0E0

Reference #: 1015

Year of Research: 02/20/1994

Region: KI Location: Boothia Peninsula

Distribution and Abundance of Muskoxen on Boothia Peninsula

Muskox

Aerial strip surveys were conducted on the Boothia peninsula to determine distribution and abundance of Muskoxen.

277 Wildlife

Nishi, John

Regional Biologist
Renewable Resources
Gov. NWT
Kugluktuk, NT X0E 0E0

Reference #: 1066

Year of Research: 06/01/1994

Region: KI Location: West Victoria Island

Calving ground survey of western Victoria Island

Caribou

All calving grounds were located and delineated on western Victoria Island and caribou numbers on the calving grounds were estimated.

278 Wildlife

Nishi, John

Regional Biologist
Renewable Resources
Gov. NWT
Kugluktuk, NT X0E 0E0

Reference #: 1067

Year of Research: 04/01/1994

Region: KI Location: Coronation Gulf, Dease Strait, Dolphin and Union Strait

Seasonal Movements of Victoria Island Caribou

Caribou

Caribou were surveyed from ground and air to determine whether caribou wintering in different locations use the same calving grounds. Their seasonal movements were also monitored.

279 Wildlife

Nishi, John

Regional Biologist
Renewable Resources
Gov. NWT
Kugluktuk, NT X0E 0E0

Reference #: 1013

Year of Research: 03/01/1994

Region: KI Location: Rae and Richardson River valley

Status of Muskoxen in the Rae-Richardson River Valley

Muskox

Abundance and composition of the Muskoxen were determined in the Rae and Richardson River valley by aerial survey methods.

280 Wildlife

Nishi, John

Regional Biologist
Renewable Resources
Gov. NWT
Kugluktuk, NT X0E 0E0

Reference #: 1024

Year of Research: 03/01/1994

Region: KI Location: Holman, NT

Identify Caribou on Victoria Island, Body Condition and Composition of Wolves

Caribou, Wolves

Samples from hunter killed wolves and caribou helped to determine the genetic make up of the Victoria Island herd and the diet of wolves.

281 Wildlife

Nishi, John

Regional Biologist
Renewable Resources
Gov. NWT
Kugluktuk, NT X0E 0E0

Reference #: 1054

Year of Research: 03/01/1994

Region: KI Location: Melbourne Island

Aerial Survey of Muskoxen on Melbourne Island

Muskox

The total number of Muskoxen on Melbourne Island were estimated and a suitable harvest level was determined.

282 Wildlife

Nishi, John

Regional Biologist
Renewable Resources
Gov. NWT
Kugluktuk, NT X0E 0E0

Reference #: 1016

Year of Research: 03/01/1994

Region: KI Location: Gjoa Haven

Caribou on King William Island: A study on Traditional Knowledge of Gjoa Haven residents

Caribou

Traditional knowledge of residents in Gjoa Haven was documented on the ecology of caribou on King William Island.

283 Wildlife

Nishi, John

Regional Biologist
Renewable Resources
Gov. NWT
Kugluktuk, NT X0E 0E0

Reference #: 1006

Year of Research: 02/01/1994

Region: KI Location: South of Coppermine

Body Condition Survey of Hunter Killed Caribou

Caribou

The health and physical condition of caribou in winter was determined by sampling hunter-killed caribou for standard indices of body condition.

284 Wildlife

Nishi, John

Regional Biologist
Renewable Resources
Gov. NWT
Kugluktuk, NT X0E 0E0

Reference #: 1023

Year of Research: 03/01/1994

Region: KI Location: Rae and Richardson River valley

Identify Lungworm Infecting Muskoxen in the Rae and Richardson River Valley

Muskox

Samples were collected from hunter killed Muskoxen and analysed in the laboratory.

285 Wildlife

Nishi, John

Regional Biologist
Renewable Resources
Gov. NWT
Kugluktuk, NT X0E 0E0

Reference #: 1014

Year of Research: 03/01/1994

Region: KI Location: Diamond Jenness Peninsula

Late Winter Body Condition of Muskoxen in Western Victoria Island

Muskox

Health and physical condition of Muskoxen in late winter was determined by sampling hunter-killed Muskoxen.

286 Wildlife

Obst, Joachim

Renewable Resources

General Delivery

Yellowknife, NT X1A 2L8

Reference #: 1070

Year of Research: 05/10/1994

Region: KE Location: Henik Lakes in SE Keewatin Point lakes

Raptor and shorebird surveys

Birds, Raptors, Waterfowl

The breeding distribution of raptors, ravens, shorebirds, and waterfowl were documented. Prey remains were collected around Gyrfalcon and Peregrine Falcon nest sites.

287 Wildlife

Poole, Kim

Furbearer Biologist

Renewable Resources

600-5102-50 Ave

Yellowknife, NT X1A 3S8

Reference #: 1499

Year of Research: 01/01/1994

Region: FS, IN Location: Mackenzie drainage

Lynx and Marten Carcass Collections

Furbearers

Age, sex, and reproductive condition of lynx and marten were determined by collecting carcasses from trappers. Pelt measurement criteria was determined for identifying kits in the harvest.

288 Wildlife

Poole, Kim

Furbearer Biologist

Renewable Resources

600-5102-50 Ave

Yellowknife, NT X1A 3S8

Reference #: 1498

Year of Research: 01/01/1994

Region: FS Location: Calais Lake area of the Mackenzie Bison Sanctuary

Mackenzie Bison Sanctuary Lynx Study

Furbearers, Lynx

Home range size, movement patterns and use of habitat were examined and related to snowshoe hare densities. The size of refugia needed for lynx during low hare numbers was established. Lynx were live trapped, radio collared, then released.

289 Wildlife

Poole, Kim

Furbearer Biologist
Renewable Resources
600-5102-50 Ave
Yellowknife, NT X1A 3S8

Reference #: 1500

Year of Research: 01/01/1994

Region: FS, IN Location: Mackenzie drainage

Snowshoe Hare Population Monitoring

Furbearers, Snowshoe hare

Pellets on designated plots were counted to monitor hare levels across the territories.

290 Wildlife

Prosper, Rob

Canadian Parks Service
Bag 300
Fort Simpson X0E 0N0

Reference #: 1077

Year of Research: 05/01/1994

Region: FS Location: Nahanni National Park

Amphibian Surveys

Animals, Frogs and toads

A population indices was established for Anuran species along the road corridors from Camsell Bend to Fort Liard. Phenology and species composition was determined in the area by surveying.

291 Wildlife

Ramsay, Malcolm

Associate Professor
University of Saskatchewan
Department of Biology University of Saskatchewan
Saskatoon, SK S7N 0W0

Reference #: 1057

Year of Research: 04/09/1994

Region: BA Location: Resolute Bay, Viscount Melville Sound, Barrow Strait, Lancaster Sound

Retention Rate of the Immobilizing Drug Telazol in the Tissue of Polar Bears

Polar Bears

The researchers determined the biological turnover rate of Telazol in polar bear tissues and assessed health risks of eating injected bear meat. Two bears were immobilized from a helicopter and killed later for sampling.

