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**SCIENCE INSTITUTE
OF THE NORTHWEST TERRITORIES**

1992 -1993

**COMPENDIUM OF RESEARCH
in the
NORTHWEST TERRITORIES**

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INUVIK RESEARCH CENTRE
SCIENCE INSTITUTE OF THE N.
P.O. BOX 1430
INUVIK
N.W.T. X0E 0T0

ABOUT THE SCIENCE INSTITUTE

The Science Institute of the Northwest Territories (SINT) was created by the NWT Legislative Assembly in 1984.

Its mandate is to improve the quality of life for NWT residents by applying scientific, technological and indigenous knowledge to solve northern problems and advance social and economic goals. Research in the NWT includes work in indigenous knowledge as well as in the physical, social and biological sciences.

The Science Institute is responsible for:

- licensing and coordinating research in accordance with the NWT Scientists Act;
- 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 peoples;
- making scientific knowledge available to people of the NWT;
- supporting or conducting research which contributes to the social, cultural and economic prosperity of the people of the NWT.

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FOREWORD

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 Science Institute of the Northwest Territories is one such partner and through the amalgamation with Arctic College research and development programs will be linked with post secondary training programs. The Science Institute has also developed partnerships with government agencies and community groups. The Science 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 Science Institute's mandate to involve northerners in science and technology. By participating in this compendium, researchers are partners in making research accessible to northerners.



Chuck Parker
Executive Director
Science Institute of the Northwest Territories

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ABOUT THIS BOOK

This Compendium is a summary of research licences/permits that were issued in the Northwest Territories during 1992 and 1993. The information contained in this book is a collaboration between the Science Institute of the NWT (1992/93), the Prince of Wales Northern Heritage Centre (1992/93) and the Department of Renewable Resources, Government of the Northwest Territories (1993 only).

LICENSING IN THE NWT

Under territorial legislation, all research in the NWT requires a licence/permit from one of these 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 Northwest Territories - all other research

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 the actual research conducted. Verification that the research was completed must be made with the researcher.

HOW TO USE THIS BOOK

The main section of this book contains the research descriptions, which have been numbered and listed alphabetically by researcher. At the back of this book, you will find indices listed by licensing/permitting agency, by region the research was conducted in and by subject. The numbers listed in the indices refer to the number listed with each research description, not page numbers. A list of region and subject abbreviations is provided.

AVAILABLE IN PRINT OR ON DISKETTE

The Compendium is available as a printed publication or on diskette. The diskette version includes retrieval software which provides the user with search capabilities, but the user will not be able to print information from the diskette.

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

FOR MORE INFORMATION ABOUT THE RESEARCH LISTED IN THIS BOOK

Please contact:

Science Institute of the NWT

Box 1617

Yellowknife, NT X1A 2P2

Tel: (403) 873-7592

Fax: (403) 873-0227

SEND US YOUR COMMENTS

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

ABBREVIATIONS

Agency

- S Science Institute of the Northwest Territories
P Prince of Wales Northern Heritage Centre
R Department of Renewable Resources, GNWT

Subject

- AR archaeology
AT atmosphere
B birds
CL climate
CO contaminants
EC economics
ED education
FI fish
FO fossils
G geology/geography
H health (human)
I insects/invertebrates/amphibians/reptiles
MA magnetism/energy/gravity
MI micro-organisms
ML mammals (land)
MM mammals (water)
P plants/lichens/mosses
S social sciences
T traditional knowledge/culture
W water/snow/ice/permafrost

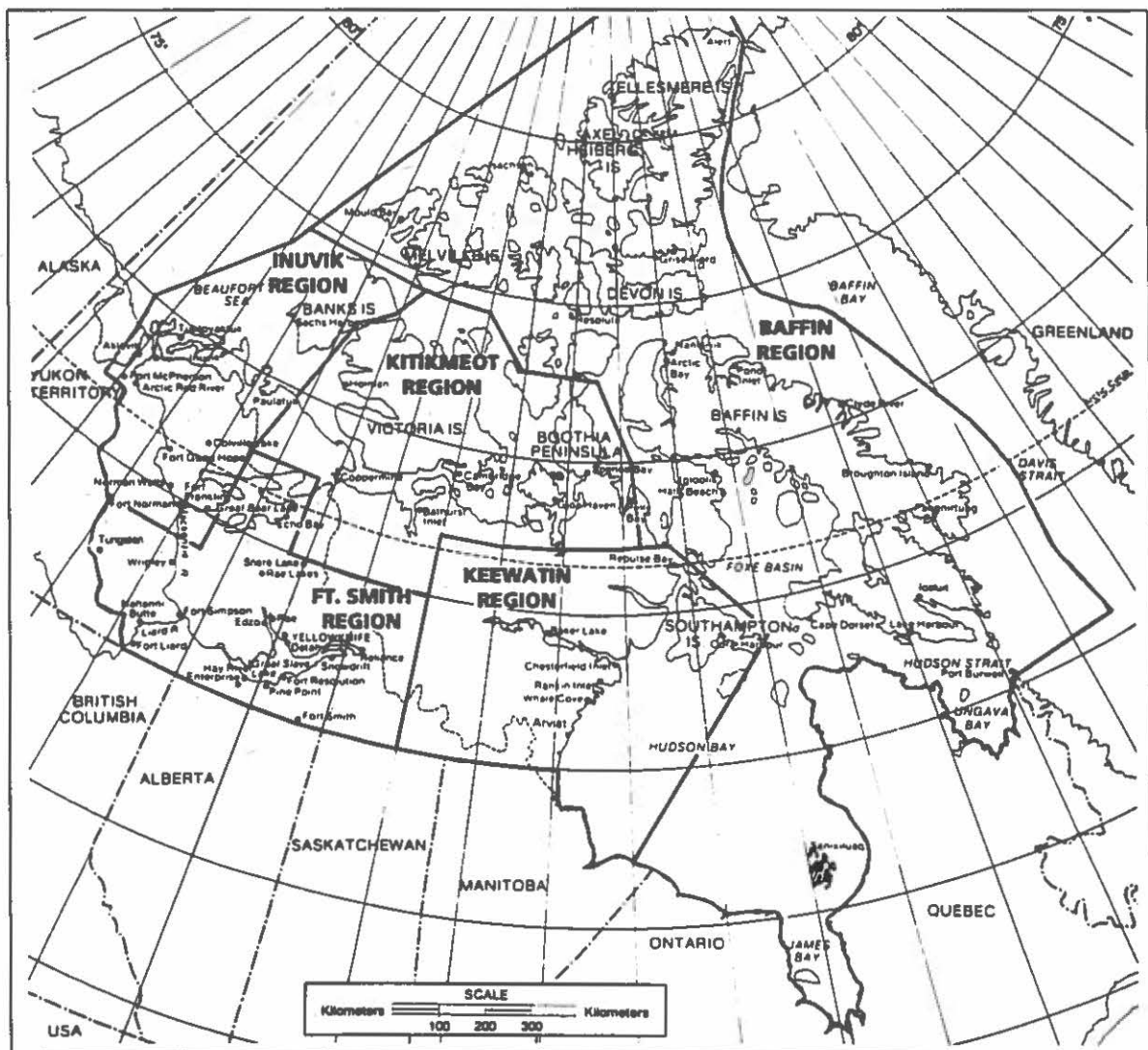
Region

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

Reference No.

Science Institute of the Northwest Territories and Prince of Wales Northern Heritage Centre internal file numbers.

The Northwest Territories Administrative Regions



001**Adams, Peter**

Department of Geography

Trent University

Box 4800

Peterborough, ON K9J 7B8

Mass Balance Measurements of White and Baby Glaciers, as well as the Under-Ice Chemistry of Colour Lake, Axel Heiberg Island, NWT

Subject: W, CL

Region: BA

Location: Expedition Fiord on Axel Heiberg Island

Year of Research: 1993

Field work for this ongoing project involves taking measurements of snow accumulation (from the previous winter) and meltwater accumulation (from the spring) for the White and Baby Glaciers. Changes in the size of the glaciers will provide information about climate change. In addition, data will be collected to determine why Colour lake has such low pH.

Reference No: 12 404 215 (S)

002**Aharonian, Dave**

Department of Geography

University of Victoria

Victoria, BC V8W 3P5

Impacts of Climate Change Upon the Community of Aklavik, NWT

Subject: CL, S, T

Region: IN

Location: Aklavik

Year of Research: 1992

The researcher will examine the response of an Aboriginal community to climate change. The views and perceptions, as held by the community members, concerning past and future changes in climate will be documented.

Reference No: 12 410 327 (S)

003**Aiken, Susan**

Botany Division

Canadian Museum of Nature

Box 3443, Station D

Ottawa, ON K1P 6P4

Grasses of the NWT

Subject: P

Region: BA, IN

Location: Vendom Fiord, Resolute, Iqaluit, Igloolik, Inuvik, islands north of Cornwallis

Year of Research: 1992, 1993

As part of an ongoing study of Northern grasses, the researcher will collect living plants for chemical analyses of plant tissue. These tests will help identify different species of grasses and determine where these species originated from. As part of her work, the researcher has established experimental plots of grass at the Inuvik, Igloolik and Iqaluit Research Centres.

Reference No: 12 402 392 (S)

004

Aitken, Alec

Department of Geography
University of Saskatchewan
Saskatoon, SK S7N 0W0

Ecology of High Arctic Marine Molluscs

Subject: W, I

Region: BA

Location: Canon and Slidre Fiords, Ellesmere Island

Year of Research: 1992, 1993

The researcher will collect samples of small organisms that live on the sea bottom in the Canon and Slidre Fiords of Ellesmere Island. These creatures include small worms, shrimp, starfish, clams and snails. Measurements will be collected on water temperature and the amount of salt and oxygen in the water. This data will help to relate the distribution of species to the environment.

Reference No: 12 402 521 (S)

005

Alisuaskas, Ray T.

Canadian Wildlife Service
115 Perimeter Road
Saskatoon, SK S7N 0X4

Effects of Neck Collaring on Survival of White-Fronted Geese

Subject: B

Region: KI

Location: Kitikmeot

Year of Research: 1993

The researcher will test for differences in survival between neck collared and non-collared geese. Information on the migration corridors and winter distribution of white-fronts from Queen Maude Gulf mainland will also be updated.

Reference No: (R)

006

Alisuaskas, Ray T.

Canadian Wildlife Service
115 Perimeter Road
Saskatoon, SK S7N 0X4

Population Biology of Central Arctic Geese

Subject: B

Region: KI

Location: Karrak Lake

Year of Research: 1993

The researcher will document the condition of Snow and Ross' geese upon their arrival at Karrak Lake Colony. He will monitor nest success, clutch size and nest density at the site.

Reference No: (R)

007

Allen, Eric

Box 374

Succ. Place du Park

Montreal, PQ H2W 2N9

Information Sources of the Nunavut Wildlife Management Board

Subject: S, MM, ML

Region: BA, KE

Location: Iqaluit and Rankin Inlet

Year of Research: 1993

This project will identify and summarize the types of information that the Nunavut Wildlife Management Board receives and uses in its decision-making. A survey and review of past Board meetings will provide data for this exercise, as will interviews with government and Inuit officials associated with the Board. This research will be compiled in Iqaluit, supplemented by a short visit to Rankin Inlet to attend the Board meeting as an observer.

Reference No: 12 410 425 (S)

008

Allen, Wayne E.

Department of Anthropology

University of California

Santa Barbara, CA USA 93106

Animal Rights Versus Aboriginal Rights: The Impact of the Anti-Fur Trapping Lobby on the Dene Economy in the NWT

Subject: S, T, ML, EC

Region: IN

Location: Fort Good Hope, Colville Lake

Year of Research: 1992

The researcher will collect data on the role of fur trapping in the subsistence economy of Dene people living in the villages of Fort Good Hope and Colville Lake. The study will focus on strategies that sustain common-pool resources, as opposed to strategies that attempt to extract "surpluses" for profit.

Reference No: 12 410 410 (S)

009

Allen, Wayne E.

Department of Anthropology

University of California

Santa Barbara, CA USA 93106

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

Subject: T, S, EC, ML

Region: IN

Location: Fort Good Hope

Year of Research: 1993

The researcher will test assumptions about the long-term sustainability of existing Dene harvest practices through interviews with elders and community members of Fort Good Hope. Information collected will include resource distribution, land tenure, harvesting patterns, genealogies and traditional knowledge.

Reference No: 12 410 410 (S)

010

Andre, Alestine

41 - 5110 Cordova Bay Road
Victoria, BC V8Y 2K5

NOGAP Archaeology Project

Subject: AR, T, S, G, W

Region: IN

Location: Arctic Red River

Year of Research: 1992

The researcher will interview Gwich'in elders of Arctic Red River and compile information on maps provided by the NOGAP Archaeology Project. The researchers will record information regarding trail systems and transportation networks, traditional camps and stops, place names and resources. Seasonal trends of the Gwich'in will be documented.

Reference No: 12 410 403 (S)

011

Andre, Alestine

41 - 5110 Cordova Bay Road
Victoria, BC V8Y 2K5

A Study of Gwich'in Place Names in the Gwich'in Settlement Area

Subject: S, T, G, W

Region: IN

Location: Arctic Red River, Inuvik, Fort McPherson, Aklavik

Year of Research: 1993

The researcher, two elders and two river guides will take a one-week trip up the Arctic Red River. Elders will assist in the location and interpretation of traditional sites, place names and other significant features. Following the trip, a one-week visit will be made to Fort McPherson and Aklavik to assess previous place name studies.

Reference No: 12 410 403 (S)

012

Andrews, Tom

Prince of Wales Northern Heritage Centre
Yellowknife, NT X1A 2L9

Camsell/Marion River Heritage Resource Inventory

Subject: S, T, G, W, ED

Region: FS

Location: Marion River

Year of Research: 1992

The researcher will survey the Marion/Camsell Trail, a traditional travel route between Great Bear and Great Slave Lakes. The project will include a training component for two students. As part of the training program, the students will receive instruction in archaeological field methods, survey techniques, oral tradition research methods, translation techniques, and instruction in Dogrib oral tradition, place names and bush skills.

Reference No: 208-55 (P)

013

Andrews, Tom

Prince of Wales Northern Heritage Centre

Box 1320

Yellowknife, NT X1A 2L9

Fort Smith Bishop's Residence

Subject: S, EC, G, T

Region: FS

Location: Fort Smith

Year of Research: 1993

The building and grounds of the Bishop's Residence recently purchased from the Roman Catholic Church will be developed into a historic park. The researcher will investigate the landscape history of the building and grounds to develop a sensitivity map that will guide the future development of this property.

Reference No: 208-55 (P)

014

Andrews, Tom

Prince of Wales Northern Heritage Centre

Box 1320

Yellowknife, NT X1A 2L9

Snare Lakes Airport

Subject: EC, AR

Region: FS

Location: Snare Lakes

Year of Research: 1993

Salvage excavations will be undertaken at LbPg-8, a site which is located on lands proposed for the Snare Lakes Airport. Earlier surveys conducted in 1992, had uncovered seven features which were in danger of being destroyed. The 1993 excavations will concentrate on a feature with a large hearth and boiling pit which appear to have been in the centre of a teepee-like structure. Two other features will also be extensively tested.

Reference No: 208-55 (P)

015

Andrews, Tom

Prince of Wales Northern Heritage Centre

Box 1320

Yellowknife, NT X1A 2L9

Camsell/Marian River Heritage Resource Inventory

Subject: G, S, T

Region: FS

Location: Camsell River, Marian River

Year of Research: 1993

The Camsell/Marian River Heritage Resource Inventory is a three year research project, initiated by the Prince of Wales Northern Heritage Centre, in collaboration with the Dogrib elders of Rae Lakes and the Rae-Edzo Friendship Centre. The primary objective is to complete an inventory of heritage resources of the Camsell and Marian Rivers, a traditional Dogrib canoe route linking Great Slave and Great Bear Lakes. Oral history research with elders in Rae Lakes will provide the basis for field surveys along the trail.

Reference No: 208-55 (P)

016

Andrews, Tom

Prince of Wales Northern Heritage Centre

Yellowknife, NT X1A 2L9

Snare Lake Airport

Subject: EC, AR

Region: FS

Location: Snare Lake

Year of Research: 1992

The researcher and his team will spend eight days conducting an archaeological impact assessment of the proposed airport at Snare Lakes. The airport is scheduled to be built within the next few years. During a survey of the region in 1965 and 1966, William Noble had recorded the locations of three sites in the vicinity of the proposed airport. The purpose of this summer's investigation is to assess the potential for disturbance to these sites and to determine whether additional sites exist within the area of proposed development.

Reference No: 208-55 (P)

017

Armstrong, Terry

Department of Biology

University of Saskatchewan

Saskatoon, SK S7N 0W0

The Role of Predation in Nesting Success of Black Brant and Lesser Snow Geese

Subject: B

Region: IN

Location: Anderson River Delta

Year of Research: 1992

In this ongoing study, the researcher will document glaucous gulls as they prey on nests of black brant and lesser snow geese. The study will determine why the gulls seem to be more successful when attacking the nests of brant than those of snow geese. The researchers will examine the feeding behaviour of the gulls and the defense behaviour of the geese. They will also examine the nesting success and clutch sizes of brant and snow geese.

Reference No: 12 402 484 (S)

018

Armstrong, Terry

Department of Biology

University of Saskatchewan

Saskatoon, SK S7N 0W0

Role of Predation on Nesting Success of Black Brant and Lesser Snow Geese

Subject: B

Region: IN

Location: Anderson River

Year of Research: 1993

The researcher will determine the importance of gull and jaeger predation on the nesting success of brant and snow geese near the mouth of the Anderson River.

Reference No: (R)

019

Arnoldy, Roger L.
Physics Department
Space Science Centre
University of New Hampshire
Durham, NH USA 03824

Operation of an Induction Magnetometer at Iqaluit, NWT: A Magnetic Conjugate Site to the South Pole Site, Antarctica

Subject: MA
Region: BA
Location: Atmospheric Environment Service site in Iqaluit
Year of Research: 1993

Small fluctuations in the earth's magnetic field can be measured using induction antennas. These antennas are large coils of wire that are buried beneath the ground and placed in north-south, east-west and vertical directions. Instrument readings are recorded on an optical disc which collects approximately one year's worth of data.

Reference No: 12 404 422 (S)

020

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

Initial Aquatic Inventory, Izok Lake Mine Project

Subject: W, FI, CO, EC
Region: KI
Location: Izok Lake, Itchen and Imoguella Lakes, Coronation Gulf
Year of Research: 1992

The researcher will obtain baseline water quality data, discharge information for major streams in the study region, baseline information on fish species composition and information about the relative abundance and background levels of metals in fish tissue.

Reference No: 12 402 530 (S)

021

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

Fisheries Surveys in the Izok and Itchen Lakes and Napaaktoktok River Areas

Subject: W, FI, EC
Region: KI
Location: the Izok and Itchen Lakes, Napaaktoktok River area
Year of Research: 1993

The researcher will conduct surveys south and east of Coppermine to collect information about the fish species and habitat. This study is conducted on behalf of Minnova Incorporated to provide information on the accumulative effects of development in the area.

Reference No: 12 402 530 (S)

022

Ashley, Bruce

Box 178

Pangnirtung, NT X0A 0R0

Community Economic Impact of Commercial Fisheries Development in the Canadian Eastern Arctic: The Pangnirtung Winter Turbot Fishery

Subject: EC, FI

Region: BA

Location: Pangnirtung

Year of Research: 1992

The researcher will examine the economic and social costs and benefits of the fishery on the Pangnirtung community. The study will document the role of commercial fisheries in the development of eastern Arctic communities.

Reference No: 12 410 368 (S)

023

Aspler, L.B.