292 Wildlife

Ramsay, Malcolm

Associate Professor

University of Saskatchewan

Department of Biology University of Saskatchewan

Saskatoon, SK S7N 0W0

Reference #: 1061

Year of Research: 04/05/1994

Region: BA Location: Resolute Bay, Viscount Melville Sound, Barrow Strait, Lancaster Sound

Kinetics of PCBs and DDE in the Adipose Tissue and Milk of Polar Bears

Polar Bears

Polar bears are exposed to high levels of contaminants because they are almost exclusively carnivorous. Objectives included resampling bears to measure changes in PCB/DDE and body composition.

293 Wildlife

Reed, Austin

Biologist

Canadian Wildlife Service

1141, route de l'Eglise

Ste Foy, QB G1V 4H5

Reference #: 1072

Year of Research: 06/01/1994

Region: BA Location: Bylot Island

The Breeding Ecology of Greater Snow Geese on Bylot Island

Waterfowl, Snow Geese

Snow geese were observed to learn how factors influence colony location. Nest success was monitored. More than 2000 snow geese were captured, marked and measured to evaluate survival rates of different cohorts.

294 Wildlife

Reed, Shawna

Biologist

RESCAN Environmental Services

1111 West Hastings Street 6 floor Coopers & Lybrand Building

Vancouver, BC V6E 2J3

Reference #: 1113

Year of Research: 09/15/1994

Region: FS Location: Prairie Creek area

Prairie Creek Wildlife and Vegetative Assessment Evaluation

Animals, all species

Reconnaissance level data was provided on wildlife resources present in the area by visual observation and helicopter flyover.

295 Wildlife

Reed, Shawna

Biologist

RESCAN Environmental Services

1111 West Hastings Street 6 floor Coopers & Lybrand Building

Vancouver, BC V6E 2J3

Reference #: 1114

Year of Research: 09/15/1994

Region: FS Location: Lac de Gras

NWT Diamonds environmental monitoring program

Animals

Baseline data on the presence and abundance of wildlife and the degree of wildlife utilization by residents and nonresidents was provided.

296 Wildlife

Reimer, Ken

Head

Environmental Science Group

Royal Roads Military College FMO

Victoria, BC V0S 1B0

Reference #: 1097

Year of Research: 06/20/1994

Region: IN Location: DEW line sites across the arctic Pearce Point

Environmental Study of Abandoned DEW Line Sites

Small Mammals, Lemmings

Small mammals were trapped to assess the risk of contamination to raptors.

297 Wildlife

Shank, Christopher

Wildlife Biologist

Renewable Resources

600-5102-50 Ave

Yellowknife, NT X1A 3S8

Reference #: 1108

Year of Research: 08/01/1994

Region: FS Location: Yellowknife, Ft Smith, Ft Simpson

Monitoring Abundance of Small Mammals

Small Mammals

100 snap traps were set for 5 trap nights at each location to monitor regional trends in small mammal abundance.

298 Wildlife

Shank, Christopher

Wildlife Biologist
Renewable Resources
600-5102-50 Ave
Yellowknife, NT X1A 3S8

Reference #: 1106

Year of Research: 07/20/1994

Region: KE, FS Location: Thelon Game Sanctuary

Muskox Population Estimates for Thelon Game Sanctuary

Muskox

The entire sanctuary was covered by line transects to establish the abundance of muskox. Some ground truthing of satellite images also took place.

299 Wildlife

Shank, Christopher

Wildlife Biologist
Renewable Resources
600-5102-50 Ave
Yellowknife, NT X1A 3S8

Reference #: 1103

Year of Research: 07/05/1994

Region: KI Location: Coppermine, NT

Monitoring Nesting Success of Coppermine Gyrfalcons

Raptors, Gyrfalcon

The researcher determined the number of nesting pairs of raptors and banded and measured young gyrfalcons.

300 Wildlife

Smith, Roger F.

Flight Lieutenant
Bagers, Bashurst Copse
Itchingfield, Horsham
Sussex, United Kingdom RH13 7NZ

Reference #: 1012

Year of Research: 05/01/1994

Region: BA Location: Ellesmere Island

Observation Bird Surveys

Birds

The researcher conducted a survey of bird species present, densities, phenology, time-budget, and an entomological study. Vegetation was compared between slopes.

301 Wildlife

Solberg, John W.

Biologist

US Fish and Wildlife Service

MBMO Box 1887

Klamath Falls, OR 97601

Reference #: 1081

Year of Research: 08/03/1994

Region: FS Location: Mills Lake

Western Canada Cooperative Waterfowl Banding Program

Waterfowl, Ducks

4500 waterfowl were banded at Mills Lake using bait traps.

302 Wildlife

Stirling, Ian

Research Scientist

Canadian Wildlife Service

5312 - 122 Street

Edmonton, AB T6H 3S5

Reference #: 1059

Year of Research: 04/01/1994

Region: IN Location: Eastern Beaufort, Sachs Harbour, Mould Bay

Seasonal Movements and Abundance of Polar Bears

Polar Bears

Abundance of polar bears in the area was estimated between the west coast of Banks Island and Prince Patrick Island.

Bears were marked with dye after immobilization.

303 Wildlife

Storm, Ilya

Foxe Basin Project

Box 2097

Banff, AB T0L 0C0

Reference #: 1099

Year of Research: 07/04/1994

Region: BA Location: Foxe Basin, Baffin Island, White Is. Vansittart Is, Frozen St.

Avifaunal Survey of Lesser Known Areas of Foxe Basin, NT.

Birds, Shorebirds, gulls

Abundance and distribution of the bird species was mapped, long term monitoring was recommended and contributed to natural history base using plot census techniques.

304 Wildlife

Taylor, Mitchell

Polar Bear Biologist
Renewable Resources
600-5102-50 Ave
Yellowknife, NT X1A 3S8

Reference #: 1056

Year of Research: 04/05/1994

Region: BA Location: Eastern Arctic

Inventory of High Arctic/Baffin Bay Polar Bear Populations

Polar Bears

The boundaries of polar bear populations was identified by satellite telemetry. The ground based work was recorded for conservation education materials.

305 Wildlife

Voelzer, James

Flyway Biologist
US Fish and Wildlife
911 NE 11 Ave 97232-4141
Portland, Oregon 97232

Reference #: 1071

Year of Research: 05/01/1994

Region: FS, IN Location: Mackenzie River Drainage

Cooperative US/Canadian Waterfowl Population Surveys

Waterfowl, Ducks, Geese

The size and species composition of the breeding population of ducks and other waterfowl was determined in the Mackenzie River Drainage.

306 Wildlife

Williams, Mark

A/Caribou Biologist
Renewable Resources
600-5102-50 Ave
Yellowknife, NT X1A 3S8

Reference #: 1019

Year of Research: 03/01/1994

Region: IN, KI Location: Bathurst Caribou Range

Ecological Factors that Influence Population Dynamics of the Herd

Caribou

Ground and aerial classification counts were done on the Bathurst caribou range and samples of hunter killed caribou were collected.