23 Newton Street

Ottawa, ON K1S 2S6

Hurwitz-Kaminak Geological Mapping

Subject: G, EC, CO, W, P

Region: KE

Location: Ducker and Watterson Lakes (south-central Keewatin region)

Year of Research: 1992, 1993

The field crew will map and evaluate the economic potential of rocks deposited in ancient (2500 to 1900 million year old) basins. The field work will also involve the collection of water, moss and lichen to determine levels of contaminants, as part of the northern contaminants study funded by the Arctic Environmental Strategy.

Reference No: 12 404 466 (S)

024

Auger, Reginald

CELAT, Faculte des lettres

Universite Laval

Sainte-Foy, PQ G1K 7P4

Archaeology at the 1577-1578 Martin Frobisher Base Camp on Kodlunarn Island

Subject: AR

Region: BA

Location: Kodlunarn Island

Year of Research: 1993

The researcher will conduct archaeological research on Kodlunarn Island to better understand the Frobisher voyages. Excavation at the Frobisher base camp will provide information about these voyages, and their influence on Inuit.

Reference No: 12 410 438 (S)

025

Auger, Reginald

Celat, Faculte des Lettres

Universite Laval, PQ G1K 7P4

Kodlunarn Island In Countess of Warwick Sound

Subject: AR, EC

Region: BA

Location: Kodlunarn Island

Year of Research: 1993

The researcher will document Martin Frobisher's quarry site located on Kodlunarn Island. At this site Frobisher mined an ore thought to be gold, and made attempts to establish a colony in North America. The crew will excavate a feature known as the ship's trench and conduct experiments on the recovery of vegetation in excavated areas. The rate of erosion affecting this island's archaeologically sensitive areas will also be evaluated.

Reference No: 208-74 (P)

026

Azzolini, Luciano

403 - 6450 East Boulevard

Vancouver, BC V6M 3V9

Getting Old and Getting Good Housing

Subject: EC, H, S

Region: FS

Location: Fort Providence

Year of Research: 1993

This research is designed to obtain ideas, opinions and solutions from residents of Fort Providence on the housing problems that are faced by older people in the community. This project is not a comprehensive evaluation of the Housing Corporation's programs; it is an examination of what is and is not working in this community.

Reference No: 12 410 433 (S)

027

Babaluk, John

Department of Fisheries and Oceans

Freshwater Institute

501 University Crescent

Winnipeg, MB R3T 2N6

Broad Whitefish Tagging Project

Subject: FI

Region: IN

Location: the Horseshoe Bend area

Year of Research: 1992, 1993

The research team will tag broad whitefish in the Mackenzie River Delta near Horseshoe Bend. Various fishing gear will be tested to evaluate effectiveness for the capture and release of fish. Tagging will provide information about the movements, growth, survival and numbers of whitefish, and will contribute to fish management. Local residents will be trained on fish tagging techniques. Recovery of tagged fish is a priority and community groups as well as individual fishermen will be encouraged to turn in fish tags to Fishery officers.

Reference No: 12 402 528 (S)

028

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

Banks Island Fish Population/Char Genetic Variation Project

Subject: FI, CO
Region: IN
Location: Sachs Harbour
Year of Research: 1993

Fish populations in Fish and Raddi Lakes, located near Sachs Harbour, will be documented to determine their population characteristics. Arctic char will be collected for genetic analyses and assessment of physical differences between regions. Tissue samples will be collected for future contaminant studies.

Reference No: 12 402 528 (S)

029

Ballantyne, J.S.
Department of Zoology
University of Guelph
Guelph, ON N1G 2W1

Metabolism of Arctic Organisms

Subject: FI, I
Region: BA
Location: Igloolik
Year of Research: 1992

The researcher will document the kinds of fats found in Arctic fish and invertebrates and how they change when the fish moves from freshwater into seawater. The effects of temperature change on fat content will also be documented. This work will examine how Arctic animals differ from similar animals found in warmer climates.

Reference No: 12 402 524 (S)

030

Barber, David G.
Assistant Professor
Department of Geography
University of Manitoba
Winnipeg, MB R3T 2N2

A Seasonal Sea Ice Monitoring Site (SIMS)

Subject: W, CL, AT
Region: BA
Location: Barrow Strait, Lancaster Sound
Year of Research: 1992, 1993

The primary objective of the research is to characterize the physical processes of the ice/ocean/atmosphere interface and to develop the capability to measure variables using remote sensing data. The operational monitoring, which can be provided by satellite remote sensing, is a necessary prerequisite to understanding the impacts of CO₂-induced warming of the ice-covered regions of the Canadian Arctic.

Reference No: 12 404 371 (S)

031

Barrie, Len A.

Atmospheric Environment Service

Environment Canada

4905 Dufferin Street

Downsview, ON M3H 5T4

Glacier Air Pollution Study

Subject: CO, W, AT

Region: BA

Location: Agassiz Glacier, Ellesmere Island

Year of Research: 1993

This study will measure the amount of contaminants that are present in the atmosphere over the Agassiz Glacier on Ellesmere Island. Two automatic samplers will be installed on the glacier to record contaminant levels. This research will complement other studies on the Agassiz Glacier which are collecting data about contaminants locked into the ice.

Reference No: 12 404 098 (S)

032

Barron, James

257 Patricia Avenue

Ottawa, ON K1Y 0C6

Park Access in Baffin Island

Subject: EC, S

Region: BA

Location: Pangnirtung, Broughton Island, Iqaluit

Year of Research: 1993

The researcher will visit Pangnirtung, Broughton Island and Iqaluit to consult with interested parties (including Park officials, tourists and boat operators) on the social, economic and management issues that are associated with Auyuittuq National Park. The focus of the study is examining the accessibility of this park to increasing numbers of visitors and how improvements can be made to making the parks more accessible.

Reference No: 12 410 437 (S)

033

Basinger, James F.

Department of Geological Sciences

University of Saskatchewan

Saskatoon, SK S7N 0W0

Evolution of High Latitude Floras

Subject: P, FO

Region: BA

Location: Ellesmere, Bathurst and Axel Heiberg Islands, and Strathcona Fiord

Year of Research: 1992, 1993

The researcher will continue to examine the fossil plants that are contained in sediments that are 40 - 70 million years old. Sites to be examined include the northeastern region of Axel Heiberg Island and the Stenkul Fiord region of central Ellesmere Island. A trip to Bathurst Island is scheduled to verify a more recent discovery of fossilized plants. The data collected will contribute to knowledge about the lush forests that once covered the polar regions.

Reference No: 12 402 357 (S)

034

Beach, Hugh

Department of Cultural Anthropology

Uppsala University

Tradgardsgatan 18

Uppsala, Sweden 75309

Post-Settlement Native Land Management and Its Social Effects

Subject: S, T, ML

Region: IN

Location: Inuvik

Year of Research: 1993

The researcher will compare the different resource settlements between Aboriginal and nation states. In particular, the researcher will examine the Land Claim Settlement of the Inuvialuit and compare this settlement with that of the Saami (Lapps) of Sweden. The researcher is interested in the relations between hunters and herders of reindeer and caribou. Data will be collected through informal interviews.

Reference No: 12 410 428 (S)

035

Beattie, Owen

Department of Anthropology

University of Alberta

Edmonton, AB T6G 2H4

Quartzite Island

Subject: AR, T

Region: KE

Location: Quartzite Island

Year of Research: 1992

This season is the fourth, and last, in a project investigating the loss of the British James Knight expedition of 1719. During the 1991 field season, underwater photographs of one of Knight's ships, the 80 ton Albany frigate, were taken. The purpose of the 1992 season is to search for Knight's second ship, the 40 ton Discovery sloop, believed to have sunk close to the Albany.

Reference No: 208-33(P)

036

Beauchamp, Benoit

Geological Survey of Canada

3303 - 33rd Street NW,

Calgary, AB T2L 2A1

Upper Palaeozoic Basin Analysis of Sverdrup Basin

Subject: G

Region: BA

Location: the Otto Fiord area, north west Ellesmere Island

Year of Research: 1992

The researcher will measure thickness of strata and collect rock samples from various localities on northwestern Ellesmere Island. The purpose of the work is to understand and reconstruct the geography of the area.

Reference No: 12 404 428 (S)

037

Beaudry, Nicole

Departement de musique
Universite du Quebec a Montreal
Case postale 8888, succursale A
Montreal, PQ H3C 3P8

Traditional Music and Games of the Athapascan Peoples

Subject: S, T

Region: IN

Location: Fort Good Hope, Fort Norman, Fort Franklin

Year of Research: 1992

As part of a multi-year study initiated in 1988, the researcher will interview elders and record traditional music where appropriate.

Reference No: 12 410 232 (S)

038

Bell, Bob

Fisheries Joint Management Committee
Box 2120
Inuvik, NT X0E 0T0

Contaminant Analyses for Wildlife Food Sources in the Inuvialuit Settlement Region

Subject: CO, FI, MM, H

Region: IN

Location: the Inuvialuit Settlement Region

Year of Research: 1993

This project was initiated following the concern voiced by the six Inuvialuit Settlement Region communities about the presence and levels of contaminants in the major country food sources. Samples of body tissues will be taken from char, whitefish, seals and belugas to assess heavy metal, organochlorine and PCB contaminants.

Reference No: 12 402 534 (S)

039

Bell, Trevor

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

Freezing History and Depositional Setting of Massive Ground Ice in the Canadian High Arctic

Subject: G, W

Region: BA

Location: Ellesmere and Axel Heiberg Islands

Year of Research: 1993

The researcher will investigate permafrost occurrences at the Fosheim Peninsula on Ellesmere Island, May Point and Mokka Fiord on eastern Axel Heiberg Island.

Reference No: 12 404 340 (S)

INUVIK RESEARCH CENTRE
SCIENCE INSTITUTE OF THE N.W.T.
P.O. BOX 1430
INUVIK
N.W.T. X0E 0T0

040

Bender, Miranda

#711 - 21 King Street

London, ON N6A 5H3

The Impact of Nunavut on the Community of Clyde River

Subject: S, EC, T

Region: BA

Location: Clyde River

Year of Research: 1993

This study will examine community views on how the proposed Nunavut government will serve the community of Clyde River.

Reference No: 12 410 431 (S)

041

Berge, Anna

#4 - 3125 College Avenue

Berkeley, CA, USA 94705

Studies in Inuktitut Syntax

Subject: S, T

Region: BA

Location: Iqaluit

Year of Research: 1992

The researcher will analyze Inuktitut sentence structure. Data collected will be used to develop an Inuktitut syntax course.

Reference No: 12 410 353 (S)

042

Bertulli, Margaret

Prince of Wales Northern Heritage Centre

Box 1320

Yellowknife, NT X1A 2L9

Grave Marker Replacement

Subject: S, T

Region: BA

Location: Beechey Island, Eden Point, Dealy Island, Griffith Island, Mount Beaufort on Devon Island

Year of Research: 1993

With the cooperation of the Canadian Conservation Institute, the researcher will replace markers on nine historic European graves in the High Arctic.

Reference No: 208-19 (P)

043

Bertulli, Margaret

Prince of Wales Northern Heritage Centre

Box 1320

Yellowknife, NT X1A 2L9

Erebus Bay Archaeological Investigation

Subject: AR

Region: KI

Location: Erebus Bay, King William Island

Year of Research: 1993

A previously unrecorded site, near the area which hosted the final days of the third Franklin expedition to the Canadian Arctic, was found in Erebus Bay. A cursory inspection revealed that it was probably related to the Franklin expedition. The researcher will document the distribution of artifacts and human remains at the site.

Reference No: 208-19 (P)

044

Beyens, L.

Department of Botany

State University of Antwerp (RUCA)

Groenenborgerlaan 171

Antwerp, Belgium B2020

Biogeography and Ecology of Unicellular Organisms

Subject: MI, W, G

Region: KI

Location: Cambridge Bay, Victoria Island

Year of Research: 1992

In the vicinity of Cambridge Bay, the researcher hopes to gain more insight in the biogeography and ecology of unicellulars (i.e. diatoms and testate amoebae). Samples of terrestrial and aquatic material will be collected for laboratory study.

Reference No: 12 404 304 (S)

045

Bickel, John

Naval Command, Control & Ocean Surv. Centre

Research, Devel., Test & Eval. Division

San Diego, CA USA 92152-5000

The Effects of the Ionospheric Auroral Zone on the Propagation of Very Low Frequency VLF/LF and HF Radio Waves

Subject: AT, MI

Region: FS

Location: Fort Smith

Year of Research: 1992

As part of an ongoing study, the researcher will collect data using an antenna and a computer operated VLF (very low frequency) signal receiving and recording equipment.

Reference No: 12 406 020 (S)

046

Bidleman, Terry F.

Atmospheric Environment Service, ARQP

4905 Dufferin Street

Downsview, ON M3H 5T4

Toxaphene in the Arctic: Atmospheric Delivery and Transformation in the Food Chain

Subject: CO, AT, W, P

Region: BA

Location: Resolute Bay

Year of Research: 1992

The researcher will collect air and water samples for analysis of toxaphene and other organochlorine compounds. The researcher will also examine differences in toxaphene patterns in air, water and organic materials.

Reference No: 12 402 517 (S)

047

Bliss, Lawrence C.

Department of Botany

KB-15

University of Washington

Seattle, Washington USA 98195

The Role of Soil Algae in High Arctic Ecosystem Development

Subject: MI, P

Region: BA

Location: the Truelove Lowland on Devon Island

Year of Research: 1992, 1993

As part of a multi-year project, the researcher will examine the small organisms that live in Arctic soils.

Reference No: 12 402 073 (S)

048

Bocking, Stephen

Royal Society of Canada, Research Eval. Unit

University of British Columbia

6284 Biological Sciences Road

Vancouver, BC V6T 1Z4

Royal Society Evaluation of Aquatic Science in the Mackenzie Basin

Subject: W, CO, FI, I, MM, S, MI, P

Region: IN, FS

Location: Yellowknife, Inuvik, Hay River, Fort Smith

Year of Research: 1993

The researcher will review literature on aquatic science and environmental management in the Mackenzie Basin to identify appropriate criteria for evaluation of aquatic science activities. All aquatic science documents will be catalogued. As well, aquatic researchers and other interested parties will be surveyed for information and opinions concerning aquatic science in the region.

Reference No: 12 402 557 (S)

049

Borre, Kristen
206 South West Street
Carlisle, PA USA 17013

Ethnobotany of North Baffin Island Inuit: Native Knowledge of Plant Resources in Kangaq-lugaapik, NWT

Subject: P, T, EC, H, S
Region: BA
Location: Clyde River
Year of Research: 1992

The researcher will collect samples of plants Inuit indicate have nutritional, economic, ecological, social, cultural and religious importance. The way in which Inuit think about plants and how they use them will be analyzed.

Reference No: 12 402 516 (S)

050

Boyes, David
470 Wallace Avenue
Winnipeg, MB R2E 0B2

Division of the NWT

Subject: S
Region: FS
Location: Yellowknife
Year of Research: 1992

The researcher will meet with persons involved in northern politics and discuss the Government of Canada's decision to divide the NWT. By means of informal interviews, an investigation of how the decision was reached and the impacts of the decision upon northern residents will be undertaken.

Reference No: 12 410 401 (S)

051

Boyko, S. Vladimir I.
Director, Institute of Philosophy and Law
Russian Academy of Science
Lavrentyev Prospect 17
Novosibirsk 630090, Russia

Decentralization and Self-Government as the Premise and Cause of Activating the Social Life of the Community

Subject: S, T
Region: IN
Location: Inuvik
Year of Research: 1992

The researcher will compare social changes in the Canadian north with those in Russia.

Reference No: 12 410 356 (S)

052

Brand, Uwe

Department of Geological Sciences

Brock University

St. Catharines, ON L2S 3A1

Sedimentology, Diagenesis and Economic Potential of Devonian Sediments in the Franklinian Miogeosyncline on Bathurst Island

Subject: EC, G, FO

Region: BA

Location: Bathurst Island

Year of Research: 1992, 1993

The researcher will study sedimentary rocks and fossils that were formed more than 350 million years ago in warm tropical seas. The research will involve a detailed assessment of Devonian rocks found on Bathurst, Helena, Cameron and Byam Martin Islands. The potential for oil, gas and/or mineral deposits in the Devonian strata will be assessed, but the major emphasis of the research will be documenting the strata's geochemical, palaeontological and sedimentological characteristics.

Reference No: 12 404 444 (S)

053

Braune, Birgit M.

Canadian Wildlife Service

National Wildlife Research Centre

Ottawa, ON K1A 0H3

Contaminants in Arctic Seabirds

Subject: CO, B

Region: BA

Location: the Baffin region

Year of Research: 1993

The researcher will provide a comprehensive database on contaminants in waterfowl.

Reference No: (R)

054

Braune, Birgit M.

Canadian Wildlife Service

National Wildlife Research Centre

Ottawa, ON K1A 0H3

National Survey of Contaminants in Waterfowl

Subject: CO, B, H

Region: BA, KI, KE

Location: the Baffin, Kitikmeot and Keewatin regions

Year of Research: 1993

The researcher will gather information on chemical contaminants in ducks, geese and their eggs, and determine the health risk for human consumption.

Reference No: (R)

055

Bravo, Michael

Research Fellow, Cambridge University

R.R. #1

Osgoode, ON K0A 2W0

Comparative Study of Oral and Written History in Igloolik, NWT

Subject: S, T

Region: BA

Location: Igloolik

Year of Research: 1992

The researcher will construct a framework for presenting Inuit history in written form without losing the unique qualities of the spoken form.

Reference No: 12 410 253 (S)

056

Brodhead, Dal

New Economy Development Group Ltd.

Suite 109A

858 Bank Street

Ottawa, ON K1S 3W3

Evaluation of the Canada - NWT Cooperation Agreement for French and Aboriginal Languages in the NWT

Subject: S, T

Region: FS, IN, BA, KE, KI

Location: the Baffin, Fort Smith, Inuvik, Keewatin and Kitikmeot regions

Year of Research: 1993

The review will focus on the role of the Language Agreement, with regard to language needs and services in the NWT. An impact analysis will address the long and short-term impact of the Agreement on the various stakeholders.

Reference No: 12 410 439 (S)

057

Broll, Gabriele

Department of Landscape Ecology

Institute of Geography, U. of Munster

Robert-Koch-Str. 26-28

Munster, Germany 4400

Arctic Timberline Ecology

Subject: CL, P

Region: IN

Location: south of Inuvik along the Dempster highway

Year of Research: 1993

As part of his trip to Inuvik with the International Tour of Permafrost Affected Soils, the researcher will record information about the ecology (including local climate conditions, soil conditions and plant communities) of the timberline at selected sites visited during the Tour. These sites are located along the Dempster Highway near Inuvik.

Reference No: 12 402 551 (S)

058

Bromley, Robert G.

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Harvested Waterfowl of the Central Arctic

Subject: B

Region: IN

Location: the Inuvik region

Year of Research: 1993

The researcher will determine the species composition, sex, age and numbers of ducks, geese and swans harvested by area and date. This will be accomplished by visiting hunters' camps on a weekly basis.

Reference No: (R)

059

Bromley, Robert G.

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Waterfowl of the Central Arctic

Subject: B

Region: KI

Location: the Kitikmeot region

Year of Research: 1993

The researcher will determine the productivity of geese and swans, factors affecting production, affinities of geese on migration and wintering areas, and their survival rates.

Reference No: (R)

060

Brooks, Greg

Terrain Sciences Division

Geological Survey of Canada

601 Booth Street

Ottawa, ON K1A 0E8

Contemporary Lateral Channel Behaviour Along the Lower Reaches of Tributaries to the Mackenzie River - Fort Simpson to Norman Wells

Subject: W, G

Region: IN, FS

Location: the Mackenzie River from Fort Simpson to Norman Wells

Year of Research: 1992

The researcher and his team will use a special instrument to transfer the channel position at a given location from an aerial photograph to a base map. Repeating this exercise for different aged aerial photographs of the same site reveals the progressive change in the channel position. These maps will show exactly where the channel change is occurring and will allow the rates of movement to be measured.

Reference No: 12 404 468 (S)

061

Brooks, Greg
Terrain Sciences Division
Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Contemporary Channel Characteristics and Behaviour Along the Lower Reaches of Major Tributaries of the Mackenzie River (from Norman Wells to the Mackenzie Delta)

Subject: W, G
Region: IN
Location: from Norman Wells to the Mackenzie Delta
Year of Research: 1993

The research will provide basic information on the characteristics of the rivers and valleys that are major tributaries emptying into the Mackenzie River. The tributaries to be studied include the Carcajou, Mountain, Hume, Ramparts, Hare Indian, Ontaratue, Arctic Red and Peel Rivers. Little is known about the lower 5-7 km portion of these rivers. The information collected will be obtained from both aerial photographs as well as ground surveying.

Reference No: 12 404 468 (S)

062

Brooks, Greg
Terrain Sciences Division
Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Reconnaissance of the East Channel of the Mackenzie Delta

Subject: W, G
Region: IN
Location: East Channel of the Mackenzie Delta
Year of Research: 1993

If an oil and gas pipeline is constructed that extends from the Mackenzie Delta to the south, the pipeline will likely cross the East Channel at either Lousy or Swimming Points. Both of these sites have been studied in the past, but little detailed information has been collected on the physical features of these sites. Data will be collected on the features of these sites, including a survey of river bank forms and old river channels.

Reference No: 12 404 468 (S)

063

Brotton, Janet
Department of Geography
Environmental Studies I
University of Waterloo
Waterloo, ON N2L 3G1

The Implications of Climate Change for Fish and Wildlife Resources in the Mackenzie Basin

Subject: CL, FI, ML
Region: FS, IN
Location: Yellowknife, the Mackenzie River Basin
Year of Research: 1993

The proposed research will investigate the implications of climatic change for fish and wildlife resources in the Mackenzie River Basin. A computer model will be used to predict temperature and precipitation changes associated with an expected doubling of carbon dioxide concentrations. Data points used in the modelling exercise will correspond to selected weather stations in the region. The researcher will visit Yellowknife to assess data requirements.

Reference No: 12 402 535 (S)

064

Burn, C.R.
Department of Geography
Carleton University
Ottawa, ON K1S 5B6

Investigation of Ground Ice Development in Sediments of the Mackenzie Delta

Subject: W, G
Region: IN
Location: the Mackenzie Delta near Inuvik, northern Richards Island
Year of Research: 1992, 1993

This long-term research will continue to examine the nature of frost heaving, permafrost and water flow in the Mackenzie Delta and associated lakes. Some experimentation on frost heaving will be conducted at specific sites during the winter months. In the summer, the distribution of ice in the upper layers of the permafrost on land as well as the nature of permafrost beneath shallow lakes will be examined.

Reference No: 12 404 325 (S)

065

Burn, C.R.
Department of Geography
Carleton University
Ottawa, ON K1S 5B6

Spatial Variation in the Isotopic Composition of Snowpack in the Mackenzie Delta Area

Subject: CL, W
Region: IN
Location: Inuvik, Aklavik, Tuktoyaktuk
Year of Research: 1992, 1993

This long-term research involves the assessment of isotopes in snowpack each winter. Collection of snow and ice at various sites along winter roads in the NWT provides information about the composition of isotopes within a region. In similar studies, isotopic composition of snow and ice taken from ice cores in Greenland and Antarctica have been able to provide information about past climates.

Reference No: 12 404 325 (S)

066

Bursey, Terry Lee
#5 - 228 Fifth Avenue
Ottawa, ON K1S 2N3

Study of Epiclastic and Volcaniclastic Sedimentary Rocks of the Yellowknife Supergroup

Subject: G
Region: FS
Location: Yellowknife
Year of Research: 1992

The researcher will study several well-exposed areas of sedimentary strata of Archean age within the Slave Province in order to evaluate criteria for correlation and depositional environments.
Reference No: 12 404 469 (S)

067

Callaway, Michelle L.
501 - 1599 West 71 Street
Vancouver, BC V6P 3C3

Analysis of a Community-Initiated Alcohol Program in Cape Dorset

Subject: S, T, H
Region: BA
Location: Cape Dorset
Year of Research: 1993

The researcher will interview people of Cape Dorset who initiated a community-based health program that addresses alcohol abuse. The information collected will summarize the Inuit perspectives on what they believe to be effective features of the program.
Reference No: 12 410 441 (S)

068

Cant, Garth
Department of Geography
University of Canterbury
Private Bag 4800
Christchurch, New Zealand

Land Rights in Canada and New Zealand

Subject: S
Region: BA, FS
Location: Iqaluit, Yellowknife, southern Canada
Year of Research: 1993

The researcher is collecting published reports, legislation, newsletters, management plans, books and journal articles on the Nunavut, James Bay and northern Quebec land claims, in order to compare these land claims with the Nisga'a land claim. This study will also provide New Zealanders with an overview of the initiatives taken by claimants and the Crown in Canada. Informal discussions will also occur with members of government/non-government agencies.
Reference No: 12 410 444 (S)

069

Case, Ray

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Study of Reproductive Characteristics of Barren-Ground Grizzly

Subject: ML

Region: KI

Location: Coppermine area

Year of Research: 1993

The researcher will assess the reproductive parameters of the barren-ground bear population in the Coppermine area. This study will assist in the development of a bear conservation strategy for the region.

Reference No: (R)

070

Caseburg, Debbie

125 Home Economics Building

University of Alberta

Edmonton, AB T6G 2M8

Factors Influencing Change in Inuit Shamanic Dress

Subject: S, T

Region: BA

Location: Sanikiluaq, Belcher Islands

Year of Research: 1992

The purpose of this study is to analyze the historical and contemporary factors that influence clothing and adornment used by Belcher Island shamans in the practice of their traditional beliefs. The objective is to identify temporal (time) variations and determine factors influencing changes in clothing style and decoration.

Reference No: 12 410 400 (S)

071

Caswell, F. Dale

Canadian Wildlife Service

513 - 269 Main Street

Winnipeg, MB R3C 1B2

Banding Program of the Eastern Arctic Tall Grass Prairie Population of Canada Geese

Subject: B

Region: BA, KE

Location: west Hudson Bay, Southampton Island, Baffin Island

Year of Research: 1993

The researcher will study Canada geese which breed in the eastern Arctic areas of Cape Dominion (on Baffin Island), the Boas River (on Southampton Island) and the McConnell River (on the west coast of Hudson Bay). Leg bands and neck collars will be placed on individual birds in order to assist United States and Canadian biologists in determining migration routes and wintering grounds of the tall grass prairie population of Canada geese.

Reference No: 12 402 554 (S) and (R)

072

Chang-Kue, Ken T.J.
Department of Fisheries and Oceans
Freshwater Institute
501 University Crescent
Winnipeg, MB R3T 2N6

Radio Tagging of Broad Whitefish (*Coregonus nasus*) on the Arctic Red River

Subject: FI
Region: IN
Location: the Arctic Red River area
Year of Research: 1993

The researcher will attach radio tags or transmitters on 20 broad whitefish at a location approximately 40 km from the mouth of the Arctic Red River. The movements of these whitefish between September and June will be monitored to determine their migration routes, spawning areas and overwintering areas. Data from the radio transmitters will be collected using a scanning receiver from a fixed-wing aircraft.

Reference No: 12 402 172 (S)

073

Chapdelaine, Gilles
Canadian Wildlife Service
1141 Rte de l'Eglise
Box 10100
Ste-Foy, PQ G1V 4H5

Banding of Thick-Billed Murres at Akpatok Island (Ungava Bay)

Subject: B
Region: BA
Location: Akpatok Island (Ungava Bay)
Year of Research: 1993

The researcher will study the reproductive biology and ecological requirements of thick-billed murres on Akpatok Island. This study will increase knowledge about population size, the effects of the annual 'turr' hunt in Newfoundland on this resident population, and where these thick-billed murres overwinter in the south.

Reference No: (R)

074

Chatterton, Brian D.E.
Department of Geology
University of Alberta
Edmonton, AB T6G 2E3

Silurian Trilobites of the Canadian Arctic

Subject: FO, G, I
Region: BA
Location: Resolute Bay, Cornwallis, Devon, Bathurst Islands
Year of Research: 1992

The researcher will examine and measure stratigraphic sections at selected sites on Cornwallis, Devon and Bathurst Islands. Horizons in these sections containing invertebrate fossils will be collected.

Reference No: 12 404 086 (S)

075

Child, M.M.

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

**An Initial Test of Sediment Magnetic Susceptibility and its
Paleolimnological Implications: Truelove Lowland, Devon Island, NWT**

Subject: G, MA

Region: BA

Location: Truelove Lowland, Devon Island

Year of Research: 1992

The researcher will measure the magnetic susceptibility of lake sediments on Truelove Lowland.

Reference No: 12 404 441 (S)

076

Chipeniuk, Raymond

1343 Dowler Avenue
Ottawa, ON K1H 7R8

Field Study of Ideas in Naturalness in Relation to Planning

Subject: S, T

Region: BA

Location: Clyde River

Year of Research: 1992

The researcher will test the usefulness of the repertory-grid technique for gaining an understanding of how people of different cultures think about natural and semi-natural landscapes, and will gather data to make cross-cultural comparisons of how people of different cultures think about natural and semi-natural landscapes. He will also study a proposal to have Isabella Bay declared a reserve by Man and Biosphere.

Reference No: 12 410 154 (S)

077

Chiperzak, Doug

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

Hydroacoustic Survey of Migratory Coregonids in the Arctic Red River

Subject: FI

Region: IN

Location: Arctic Red River

Year of Research: 1992

The researcher will conduct a mobile hydroacoustic survey for coregonids from a 6 m boat using a BioSonics dual-beam echo-sounder and recording system. A limited amount of gill netting will be conducted to provide information for the acoustic data. Target strength analysis will also be conducted.

Reference No: 12 402 532 (S)

078

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

Turbot Fishery Exploratory

Subject: FI, EC

Region: IN

Location: the Sachs Harbour area

Year of Research: 1993

The potential of fisheries stocks in the Beaufort Sea to support commercial fisheries is unknown at present. I propose to develop the local expertise to conduct offshore winter fisheries for Greenland halibut (turbot) using long-line techniques, and to assess the potential of any stocks present to support a commercial fishery. Data will be collected to assess stock characteristics pertinent to management. Recommendations will be made to the FJMC and communities.

Reference No: 12 402 532 (S)

079

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

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

Subject: H, CO, FI, S, T

Region: FS

Location: Ndilo, Dettah, Yellowknife

Year of Research: 1993

The researcher will collect information on the consumption patterns in traditional and store-bought foods, as well as lifestyle patterns (e.g., fishing and hunting activities, health beliefs, traditional food use) of residents of Ndilo and Dettah. This information will be combined with results of the Back Bay Fish Study (which looks at contaminant levels in fish tissue) in order that human health implications of dietary patterns can be assessed.

Reference No: 12 408 097 (S)

080

Christophers, Sandy
NWT Council for Disabled Persons
Box 1387
Yellowknife, NT X1A 2P1

Needs Assessment of Women with Disabilities in the NWT

Subject: S

Region: FS, IN, BA, KE, KI

Location: the Baffin, Fort Smith, Inuvik, Keewatin and Kitikmeot regions

Year of Research: 1993

The NWT Council for Disabled Persons will contact NWT women's groups and community representatives to develop contact lists for women with disabilities. In addition, the Council will develop and distribute a survey to identify issues and concerns for women with disabilities. These issues will be summarized and recommendations will be made.

Reference No: 12 410 420 (S)

081

Chun, Zarah

115 Home Economics Building
Department of Human Ecology
University of Alberta
Edmonton, AB T6G 2M8

Inuit Textiles Products in Broughton Island, NWT: A Cross-Cultural Case Study of Economic Development

Subject: S, EC, T

Region: BA

Location: Broughton Island

Year of Research: 1992

The researcher will identify and analyze the cultural factors of both the Inuit producer and the non-Inuit consumer which influence the production and design of Broughton Island products. Information collected will possibly be used by Inuit to create a successful product line.

Reference No: 12 410 399 (S)

082

Clarkson, Peter

Department of Renewable Resources
Government of the NWT
Bag Service #1
Inuvik, NT X0E 0T0

Grizzly Bear Productivity and Cub Survival

Subject: ML

Region: IN

Location: Richardson Mountains, Anderson and Horton Rivers

Year of Research: 1993

The researcher will monitor and determine female grizzly bear productivity and cub survival.

Reference No: (R)

083

Clarkson, Peter

Department of Renewable Resources
Government of the NWT
Bag Service #1
Inuvik, NT X0E 0T0

Grizzly Bear Habitat Comparison Within the Inuvialuit Settlement Area

Subject: ML, P, G

Region: IN

Location: the Inuvialuit Settlement Area

Year of Research: 1993

The researcher will compare the quality and quantity of available grizzly bear habitat in three areas in the Inuvialuit Settlement Area.

Reference No: (R)

084

Clarkson, Peter

Department of Renewable Resources

Government of the NWT

Bag Service #1

Inuvik, NT X0E 0T0

Grizzly Bear Population Estimate

Subject: ML

Region: IN

Location: the Richardson Mountains, Brock-Hornaday River areas

Year of Research: 1993

The researcher will determine numbers, sex and age of grizzly bears in the Richardson Mountains, in order to set appropriate sustainable quotas.

Reference No: (R)

085

Clayton, Terry

R.L. & L. Environmental Services Ltd.

17312 - 106 Avenue

Edmonton, AB T5S 1H9

1992 Fisheries Investigations in the South Basin

Subject: FI, CO, W

Region: KI

Location: Contwoyto Lake South Basin, the Lupin Gold Mine site

Year of Research: 1992

The researcher will obtain fisheries, water quality and bathometric information on Long Lake. The researcher will also obtain information on the relative abundance of fish in other water-bodies of the South Basin. Information will be collected on levels of metals in fish tissue from selected South Basin water-bodies.

Reference No: 12 402 531 (S)

086

Clayton, Terry

R.L. & L. Environmental Services Ltd.

17312 - 106 Avenue

Edmonton, AB T5S 1H9

Arctic Grayling Young-of-the-Year Movements and Contaminant Assessments

Subject: FI, CO, W

Region: KI

Location: the Lupin Mine site

Year of Research: 1993

The researcher will conduct a study on young-of-the-year Arctic grayling which are located in a small creek near a tailings pond of the Lupin Mine site. Approximately 100 hatched arctic grayling will be caught in order that contaminant analyses can be conducted on the tissues.

Reference No: 12 402 531 (S)

087

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

Contaminants Study on Fish of the Contwoyto Lake Area

Subject: FI, CO, W
Region: KI
Location: the Contwoyto and Concession Lakes area
Year of Research: 1993

The researcher will conduct an assessment of heavy metal contaminants in the fish of Contwoyto and Concession Lakes. Most of the study will concentrate on contaminants in lake trout, but analyses will be performed on the tissues of other fish species that are caught. The study will be based out of the Lupin Mine site at Contwoyto Lake.

Reference No: 12 402 531 (S)

088

Cohen, Stewart
Canadian Climate Centre
4905 Dufferin Street
Downsview, ON M3H 5T4

Mackenzie Basin Impact Study: Land Assessment

Subject: CL, EC, P, ML
Region: IN, FS
Location: Norman Wells, Inuvik, Tuktoyaktuk, Yellowknife
Year of Research: 1992, 1993

The Mackenzie Basin Impact Study will assess the potential impacts of global climatic change on the region. The component on land assessment will determine possible changes in land capability. Information on resource management goals is needed so that the study can assess whether changes in land capability might lead to conflicts over land use.

Reference No: 12 404 313 (S)

089

Collignon, Beatrice
c/o Hamlet Council Office
Holman Island, NT X0E 0S0

The Geographical Knowledge of the Inuit of the Copper Eskimo Area

Subject: G, S, T
Region: KI
Location: Cambridge Bay, Holman
Year of Research: 1992

The researcher will continue to investigate Inuit geography, geographical thoughts about the land and perception of space, and the way Inuit organize their knowledge of the land into a general explanation of the world around them.

Reference No: 12 410 370 (S)

090

Condon, Richard G.
Department of Anthropology
University of Arkansas
Fayetteville, AR USA 72701

Subsistence Hunting as an Economic/Ideological Adaptation among Young Canadian Inuit Adults

Subject: EC, S, T

Region: KI

Location: Holman Island

Year of Research: 1992

This ethnographic research project is designed to examine the degree to which young Inuit households are involved in traditional subsistence harvesting and how these activities are supplemented by recently introduced wage employment opportunities. The study will utilize participant-observation, as well as formal and informal interviews.

Reference No: 12 410 102 (S)

091

Conlan, Kathleen E.
Research Division
Canadian Museum of Nature
Box 3443, Station D
Ottawa, ON K1P 6P4

Ice Scour Disturbances and Structure of Arctic Bottom Communities

Subject: W, P, MI, MM, G

Region: BA

Location: Resolute Bay

Year of Research: 1992, 1993

The researcher will investigate the effect that sea ice has on shaping and scouring the sea bottom, since these actions may play a major role in determining the sea bottom environment and the types of plants and animals that may live there. They will revisit 1992 site to determine what new scours have appeared. Those locations with fresh scrapes on the bottom will be monitored over the years to determine how plants and animals return to the location.

Reference No: 12 402 514 (S)

092

Corkal, J.
c/o Stanton Yellowknife Hospital
Yellowknife, NT X1A 2N1

The Radiologic Incidence of Spondylolysis and Spondylolisthesis in the Canadian Inuit

Subject: H

Region: FS, IN

Location: Yellowknife, Inuvik

Year of Research: 1993

Certain defects of the lumbar spine are thought to occur at a very high rate in the Canadian Inuit. Studies have found a particular type of defect to be present at an incidence of 30 - 40 per cent. The incidence in a Caucasian population is 5 per cent. This study will document the incidence of spondylolysis and spondylolisthesis.

Reference No: 12 408 093 (S)

093

Cosens, Susan

Department of Fisheries and Oceans

Freshwater Institute

501 University Crescent

Winnipeg, MB R3T 2N6

Assessment of Potential Masking of Marine Mammal Sounds by Ship Noise

Subject: MM, S, EC

Region: IN

Location: the Sachs Harbour area, Cape Lampton region, Banks Island

Year of Research: 1992, 1993

The researcher will record whale sounds as well as 'normal' underwater sounds (background noise) and underwater sounds that boats make. The purpose of this research is to determine whether the sounds of boats interfere with the communication that occurs between beluga.

Reference No: 12 402 397 (S)

094

Cosens, Susan

Department of Fisheries and Oceans

Freshwater Institute

501 University Crescent

Winnipeg, MB R3T 2N6

Responses of Marine Mammals to Vessel Noise

Subject: MM, S, EC

Region: IN

Location: Sachs Harbour area, Cape Lampton region, Banks Island

Year of Research: 1992, 1993

The researcher will test the responses of beluga whales to recorded underwater (background) and boat noise. The whales' behaviour to the recorded noises will be used to determine if belugas alter their behaviour to boat traffic.

Reference No: 12 402 397 (S)

095

Cota, Glenn

Graduate Program in Ecology

590 Dabney

University of Tennessee

Knoxville, TN USA 37996-1610

Sea Ice Bio-Optics, Organobromine Fluxes and Ozone Depletion in the Arctic

Subject: MI, AT, W

Region: BA

Location: Resolute Passage near Sight Point

Year of Research: 1992, 1993

"Brown ice" is caused by microscopic plants called ice algae. These plants comprise the base of the food chain, serving as food for small animals. Because of their dark colouration, ice algae absorb light and produce heat. We are studying what colours and how much light is absorbed by these plants. We are also measuring ozone concentrations over sea ice, as well as the transfer of natural gases produced by the algae to the air to study ozone depletion.