307 Wildlife

Williams, Mark

A/Caribou Biologist
Renewable Resources
600-5102-50 Ave
Yellowknife, NT X1A 3S8

Reference #: 1022

Year of Research: 03/01/1994

Region: FS Location: Beverly Caribou Range

Wildlife Management Studies on the Beverly Caribou Herd

Caribou

The researcher performed ground and aerial classification counts of Beverly caribou herd, photographic calving ground census, and collected specimens from hunter kills.

308 Wildlife

Williams, Mark

A/Caribou Biologist
Renewable Resources
600-5102-50 Ave
Yellowknife, NT X1A 3S8

Reference #: 1020

Year of Research: 03/21/1994

Region: KE Location: Qamanirjuaq caribou range

Conduct Classification Counts of the Herd in March

Caribou

Classification counts were conducted and specimens collected from hunter killed caribou and attached 1 satellite collar.

309 Wildlife

Williams, Mark

A/Caribou Biologist
Renewable Resources
600-5102-50 Ave
Yellowknife, NT X1A 3S8

Reference #: 1021

Year of Research: 06/01/1994

Region: KE Location: Qamanirjuaq herd range

Photographic Census of the Qamanirjuaq Calving Ground

Caribou

The calving ground was photographed in spring and specimens were collected from hunter kills or dead or dying caribou located during the study.

310 Wildlife

Wissink, Renne

Chief Park Warden

Ellesmere National Park

Box 353

Pangnirtung, NT X0A 0R0

Reference #: 1112

Year of Research: 08/01/1994

Region: BA Location: Ellesmere Island

Ellesmere Island National Park Service Wildlife Study

Caribou, Wolves

Seasonal movements of wildlife on Ellesmere Island, and annual fidelity to seasonal ranges was determined. The researcher delineated population boundaries, and identified critical seasonal habitats.

Researcher Index

This alphabetical list (by last name) is of researchers licenced by one of the three agencies during 1994. The number beside the name of a researcher is the reference code (not page number) used in this book.

| | | | |
|-----|------------------------|-----|-----------------------|
| 143 | Adkins, Gary | 011 | Couture, Richard D. |
| 224 | Alisauskas, Ray | 012 | Couture, Richard D. |
| 225 | Alisauskas, Ray | 232 | Croft, Bruno |
| 180 | Allen, Wayne E. | 206 | Dawson, Peter Colin |
| 181 | Andrews, Tom | 013 | De Groot, Bill |
| 202 | Andrews, Thomas | 014 | Den Dulk, Jan |
| 203 | Andrews, Thomas | 233 | Dickson, Lynne |
| 058 | Anglin, C.D. | 063 | Dixon, James |
| 059 | Arne, Dennis C. | 146 | Dorais, Louis-Jacques |
| 001 | Ash, Gary R. | 147 | Douglas, Anne |
| 002 | Ashton, Sandra | 234 | Elkin, Brett |
| 204 | Auger, Reginald | 235 | Elkin, Brett |
| 003 | Babaluk, John | 236 | Elkin, Brett |
| 048 | Basinger, James F. | 237 | Elkin, Brett |
| 060 | Beauchamp, Benoit | 238 | Elkin, Brett |
| 226 | Beaudoin, Thomas | 148 | Elliot, Nancy |
| 182 | Bill, Lea | 104 | Engebretson, Mark |
| 061 | Bleeker, Wouter | 105 | English, Michael |
| 100 | Bocking, Stephen | 106 | English, Michael |
| 144 | Bone, Robert M. | 239 | Engstrom, Mark D. |
| 145 | Bone, Robert M. | 015 | Evans, Marlene S. |
| 004 | Bong, Tom D. | 149 | Everest, Carmen |
| 062 | Boyes, Donald M. | 184 | Fajber, Elizabeth |
| 101 | Bradley, Raymond S. | 107 | Falkner, Kelly K. |
| 227 | Bradley, Mark | 240 | Ferguson, Mike |
| 228 | Bradley, Mark | 241 | Ferguson, Mike |
| 229 | Bromley, Robert | 016 | Finley, K.J. |
| 230 | Bromley, Robert | 090 | Fleming, Brian |
| 086 | Brown, Thomas | 185 | Fleming, Brian |
| 102 | Burn, C.R. | 017 | Fortier, Louis |
| 205 | Bussey, Jean | 186 | Freeman, Milton M.R. |
| 049 | Butterfield, N.J. | 051 | Gagnier, Pierre-Yves |
| 231 | Caswell, Dale | 108 | Gajewski, Konrad |
| 087 | Chamberlain, Marie | 109 | Gan, Thian Yew |
| 042 | Chan, L.H.M. | 052 | Gardner, James D. |
| 088 | Chan, L.H.M. | 242 | Gaston, Anthony |
| 050 | Chatterton, Brian D.E. | 243 | Gates, Cormack |
| 089 | Christensen, Jill | 244 | Gates, Cormack |
| 005 | Clayton, Terry | 245 | Gates, Cormack |
| 183 | Cockcroft, Toby R.G. | 246 | Gauthier, Gilles |
| 006 | Conlan, Kathleen E. | 018 | Gerrits, Martin |
| 007 | Copland, Elizabeth | 019 | Gillespie, L.J. |
| 008 | Copland, Ian | 150 | Goehring, Brian |
| 009 | Copland, Ian | 187 | Gombay, Nicole |
| 010 | Cosens, Sue | 064 | Good, Ron |
| 103 | Cota, Glenn | 020 | Gould, William |