Reference No: 12 402 478 (S)

096

Couture, Richard D.
6th Floor, Coopers & Lybrand Building
Rescan Environmental Services Ltd.
510 - 11 West Hastings Street
Vancouver, BC V6E 2J3

Environmental Study of the Aquatic Resources in the Spyder Lake Area

Subject: FI, MI, I, CO, EC
Region: KI
Location: Spyder Lake area (150 km SE of Bathurst Inlet)
Year of Research: 1993

The researcher will conduct an assessment of the types of fish and other aquatic organisms that are found in the Spyder Lake area. Tissue samples will be collected in order to assess heavy metal contaminants in fish. An environmental report will be submitted to the territorial government based on the results of this study.

Reference No: 12 402 496 (S)

097

Couture, Richard D.
6th Floor, Coopers & Lybrand Building
Rescan Environmental Services Ltd.
510 - 11 West Hastings Street
Vancouver, BC V6E 2J3

Environmental Study of the Aquatic Resources of the Lac de Gras Area

Subject: FI, MI, I, CO, EC
Region: FS
Location: the Lac de Gras area
Year of Research: 1993

The researcher will conduct an assessment of the types of fish and other aquatic organisms that are found in the Lac de Gras area. Tissue samples will be collected to assess heavy metal contaminants in fish.

Reference No: 12 402 496 (S)

098

Couture, Richard D.
6th Floor, Coopers & Lybrand Building
Rescan Environmental Services Ltd.
510 - 11 West Hastings Street
Vancouver, BC V6E 2J3

Environmental Study of the Aquatic Resources of the Thonokeid Lake Area

Subject: MI, FI, I, CO, EC
Region: FS
Location: the Thonokeid Lake area
Year of Research: 1993

The researcher will conduct an assessment of the types of fish and other aquatic organisms that are found in the Thonokeid Lake area. Tissue samples will be collected to assess heavy metal contaminants in fish.

Reference No: 12 402 496 (S)

099

Coyne, Kathleen

South Slave Research Centre

Box 45

Fort Smith, NT X0E 0P0

Human Resource Profile and Plan for the Salt River First Nation

Subject: S, ED, EC

Region: FS

Location: Fort Smith

Year of Research: 1993

This study will provide to the Band Council an education and employment needs assessment, and a planning document to guide future endeavours aimed at promoting education and employment. Band Council and members will have maximum input into the design of the study and the final plan. Surveys of Band members will be conducted in order to collect information about employment age, high school student needs and opportunities for human resource development.

Reference No: 12 410 430 (S)

100

Coyne, Kathleen

South Slave Research Centre

Box 45

Fort Smith, NT X0E 0P0

Mental Health Services Study for the South Slave Region

Subject: S, H

Region: FS

Location: Fort Smith, Hay River

Year of Research: 1993

The overall purpose of the study is to compile the data required to make informed decisions with respect to the hiring of a mental health specialist for the South Slave Region and to design a coordinated strategy for improved mental health services. The study is conducted on behalf of a group of social services agencies and is guided by a steering committee that includes representatives from these agencies.

Reference No: 12 410 430 (S)

101

Crawford, Lorie

108 Hordal Road

Yellowknife, NT X1A 3M4

Perspective on Mental Health and Illness by Selected Dogrib Women Patients

Subject: S, H

Region: FS

Location: Yellowknife

Year of Research: 1992

The purpose of this research is to identify Dogrib perspectives surrounding mental health and illness. Women from Dogrib communities who are currently receiving treatment for a long-term mental illness will be interviewed to learn their perceptions of need for treatment, what their expectations are and how their familial relationships have shifted over the course of treatment.

Reference No: 12 408 089 (S)

102

Crease, Teresa

Department of Zoology

University of Guelph

Guelph, ON N1G 2W1

Mitochondrial DNA Diversity in High-Arctic Populations of Daphnia pulex

Subject: W, MI

Region: IN

Location: Tuktoyaktuk

Year of Research: 1992

The researcher and her team will collect Daphnia pulex (water flea) samples and maintain them in culture to obtain sufficient material for genetic analysis.

Reference No: 12 402 520 (S)

103

Cressey, Jason

c/o Department of Psychology

2136 West Mall

University of British Columbia

Vancouver, BC V6T 1Z4

Children's Friendship Through The School Years: A Non-Verbal Cross-Cultural Perspective

Subject: ED, H, S, T

Region: BA

Location: Igloolik

Year of Research: 1992

The research project concentrates on the non-verbal aspects of communication (facial expression, gestures, etc.) and aims to identify what role these factors may play in the friendship process using children from three different age groups and three different cultures.

Reference No: 12 410 387 (S)

104

Cumbaa, S.L.

Canadian Museum of Nature

Box 3443, Station D

Ottawa, ON K1P 6P4

Late Cretaceous and Early Tertiary Fossil Fishes of the Eureka Sound Group

Subject: FO, FI, ML, MM

Region: BA

Location: Axel Heiberg Island, Geodetic Hills, Mokka Fiord

Year of Research: 1992

The researcher will look for bones of fish, reptiles and mammals that can help us better understand the kinds of environments that were present in the Arctic between 70 and 45 million years ago.

Reference No: 12 412 030 (S)

105

Curtis, Mark A.

Associate Professor

Institute of Parasitology

21, 111 Lakeshore Road

Ste-Anne-de-Bellevue, PQ H9X 1C0

Polar Ecology Field Research

Subject: MI, W, FI

Region: BA

Location: Igloolik

Year of Research: 1992

The research scientists and graduate students involved are primarily interested in three topics in the aquatic ecosystems of the Igloolik region: (1) the species composition of marine phytoplankton; (2) the cold adaption physiology of polar cod; (3) the parasites of arctic char.

Reference No: 12 402 431 (S)

106

Danglure, Bernard Saladin

Groupe d'Etudes Inuit et Circumpolaires

Pavillon Jean-Durand

Universite Laval

Montreal, PQ G1K 7P4

Inuit Traditional and Modern Leadership from the Shamans' Era to the Up-Coming Self-Government Period

Subject: S, T

Region: BA, FS

Location: Iqaluit, Igloolik, Inuvik

Year of Research: 1992

The research will involve the study of Inuit leaders and political development. How one becomes a leader among the Inuit, both traditionally and in the present time, using factors such as kinship, leadership, personal performance, authority and religious power will be investigated.

Reference No: 12 410 012 (S)

107

D'Entremont, Andre

Environmental Protection Conservation

NWT District Office

Box 370

Yellowknife, NT X1A 2N3

An Assessment of the Environmental Impacts on Strathcona Sound from the Nanisivik Mine

Subject: EC, CO

Region: BA

Location: Strathcona Sound

Year of Research: 1992

The researcher will assess the extent of trace metal migration in Strathcona Sound to determine if this contamination could result in any toxic effects on biota, and to assess the effectiveness of environmental monitoring methods in the high arctic.

Reference No: 12 402 354 (S)

108

Dahlke, Lothar

Department of Fisheries and Oceans

Box 1871

Inuvik, NT X0E 0T0

Monitoring the Mackenzie Delta Exploratory Fishery

Subject: FI, EC

Region: IN

Location: Inuvik

Year of Research: 1993

Three crews of two people each will be stationed at the commercial fishing camps to obtain biological and catch effort data from the fisherman. A supervisor will oversee the project in the field and set some experimental nets in the vicinity of the commercial nets at one of the camps. A minimum of 200 whitefish samples will be obtained from the fishermen's catch.

Reference No: 12 402 552 (S)

109

Dallimore, Scott R.

Geological Survey of Canada

601 Booth Street

Ottawa, ON K1A 0E8

Mackenzie Delta Permafrost/Geology Transect

Subject: G, W

Region: IN

Location: Mackenzie Delta, NWT

Year of Research: 1992

A transect consisting of geotechnical boreholes and detailed geophysical studies will document the geological, geothermal and geotechnical conditions of perennially frozen sediments at three sites on Richards Island in the Mackenzie Delta.

Reference No: 12 404 359 (S)

110

Dallimore, Scott R.

Geological Survey of Canada

601 Booth Street

Ottawa, ON K1A 0E8

Ground Ice Studies of the Tuktoyaktuk Coastlands

Subject: G, W

Region: IN

Location: Tuktoyaktuk Peninsula, Richards Island

Year of Research: 1992, 1993

Measurements of slope and ground temperature will be collected at three sites located east of Tuktoyaktuk and on northern Richards Island. Selection of the sites will be determined in the field, but are expected to be at a location south of Gruben's fish camp in Eskimo Lakes and at the west end of Richards Island at North Head.

Reference No: 12 404 359 (S)

111

Davidge, Gillian
Department of Geography
Queen's University
Kingston, ON K7L 3N6

Physical Limnology of Romulus Lake

Subject: W
Region: BA
Location: Romulus Lake, Fosheim Peninsula, Ellesmere Island
Year of Research: 1992

A limnological study of Romulus Lake (specifically temperature, salinity and suspended particulate matter), in association with the pattern of lake-ice development and inflow from the lake basin will be used to determine the effects of the modern hydrologic environment on the lake.

Reference No: 12 404 308 (S)

112

Davis, P. Thompson
Department of Natural Sciences
Bentley College
175 Forest Street
Waltham, MA USA 01075475

**Late Wisconsin (Late Foxe) Glacial Extent in Pangnirtung Fiord - Cumberland Sound Area
Baffin Island, Canada**

Subject: W
Region: BA
Location: Pangnirtung Fiord, Pangnirtung Pass
Year of Research: 1992

The researcher will continue to map and survey glacial abrasion limits. The researcher will also collect, describe and analyze soil samples from the Pangnirtung Pass and Pangnirtung Fiord areas to determine the direction and vertical extent of ice flow.

Reference No: 12 404 055 (S)

113

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

**Resource Utilization and Competition Among High Arctic Hydroporus Species
(Coleoptera: Dytiscidae)**

Subject: I, W
Region: BA
Location: Alexandra Fiord, Ellesmere Island
Year of Research: 1992

Hydroporus morio and H. Polaris (two species of small aquatic beetles) coexist as major predators in a series of shallow temporary ponds at Alexandra Fiord. This study will investigate the biology of predaceous insects in freshwater habitats in the high Arctic.

Reference No: 12 402 489 (S)

114

Delisi, Joanne C.
96 Parkgrove Crescent
Delta, BC V4L 2G3

Western Arctic Women Artists

Subject: S, T, EC, ED
Region: IN
Location: Inuvik
Year of Research: 1992, 1993

The researcher will investigate the role of art in the lives of women in the Western Arctic, the effect of formal and traditional education in the early learning of women's art forms and how the role of women in the family and society has changed through art. Research will also be conducted to determine how increased pressure on women to support their families has changed the art forms and how the women feel their skills can be passed on to future generations.

Reference No: 12 410 226 (S)

115

Dickins, David F.
DF Dickins Associates Ltd.
503 - 21 Water Street
Vancouver, BC V6B 1A1

Beaufort Sea Oily Waste Disposal Sites

Subject: CO, S
Region: IN
Location: Beaufort Sea Coast, King Point to Cape Bathurst
Year of Research: 1992

The survey will consist of airborne video, ground observations and meetings in Inuvik with concerned government agencies, and community representatives on the disposal of oil.

Reference No: 12 404 474 (S)

116

Dixon, James
Geological Survey of Canada
Institute of Sedimentary & Petroleum Geology
3303 - 3rd Street NW
Calgary, AB T2L 2A7

Stratigraphy and Sedimentology of Carboniferous to Triassic Strata

Subject: G
Region: IN
Location: northern Richardson Mountains (McDougall Pass), the Aklavik Range
Year of Research: 1992, 1993

Geological studies will be conducted in the northern Richardson Mountains and the Aklavik Range to gain a better understanding of the geology of this area. This ongoing study involves identifying, measuring and sampling the different types of rock found at selected sites.

Reference No: 12 404 421 (S)

117

Dickson, Lynne
Canadian Wildlife Service
4999 - 98 Avenue
Edmonton, AB T6B 2X3

Sea Duck Monitoring Program at Victoria Island

Subject: B
Region: IN, KI
Location: McKinley Bay, Victoria Island
Year of Research: 1993

The researcher will determine the distribution, abundance and habitat preference of king eiders nesting on western Victoria Island, as well as monitor the sea duck population at McKinley Bay.
Reference No: (R)

118

Dixon, O.A.
Department of Geology
University of Ottawa
Ottawa, ON K1N 6N5

Upper Silurian Reef Mounds at the Douro-Devon Island Formational Boundary, Devon and Southwestern Ellesmere Islands

Subject: FO, I, CL
Region: BA
Location: Devon and southwestern Ellesmere Islands
Year of Research: 1992, 1993

In the Arctic Islands, the researcher will study rocks and the fossils found within these rocks that were formed more than 400 million years ago in warm tropical seas. This study is expected to help in describing the temperatures, climate and water depths of these ancient seas. The researcher is also studying the types of fossil corals and sponge-like animals that are not present in our seas today.
Reference No: 12 412 037 (S)

119

Douglas, Anne
Department of Administration & Policy Studies in Education
McGill University
3724 McTavish Street
Montreal, PQ H3A 1Y2

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

Subject: ED, S, T
Region: BA
Location: Arctic Bay
Year of Research: 1992, 1993

The purpose of this research is to understand the way community members make decisions and manage change with respect to the school system. As a result of previous years' research, the researcher has determined that there may be differences between the institution of formal schooling and the institutions that guide Inuit life. The researcher will identify the types of changes required in order to achieve greater success in combining the two sets of institutional values.
Reference No: 12 410 354 (S)

120

Downie, Bruce K.
2034 Casa Marcia Crescent
Victoria, BC V8N 2X3

Preparation of a Management Plan for the Pingos Canadian Landmark

Subject: G
Region: IN
Location: Tuktoyaktuk, Inuvik
Year of Research: 1992

Begun in 1991, the researcher will continue to prepare a management plan for the Pingos Canadian Landmark.

Reference No: 12 410 391 (S)

121

Damkjar, Eric
7701 - 86 Avenue
Edmonton, AB T6G 2H4

Impact Assessment of a Proposed Mine Site on Archaeologic Resources

Subject: EC, AR
Region: KI
Location: Izok Lake, Coronation Gulf
Year of Research: 1993

The researcher will spend two weeks conducting an archaeological impact assessment of a proposed mine development at Izok Lake, just west of Itchen Lake.

Reference No: 208-31 (P)

122

Driscoll, Bernadette T.
#102 - 3020 Porter Street NW
Washington, DC USA 20008

Inuit Clothing: A Study in the Transformation of Culture

Subject: T, S, EC
Region: KI
Location: Holman, Coppermine, Cambridge Bay
Year of Research: 1992

The researcher will examine indigenous clothing design and clothing change in the Kitikmeot region. The researcher will record the historical change from fur to fabric clothing, investigate the continuing importance of fur clothing to hunters and detail the social and economic significance of maintaining sewing skills within Inuit families.

Reference No: 12 410 318 (S)

123

Dyke, Larry

Geological Survey of Canada

601 Booth Street

Ottawa, ON K1A 0E8

Permafrost Adjustment to Coastal and Deltaic Processes: Beaufort Sea and Mackenzie Delta, NWT

Subject: W, G

Region: IN

Location: Mackenzie River, Mackenzie Delta

Year of Research: 1992

The research will involve permafrost adjustment studies on the outer Delta. As well preliminary work on landslide mechanisms along the Mackenzie River between Norman Wells and the head of the Mackenzie Delta will be undertaken. The purpose of the work is to understand the importance of sedimentary processes in controlling the growth and disappearance of permafrost along the coast of the Beaufort Sea.

Reference No: 12 404 250 (S)

124

Dyke, Larry

Geological Survey of Canada

601 Booth Street

Ottawa, ON K1A 0E8

Implications of Climate Change for Slope Stability in the Mackenzie Valley

Subject: CL, W, G, P

Region: IN

Location: Peel River, Thunder River, Tenlen Lake, Mountain River

Year of Research: 1993

In this ongoing study, the frequency and characteristics of landslides occurring in the Mackenzie Valley area are examined. The research will determine the roles that forest fires, climate changes and water flow in rivers play in the location and number of landslides. The field work will involve taking measurements on past landslides that include measuring permafrost features and taking core samples from trees (to provide an estimate of the date of the landslide).

Reference No: 12 404 250 (S)

125

Edgecombe, Nancy A.

11128 - 125th Street

Edmonton, AB T5M 0M3

Value Orientation Profile of the Copper Inuit

Subject: S, T, H

Region: KI

Location: Coppermine

Year of Research: 1993

'Value Orientation Profiles' have been used to describe the values of various cultural groups as well as to compare cultural groups to identify areas of conflict. Copper Inuit adults will be interviewed for approximately 45 minutes, during which time they will be asked to answer questions about hypothetical situations. Answers to these questions will be examined in light of existing health care that is currently provided to this group.

Reference No: 12 408 094 (S)

126

Edwards, Thomas W.D.
Department of Earth Sciences
Faculty of Science
University of Waterloo
Waterloo, ON N2L 3G1

Evaporation Studies at Northern Mine Sites

Subject: EC, W, CO
Region: FS, BA, KI
Location: Giant, Salmita, Lupin and Nanisivik mine sites
Year of Research: 1993

The proposed research is part of an ongoing program of hydrological studies in the north aimed at improving the understanding of how water cycles through natural drainage systems. This year, the researcher will examine water evaporation on lakes and ponds that are located on mine sites. Results from this research will aid in the design of better tailings impoundments containing mine wastes/contaminants.

Reference No: 12 404 345 (S)

127

Egginton, Paul A.
Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Periglacial Processes: Investigation of Slope Processes

Subject: W, G
Region: IN
Location: Tuktoyaktuk Peninsula, northern Richards Island, Norman Wells
Year of Research: 1992

This year's work continues the measurement of creep (movement) of ice-rich slopes in permafrost. Landslide distribution in the lower Mackenzie Delta (Norman Wells area) will also be mapped.

Reference No: 12 404 351 (S)

128

Elkin, Brett
Department of Renewable Resources
Government of the NWT
600, 5102 - 50th Avenue
Yellowknife, NT X1A 3S8

Organochlorine and Heavy Metal Contaminants in Fish Eating Furbearers

Subject: CO, ML
Region: FS, IN
Location: Fort Smith, Sahtu, Inuvik
Year of Research: 1993

The researcher will provide important information on the type, baseline levels and geographic distribution of contaminants in mink, and will determine if contaminants have any impact on the reproductive success of mink.

Reference No: (R)

129

Elkin, Brett

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

A Survey of Disease, Parasites and Environmental Contaminants on Caribou

Subject: CO, ML

Region: KI

Location: Cambridge Bay

Year of Research: 1993

The researcher will monitor caribou for presence of brucellosis, other diseases and parasites and to determine levels of organochlorine, heavy metal and radionuclide in caribou.

Reference No: (R)

130

Elkin, Brett

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Survey of Environmental Contaminants in Wolves

Subject: CO, ML, P

Region: KI

Location: the Kitikmeot region

Year of Research: 1993

The researcher will determine the levels of organochlorine, heavy metal and radionuclide contaminants in wolves, and relate levels of contaminants in wolves to the lichen-caribou-wolf food chain.

Reference No: (R)

131

Elliot, Nancy

23 Fraser Street

Port Hope, ON L1A 1Z9

The Origins, Development and Future of World Heritage Sites in Canada

Subject: G, EC

Region: FS

Location: Wood Buffalo National Park & Nahanni National Park Reserve

Year of Research: 1993

As part of a study that includes all Canadian World Heritage Sites, the researcher will visit Wood Buffalo National Park and Nahanni National Park Reserve in order to study current resource management issues. The researcher will conduct interviews with park personnel to gain first-hand knowledge and appreciation of the regional characteristics of these sites, as well as specific management issues.

Reference No: 12 410 443 (S)

132

Ellis, R.A.

Prairie Pest Management

P.O. Box 757

Carman, MB R0G 0J0

Mosquito Baseline Study for the City of Yellowknife

Subject: I

Region: FS

Location: Yellowknife

Year of Research: 1993

The mosquito baseline study is aimed at determining which mosquito species breed in and around Yellowknife. While sampling for mosquito larvae, samples of non-target (i.e., other) insect species will also be taken to determine which of these species are natural predators or parasites of mosquitoes, or should be protected for other reasons. The City of Yellowknife will be provided with recommendations on alternative mosquito management methods.

Reference No: 12 402 542 (S)

133

Engebretson, Mark J.

Department of Physics

Augsburg College

731 - 21st Avenue South

Minneapolis, MN USA 55454

Magnetometer Array for Cusp and Cleft Studies (MACCS)

Subject: MA

Region: BA, KI

Location: Pangnirtung, Cape Dorset, Coral Harbour, Repulse Bay, Clyde River, Igloodik, Pelly Bay, Gjoa Haven

Year of Research: 1992, 1993

The researcher and his team will install magnetometers at four sites. These instruments passively measure the earth's magnetic field. The MACCS project is part of a large international campaign to better understand the transfer of energy from the sun, via the solar wind, to the earth's magnetosphere and ionosphere.

Reference No: 12 404 473 (S)

134

England, John

Department of Geography

University of Alberta

Edmonton, AB T6G 2H4

Past Glaciation, Landscape Evolution and Climatic Change in the Canadian High Arctic

Subject: G, CL, W

Region: BA

Location: east-central Ellesmere Island, Hazen Plateau, Eureka Sound

Year of Research: 1993

The effects of glaciation on the Arctic landscape remain uncertain and much more mapping and field studies remain to be done. Although it is commonly assumed that global warming will lead to the melting of glaciers, this view ignores the more important role that snowfall plays in the growth of glaciers (i.e., warmer climate leads to increased snowfall and a growth in glaciers). This study will examine this idea as it relates to glaciation in the high Arctic.

Reference No: 12 404 141 (S)

135

English, Michael

Cold Regions Research Centre

Wilfrid Laurier University

75 University Avenue

Waterloo, ON N2L 2C5

**Hydrology and Geochemistry of Terrestrial Drainage in the Expedition
Fiord Region of Axel Heiberg Island, NWT**

Subject: W, G

Region: BA

Location: Resolute Bay, Axel Heiberg Island

Year of Research: 1992

The researcher will investigate the terrestrial hydrological pathways of water draining into surface streams, rivers and lakes in the high arctic. As well, the researchers will attempt to understand the vadose and phreatic zone dynamics in the seasonal active layer, and quantify the geochemical reactions within the groundwater.

Reference No: 12 404 425 (S)

136

Engstrom, Mark D.

Department of Mammalogy

Royal Ontario Museum

100 Queen's Park

Toronto, ON M5S 2C6

Speciation and Historical Biogeography of Collared Lemmings

Subject: G, ML

Region: KE, BA

Location: the Baffin and Keewatin regions

Year of Research: 1993

The researcher will analyze for chromosomal DNA, genetic and morphological information in collared lemmings.

Reference No: (R)

137

Evans, Marlene S.

Environmental Sciences Division, NHRI

11 Innovation Blvd

Saskatoon, SK S7N 3H5

Influence of the Slave River on Great Slave Lake

Subject: W, P, MI

Region: FS

Location: Great Slave Lake, Hay River, Snowdrift, Fort Resolution

Year of Research: 1992

The researchers will collect a series of sediment and water samples. These will be analyzed for plant nutrients, concentration of microscopic plant cells, bacteria, suspended solids, dissolved oxygen and organic contaminants. Microscopic animals will also be netted. The researchers will determine the abundance and composition of the animals and conduct experiments to measure their feeding rates and fat content.

Reference No: 12 402 503 (S)

138

Fahselt, D.

Department of Plant Sciences
University of Western Ontario
London, ON N6A 5B7

Isozyme Variability of Lichens in Relation to Latitude

Subject: P

Region: BA

Location: Truelove Lowland, Devon Island

Year of Research: 1992

The researcher will compare the levels of enzyme variation from populations of umbilicate species from the Arctic, as well as from the southern limit of their ranges in southeastern USA. The objective will be to ascertain whether there is any correlation between the level of variability in enzyme patterns and latitude.

Reference No: 12 402 445 (S)

139

Farquhar, James

1 - 26 Earth Sciences Building
University of Alberta
Edmonton, AB T6G 2E3

Geochemical Study of Graphitic Pegmatite Dikes and Associated Gneisses near Ghost Lake, District of Mackenzie, NWT

Subject: G

Region: FS

Location: Snare River, Ghost Lake

Year of Research: 1992

The researcher will study chemical and physical interactions between granitic magma and its host rocks. The research aims to characterize both the metamorphic conditions (temperature and pressure of metamorphism) and the chemical changes that occur as a result of interaction between the magma and the metamorphic gneisses.

Reference No: 12 404 467 (S)

140

Farquhar, James

1 - 26 Earth Sciences Building
University of Alberta
Edmonton, AB T6G 2E3

A Study of Metamorphism Near Ghost Lake, NWT

Subject: G

Region: FS

Location: Ghost Lake area

Year of Research: 1993

We will be examining the metamorphic rocks (which belong to the geologic area termed the Slave Province) located near Ghost Lake. The information and samples collected will help to determine the types of geological events and processes which created the metamorphic rocks of the region.

Reference No: 12 404 467 (S)

141

Fassnacht, Steven
Studies and Hydrology
NWT Programs Branch, Box 2970
Inland Waters Directorate
Environment Canada
Yellowknife, NT X1A 2R2

Mackenzie Delta Channel Cross Sections Taken During the 1992 Summer

Subject: W, G
Region: IN
Location: Mackenzie Delta
Year of Research: 1992

The research will involve travelling from the upper delta in the Peel and Esau Channel area to the lower Mackenzie Delta in the Taglu and Niglintgak area. The cross-section depth of various channels will be measured using a depth-sounder measuring device affixed to the stern of the boat.
Reference No: 12 404 290 (S)

142

Fassnacht, Steven
Studies and Hydrology
NWT Programs Branch, Box 2970
Inland Waters Directorate
Environment Canada
Yellowknife, NT X1A 2R2

East Channel (Mackenzie Delta) Scour Hole Investigations

Subject: G, W
Region: IN
Location: East Channel of the Mackenzie Delta
Year of Research: 1992

At both the East Channel (Mackenzie Delta) and at Cabin Creek, the elevation at various cross-sections will be measured so that a detailed contour map may be plotted. River bed material will be sampled to determine the size distribution of the material.
Reference No: 12 404 290 (S)

143

Ferguson, Brian
Habitat Biologist
Department of Fisheries and Oceans
Box 1871
Inuvik, NT X0E 0T0

Western Arctic Area Stream Inventory and Assessment

Subject: G, W, MI, FI
Region: IN
Location: Tuktoyaktuk Peninsula
Year of Research: 1993

The researcher will visit selected locations on the Tuktoyaktuk Peninsula in order to measure the physical and chemical characteristics of streams, as well as to document the different types of freshwater animals found in these streams. This information will be important in assessing the fish habitats and fishery potential of the region. In addition, the information may be important in assessing possible impacts of development on fish populations.
Reference No: 12 402 553 (S)

144

Ferguson, Mike

Department of Renewable Resources

Government of the NWT

Pond Inlet, NT X0A 0S0

South Baffin Caribou Population Study

Subject: ML, P

Region: BA

Location: the Baffin region

Year of Research: 1993

The researcher will determine seasonal movements, annual fidelity to seasonal range, differences in snow and vegetation conditions in foraging areas, and identify forage species and relative condition.

Reference No: (R)

145

Finley, Kerry J.

KJ Finley Ecological Research

10232 Summerset Place

Sidney, BC V8L 4X2

International Conservation Strategy for the Endangered Bowhead Whale of Baffin Bay.

Subject: MM

Region: BA

Location: Isabella Bay, Baffin Island

Year of Research: 1992, 1993

Since 1983, World Wildlife Fund has supported research on the bowhead of Isabella Bay. This research, has identified Isabella Bay to be one of the most important habitats for bowhead in the Eastern Arctic. The whales use the area to feed, socialize and shelter from killer whales. The researcher will determine numbers, distribution and local movements of bowheads, and provide detailed data on the activity budgets and surface-dive parameters of bowheads to correlate with patterns of habitat use. As well, the researcher will document the feeding patterns of bowheads, and are proposing to use satellite telemetry to study the larger scale movements of bowheads in Baffin Bay.

Reference No: 12 402 525 (S)

146

Fisk, Aaron

Department of Biological Sciences

University of Windsor

Windsor, ON N9B 3P4

Congener Patterns of Contaminants in Fish and Sediments of the Mackenzie River Basin

Subject: CO, FI

Region: IN, FS

Location: Fort Simpson, Fort Good Hope, Norman Wells

Year of Research: 1993

The researcher plans to take samples of sediments and fish from sites near the three settlements in order to determine the types of contaminants that are present in the environment, as well as those that collect or accumulate in the tissues of fish. This study will benefit other studies that have examined contaminants in NWT wildlife, as fish are preyed upon by a variety of wildlife species. The researcher will collect 54 fish and sediment samples.

Reference No: 12 402 403 (S)

147

Fitzhugh, William

Department of Anthropology

Smithsonian Institution

Washington, DC USA 20560

Archaeology of the Frobisher Voyages IV

Subject: AR, T

Region: BA

Location: outer Frobisher Bay

Year of Research: 1992, 1993

This project was initially organized in 1990 to explore the archaeology and history of Frobisher Bay, with emphasis on the Frobisher voyages (1576-78), Inuit oral history and Inuit archaeology. The role of the Smithsonian Institution has been to conduct surveys and studies of European-Inuit contact at Inuit settlements dating to and after the Frobisher era. During 1990-92, efforts concentrated on the excavation of historic Inuit sites. In 1993, a survey of the outer bay will be completed and Dorset sites dating from 2500 to 800 years ago will be excavated.

Reference No: 208-62 (P)

148

Fletcher, W.K.

Department of Geological Sciences

University of British Columbia

Vancouver, BC V6T 1Z4

Exploration Geochemistry of Gold, Slave Province, NWT

Subject: W, EC

Region: KI

Location: near Spyder Lake, 140 km south of Cambridge Bay

Year of Research: 1992

The research will involve the collection of soil, lake sediments and waters. Soil and lake sediments will be sieved to give different size fractions (sand, silt, clay, etc.), and each fraction analyzed for gold to determine which size fraction is best to use in gold exploration.

Reference No: 12 404 342 (S)

149

Flood, Peter

Dept. of Veterinary Medicine, WCVN

University of Saskatchewan

Saskatoon, SAK S7N 0W0

Replenishing Muskox Captive Breeding Stock for Captive Research

Subject: ML

Region: KI

Location: the Kitikmeot region

Year of Research: 1993

The researcher will capture muskox calves to replenish captive breeding stock for captive research herd at Western College of Veterinary Medicine, University of Saskatchewan.

Reference No: (R)

150

Fraser, J. Keith

571 Fraser Avenue

Ottawa, ON K2A 2R3

Historical Geography of the Communities of Cambridge Bay and Spence Bay, NWT

Subject: G, S, T

Region: KI

Location: Cambridge Bay, Spence Bay

Year of Research: 1992

The researcher will study the historical geography of the central part of the Kitikmeot Region. This will include investigations into the landscapes of the region and the changing relationship of people with the land, both the Aboriginal inhabitants and the Europeans who followed. The emphasis of this study is on developments over the past four decades.

Reference No: 12 410 389 (S)

151

Fraser, Paul

Department of Renewable Resources

Government of the NWT

Bag Service #1

Inuvik, NT X0E 0T0

Population Dynamics of Muskoxen and Caribou on Banks Island

Subject: ML

Region: IN

Location: Banks Island

Year of Research: 1993

The researcher will monitor population status, body condition and disease status, determine population trends and conduct classification counts of muskox and caribou.

Reference No: (R)

152

Fraser, Paul

Department of Renewable Resources

Government of the NWT

Bag Service #1

Inuvik, NT X0E 0T0

Bluenose Caribou Population Dynamics

Subject: ML

Region: IN

Location: the Inuvik region

Year of Research: 1993

The researcher will determine sex and age of Bluenose caribou on the postcalving grounds in the fall, and will estimate population size of the herd.

Reference No: (R)

153

Freeman, Milton M.R.
Canadian Circumpolar Institute
University of Alberta
Edmonton, AB T6G 2E9

The Broad Whitefish Traditional Ecological Knowledge Study

Subject: FI, S, T
Region: IN
Location: Aklavik, Inuvik
Year of Research: 1992, 1993

Under the direction of the Aklavik and Inuvik Hunters and Trappers Committees, the research team will carry out interviews with Inuvialuit knowledgeable about the broad whitefish and its fishery in the local waters. The researcher will obtain information on the traditional fishery, changes to this fishery, knowledge about the breeding and feeding habits, migrations, parasites and diseases, and effects of local environmental changes on whitefish.

Reference No: 12 402 507 (S)

154

French, Hugh M.
Department of Geology
University of Ottawa
161 Louis Pasteur
Ottawa, ON K1N 6N5

Pleistocene Sand Wedges and Thermal Contraction Cracks on Richards Island

Subject: G
Region: IN
Location: Richards Island
Year of Research: 1993

This study will examine cracks in permafrost that have been filled in with wind-blown sand. In cliffs, these filled-in cracks appear as 'veins' of sand. Distribution and characteristics of these veins of sand will be recorded. This information will determine the history behind how the cracks formed and the environmental conditions of the Mackenzie Delta up to 40,000 years ago.

Reference No: 12 404 074 (S)

155

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

Precambrian Shield of the Boothia Uplift

Subject: G
Region: KI, BA
Location: Prince of Wales and Somerset Islands
Year of Research: 1992

Large scale faults and folds are exposed on the shores of Prince of Wales Island. The rocks and structures in this region will be examined to help resolve the geological history of the uplift.

Reference No: 12 404 460 (S)

156

Frund, Jean-Louis
Les Productions J.L. Frund Inc.
4100 Grande-Coulee
St. Edouard, PQ J0K 2H0

Documentary Film on the Snowy Owl

Subject: B, ED
Region: KE
Location: the Keewatin region
Year of Research: 1993

The researcher will produce a documentary film on the snowy owl and its habitat.
Reference No: (R)

157

Fyles, John G.
Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Early Quaternary and Late Tertiary Geology and Geomorphology, Arctic Islands

Subject: G, FO, ML, P
Region: BA
Location: Resolute Bay, Ellesmere Island, Strathcona Fiord
Year of Research: 1992

The researcher will revisit the "beaver peat" locality and will measure, describe, photograph and sample the exposed peaty material in greater detail than before. A detailed search will be made for fossil bones and beaver-gnawed sticks, as well as for additional fossils. Other sites where similar substrates containing fossil wood or other plant materials will also be visited.

Reference No: 12 404 448 (S)

158

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

Holocene Paleoecology of the Central Canadian Arctic Islands

Subject: P, CL, FO
Region: BA
Location: north Prince of Wales, south Bathurst & mid-Ellesmere Islands
Year of Research: 1992, 1993

This ongoing project examines how vegetation has changed in response to changes in climate. The researcher will use the history of vegetation, as recorded by the fossilized pollen that is present in lake sediments, to determine how vegetation in the arctic has changed over thousands of years. Fossilized pollen will be collected by taking core samples from lake bottoms on Prince of Wales and Bathurst Islands. Present day pollen will be collected on Ellesmere Island.

Reference No: 12 412 036 (S)

159

Gal, Ruth Ann
8th Floor, General Services Building
Forest Science, University of Alberta
Edmonton, AB T6G 2H1

A Northern Forest Ecosystem Simulation Model of Early Post-Fire Tree Seedling Establishment, Growth and Competition

Subject: P
Region: FS
Location: Hay River, Wood Buffalo National Park
Year of Research: 1992

The researcher will investigate physiological rates and relationships for tree growth from the literature and substitute the data into a functional model. This model will be calibrated against intensive sampling within Wood Buffalo National Park over dry, mesic and wet landscapes.
Reference No: 12 402 519 (S)

160

Gal, Ruth Ann
8th Floor, General Services Building
Forest Science, University of Alberta
Edmonton, AB T6G 2H1

Modelling the Establishment and Growth of Post-Fire Tree Seedlings

Subject: P
Region: IN, FS
Location: Hay River, Norman Wells, Fort Simpson, Porter Lake
Year of Research: 1993

As a result of global warming (which results from increased amounts of carbon dioxide in the atmosphere), it is suggested that the number of forest fires and the amount of area burned may increase in the northern boreal forests. The types of trees that grow first in these burned areas may be different from those that would have grown in if the climate was cooler. Data will be collected at burn sites, including types and amounts of seedling trees and tree growth rate.
Reference No: 12 402 519 (S)

161

Gan, Thian Yew
Water Resources Division
Indian and Northern Affairs Canada
Box 1500
Yellowknife, NT X1A 2R3

An Algorithm for Estimating Aerial Snow Water Equivalent in the NWT using Passive Microwave Data

Subject: W
Region: IN, BA
Location: the Trail Valley Creek area (near Tuktoyaktuk), Cornwallis Island
Year of Research: 1993

Given the vast size of the NWT, it is very difficult to accurately measure the amount of water that is made available from snow (called snow water equivalents or SWE). A variety of agencies have collected data from climate stations and satellites and this data can be used to estimate SWE. This study will involve taking measurements of snow on the ground and comparing these measurements to those predicted using satellite data.
Reference No: 12 404 479 (S)

162

Gandia, Ruben

Beak Consultants Ltd.

Suite 610

3285 Boulevard Cavendish

Montreal, PQ H4B 2L9

Methods Development of Acute Toxicity Testing Using Marine Invertebrates from the Canadian Arctic

Subject: CO, I

Region: BA, IN

Location: Iqaluit, Resolute, Inuvik

Year of Research: 1993

Researchers (government and non-government) will collect clean and contaminated sediments, effluent and liquid municipal waste, as other field research is conducted. All collections will be shipped to the Beak laboratory for analyses. Testing will involve measuring the contaminants in the sediments and the toxicity that these contaminants have to marine organisms.

Reference No: 12 402 545 (S)

163

Gaston, Anthony J.

Canadian Wildlife Service

100 Gamelin Boulevard

Hull, PQ K1A 0H3

Seabird Monitoring Programme, Arctic Survey of Contaminants

Subject: B, CO

Region: KE

Location: the Keewatin region

Year of Research: 1993

The researcher will provide information on the population dynamics and toxic chemical contaminant level analysis of the eggs from the thick-billed murre.

Reference No: 210 004 014

164

Gates, Cormack

Department of Renewable Resources

Government of the NWT

Box 390

Fort Smith, NT X0E 0P0

Summer Forage Selection Strategies of Bison

Subject: P, ML

Region: FS

Location: Fort Smith

Year of Research: 1993

The researcher will map distribution of forage resource and vegetation communities on the grazing pasture and test whether maturational changes in forage quality structure affect the summer feeding behaviour of bison.

Reference No: (R)

165

Gauthier, Gilles

Department of Biology

University of Laval

Ste-Foy, PQ G1K 7P4

Breeding Ecology of Greater Snow Geese

Subject: B, P

Region: BA

Location: the Baffin region

Year of Research: 1993

The researcher will evaluate the effects of the population increase of greater snow geese on breeding habitats and on several demographic aspects of the population.

Reference No: (R)

166

Gebert, James

Energy, Mines & Petroleum Resources

GNWT Box 1320,

Yellowknife, NT X1A 2L9

Geology of the Takijuq Lake Greenstone Belt

Subject: G, EC

Region: KI

Location: Takijuq Lake

Year of Research: 1992

The researcher will produce a 1:50,000 scale geology map of the Takijuq Lake greenstone belt, and report on the mineral potential of the area.