| | | | |
|-----|-----------------------------------|-----|----------------------|
| 151 | Gouttenoire, Veronique | 073 | Kettles, Inez |
| 065 | Gray, James T. | 074 | King, Roger H. |
| 152 | Gray, Dyan | 192 | King, Jonathan |
| 247 | Greenberg, Russell S. | 075 | Kjarsgaard, Bruce A. |
| 207 | Greer, Shiela | 157 | Kofinas, Gary |
| 043 | Gregor, Dennis J. | 119 | Koudys, Al |
| 066 | Groat, Lee A. | 210 | Kowal, Walt |
| 153 | Hagg, Richard | 094 | Kowerchuk, Kathryn |
| 091 | Hall, Barbara | 257 | Krebs, Charles |
| 248 | Hancock, David | 193 | Kritsch, Ingrid |
| 044 | Harbicht, Stephen | 194 | Kritsch, Ingrid D. |
| 053 | Harington, C.R. | 095 | Kuhnlein, Harriet V. |
| 092 | Harris, Ronald W. | 158 | Kulchyski, Peter |
| 188 | Hart, Elisa | 258 | Kyle, G. A. |
| 110 | Hartshorn, James | 076 | Lambert, M.B. |
| 021 | Hebert, Paul D.N. | 259 | Larter, Nicholas |
| 208 | Helmer, James; LeMoine, Genevieve | 260 | Larter, Nicholas |
| 067 | Henderson, J.R. | 261 | Latour, Paul |
| 189 | Henderson, Lyle | 262 | Latour, Paul |
| 209 | Henderson, Lyle | 263 | Laurion, Thomas R. |
| 022 | Henry, Greg | 120 | Ledrew, Ellsworth |
| 023 | Henry, Greg | 264 | Lee, John |
| 045 | Hermanson, Mark | 265 | Lee, John |
| 093 | Hessel, Patrick A. | 195 | Legat, Allice |
| 111 | Hicks, Faye E. | 121 | Lehn, W.H. |
| 112 | Hill, Philip R. | 056 | Lenz, Alfred C. |
| 249 | Hines, Jim | 057 | LePage, Ben A. |
| 250 | Hines, Jim | 024 | Lesack, Lance |
| 251 | Hines, Jim | 159 | Lescanec, Heidi |
| 252 | Hines, Jim | 122 | Lewkowicz, Antoni G. |
| 068 | Hogarth, D.D. | 160 | Longworth, Bob |
| 069 | Hrabi, Blair | 123 | Lusk, Barry M. |
| 113 | Hudak, Dave | 211 | MacDonald, John |
| 070 | Irwin, Doug | 124 | Mackay, J.R. |
| 154 | Jackson, Mame | 266 | Maclean, Norm |
| 114 | Jacobs, John D. | 267 | Maclean, Norm |
| 115 | Jacoby, Gordon C. | 161 | Manga, Louise |
| 190 | Jaunzems, Leah T. | 125 | Marsh, Philip |
| 155 | Johns, Arlene E. | 268 | Matthews, Steve |
| 054 | Johnston, Paul A. | 162 | McCann, Doris |
| 071 | Johnstone, Robert | 163 | McCreadie, Mary |
| 253 | Johnstone, Robin | 025 | McCrory, Wayne |
| 254 | Johnstone, Robin | 164 | McElroy, Ann P. |
| 055 | Kah, Linda C. | 212 | McGhee, Robert |
| 255 | Kay, David | 165 | McNeal, Joanne |
| 191 | Keillor, Elaine | 270 | Mech, David |
| 156 | Keith, Robbie | 126 | Melling, Humfrey |
| 116 | Kelly, John D. | 127 | Miller, Gifford H. |
| 256 | Kerchaw, Peter | 269 | Miller, Frank |
| 072 | Kerr, Dan | 096 | Moore, Jan Allison |
| 117 | Kershaw, G.P. | 128 | Moorman, Brian |
| 118 | Kershaw, G.P. | 026 | Morewood, Dean |

- | | | | |
|-----|---------------------|-----|----------------------------|
| 271 | Morrison, RIG | 214 | Rowley, Susan |
| 272 | Mulders, Robert | 172 | Saladin d'Anglure, Bernard |
| 273 | Mulders, Robert | 215 | Savelle, James |
| 166 | Nadeau, Dorothy Rae | 133 | Schunke, Ekkehard |
| 274 | Nagy, John | 081 | Scott, David J. |
| 275 | Nagy, John | 199 | Searles, Ned |
| 129 | Narbonne, Guy | 098 | Seddon, Laura |
| 130 | Narbonne, Guy | 173 | Seddon, Laura |
| 131 | Newitt, Lawrence R. | 046 | Semkin, Raymond |
| 276 | Nishi, John | 297 | Shank, Christopher |
| 277 | Nishi, John | 298 | Shank, Christopher |
| 278 | Nishi, John | 299 | Shank, Christopher |
| 279 | Nishi, John | 134 | Sharp, Martin |
| 280 | Nishi, John | 034 | Sheath, Robert |
| 281 | Nishi, John | 099 | Shotton, Robert |
| 282 | Nishi, John | 035 | Sitinvar, Andreasi |
| 283 | Nishi, John | 036 | Smith, Thomas |
| 284 | Nishi, John | 135 | Smith, Rod |
| 285 | Nishi, John | 136 | Smith, Roger F. |
| 077 | Nixon, Mark | 216 | Smith, Roger F. |
| 097 | Norwich, Ed | 300 | Smith, Roger F. |
| 286 | Obst, Joachim | 137 | Smol, John P. |
| 027 | Osawa, Akira | 138 | Sofko, George J. |
| 167 | Osted, Peter F. | 301 | Solberg, John W. |
| 078 | Pehrsson, Sally | 139 | Solomon, Steven |
| 028 | Pelletier, Clem | 174 | Sprecher, Brent |
| 196 | Peplinski, Lynn | 175 | Standefer, Roma |
| 029 | Perin, Sofia | 217 | Stenton, Douglas |
| 213 | Petch, Virginia | 218 | Stenton, Douglas |
| 079 | Peterson, Tony D. | 219 | Stenton, Douglas |
| 132 | Pollard, Wayne | 037 | Stevenson, John |
| 287 | Poole, Kim | 302 | Stirling, Ian |
| 288 | Poole, Kim | 303 | Storm, Ilya |
| 289 | Poole, Kim | 082 | Stubley, Michael |
| 290 | Prosper, Rob | 038 | Suluk, Thomas |
| 291 | Ramsay, Malcolm | 220 | Sutherland, Patricia |
| 292 | Ramsay, Malcolm | 039 | Svoboda, Josef |
| 030 | Reed, Shawna | 200 | Takeno, Atsushi |
| 031 | Reed, Shawna | 083 | Tarnocai, Charles |
| 032 | Reed, Shawna | 304 | Taylor, Mitchell |
| 293 | Reed, Austin | 084 | Tella, S. |
| 294 | Reed, Shawna | 085 | Thompson, Peter H. |
| 295 | Reed, Shawna | 176 | Tuchak, Tamara |
| 033 | Reimer, K.J. | 047 | Usher, Peter J. |
| 296 | Reimer, Ken | 040 | Vincent, W.F. |
| 080 | Relf, Carolyn | 305 | Voelzer, James |
| 197 | Ris, Mats | 140 | Washburn, A.L. |
| 198 | Rodin, Rachel | 201 | Webster, Deborah |
| 168 | Rodon, Thierry | 221 | Webster, Deborah |
| 169 | Rodriguez, Marisol | 222 | Webster, Deborah |
| 170 | Rose, Martha | 041 | Wein, Ross |
| 171 | Rowley, Susan | 177 | Wenzel, George W. |

| | |
|-----|--------------------|
| 141 | Wescott, E.M. |
| 223 | Whitridge, Peter |
| 306 | Williams, Mark |
| 307 | Williams, Mark |
| 308 | Williams, Mark |
| 309 | Williams, Mark |
| 310 | Wissink, Renne |
| 142 | Woo, Ming-ko |
| 178 | Woodman, David |
| 179 | Woodward, Shalleen |

Regional Index

BA - Baffin
IN - Inuvik
KI - Kitikmeot

FS - Fort Smith
KE - Keewatin
NWT - All regions

Please note that some research projects took place in more than one region. It is important, therefore, to check the references to other regions when doing a search on a specific region. The reference number shown refers to the reference code given for this text and does not refer to page number.