Reference No: 12 404 381 (S)

167

Gilbert, Robert

Department of Geography

Queen's University

Kingston, ON K7L 3N6

Glacimarine Sedimentation in Canon Fiord, Ellesmere Island

Subject: W

Region: BA

Location: Eureka, Canon Fiord

Year of Research: 1992, 1993

The researcher will use a special type of echo sounder to determine the depth of the water and the thickness of the sediments down to bedrock. The instrument will also show the patterns of sediment distribution around the fiord. From this, an assessment will be made of where the sediment has come from, how much there is and how the patterns of sedimentation have changed during the entire period since deposition started.

Reference No: 12 404 115 (S)

168

Giroux, Jean-Francois
Department Des Science Biologiques
Universite Du Quebec A Mont
C.P. 8888, Succursale A,
Montreal, PQ H3C 3P8

Fall Migration of Greater Snow Goose

Subject: B
Region: BA
Location: the Baffin region
Year of Research: 1993

The researcher will study the fall migration pattern of geese using satellite telemetry via Agros System.

Reference No: (R)

169

Glenn, Shari E.
306 - 724 Fanshawe Park Road
London, ON N5X 2L9

**Perceptions of Work Satisfaction and Social Support of Registered Nurses
Employed in Underpopulated Regions**

Subject: EC, S
Region: BA
Location: the Baffin Region
Year of Research: 1992

This descriptive correlational study will examine work satisfaction, social support and the relationship between these two variables, as perceived by registered nurses employed in underpopulated geographic regions.

Reference No: 12 408 088 (S)

170

Goehring, Brian
Geography Department
#217 - 1984 West Mall
University of British Columbia
Vancouver, BC V6T 1Z2

Inuit Employment Mobility Study, Kitikmeot Region, NWT

Subject: EC, T, S
Region: KI
Location: Coppermine, Cambridge Bay, Taloyoak, Pelly Bay
Year of Research: 1993

The researcher will study the different types of economies present in the Kitikmeot communities: the traditional economy derived from hunting, fishing and trapping, and the wage economy. This study examines 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.

Reference No: 12 410 235 (S)

171

Good, Jennifer
c/o CFMX-FM
468 Queen Street East
Suite 101
Toronto, ON M5A 1T7

Television, Aboriginal Ways of Knowing and the Health of Planet Earth

Subject: T, S
Region: BA
Location: Iqaluit, Igloolik
Year of Research: 1992

The researcher will study the programming of IBC and TVNC, and spend time with some of the Inuit people of the North in order to assess the effectiveness of Inuit television in the transmission of Inuit language, values, and traditions.

Reference No: 12 410 404 (S)

172

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

Applied Geophysical/Geotechnical Research in Permafrost

Subject: G, W
Region: IN
Location: Richards Island, Camp Farewell
Year of Research: 1992

A geotechnical investigation of permafrost and ground ice will be undertaken. The purpose of the work is to gain a better understanding of the geology and technical properties of ice bearing permafrost.

Reference No: 12 404 445 (S)

173

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

Surface Shear Wave Seismic Profiling and Drilling

Subject: G, W
Region: IN
Location: Tuktoyaktuk, Peninsula Point, Ya Lake, Lousy Point
Year of Research: 1993

The Geological Survey of Canada, as part of its on-going research activities, is planning to carry out a geotechnical survey in order to improve certain techniques used in investigating permafrost and ground ice characteristics. The techniques used are shear wave seismic reflection profiling (to determine soil properties) and drilling (to determine the origin of massive ground ice bodies in the vicinity of Ya Lake and Lousy Point).

Reference No: 12 404 445 (S)

174

Gould, William A.

Dept. of Environmental, Organismic
and Population Biology
Campus Box 450
University of Colorado
Boulder, CO USA 80309-0450

Trace-Element Air Pollution Monitoring in the Coppermine River Area; and Reproduction Strategies of *Picea mariana* and *Picea glauca* (Black and White Spruce) Along the Arctic Treeline as Early Indicators of Climate Change

Subject: CO, P, CL

Region: KI

Location: along the Coppermine River and Hood Rivers

Year of Research: 1992, 1993

Small samples of lichens will be collected from approximately 20 sites located along the Hood River and analyzed for contaminants. Lichens are good indicators of the types of air-borne contaminants that have been carried north to the Arctic, since they absorb their nutrients from the air. The researcher will also examine plant communities along the Hood River in order to study the effects of climate, geography, hydrology and soils on plants.

Reference No: 12 402 449 (S)

175

Gowans, Bill

Box 1526

Inuvik, NT X0E 0T0

An Investigation Into The Effects Of Principal Succession In Schools In The NWT

Subject: ED, S

Region: BA, FS, IN, KE, KI

Location: the Baffin, Fort Smith, Inuvik, Keewatin and Kitikmeot regions

Year of Research: 1992

The researcher will use a questionnaire to chart responses from all principals in the NWT as to their experiences in pre-arrival, arrival and succession.

Reference No: 12 410 384 (S)

176

Graham, Mark

Vancouver Public Aquarium

Box 3232

Vancouver, BC V6B 3X8

Environmental Physiology of Marine Invertebrates

Subject: I, MI, W

Region: BA

Location: Resolute Bay

Year of Research: 1992

The researcher will use several species of planktonic and benthic invertebrates from Lancaster Sound region to evaluate the metabolic cost of making a living in the Arctic. Oxygen consumption techniques will be used as a metabolic indicator. Trophic status of specimens will be evaluated later by stable isotope analysis.

Reference No: 12 402 485 (S)

177

Gratto-Trevor, Cheri
Canadian Wildlife Service
115 Perimeter Road
Saskatoon, SK S7N 0X4

Use of Landsat Imagery to Determine Important Areas for Shorebirds

Subject: G, B
Region: IN
Location: the Inuvik region
Year of Research: 1993

The researcher will determine the most important breeding and staging areas for shorebirds.
Reference No: (R)

178

Gray, David R.
Vertebrate Ethology
Canadian Museum of Nature
Box 3443, Station D
Ottawa, ON K1P 6P4

Ethology of Arctic Birds

Subject: B
Region: BA
Location: the Baffin region
Year of Research: 1993

The researcher will obtain new information on the behavioural adaptations of Arctic birds and document bird behaviour by using various means.
Reference No: (R)

179

Gray, David R.
Vertebrate Ethology
Canadian Museum of Nature
Box 3443, Station D
Ottawa, ON K1P 6P4

Ethology of Arctic Mammals

Subject: ML
Region: BA
Location: the Baffin Region
Year of Research: 1993

The researcher will obtain new information on the behavioural adaptations of Arctic mammals, especially Arctic hares, and will document behaviour using various means.
Reference No: (R)

180

Gray, James T.

Departement de Geographie
Universite de Montreal
Montreal, PQ H3C 3J7

**Quaternary Studies on the Northern Quebec Coast and Offshore Islands
in the Hudson Strait, Northeastern Canada**

Subject: W

Region: BA

Location: Hudson Strait Islands, Northern Ungava

Year of Research: 1992

From research in previous years, the researcher has proven the existence of an early opening of the Hudson Strait at the end of the last Ice Age and established four important source areas for ice flows into Hudson Strait and Ungava Bay. This work will permit the researcher to expand and complete the work on several offshore islands, as well as sample from an exposure of old marine sediments in the Deception River Valley in northern Ungava.

Reference No: 12 404 363 (S)

181

Green, John M.

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

Shallow Water Benthic Fish Communities of Resolute Bay

Subject: FI

Region: BA

Location: Resolute Bay

Year of Research: 1993

In this ongoing study, the researcher will make underwater observations of the benthic fishes found in the shallow waters of Resolute Bay. Some fish will be collected for further laboratory studies in order to examine their food habits, growth rates and population growth rates. The species Gymnelus viridis will be studied in greater detail.

Reference No: 12 402 365 (S)

182

Gregor, Dennis J.

National Water Research Institute
Environment Canada
Box 5050
Burlington, ON L7R 4A6

The Historical Record of Persistent Organic Pollutants and Trace Metals in Glacial Snow and Ice

Subject: CO, W

Region: BA

Location: Agassiz Ice Cap region, Ellesmere Island

Year of Research: 1992, 1993

Ice caps have been used to measure changes in the chemistry of the atmosphere over long periods of time. The studies have addressed climate change, levels of pollutants resulting from human activities, and levels of materials put into the atmosphere by natural processes (e.g., volcano eruptions). This on-going study has been examining the levels of contaminants in ice caps since 1986 by collecting samples of snow and ice at various layers in the ice caps.

Reference No: 12 404 350 (S)

183

Gregor, Dennis J.
National Water Research Institute
Environment Canada
P.O. Box 5050
Burlington, ON L7R 4A6

Processes and Fluxes of Contaminants in Aquatic Systems

Subject: CO, W
Region: BA
Location: the Amituk Lake area, Cornwallis Island
Year of Research: 1993

Atmospheric contaminants that accumulate in the snow are released during a very short time in the spring when the snow melts and washes out through rivers and lakes into the Arctic Ocean. Contaminants can be bound to substrates, consumed by organisms or transformed so that not all contaminants deposited in the snow reach the Arctic Ocean. In this on-going study, contaminant levels and distribution in Amituk Lake and surrounding area will be monitored.
Reference No: 12 404 350 (S)

184

Gregor, Dennis J.
National Water Research Institute
Environment Canada
P.O. Box 5050
Burlington, ON L7R 4A6

Current Contaminant Deposition Measurements in Precipitation Throughout the NWT

Subject: CO, CL, S
Region: the Baffin, Fort Smith, Inuvik, Keewatin and Kitikmeot regions
Location: 29 locations throughout the NWT
Year of Research: 1992, 1993

Contaminants are carried in the air to the Arctic during the winter, when large-scale wind movements bring these contaminants from industrialized locations in North America, Europe and Asia to the North. Snow can collect these compounds from the air and bring them to the ground where they can accumulate. The researcher will study the amount of contaminants in snow to determine the types and quantities of contamination that are brought to the arctic.
Reference No: 12 404 350 (S)

185

Gregory, S.J.
Mapping and Charting Establishment
National Defence Headquarters
MGen George R. Pearkes Building
Ottawa, ON K1A 0K2

Operation Bouguer 92: Collection of Gravity Data

Subject: MA
Region: IN, BA
Location: the area extending from the Alaska border to the Mackenzie River, Ellesmere Island
Year of Research: 1992

The researcher will gather gravity data to help complete the National Gravity Data Base of Canada. This data base defines gravity anomalies (abnormalities) throughout the entire country. At present the data base lacks information for Ellesmere Island and an area extending from the Alaska border to the Mackenzie River, south of the 64th parallel.

Reference No: 12 404 332 (S)

186

Grenier, Robert
Marine Excavations
Canadian Parks Service
1600 Liverpool Court
Ottawa, ON K1A 1G2

Investigation of the Albany: An Historic Vessel Located on Marble Island

Subject: AR
Region: KE
Location: Marble Island
Year of Research: 1993

The researcher will locate, identify, assess and map the remains of the vessel, Albany, off Marble Island, Hudson Bay. The vessel was related to the James Knight Expedition of 1719.

Reference No: 208-59 (P)

187

Grenier, Robert
Marine Excavations, Parks Canada
1600 Liverpool Court
Ottawa, ON K1A 1G2

Assess and Map the Remains of the H.M.S Erebus and the H.M.S Terror

Subject: AR
Region: KI
Location: Graham Gore Peninsula
Year of Research: 1993

The intention of the project is to locate, identify, assess and map the remains of the H.M.S Erebus and the H.M.S Terror, located off the Graham Gore Peninsula, King William Island.

Reference No: 208-57 (P)

188

Griffiths, Curt
School of Criminology
Simon Fraser University
Burnaby, BC V5A 1S6

Crime, Law and Justice Among Inuit in the Baffin Region, NWT

Subject: S
Region: BA
Location: Baffin region communities
Year of Research: 1993

This study, which began in 1990, examines the patterns of crime and the delivery of justice services to Inuit communities in the Baffin region. The researcher will be complete data collection during this field season. Justice personnel from Iqaluit and Yellowknife will be interviewed.
Reference No: 12 410 334 (S)

189

Groat, Lee A.
Department of Geological Sciences
University of British Columbia
Vancouver, BC V6T 1Z4

Granitic Pegmatites of the Canadian Cordillera

Subject: EC, G
Region: FS
Location: Selwyn Mountains north of Tungsten
Year of Research: 1993

Rare elements such as lithium (Li), beryllium (Be), rubidium (Rb), niobium (Nb), cesium (Cs) and tantalum (Ta) are commonly found in structures known as pegmatites. The researcher will document the location of pegmatites which contain these important minerals in Western Canada. This survey includes the pegmatite located in the Selwyn Mountains of the NWT.
Reference No: 12 404 488 (S)

190

Gualtieri, Lyn
Department of Geography
HM Tory Building
University of Alberta
Edmonton, AB T6G 2H4

The Quaternary History of Scoresby Bay, Ellesmere Island

Subject: G, W
Region: BA
Location: the Scoresby Bay area on Ellesmere Island
Year of Research: 1993

The researcher will determine the amount of ice coverage during the last glaciation by investigating the land forms that occur today. The change in sea-level and the rise in the land as the glaciers receded will also be recorded. Evidence of the movement of glaciers onto eastern Ellesmere Island from Greenland will be collected.
Reference No: 12 404 135 (S)

191

Gulley, Angela L.
Department of Earth Sciences
Carleton University
1 Colonel By Drive
Ottawa, ON K1S 5B6

The Hydrogeology and Deposition of Rabbitkettle Hotsprings and Tufa Mounds, Nahanni National Park, NWT

Subject: G, W
Region: FS
Location: Rabbitkettle Lake, Nahanni National Park
Year of Research: 1992

In the ongoing study, the researcher will map the local geology adjacent to the hotsprings, conduct a geochemical analysis of the springwaters, monitor the physical properties, calculate natural discharge rates, conduct a pumping test and monitor the depositional rates of tufa accumulations.

Reference No: 12 404 410 (S)

192

Gunn, Anne
Department of Renewable Resources
Government of the NWT
Coppermine, NT X0E 0E0
Muskox Population Size and Distribution

Subject: ML
Region: KI
Location: Victoria Island, Coppermine
Year of Research: 1993

The researcher will estimate population size and map muskox distribution on southern Victoria Island by conducting a fixed-wing aerial survey.

Reference No: (R)

193

Gunn, Anne
Department of Renewable Resources
Government of the NWT
Coppermine, NT X0E 0E0
Caribou Satellite Telemetry, Eastern Arctic

Subject: ML
Region: KI
Location: eastern Kitikmeot
Year of Research: 1993

The researcher will determine the distribution of the caribou population wintering in the eastern Kitikmeot.

Reference No: (R)

194

Gunn, Anne

Department of Renewable Resources
Government of the NWT
600, 5102 - 50th Avenue
Yellowknife, NT X1A 3S8

Health and Parasitic Status in Relationship to Reproduction of Muskoxen

Subject: ML

Region: KI

Location: the Kitikmeot region

Year of Research: 1993

The researcher will determine the health, parasitic status and the relationship between reproduction and body condition in muskoxen.

Reference No: (R)

195

Gunn, Anne

Department of Renewable Resources
Government of the NWT
Coppermine, NT X0E 0E0

Muskox Forage and Snow Conditions Study

Subject: ML, W

Region: KI

Location: Victoria Island

Year of Research: 1993

The researcher will determine the relationship between snow conditions and foraging behaviour in muskox.

Reference No: (R)

196

Gunn, Anne

Department of Renewable Resources
Government of the NWT
600, 5102 - 50th Avenue
Yellowknife, NT X1A 3S8

Inter-Island Movement of Caribou

Subject: ML

Region: KI

Location: Coronation Gulf

Year of Research: 1993

The researcher will determine the timing and distribution of caribou movements on the sea-ice in the Coronation Gulf by conducting fixed-wing aerial and snowmachine surveys.

Reference No: (R)

197

Gunn, Anne

Department of Renewable Resources
Government of the NWT
600, 5102 - 50th Avenue
Yellowknife, NT X1A 3S8

Caribou Taphonomy at Rideout Island

Subject: ML

Region: KI

Location: Rideout Island

Year of Research: 1993

The researcher will examine skeletal disassemblage and bone weathering at a known multi-death site.
Reference No: (R)

198

Gunn, Anne

Department of Renewable Resources
Government of the NWT
600, 5102 - 50th Avenue
Yellowknife, NT X1A 3S8

Sustained Yield of Muskoxen

Subject: ML

Region: KI

Location: the Kitikmeot region

Year of Research: 1993

The researcher will measure the functional and numerical response of muskox to their forage and obtain an empirical measure of muskox sustained yield to compare caribou distribution before and after reduction.
Reference No: (R)

199

Gurney, Steve D.

Postgraduate Research Institute for Sedimentology
The University of Reading
Box 227

Whiteknights, Reading, United Kingdom RG6 2AB

Pingo and Allied Ground Ice, Contemporary and in the Geological Record

Subject: G

Region: IN

Location: Sachs River Lowlands, Banks Island

Year of Research: 1992

The researcher will map (geological) the various types of pingos, their genesis and current status. Geometric levelling of pingo locations will also be undertaken to ascertain the spatial, temporal, and environmental inter-relationships of pingos to such features as drained lake basins, stream channels and other pingos.
Reference No: 12 404 470 (S)

200

Hall, Barbara

Student Support Division

Department of Education

GNWT Box 1320

Yellowknife, NT X1A 2L9

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

Subject: H, S, ED

Region: FS, KI, BA, IN, KE

Location: schools throughout the NWT

Year of Research: 1992, 1993

Data on the health knowledge, skills, attitude and behaviour of children and youth will be gathered by using anonymous questionnaires. These questionnaires will be administered through the schools to students in Grades 4,5,7,8,10 and 11. Teachers and principals will also be surveyed with regard to the implementation of the NWT School Health program.

Reference No: 12 408 069 (S)

201

Hammond, Andrew

Yundee - Yundah

Box 1632

Yellowknife, NT X1A 2P2

Cultural Resources at Three Abandoned Naval Bases

Subject: AR, T

Region: BA

Location: Padloping Island, Cape Christian, Iqaluit

Year of Research: 1992

The researcher will assess the cultural resources at three abandoned American naval bases at Padloping Island (near Broughton Island), Cape Christian (near Clyde River) and Iqaluit.

Reference No: 208-54 (P)

202

Hammond, Andrew

Yundee - Yundah

Box 1632

Yellowknife, NT X1A 2P2

Twin Falls Territorial Park Development

Subject: EC

Region: FS

Location: Twin Falls Territorial Park, Twin Falls Creek

Year of Research: 1992

The researcher will survey the Twin Falls Territorial Park for new path construction. The existing pathways and viewing platforms designated for upgrading will also be surveyed.

Reference No: 208-54 (P)

203

Hanmer, Simon

Continental Geoscience Division

Geological Survey of Canada

601 Booth Street

Ottawa, ON K1A 0E8

The Snowbird Tectonic Zone, Saskatchewan - NWT

Subject: G

Region: KE

Location: the Saskatchewan border (Selwyn Lake) to Snowbird Lake

Year of Research: 1992

The Snowbird Tectonic Zone is a 3000 km long linear feature visible in the gravity map of the Canadian Shield. Past research has revealed that high temperature rocks plunge to great depths in the Lake Athabasca and Lake Baker area. This hypothesis will be tested by the researcher.

Reference No: 12 404 461 (S)

204

Harington, C.R.

Canadian Museum of Nature

Box 3443

Station D

Ottawa, ON K1P 6P4

Biostratigraphy of a Tertiary Vertebrate Locality on Strathcona Fiord

Subject: FO, ML

Region: BA

Location: Strathcona Fiord, Ellesmere Island

Year of Research: 1992

The researcher will collect vertebrate fossils and associated paleoenvironmental evidence from an ancient beaver pond site. This research will contribute to the knowledge of a boreal forest that existed approximately 4 million years ago. Fossils have been found at this site that may belong to animals (e.g., beaver, rabbit, bear, fish, deer or related species). Fossils found will reveal information about the evolution and distribution of vertebrates.