Science Institute of the NWT

| Ref # | Region | Research Title |
|-------|--------|--|
| 006 | BA | Ice Scour Disturbance and the Structure of Arctic Marine Benthic Communities |
| 010 | BA | Abundance and Distribution of Bowhead Whales in Foxe Basin |
| 014 | BA | Hydrological Investigations into the Fate of Sewage Infiltration - An Arctic Example |
| 016 | BA | Baffin Bowhead Monitoring Station, Igalirtuuq |
| 017 | BA | From ice algae to sediments in the frozen arctic seas: the contribution of direct sedimentation and zooplankton grazing on the vertical flux of carbon |
| 018 | BA | Metabolism of Arctic Fish and Invertebrates |
| 019 | BA,KI | Hybridization in Arctic Grasses: Evidence From Chloroplast and Nuclear DNA. |
| 021 | BA | Distribution, Systematics and Genetic Structure of Arctic Zooplankton |
| 022 | BA | Responses of Circumpolar Plant Species and Their Communities to Simulated Climate Change |
| 026 | BA | Temperature relations and interactions of arctic woolly-bear caterpillars and their insect parasitoids |
| 029 | BA | The Effects of UV-B Radiation on the Community of Arctic Lakes |
| 034 | BA | Distribution and Physiological Adaptions of Stream Macroalgae in the High Arctic |
| 036 | BA | Behavioural and Physiological Studies of Belguia Whales and Narwhal in the High Arctic |
| 039 | BA | 1. Initial Phase of Primary Succession Following Glacial Retreat 2. Secondary Metabolites in Arctic Willow 3. Photosynthesis and Respiration in Blue-Green Algae 4. Revegetation of Snow / Ice Landscapes During Lt. Ice Age 5. Monitoring of ITEX |

| Ref # | Region | Research Title |
|--------------|---------------|--|
| 040 | BA | UV-B Impacts on the Microbial Food Web in High Arctic Freshwater Ecosystems |
| 043 | BA | Contaminant deposition measurements in precipitation in the NWT |
| 044 | BA | The Extent and Pattern of Historical Ocean Disposal in Iqualuit, Brewer Bay, Cape Dyer and Cape Hooper |
| 045 | BA | Organochlorine Industrial Compounds, Pesticides and Mercury in Fish from the Belcher Islands Region, NWT, Canada |
| 046 | BA | Amituk Lake: Trace Organic Contaminants in an Arctic Aquatic System |
| 048 | BA | Early Land Plants from 400 million year old Rocks of Bathurst Island |
| 050 | BA | Trilobite Systematics and Event Stratigraphy of the Paleozoic |
| 051 | BA | Palaeozoic Microvertebrate Biochronology |
| 052 | BA | Permo-Triassic Vertebrates from Axel Heiberg and Ellesmere Islands, NWT |
| 053 | BA | Biostratigraphy of a Tertiary Vertebrate Locality on Strathcona Fiord Ellesmere Island |
| 054 | BA | Silurian and Devonian Faunas - Arctic Canada |
| 055 | BA | Carbonate precipitation in the Mesoproterozoic Society Cliffs Formation, Bylot Supergroup, on northern Baffin Island |
| 056 | BA | Taxonomic and Biostratigraphic Studies of Silurian (about 400,000,000 years ago) Graptolites (extinct organisms) and Radiolaria (micro-organisms) of Central Arctic Islands. |
| 057 | BA | Permian Plants of Axel Heiberg and Ellesmere Islands, Canadian Arctic Archipelago |
| 058 | BA | Mineral and Energy Resource Assessment and the Northern Bathurst Island Area |
| 059 | BA | Thermal and tectonic history of the Sverdrup Basin and Franklinian Mobile Belt, Canadian Arctic Archipelago |
| 060 | BA | Upper Palaeozoic Basin Analysis of Sverdrup Basin Canadian Arctic |
| 065 | BA | Glacial Geomorphological Field Mapping on Akpatok Island, Resolution Island and Button Islands |
| 068 | BA | Petrology, Mineralogy and Structural Geology of Martin Frobisher's Ores |
| 074 | BA | The Study of Environmental Change, Truelove Lowland, Devon Island, NT |
| 076 | BA | Archean Felsic Volcanic Complex Near Regan Lake, District of the Mackenzie, NWT |
| 086 | BA | Evaluation of Treatment for Inuit Substance Abusers |

| Ref # | Region | Research Title |
|--------------|---------------|--|
| 088 | BA | Assessment of Effects of Preparation on Levels of Organic Contaminants in Inuit Traditional Food |
| 090 | BA | Sanikiluaq Traditional Food Study |
| 099 | BA | Joint management of health care in the NWT: The Baffin Regional Health Board |
| 101 | BA | Laminated lake sediments from the Canadian high arctic |
| 103 | BA | Remote Sensing of Ocean Colour in the High Arctic |
| 104 | BA, KI | Magnetometer array for cusp and cleft studies (MACCS) |
| 105 | BA | Hydrology and geochemistry of a high arctic lake basin: Colour Lake, Axel Heiberg Island, NWT |
| 106 | BA | Climatic Variability and Hunting and Trapping Success in the Pond Inlet Region |
| 108 | BA | Modern Pollen Deposition On Western Devon Island |
| 109 | BA | Estimating areal snow water equivalent of the NWT using passive microwave data |
| 110 | BA | High Arctic Debris Flow Activity in the Sawtooth Mountains, Ellesmere Island, NWT, Canada |
| 114 | BA | Climate studies at remote sites in Baffin Island |
| 116 | BA | Early polar cap observations |
| 120 | BA | A seasonal sea ice monitoring and modelling site |
| 121 | BA, IN | Polar Atmospheric Refraction |
| 122 | BA | Impact of Climatic Change on Earth Surface Processes, Fosheim Peninsula, Ellesmere Island |
| 127 | BA | Late Quaternary Glacial and Climate History on Southern Baffin Island |
| 128 | BA | Geophysical and geochemical investigations of massive ground ice |
| 129 | BA | Mesoproterozoic Reefs and Associated Strata, Bordon Peninsula, Baffin Island |
| 131 | BA | North Magnetic Pole Relocation |
| 132 | BA | Holocene Sea Level History and Ground Ice Occurrence in the High Arctic |
| 134 | BA | Dynamics and Hydrology of a high arctic glacier: John Evans Glacier, Ellesmere Island |
| 135 | BA | Testing for Pre-Holocene Lacustrine Sediments in the Canadian High Arctic |
| 136 | BA | Joint services expedition to the Blue Mountains, Ellesmere Island |