Reference No: 12 412 041 (S)

205

Harrison, J. Christopher

Geological Survey of Canada

Institute of Sedimentary & Petroleum Geology

3303 - 3rd Street NW

Calgary, AB T2L 2A7

Geology and Structure of Prince Patrick and Adjacent Islands

Subject: G

Region: BA

Location: Eglinton Island, Prince Patrick Island

Year of Research: 1992

In this multi-year study, the researcher will define the nature of the earth that makes up the bedrock beneath the Arctic Islands. This will involve the examination of existing maps and air-photographs, the identification of rock types in the field, the measurement by a hand-held compass of the orientation of rock layers and the collection of small samples for additional laboratory study.

Reference No: 12 404 427 (S)

206

Harrison, J. Christopher
Geological Survey of Canada
Institute of Sedimentary & Petroleum Geology
3303 - 3rd Street NW
Calgary, AB T2L 2A7

Geology of Bathurst, Prince Patrick and Adjacent Islands

Subject: G
Region: BA
Location: Bathurst Island, Prince Patrick Island, Eglinton Island
Year of Research: 1992

The researcher will map bedrock and related geological studies in order to produce 1:250,000 scale geological maps of Bathurst, Prince Patrick and Eglinton Islands.

Reference No: 12 404 427 (S)

207

Harrison, J. Christopher
Geological Survey of Canada
Institute of Sedimentary & Petroleum Geology
3303 - 3rd Street NW
Calgary, AB T2L 2A7

Geology of Vendom Fiord and Strathcona Fiord Map Areas, Ellesmere Island

Subject: G
Region: BA
Location: Vendom and Strathcona Fiords on Ellesmere Island
Year of Research: 1993

The researcher will map the area and collect data on the different types of rocks found in the Vendom and Strathcona Fiord areas. This research will provide basic information that can be used in land use studies, education, environmental impact analysis and resource evaluation.

Reference No: 12 404 427 (S)

208

Hart, Elisa J.
Prince of Wales Northern Heritage Centre
GNWT, Box 1320
Yellowknife, NT X1A 2L9

Tuktoyaktuk Traditional Knowledge Project

Subject: T, G, S, CL
Region: FS, IN
Location: Tuktoyaktuk, Inuvik, Yellowknife
Year of Research: 1992, 1993

The researcher will document the early history of the reindeer herding industry and conduct interviews with elders about the location and nature of traditionally used places. Elder's traditional knowledge of climate change will be examined through interviews.

Reference No: 12 410 363 (S) and (P)

209

Harwood, Lois

Fishery Management Biologist

Department of Fisheries and Oceans

Box 1871

Inuvik, NT X0E 0T0

Monitoring of Domestic Char Harvests at Big Fish River, NWT

Subject: FI

Region: IN

Location: Big Fish River

Year of Research: 1992

The Big Fish River was closed to fishing in 1986 by the recommendation of the Aklavik HTC and the Fisheries Joint Management Committee based on indications that the stock had been overfished.

After a five-year recovery period, the river was opened to fishing in 1992. Community monitors will weigh, measure and sample a quota of 700 fish (caught during the month of August) in the fishery.

Reference No: 12 402 370 (S)

210

Harwood, Lois

Fishery Management Biologist

Department of Fisheries and Oceans

Box 1871

Inuvik, NT X0E 0T0

Estimation of the Size of the Dolly Varden Charr Run at Big Fish River, NWT

Subject: FI

Region: IN

Location: Cache Creek, Fish Hole, Big Fish River

Year of Research: 1992

A deflection board weir was used to assess the size of the upstream run of dolly varden charr at Big Fish River in 1991. Results suggested that migrant non-spawners may have been deterred by the weir. Consequently, in 1992 run size will be estimated by tagging methods at the Cache Creek site. The fish tagged at Cache Creek will be captured at the Fish Hole in the fall in order to produce an estimate of the size of the run.

Reference No: 12 402 370 (S)

211

Harwood, Lois

Fishery Management Biologist

Department of Fisheries and Oceans

Box 1871

Inuvik, NT X0E 0T0

Monitoring Arctic Charr Caught in Domestic Fishery by Residents of Paulatuk at the Hornaday River, NWT in 1992

Subject: FI

Region: IN

Location: mouth of Hornaday River

Year of Research: 1992

During the past several years, representatives of the Paulatuk HTC have counted, measured and sampled all fish caught in the domestic fishery located at the mouth of the Hornaday River.

Monitoring of this fishery will continue in 1992.

Reference No: 12 402 370 (S)

212

Harwood, Lois

Fishery Management Biologist

Department of Fisheries and Oceans

Box 1871

Inuvik, NT X0E 0T0

Monitoring the Domestic Harvest of Arctic Char Taken from the Kuujjua River (Tatik Lake) by the Residents of Holman, NWT in 1992

Subject: FI, EC

Region: KI

Location: Tatik Lake and Kuuk Lake, Victoria Island

Year of Research: 1992

The char caught in the subsistence fishery at the Kuujjua River will be harvested and sampled. This monitoring program was initiated in response to concerns by the Holman HTC regarding the size of arctic char caught in the subsistence fishery at the Kuujjua River. An initial sampling of Kuuk Lake charr will also be conducted.

Reference No: 12 402 370 (S)

213

Harwood, Lois

Fishery Management Biologist

Department of Fisheries and Oceans

Box 1871

Inuvik, NT X0E 0T0

Enumeration of the Upstream Run of Anadromous Arctic Charr at Kuujjua River, Victoria Island, NWT in 1992

Subject: FI

Region: KI

Location: Kuujjua River, Victoria Island

Year of Research: 1992

A full-span conduit weir will be used to estimate the strength (i.e., numbers) of the upstream run of arctic charr at the Kuujjua River. Fish passing through the weir will be counted and measured, and a subset of these fish will be tagged and sampled.

Reference No: 12 402 370 (S)

214

Harwood, Lois

Fishery Management Biologist

Department of Fisheries and Oceans

Box 1871

Inuvik, NT X0E 0T0

Monitoring Ringed Seals of Domestic Harvests at Sachs Harbour and Holman, NWT in 1992

Subject: CO, MM

Region: KI, IN

Location: the Sachs Harbour and Holman areas

Year of Research: 1992

The researcher will conduct a study to examine trends in seal condition and reproduction. The harvests of seals by the two communities will be monitored and samples will be taken to determine the level of contaminants in this population. This study will be conducted in response to concerns of Sachs Harbour and Holman Hunters and Trappers Associations about the health of ringed seal populations in the region.

Reference No: 12 402 370 (S)

215

Harwood, Lois

Fishery Management Biologist

Department of Fisheries and Oceans

Box 1871

Inuvik, NT X0E 0T0

Monitoring Dolly Varden Char Taken in Domestic Fishery by Residents of Aklavik, NWT

Subject: FI, EC

Region: IN

Location: Shingle Point, Aklavik, Husky Channel, Big Fish River

Year of Research: 1993

In 1992, most char fishing by Aklavik residents took place at Shingle Point and the town site in Aklavik (similar to fishing during the 1987-1991 closure). In this first year of the monitoring program, information will be collected on the total number of char caught, harvest locations and characteristics of tagged fish.

Reference No: 12 402 370 (S)

216

Harwood, Lois

Fishery Management Biologist

Department of Fisheries and Oceans

Box 1871

Inuvik, NT X0E 0T0

**Distribution, Movements and Relative Abundance of Dolly Varden Char
at the Big Fish River, NWT**

Subject: FI

Region: IN

Location: Big Fish River and Rat River areas

Year of Research: 1993

This project will involve tagging charr and monitoring their movements. The fish will be tagged at the overwintering site in spring, before they start to migrate downstream. The fish with radio tags will be tracked every 4 - 6 weeks throughout the spring, summer and fall. Fish caught by the summer fishery at Shingle Point and having floy tags will be recorded. One hundred charr (mostly females) will be caught in the spring and fall to obtain additional data for the study.

Reference No: 12 402 370 (S)

217

Harwood, Lois

Fishery Management Biologist

Department of Fisheries and Oceans

Box 1871

Inuvik, NT X0E 0T0

**Monitoring Arctic Charr Caught in Domestic Fishery by Residents of Paulatuk
at the Hornaday River, NWT, 1993**

Subject: FI, EC

Region: IN

Location: mouth of Hornaday River

Year of Research: 1993

HTC members have counted, measured and sampled all fish that were caught in the domestic fishery located at the mouth of the Hornaday River for the past several years. This season represents the fourth year of the monitoring program. HTC members will collect information on arctic charr that are caught by the fishery.

Reference No: 12 402 370 (S)

218

Harwood, Lois

Fishery Management Biologist

Department of Fisheries and Oceans

Box 1871

Inuvik, NT X0E 0T0

Monitoring Ringed Seals in Domestic Harvests at Sachs Harbour, Paulatuk and Holman, NWT, in 1993

Subject: MM

Region: IN, KI

Location: Sachs Harbour, Paulatuk, Holman

Year of Research: 1993

Community members will sample and measure the ringed seals taken in the spring and summer harvests. These monitors will collect data on the size and location of the harvests. Measurements of the seals harvested will include sexual maturity, health, and condition. Samples of tissue taken will include jaws, lungs, liver, muscle, blood and reproductive tracts.

Reference No: 12 402 370 (S)

219

Hawkings, James S.

Canadian Wildlife Service

Box 6010

Whitehorse, YT Y1A 5L7

Nesting-Bird Habitat Relationships on the Yukon Coastal Plain: A Program to Establish Initial Relationships and Populations (April 1992 to March 1994)

Subject: B, P

Region: IN

Location: Yukon Coastal Plain

Year of Research: 1993

The populations of nesting birds will be determined in a selected number of plots that represent the various tundra habitats on the Yukon Coastal Plain. The selected plots will be surveyed on foot during the spring (June) to identify the most important habitats for bird species nesting on the coastal plain.

Reference No: 12 402 539 (S)

220

Hebert, Paul D.N.

Department of Zoology

University of Guelph

Guelph, ON N1G 2W1

Genetic Diversity in Arctic Zooplankton and Ecological Factors Limiting Zooplankton Distributions

Subject: MI, W

Region: BA

Location: Igloolik, Melville Peninsula, Baffin Island

Year of Research: 1992

The researcher will measure the amount of genetic diversity in Arctic zooplankton, determine distributions and numbers of species in Arctic lakes and ascertain factors limiting species distributions in the Arctic.

Reference No: 12 402 333 (S)

221

Hebert, Paul D.N.

Department of Zoology

University of Guelph

Guelph, ON N1G 2W1

Distribution, Systematics and Genetic Structure of Western Arctic Zooplankton Species

Subject: MI, W

Region: IN

Location: the area between Paulatuk and Shingle Point (Yukon)

Year of Research: 1993

Zooplankton will be collected from lakes and ponds located along a transect between Paulatuk and Shingle Point (Yukon). The specimens that are collected will be identified according to species type. Genetic analyses will be performed to determine what species are interbreeding to produce hybrid organisms. Understanding zooplankton is important as many organisms (such as fish) depend on these creatures as a major source of food.

Reference No: 12 402 333 (S)

222

Helmer, James

Department of Archaeology

University of Calgary

2500 University Drive NW

Calgary, AB T2N 1N4

Central High Arctic Archaeological Project

Subject: AR

Region: BA

Location: Little Cornwallis, Bathurst and Baillie-Hamilton Islands, McDougall Sound

Year of Research: 1992, 1993

The researcher will examine the Late Dorset Tasiarulik site on the southeastern shore of Little Cornwallis Island. The researcher will also conduct an aerial survey of selected areas on McDougall Sound, Bathurst and Baillie-Hamilton Islands.

Reference No: 208-08 (P)

223

Henderson, J.R.

Continental Geoscience Division

Geological Survey of Canada

601 Booth Street

Ottawa, ON K1A 0E8

Geology of High Lake Greenstone Belt

Subject: G, EC

Region: KI

Location: High Lake

Year of Research: 1992, 1993

The researchers will produce a geological map showing the distribution of different types of rock formations. Rocks will be collected for chemical analysis in order to better understand how they were formed and to see if they contain metallic minerals. These maps will help to determine locations of mineral deposits.

Reference No: 12 404 462 (S)

224

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

Geology of the Wijinnedi Lake Map Area, District of Mackenzie

Subject: G, EC
Region: KI
Location: Basler Lake, Ghost Lake, Dauphinee Lake
Year of Research: 1992

The researcher will collect information to produce maps showing the distribution of various rock types and to understand the history of these rocks. This map will be used to determine the location of mineral deposits.

Reference No: 12 404 457 (S)

225

Henderson, Lyle
Parks Canada
1500 Liverpool Court
Ottawa, ON K1A 0H3

Arviaq Oral History Project

Subject: S, T
Region: KE
Location: Arviat
Year of Research: 1993

The community of Arviat will prepare a report for the Historic Sites and Monuments Board of Canada. The report will present the community's views, interpretations, and desire to have Arviaq designated as a national historic site.

Reference No: 208-81 (P)

226

Henry, Gregory H.R.
Department of Geography
University of British Columbia
217 - 1984 West Mall
Vancouver, BC V6T 1Z2

Effects of Predicted Climate Change on High Arctic Plants

Subject: P, CL
Region: BA
Location: Alexandra Fiord on Ellesmere Island
Year of Research: 1992, 1993

In this multi-year study, the researcher will monitor the field experiments set up at Alexandra Fiord on Ellesmere Island, which examine the effects of climate warming on high arctic plants. Small enclosures have been placed on top of the plants so that the growing conditions such as temperature and moisture can be altered and their influences on the plants examined. This study is part of an international research effort. Reference No: 12 402 421 (S)

227

Henry, Gregory H.R.

Department of Geography

University of British Columbia

217 - 1984 West Mall

Vancouver, BC V6T 1Z2

Changes in Plant Communities from Subarctic Forest to Tundra

Subject: P, CL

Region: IN

Location: Horton and Anderson River regions

Year of Research: 1993

In this multi-year study, the researcher will examine the plant community and assess plant distribution as the subarctic forest changes to tundra. The researcher will study how the smaller plant species are influenced by changes in the number of trees that are nearby, as well as changes in climate. Permanent plots will be established in order to monitor any changes in the plant communities over a long time period.

Reference No: 12 402 421 (S)

228

Henteleff, Saul

129 Laurier Street

Montreal, PQ H2T 2N6

Media Pedagogy and Inuit High School Students in Iqaluit

Subject: S, T

Region: BA

Location: Iqaluit

Year of Research: 1992, 1993

The researcher will examine the influence of media on Inuit culture and the use of media by Inuit youth as a tool for cultural expression. The researcher will give seminars on the subject of media and hands-on experience using video equipment to students at the Iqaluit high school.

Reference No: 12 410 412 (S)

229

Hequette, Arnaud

Centre d'Etudes Nordiques

Universite Laval

Sainte-Foy, PQ G1K 7P4

Coastal Retreat and Shoreface Dynamics on the Tuktoyaktuk Peninsula

Subject: G, W

Region: IN

Location: Atkinson Point area on the Tuktoyaktuk Peninsula

Year of Research: 1992, 1993

The research will involve the survey of cliffs and beaches located along the shoreline of the Tuktoyaktuk Peninsula near Atkinson Point. This information will assist in determining how the shoreline has changed. Measurements will also be taken for water depth in the nearby lagoons and bays. Sediments will be collected from all sites visited for further laboratory analyses.

Reference No: 12 404 432 (S)

230

Hermanson, Mark H.

Academy of Natural Sciences

1900 Benjamin Franklin Parkway

Philadelphia, PA, USA 19103

Preliminary Investigation of Basic Chemical Conditions of Water and Fish from Kasegalik Lake

Subject: FI, W

Region: BA

Location: Sanikiluaq, Belcher Islands

Year of Research: 1992

The researcher will attempt to identify whether or not Kasegalik Lake has fresh water on top of relict sea water. The presence of salt water may influence the depositional behaviour of pollutants delivered by the atmosphere. The researcher will analyze some Kasegalik sediments and fish from the lake to make an initial determination of whether or not further studies are warranted.

Reference No: 12 402 332 (S)

231

Hermanson, Mark H.

Academy of Natural Sciences

1900 Benjamin Franklin Parkway

Philadelphia, PA, USA 19103

Investigations of Presence and Concentration of Chlorinated Organic Industrial Compounds and Pesticides in Lake Sediment and Fish from Lakes of the Belcher Islands

Subject: FI, CO, W

Region: BA

Location: Sanikiluaq, Belcher Islands

Year of Research: 1993

The researcher will collect and analyze sediments and fish collected from Imitavik, Annak and Kasegalik Lakes in order to assess the type and levels of contaminants present. Kasegalik Lake contains fish that are different in size than those from other lakes. The accumulation of contaminants in fish are related to both the size and the age of the fish and the researcher will test if fish collected from Kasegalik Lake contain different levels of contaminants.

Reference No: 12 402 332 (S)

232

Heron, Richard

Department of Geography

University of Windsor

Windsor, ON N9B 3P4

Hydrology of Snow-Filled Arctic Stream Valleys

Subject: W

Region: BA

Location: the McMaster River area north of Resolute

Year of Research: 1993

In this multi-year study, the researcher will study the effect that snowdrifts have on blocking the movement of meltwater in the McMaster River during the spring. Snowdrifts located at several sites along the river will be monitored to determine how they can alter the river's course, how these drifts are eventually broken down and how these drifts affect spring flooding downstream.

Reference No: 12 404 352 (S)

233

Hershfield, Earl S.
Respiratory Hospital
Health Sciences Centre
810 Sherbrook Street
Winnipeg, MB R3A 1R8

Evaluation of an Out-break of Tuberculosis in an Isolated Inuit Community

Subject: H, S
Region: KE
Location: Repulse Bay, Rankin Inlet
Year of Research: 1992

The researcher will review hospital records in order to outline the tuberculosis out-break that occurred in Repulse Bay during 1988-89. The study should provide information that will be helpful in preventing such outbreaks in the future.

Reference No: 12 408 090 (S)

234

Hickling, Keith
Department of Renewable Resources
Government of the NWT
Bag Service #1
Inuvik, NT X0E 0T0

Nuisance Bear Activity and Management at the Inuvik Waste Site

Subject: ML
Region: IN
Location: Inuvik
Year of Research: 1993

The researcher will provide information on the effects of deterring and relocating nuisance black bears away from the garbage site.

Reference No: (R)

235

Hicks, Faye E.
Department of Civil Engineering
University of Alberta
Edmonton, AB T6G 2G7

Freezeup and Breakup Observations on the Mackenzie River near Fort Providence

Subject: W
Region: FS
Location: the Fort Providence area
Year of Research: 1993

The researcher will study ice buildup and breakdown at the Mackenzie River crossing near Fort Providence. Aerial surveys will be conducted to record ice buildup on video tape. Data on water levels, river velocity, ice thickness and strength, and snow depth will be collected throughout the study. This information will contribute to the knowledge of ice formation and breakup at this crossing and may predict freezeup and breakup events.

Reference No: 12 404 493 (S)

236

Hicock, Stephen R.

Department of Geology
University of Western Ontario
London, ON N6A 5B7

Ice-Rock-Water Interactions on Southwestern Bylot Island

Subject: W

Region: BA

Location: southwestern Bylot Island

Year of Research: 1992

The research will involve the study of the interplay (past and present) between glaciers, permafrost, meltwater and seawater on the southwestern side of the Bylot Island ice cap.

Reference No: 12 404 451 (S)

237

Hill, Philip R.