| Ref # | Region | Research Title |
|--------------|---------------|--|
| 137 | BA | Study of bio-indicators of environmental change in arctic lakes |
| 140 | BA | Multi-year study of high arctic periglacial processes and related quaternary history |
| 142 | BA | Hydrological Modelling for a Permafrost Site and Arctic Snow Accumulation and Melt |
| 146 | BA | Discourse Practices in the Baffin Region |
| 147 | BA | Shaping the institution of formal schooling to the needs of an Inuit community: a case study of Arctic Bay |
| 148 | BA | Origins, Development and Future of World Heritage in Canada |
| 149 | BA | Renewable Resource Policies in Nunavut: Relevancy Under a Changing Climate |
| 151 | BA | Kinship and Names in Inuit Culture: Likeness Between Peoples of the Same Family |
| 154 | BA | Preliminary Planning for Arctic Field Course |
| 160 | BA | Impacts and Benefits of Baffin Parks |
| 161 | BA | Acquisition of Specificity in Inuktitut; Phrase Structure and Functional Categories in Inuktitut |
| 164 | BA | Ethnographic Study of the History and Psychology Impact of Modernization on Baffin Island Inuit. |
| 168 | BA | Co-management and Political Autonomy of Aboriginal Peoples of Canada |
| 170 | BA | The relationship and role of economic development activities in the Baffin region (NWT) to Third World initiatives |
| 171 | BA | The History of Igloolik |
| 172 | BA | Inuit Political and Religious Leaders in the Traditional and Contemporary Worlds |
| 175 | BA | The impact of television on northern native communities |
| 177 | BA | Inuit subsistence in the 1990's: Harvesting, land use and society at Clyde River |
| 183 | BA | Native exogenesis of contemporary and traditional Inuit folklore and mythology |
| 185 | BA | Traditional Knowledge Study of the Beluga Whale in Belcher Islands |
| 187 | BA | Collection of traditional knowledge in the context of Nunavut |
| 190 | BA | Self-conceptions of elderly Inuit |
| 192 | BA | Native clothing of the North American Arctic: Igloolik clothing |
| 196 | BA | South Baffin Place Names Project |

| Ref # | Region | Research Title |
|-------|--------|---|
| 198 | BA | Inuit ecological knowledge as expressed through place names in the arctic |
| 199 | BA | History of the outpost camps of Frobisher Bay |
| 201 | BA,IN | Mirages: The secrets of Ancient Ruins |
| 002 | FS | Bear Habitat Use Research Study |
| 004 | FS | Basin - Wide Fall Burbot Collection |
| 011 | FS | Environmental Study of the Aquatic Resources of the Thonokeid Lake Area |
| 012 | FS | Environmental Study of the Aquatic Resources of the Thonokeid Lake Area |
| 015 | FS | Persistent organic contaminants in the Great Slave Lake Ecosystem |
| 025 | FS | Bear Hazard Assessment in the Rabbitkettle Lake Area of Nahanni National Park Reserve |
| 027 | FS,IN | Jack Pine Forest Research |
| 028 | FS | Environmental Studies of the Aquatic Resources in the Lac de Gras Area. |
| 030 | FS | Environmental Studies of the Aquatic Resources in the Prairie Creek Area |
| 031 | FS | Habitat Utilization and Fish Community Structure in the Snare River |
| 042 | FS | Estimation of the risk to the inhabitants of Fort Resolution of renal impairment related to the long-term consumption of traditional food contaminated by environmental cadmium |
| 061 | FS | Thematic Structural Studies in the Slave Province |
| 066 | FS | Granitic Pegmatites of the Canadian Cordillera |
| 069 | FS | Detailed Bedrock Mapping in the Winter Lake Supracrustal Belt |
| 071 | FS | Geology and Mineral Potential of the Camsell Lake - Mackay Lake Area. |
| 075 | FS | Detailed Bedrock Mapping, North East Quadrant of the Lac de Gras Sheet |
| 078 | FS | Detailed Bedrock Mapping in the Indin Lake Area |
| 082 | FS | Geology of the Nardin Lake Area, South-Central Slave Province |
| 085 | FS | Regional Bedrock Mapping of the Winter Lake - Lac de Gras Area. |
| 089 | FS | Dietary study of the Yellowknives Dene Band: Yellowknife Back Bay Project |
| 094 | FS | Factors affecting "no-shows" for the Orthopaedic Medical Clinic at a 135-bed primary acute care facility in the NWT |

| Ref # | Region | Research Title |
|-------|----------|---|
| 098 | FS,KI | Human Contaminant Trends in Arctic Canada (Cord Blood Monitoring) |
| 111 | FS | Freeze up and breakup observations on the Mackenzie River near Fort Providence |
| 138 | FS,KE,IN | High Latitude studies of the Ionosphere E-region Using the Sapphire North Radar System |
| 141 | FS | Shaped change injection of field-aligned barium and calcium plasma to investigate the physics of Mass-dependent ion acceleration |
| 143 | FS | NWT Teen Perspectives on Social Issues |
| 152 | FS | An application and Evaluation of Parks Canada's Visitor Risk Assessment Model in a Northern Canadian National Park - the Case of Nahanni Park |
| 155 | FS | A case study of grade 12 native students in a Northwest Territories high school |
| 158 | FS,IN,BA | Aboriginal self-government in Canada's NWT |
| 159 | FS | The Dene Cultural Institute |
| 166 | FS | Needs Assessment to Improve Service Delivery to Blind and Visually Impaired Aboriginal People: A pilot Project. |
| 174 | FS | An evaluation of water management studies and their application to policy development in the Mackenzie Delta |
| 182 | FS | Northern River Basins Study Traditional Knowledge Documentation Project |
| 184 | FS | Traditional Healing in Fort Simpson |
| 191 | FS | Dogrib Music-Making Documentation and Its Relationship to Dene Musical Expressions |
| 195 | FS | Rae Lakes Traditional Governance Project |
| 003 | IN | Banks Island Fish Populations / Char Genetic Variation Project |
| 013 | IN | Prescribed Fire and Wildlife Habitat Enhancement |
| 023 | IN | Ecological Studies Along the Gradient From Subarctic Forest to Tundra |
| 024 | IN | Biogeochemistry of Lakes in the Mackenzie Delta |
| 033 | IN,KI,BA | Environmental Study of Abandoned DEW Line Sites |
| 041 | IN | Forest and Forest Fire Studies in the Mackenzie Delta Ecosystem |
| 047 | IN,BA,KE | Meeting the Information Needs of Inuit Regarding Contaminants |
| 049 | IN | Burgess Shale - Type Fossils in the Mackenzie and Franklin Mountains |

| Ref # | Region | Research Title |
|--------------|---------------|--|
| 062 | IN | Geomorphologic and Hydrologic Analysis of Surface Features of the Mackenzie Delta, NT Using Spacial Image Analysis |
| 063 | IN | Stratigraphic and Sedimentology of Carboniferous to Triassic Strata |
| 064 | IN | Geotechnical Properties / Electrical Methods Development |
| 073 | IN | Peatland - Permafrost Mapping and Environmental Implications |
| 077 | IN,FS | Active Layer Monitoring Network in the Mackenzie Valley. |
| 081 | IN | Reconnaissance U-Pb geochronology, Southern Baffin Island |
| 083 | IN | Soil Climates of the Mackenzie Valley |
| 093 | IN | Lung health in Deline (Fort Franklin), NWT |
| 095 | IN,FS | Variance in food use in Dene/Metis Communities |
| 097 | IN,FS | Comparison of costs of health services provided in the Inuvik region: preparation for future oil and gas development |
| 100 | IN,FS | Royal Society evaluation of aquatic in the Mackenzie Basin |
| 102 | IN | Investigation of ground ice development in sediments of the Mackenzie Delta area |
| 107 | IN | Tracking arctic river water by geochemical means: Mackenzie Delta case study |
| 112 | IN | Coastal evolution and sedimentary processes in the Mackenzie Delta and Tuktoyaktuk Peninsula region |
| 113 | IN | BASE - Beaufort and Arctic Storms Experiment |
| 115 | IN | Derivation and Analysis of Climatic Information from Tree Rings |
| 117 | IN | Ecological and geomorphological investigations in the alpine tundra of the western Mackenzie Mountains |
| 118 | IN | Studies of the Environmental Effects of Disturbances in the Subarctic |
| 124 | IN | Permafrost studies: Western Arctic Coast |
| 125 | IN | Snow Accumulation, Melt, Runoff and Chemistry in High Latitude Permafrost Basins |
| 126 | IN | Ice thickness Topography Study - Beaufort Sea |
| 130 | IN | Palaeontology and Sedimentology of Late Proterozoic Reefs, Mackenzie Mountains, NWT |

| Ref # | Region | Research Title |
|-------|-------------|--|
| 133 | IN | Geomorphological and hydrological research on valley formation in arctic and subarctic environments |
| 139 | IN | The Coastal Impacts of Climatic Change |
| 144 | IN | The impact of the Inuvialuit Final Agreement on the Inuvialuit |
| 145 | IN,FS | Effects of global warming on settlements and non-renewable resource development in the Mackenzie Basin to the year 2050 |
| 153 | IN | Management of Northern Rivers For Recreation: An Assessment of Carrying Capacity and Management Strategies For the Mountain and Keele River Systems in the Sahtu Region, NWT |
| 156 | IN | Implementing the Environmental Assessment Provisions of Comprehensive Aboriginal Land Claim Settlements |
| 157 | IN | Community Development in Porcupine Caribou Co-management |
| 163 | IN,BA,FS,KE | Adolescent girls in the NWT: academic preparation and career planning |
| 165 | IN | Western Arctic Women Artists |
| 167 | IN,FS | The function of the Community Education Council as a conduit of information between the community and the Divisional Board of Education |
| 169 | IN | Process of musical transculturation among Inuvialuit of the Mackenzie Delta |
| 180 | IN | Dene subsistence practices in the Canadian Subarctic: long-term sustainability or short-term exploitation? |
| 181 | IN | Martin Zheh Ethnoarchaeology Project |
| 186 | IN | The Broad Whitefish Traditional Ecological Knowledge Study |
| 188 | IN | Tuktoyaktuk Traditional Knowledge Project |
| 193 | IN | Campbell Lake Park Oral History Project |
| 194 | IN | Gwichya Gwich'in Place Names Project (Phase 3) |
| 197 | IN | The Role of Traditional Knowledge in Inuvialuit Marine Mammal Management |
| 007 | KE | Qualitative Assessment of Local Terrestrial Plants and Identification of Potential Commercial Uses |
| 008 | KE | Assessment of Seaweed Species in the Whale Cove Area |
| 009 | KE | Phase 3 - Seaweed Commercialization Project: To Inventory and Test Harvest Seaweeds Found in the Whale Cove Area. |

| Ref # | Region | Research Title |
|-------|--------|---|
| 035 | KE | Test Commercial Arctic Char Fishery at Gore Bay, Repulse Bay. |
| 038 | KE | Maguse River Char Conservation Plan: Subsistence Harvest Survey |
| 070 | KE | Preliminary Geology and Mineral Potential of the Kaminak Lake Area |
| 079 | KE | The Dubawnt Super Group |
| 084 | KE | Regional Bedrock Mapping Studies in the District of Keewatin |
| 087 | KE | Evaluation of the Birthing Project in Rankin Inlet, NWT |
| 162 | KE,BA | Factors that Motivate Inuit Tradesmen to Complete Trade Apprenticeships |
| 176 | KE | Inuit women entrepreneurs: building sustainable small business |
| 189 | KE | Arviaq and Maguse River mapping and oral history project |
| 201 | KE | Itimnik Oral History Research Project |
| 001 | KI | Fisheries Reconnaissance Survey of Streams to be Crossed by the Proposed Izok Lake - Coronation Gulf Road |
| 005 | KI | Lake Trout Movements in Contwoyto Lake |
| 020 | KI | Species, Vegetation, and Spectral Diversity of an Arctic Riparian Ecosystem |
| 032 | KI | Environmental Studies of the Aquatic Resources of Spyder Lake |
| 037 | KI | Inshore Fishery Assessment and Training |
| 067 | KI | Geology of the High Lake Greenstone Belt |
| 072 | KI | Quaternary geology of the Point Lake and Contwoyto Lake |
| 080 | KI | Geological Mapping of the Avialik River Volcanic Belt |
| 096 | KI | Environmental factors affecting conductive hearing loss in Inuit children |
| 119 | KI | Arctic Hydrographic and Gravity Survey |
| 123 | KI | Hydrographic surveys: Canada's Western Arctic |
| 150 | KI | Inuit employment mobility study, Kitikmeot Region, NWT |
| 178 | KI | Project Supunger |
| 091 | NWT | A determination of factors influencing the health, knowledge, skills, attitudes and behaviours of children and youth in the Northwest Territories |

| Ref # | Region | Research Title |
|-------|--------|--|
| 092 | NWT | Factors predictive of long-term tenure in the recruitment of nurses for community health centre setting in the NWT |
| 173 | NWT | Survey of NWT Research Activities Conducted in 1993 |
| 179 | NWT | NWT community organization wage and benefit survey |

Prince of Wales Northern Heritage Centre

| | | |
|-----|----|---|
| 204 | BA | Archaeology of the 1577-78 Martin Frobisher Base Camp on Kodlunarn Island and related mine sites in Frobisher Bay |
| 206 | BA | Bathurst Island Archaeology Project |
| 208 | BA | 1994 McDougall Sound Archaeology Project |
| 212 | BA | Resolute Bay Archaeology Project |
| 214 | BA | Igloodik Archaeology Field School |
| 215 | BA | Thule Whaling Project |
| 216 | BA | Archaeological survey of the Mountain Area, Ellesmere Island |
| 217 | BA | Archaeological Reconnaissance: North Baffin National Park Reserve |
| 218 | BA | Tungatsivvik Archaeology Project |
| 219 | BA | Mallikjuak Island Park Development |
| 223 | BA | Mount Oliver Thule Archaeology project |
| 202 | FS | Hosi Deh (Barrenlands River) Heritage Resource Inventory |
| 203 | FS | Drybones Bay Heritage Resource Inventory |
| 207 | IN | Tsiigetnjik Ethnoarchaeology Project |
| 220 | IN | Richards Island Archaeological Project |
| 222 | IN | Thomsen River Survey |
| 209 | KE | Arviaq Mapping and Oral History Project |
| 213 | KE | Traditional land use of the Sayisi-dene from pre-contact to contact to present |
| 221 | KE | Itimnik Research Project |
| 205 | KI | BHP Minerals Canada Ltd., NWT Diamonds |

Ref # Region Research Title

210 KI Project Supunger

211 KI Franklin Survey Expedition

Department of Renewable Resources

239 BA Speciation and Historical Biogeography of collared lemmings in NA

240 BA Life history of caribou on Baffin Island

241 BA Caribou winter population ecology study

246 BA Breeding ecology of Greater Snow Geese

261 BA Assessment of Creswell Bay for future protected area designation

269 BA Peary Caribou Conservation

270 BA Wolf behaviour and Ecology

271 BA Studies of the migration, ecophysiology and energetics of shorebirds

291 BA Retention rate of the immobilizing drug Telazol in the tissue of Polar

292 BA Kinetics of PCBs and DDE in the adipose tissue and milk of Polar bears

293 BA The Breeding ecology of Greater Snow Geese on Bylot Island

300 BA Observation Bird Surveys

303 BA Avifaunal survey of lesser known areas of Foxe Basin, NT.

304 BA Inventory of high Arctic/Baffin Bay polar bear populations

310 BA Ellesmere Island National Park Service Wildlife Study

227 FS Fort Providence Moose Study

228 FS Fire, Fur, Moose

232 FS, KI Nutrients of Canada geese nesting in the central Canadian Arctic

234 FS A survey of disease, parasites and environmental contaminants in Caribou

| Ref # | Region | Research Title |
|--------------|---------------|---|
| 236 | FS, IN | Organochlorine and heavy metal contaminants in fish-eating furbearers |
| 243 | FS | Slave River lowlands bison population studies |
| 244 | FS | Vaccination of adult male bison |
| 245 | FS | Summer forage selection strategies of bison |
| 247 | FS | Comparison of boreal forest bird communities in Siberia and Canada |
| 250 | FS | Abundance and productivity of waterfowl breeding in the boreal forest |
| 252 | FS | Factors influencing distribution and abundance of the spruce grouse |
| 262 | FS | Assessment of Mills Lake as a staging area for geese and ducks |
| 268 | FS | An investigation of the Tundra Ecosystem |
| 287 | FS, IN | Lynx and Marten Carcass collections |
| 288 | FS | Mackenzie Bison Sanctuary Lynx Study |
| 289 | FS, IN | Snowshoe hare population monitoring |
| 290 | FS | Amphibian Surveys |
| 294 | FS | Prairie Creek Wildlife and Vegetative assessment evaluation |
| 295 | FS | NWT Diamonds environmental monitoring program |
| 297 | FS | Monitoring abundance of small mammals |
| 301 | FS | Western Canada Cooperative Waterfowl Banding Program |
| 305 | FS, IN | Cooperative US/Canadian Waterfowl Population Survey |
| 307 | FS | Wildlife management studies on the Beverly caribou herd |
| 226 | IN | Muskox Harvest |
| 229 | IN | Spring harvest of waterfowl study |

| Ref # | Region | Research Title |
|--------------|---------------|--|
| 237 | IN | Survey of disease, parasites, and contaminants in the Bluenose Caribou her |
| 248 | IN | Tetraonid Comparative Behaviour |
| 249 | IN | Distribution abundance and survival of geese and swans in the Inuvialuit |
| 251 | IN | Populations and habitats of Pacific Brant on Banks Island, NWT. |
| 255 | IN | Distribution, abundance and productivity of waterfowl at Brackett lake |
| 256 | IN | Studies of the environmental effects of disturbance in the subarctic |
| 258 | IN | IPL wildlife monitoring |
| 259 | IN | Banks Island Range Study |
| 260 | IN | Condition of Peary Caribou on Banks Island |
| 266 | IN | Forest burns and their importance to furbearers and ungulates |
| 267 | IN | Dalls sheep composition and habitat selection in the front range |
| 274 | IN | Banks Island Caribou and Muskox Census |
| 275 | IN | Monitoring of commercial muskox harvest on Banks Island |
| 296 | IN | Environmental study of abandoned DEW line sites |
| 302 | IN | Seasonal movements and abundance of Polar Bears |
| 306 | IN, KI | Ecological factors that influence population dynamics of the Herd |
| 231 | KE, BA | Tall Grass Prairie Canada Geese Marking |
| 242 | KE, BA | CWS seabird monitoring program |
| 253 | KE | Disturbance of nesting Peregrine Falcons |
| 254 | KE | Pesticide contamination, nest site occupation, and competition |
| 263 | KE | Salvage osteological material for the U of Wisconsin |
| 272 | KE | Qamanirjuaq Caribou spring Composition and satellite collaring |

| Ref # | Region | Research Title |
|--------------|---------------|---|
| 273 | KE | Qamanirjuaq Caribou spring Composition and satellite collaring |
| 286 | KE | Raptor and Shorebird Surveys |
| 298 | KE, FS | Muskox population estimates for Thelon Game Sanctuary |
| 308 | KE | Conduct classification counts of the herd in march |
| 309 | KE | Photographic census of the Qamanirjuaq calving ground |
| 224 | KI | Arctic fox predation on Ross and Snow Goose nests |
| 225 | KI | Population biology and nutritional ecology of Ross Geese |
| 230 | KI | Waterfowl of the Central Arctic |
| 233 | KI | King Eider Abundance on Western Victoria Island |
| 235 | KI | A survey of environmental contaminants in wolves from Cambridge Bay |
| 238 | KI | Survey of environ. contaminants in local flora and fauna |
| 257 | KI, IN | Lemming population fluctuations in the eastern and western arctic |
| 264 | KI | Wolverine ecology in the central arctic |
| 265 | KI | Wolverine harvest collection program |
| 276 | KI | Distribution and Abundance of muskoxen on Boothia Peninsula |
| 277 | KI | Calving ground survey of western Victoria Island |
| 278 | KI | Seasonal movements of Victoria Island Caribou |
| 279 | KI | Status of muskoxen in the Rae-Richardson River Valley |
| 280 | KI | Identify caribou on Victoria Island, body condition and composition of wolves |
| 281 | KI | Aerial survey of muskoxen on Melbourne Island |
| 282 | KI | Caribou on King William Island: A study on TK of Gjoa Haven Residents |
| 283 | KI | Body condition survey of hunter killed Caribou |

| Ref # | Region | Research Title |
|--------------|---------------|---|
| 284 | KI | Identify lungworm infecting muskoxen in the Rae and Richardson River Valley |
| 285 | KI | Late winter body condition of muskoxen in western Victoria Island |
| 299 | KI | Monitoring nesting success of Coppermine Gyrfalcons |