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

Sedimentation in the Mackenzie Delta and Beaufort Sea Coast

Subject: G

Region: IN

Location: the Beaufort Sea coast

Year of Research: 1992

The purpose of this project is to understand how the Mackenzie Delta and adjacent coastal regions have developed over the last 18,000 years, since the last glaciation affected the region. The researcher will investigate the sub-surface development of the delta and study the processes by which sediment supplied by the river is transported to the continental shelf and coastal waters.

Reference No: 12 404 447 (S)

238

Hill, Philip R.

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

Coastal Evolution in the Mackenzie Delta and Tuktoyaktuk Peninsula Region

Subject: G, W

Region: IN

Location: Mackenzie Delta, Tuktoyaktuk Peninsula

Year of Research: 1993

The field activities consist of three small projects: (1) the measurement of beaches and a survey of Tibjak Beach (located 15 km north of Tuktoyaktuk); (2) a study of the sandbars located at the mouth of the East Channel in Kittigazuit Bay; and (3) a preliminary study of the lakes of the Mackenzie Delta in order to determine which lakes will be selected for future research. These activities will contribute to the understanding of shoreline erosion and buildup.

Reference No: 12 404 447 (S)

239

Hills, L.V.

Department of Geology and Geophysics
University of Calgary
2500 University Drive NW
Calgary, AB T2N 1N4

Palynology, Stratigraphy and Sedimentology of the Hassel Bastion Ridge Strand Fiord, Kanguk and basal Eureka Sound Group in the Sverdrup Basin, Canadian Arctic Archipelago

Subject: G

Region: BA

Location: Kanguk Peninsula and May Point on Axel Heiberg Island, Strathcona Fiord and Fosheim Peninsula on Ellesmere Island

Year of Research: 1992

The researchers will determine the depositional environment of the Hassel, Bastion Ridge, Strand Fiord and Kanguk formations.

Reference No: 12 404 413 (S)

240

Hills, L.V.

Department of Geology and Geophysics
University of Calgary
2500 University Drive NW
Calgary, AB T2N 1N4

Palynology, Stratigraphy and Sedimentology of the Christopher, the Hassel Bastion Ridge Strand Fiord and the Kanguk Formations on Amund Ringnes and Axel Heiberg Islands

Subject: G, FO, MI, P, EC

Region: BA

Location: Amund Ringnes and Axel Heiberg Islands

Year of Research: 1993

The researcher will examine the fossil spores, pollen and dinoflagellates found in the sediments of Amund Ringnes and western Axel Heiberg Islands. Additional data will be collected on the rock formations and mineral content of the areas. This research provides information on the past life history of the region as well as information about petroleum potential.

Reference No: 12 404 413 (S)

241

Hinch, Tom

Physical Education & Recreation
University of Alberta
Edmonton, AB T6G 2H9

Aboriginal People and Tourism in Northern Canada

Subject: EC, T

Region: FS, KI

Location: Yellowknife, Rae-Edzo, Cambridge Bay

Year of Research: 1993

The researcher will explore the involvement of Aboriginal people in Canada's northern tourism economy, along with the impacts and issues associated with this involvement. Interviews with the NWT Department of Economic Development and Tourism, various tourism associations, individual tourism operators and Aboriginal organizations will be conducted. The study will focus on the socio-cultural, environmental and economic (business) aspects of tourism.

Reference No: 12 410 442 (S)

242

Hines, Jim
Canadian Wildlife Service
Box 637
Yellowknife, NT X1A 2N5

Distribution, Abundance, Productivity, Survival and Habitat of White-Fronted Geese, Canada Geese, Pacific Brant and Tundra Swans in the Inuvialuit Region

Subject: B
Region: IN, KI
Location: outer Mackenzie Delta, banks on Victoria Island, Tuktoyaktuk Peninsula
Year of Research: 1993

Data on the distribution, abundance, survival/mortality and productivity are essential for the sound management of wildlife populations, but there is a critical lack of such information for white-fronted geese, Canada geese, Pacific brant and tundra swan populations from the Inuvialuit Settlement Region. Helicopter surveys, ground counts and banding/neck collaring will help to determine distribution, abundance, migration routes and mortality.

Reference No: 12 402 538 (S)

243

Hofmann, Hans J.
Department of Geology
University of Montreal
Box 6128, Station A
Montreal, PQ H3C 3J7

Precambrian Paleontology, Belcher Supergroup, Belcher Islands, NWT

Subject: FO, MI
Region: BA
Location: Belcher Islands, Manitounuk Islands, Tukarak Island
Year of Research: 1992

The researcher will test a new paleontological technique of shape analysis on the stromatolites that make up a reef through photographs and field observations of outcrops.

Reference No: 12 404 452 (S)

244

Hogarth, D.D.
Department of Geology
University of Ottawa
Ottawa, ON K1N 6N5

Geology of Martin Frobisher's Gold Mines

Subject: G, EC
Region: BA
Location: mouth of Frobisher Bay, Baffin Island
Year of Research: 1992

In this multi-year study, the researcher will investigate the geology in and near the Countess of Sussex mines and the mining methodology used by Martin Frobisher circa 1577.

Reference No: 12 404 435 (S)

245

Hollett, Jeff

Economic Development and Tourism

Government of the NWT

Rankin Inlet, NT X0C 0G0

1993 Whale Cove Seaweed Assessment Project

Subject: P, EC

Region: KE

Location: Whale Cove area

Year of Research: 1993

The researcher will survey the Whale Cove area to determine the types of macroalgae (i.e., seaweed) present. Samples of the seaweed collected will be examined in consultation with Canadian Kelp Resources Ltd. for their economic potential as exotic types of tea. Species that show promise as ingredients in tea products will also be analyzed for the presence of contaminants.

Reference No: 12 410 421 (S)

246

Howard, Susan

66 Bay Street

Kingston, ON K7K 1H6

Effect of UV Light on Bacterial Growth Rates in Lakes and Ponds in the Canadian High Arctic

Subject: MI, W

Region: BA

Location: Hot Weather Creek, Ellesmere Island, Resolute Bay

Year of Research: 1992, 1993

Ozone depletion in the High Arctic could result in exposure of aquatic organisms (such as bacteria) to higher levels of ultraviolet (UV) radiation from the sun. This increased exposure to radiation may be harmful to bacteria and have an effect on organisms which feed on bacteria. The researcher will collect water samples from lakes and ponds in the Resolute area in order to measure bacterial growth rates, as well as the response of bacteria to known levels of UV radiation.

Reference No: 12 402 523 (S)

247

Hubert, Ben

Hubert & Associates Ltd.

Box 277

Yellowknife, NT X1A 2N2

Izok Project Wildlife Review

Subject: ML, EC

Region: KI

Location: the Izok Lake area

Year of Research: 1993

The researcher will describe the potential and nature of seasonal interactions between terrestrial wildlife and the various components of the Izok Project.

Reference: (R)

248

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

Biology of Ringed Seals and the Impact of Ice-Breaking Traffic on Ringed Seal Biology and Behaviour

Subject: MM, EC
Region: BA
Location: the Arctic Bay area, Resolute Passage
Year of Research: 1992, 1993

In this multi-year study, the researcher will study the effects of ship traffic on the behaviour of ringed seals during the fast-ice period and the habitat selection of ringed seals. Seals will be located and live-trapped in order that they can be tagged and monitored. Changes in seal behaviour and distribution will be examined before, during and after an ice-breaking ship passes through the area.
Reference No: 12 402 509 (S)

249

Irwin, Doug
Energy, Mines and Petroleum Resources
GNWT, Box 1320
Yellowknife, NT S1A 2L9

Preliminary Geology and Mineral Potential of the Kaminak Lake Area

Subject: G, EC
Region: KE
Location: the Kaminak Lake area
Year of Research: 1993

The researcher will map the Rankin-Ennadai Greenstone Belt located near Kaminak Lake by examining and collecting rocks of the area. Rock types and mineral showings will be plotted on the map and related to the geological features of the area.
Reference No: 12 404 481 (S)

250

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

Bedrock Studies in the Ege Bay and Adjacent Area, West-Central Baffin Island

Subject: G, EC
Region: BA
Location: west-central Baffin Island
Year of Research: 1992

In this multi-year study, the researcher will map and study the bedrock. The nature and origins of the rocks, their structures, economic potential, ages and possible correlations with similar rocks in other regions will also be studied.
Reference No: 12 404 459 (S)

251

Jacobs, John D.

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

Mesoscale Climates and Paleoclimates of the Baffin Island Region

Subject: CL, W

Region: BA

Location: Amadjuak Lake, Barnes and Penny Ice Caps on Baffin Island

Year of Research: 1992, 1993

In this multi-year study, the researcher will measure climate data such as air and ground temperature, relative humidity, wind speed and direction, solar radiation, precipitation and snow depth. Automatic data collecting stations have been set up to measure this data. The purpose of this research is to document a more accurate picture of the region's climate, to obtain information about the past climate and to examine the relationship between climate and the ecosystem.

Reference No: 12 404 030 (S)

252

Jasper, Jesse

NWT Programs Branch
Inland Waters Directorate
Environment Canada, Box 2970
Yellowknife, NT X1A 2R2

Hydrologic, Hydraulic and Sediment-Related Aspects of Northern Hydrocarbon Development

Subject: W, G, EC, ML, P, CO

Region: IN

Location: Mackenzie Delta region

Year of Research: 1993

The researchers will work in collaboration with other scientists to study water and sediment characteristics at certain Inland Water Directorate sites in the Mackenzie Delta. This study will be useful for evaluating impacts of hydrocarbon development, as well as delta flooding on water flow, wildlife and vegetation in the delta. In addition, contaminants in water and sediments will be measured.

Reference No: 12 404 334 (S)

253

Jette, Helene

Geological Survey of Canada
601 Booth Street, Room 609
Ottawa, ON K1A 0E8

Palynological Studies in the Mackenzie Observatory

Subject: P, FO

Region: IN

Location: Norman Wells, Fort Good Hope, Richards Island

Year of Research: 1992, 1993

In this multi-year study, the researcher will examine the history of plant communities in the Mackenzie River and Delta regions over the past 15,000 years. Using a hand auger, core samples of sediments will be taken from lake bottoms and the sediments will be analyzed for the presence of pollen and diatoms. Radiocarbon dating, a technique used to estimate age, will be used estimate when the species were present.

Reference No: 12 412 033 (S)

254

Johns, Arlene

Box 431

Hay River, NT X0E 0R0

A Case Study of Grade 12 Native Students in an NWT High School

Subject: ED, T, S

Region: FS

Location: Diamond Jenness School in Hay River

Year of Research: 1992, 1993

The researcher will examine the factors that contribute to the successful completion of high school by Aboriginal students. Interviews of students, parents and teachers will be 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.

Reference No: 12 410 372 (S)

255

Johnson, Jim

Freshwater Institute

501 University Crescent

Winnipeg, MB R3T 2N6

Genetic Population Structuring of Mackenzie River Broad Whitefish

Subject: FI

Region: IN

Location: Mackenzie River Delta, Tuktoyaktuk Peninsula

Year of Research: 1992

Mackenzie River basin broad whitefish represent a mixed-stock population which utilizes different geographical areas for different stages of its life history. The researcher will examine the role of outer delta lakes and lake/rivers of the Tuktoyaktuk Peninsula in the life history of the Mackenzie River population.

Reference No: 12 402 476 (S)

256

Johnston, Laura

Environmental Protection

Environment Canada

Box 370

Yellowknife, NT X1A 2N3

Study of Potential Environmental Impacts of Waste Materials in the Marine Waters near Cambridge Bay

Subject: CO, W, FI, I, MI

Region: KI

Location: Cambridge Bay

Year of Research: 1993

Samples of sediment, water and different marine species such as fish, marine invertebrates (including sea urchins, clams and crabs), and microscopic organisms will be collected by divers from the underwater dumpsite in Cambridge Bay. These samples will be assessed for contaminants such as heavy metals and PCB's. The study is being conducted to determine if the waste materials of the dumpsite have had an impact on the marine environment.

Reference No: 12 402 555 (S)

257

Johnston, Paul A.
Royal Tyrrell Museum
Box 7500
Drumheller, AB T0J 0Y0

Paleobiology of Reef Faunas in Middle-Upper Devonian Strata in the Hay River Area

Subject: FO, I, ED

Region: FS

Location: Louise Falls, Poplar River, Mackenzie and Liard Highways

Year of Research: 1992

The researcher will collect about 400kg of fossils of reef animals by hand or with hammers and chisels from various localities. The fossils will be transported to the Royal Tyrrell Museum and will be used to make moulds. Casts from these moulds will be used to make an exhibit showing a three-dimensional reconstruction of a Devonian Reef.

Reference No: 12 412 029 (S)

258

Johnstone, Rob
Energy, Mines and Petroleum Resources
GNWT, Box 1320
Yellowknife, NT X1A 2L9

Geology and Mineral Potential of the Camsell Lake Area

Subject: G, EC

Region: FS

Location: the Camsell Lake area

Year of Research: 1992

The researcher will traverse throughout the map area examining bedrock exposures and sampling. Through these observations a geological map showing lithology, structure and mineral occurrences will be constructed. Rock samples will be collected for geochemical and petrological analysis. The results of the survey will be presented in the form of poster displays, talks, reports and a map for distribution.

Reference No: 12 404 380 (S)

259

Johnstone, Robert
Mineral Initiatives, MDA
Energy Mines & Petroleum Resources
GNWT, Box 1320
Yellowknife, NT X1A 1V7

Geology and Mineral Potential of the Southern MacKay Lake Area

Subject: G, EC

Region: FS

Location: the MacKay Lake area

Year of Research: 1993

The researcher will document the types, mineralization and structure of bedrock exposures found in this area. Rock samples will be collected for microscopic and chemical analyses.

Reference No: 12 404 380 (S)

260

Johnstone, Robin

Dept. of Veterinary Medicine, WCVN

University of Saskatchewan

Saskatoon, SK S7N 0W0

Factors Influencing Lifetime Reproductive Success in Peregrines

Subject: B

Region: KE

Location: the Keewatin region

Year of Research: 1993

The researcher will establish the influence of pair characteristics, territory quality, alternative mating strategies and pesticide contamination on lifetime reproductive success of peregrine falcons.

Reference No: (R)

261

Jol, Harry M.

Department of Geography

University of Calgary

Calgary, AB T2N 1N4

Use of Ground Penetrating Radar to Assess Subsurface Sediments in the Fort Smith, Slave, Hay River and Liard Deltas

Subject: G

Region: FS

Location: Fort Smith, Fort Simpson, Fort Resolution, Hay River

Year of Research: 1992

The researcher will conduct surveys on the surface of the delta plains. A Pulse Ekko IV ground penetrating radar system will be used to take measurements every one to two metres. This radar will be used to assess subsurface sediments.

Reference No: 12 404 274 (S)

262

Jonsson, Rickard

Karljohnasgatan 17

University of Gothenburg

414 59 Gothenburg, Sweden

Arctic Interests and Ethnic Conflicts

Subject: S, T

Region: IN

Location: Inuvik

Year of Research: 1993

The researchers are collecting information as part of their international studies course in teacher training. They will examine issues concerning ethnic identity and politics. Through interviews with the Inuvialuit and Gwich'in, the researchers will collect information on the political goals of the Inuvialuit and Gwich'in and the methods used to accomplish these goals.

Reference No: 12 410 447 (S)

263

Kah, Linda C.
Department of Earth and Planetary Sciences
Harvard University
24 Oxford Street
Cambridge, MA USA 02138

Carbonate Sedimentation in the Mesoproterozoic Bylot Supergroup (Baffin Island, NWT) and its Influence on Microbialite Microstructure

Subject: FO, MI, W
Region: BA
Location: the Milne Inlet region of Baffin Island
Year of Research: 1993

Stromatolites are variously shaped mounds or reefs composed of sediments and the fossilized remains of single-celled marine organisms called blue-green algae. There are massive fossil reefs located on Baffin Island, which are some of the largest known of their age. By studying the structure, form and chemical make-up of these reefs, information about the ancient ocean and the growth of ancient reefs in the Baffin region can be collected.

Reference No: 12 412 034 (S)

264

Karklins, Karlis and Webster, Debora
Parks Canada
1600 Liverpool Court
Ottawa, ON K1A 0H3

Wager Bay Archaeological Survey

Subject: AR, EC
Region: KE
Location: Wager Bay
Year of Research: 1992

In this multi-year study, the researchers will assess the proposed Wager Bay park's archaeological and historical resources.

Reference No: 208-73 (P)

265

Kaufman, Darrell
Institute of Arctic and Alpine Research
University of Colorado, Campus Box 450
Boulder, CO USA 80309-0450

INSTAAR Geological Fieldwork 1992, NWT

Subject: G, W
Region: BA
Location: southeastern Baffin Island
Year of Research: 1992

In this multi-year study, the researcher will investigate past glacial activity in the eastern Arctic during the last deglaciation (12,000 - 8,000 years ago). The geologic record of environmental changes preserved in lake sediments will also be studied.

Reference No: 12 404 412 (S)

266

Kelly, Brendan P.

Institute of Marine Science

University of Alaska

Fairbanks, AK USA 99775 1080

Under-Ice Behaviour of Ringed Seals

Subject: MM

Region: BA

Location: Resolute Passage, Barrow Strait

Year of Research: 1992, 1993

The researcher will investigate the social organization, diving behaviour and foraging patterns of ringed seals under the shore-fast ice. Sonic transmitters will be attached to the seals and monitored by four hydrophones lowered through the ice. Trained dogs will locate the breathing holes and lairs of seals located beneath the snow. The 3-dimensional locations of seals will be calculated, displayed and stored on micro-computers.

Reference No: 12 402 510 (S)

267

Kelly, John D.

SRI International

Geoscience and Engineering Center

333 Ravenswood Avenue

Menlo Park, CA USA 94025

Early Polar Cap Observations

Subject: AT

Region: BA

Location: Resolute Bay

Year of Research: 1993

The researchers will conduct a long-term study of the earth's atmosphere in Resolute Bay in order to understand the influence of the sun on the earth's atmosphere. Plans to build a permanent observatory that will house specialized scientific instruments are being considered.

Reference No: 12 404 489 (S)

268

Kendrick, Anne

Department of Geography

Burnside Hall

McGill University

Montreal, PQ H3A 2K6

Community Perspectives, Local Ecological Knowledge, and the Beverly and Qamanirjuaq Caribou Management Board

Subject: ML, T, S

Region: KE

Location: Arviat

Year of Research: 1993

The researcher will hold informal interviews with groups of interested members of the community in order to document the effectiveness of caribou management in its present form. Information will also be collected on the community's perceptions of the effectiveness of the Beverly and Qamanirjuaq Caribou Management Board.

Reference No: 12 410 423 (S)

269

Kennedy, Kurt

Canadian Marine Drilling Ltd.

Box 200

Calgary, AB T2P 2H8

Large-Scale Ice Fracture Experiments: Phase 2

Subject: W, EC

Region: BA

Location: Allan Bay near Resolute

Year of Research: 1993

Ice in the Canadian Arctic often cracks and splits, sometimes forming leads. When an offshore oil drilling platform is struck by a piece of ice, it has been observed that in many cases the ice will split. Once the floe has split, the force it can exert on the drilling platform is greatly reduced. This research is intended to determine why and under what conditions ice floes split. A number of experiments will be performed to assess the behaviour of ice.

Reference No: 12 404 446 (S)

270

Kerbes, Richard H.

Canadian Wildlife Service

115 Perimeter Road

Saskatoon, SK S7N 0X4

Neckbanding of White-Fronted and Canada Geese in Inglis River Area

Subject: B

Region: KI

Location: the Inglis River area

Year of Research: 1993

The researcher will obtain up-to-date information for conservation and management of arctic-nesting geese, and conduct a preliminary survey of shorebirds and their habitats.

Reference No: (R)

271

Kerr, Daniel

Geological Survey of Canada

601 Booth Street

Ottawa, ON K1A 0E8

Quaternary Geology of the Winter Lake Map Area

Subject: G

Region: FS

Location: area defined by the Winter Lake Map (NTS 86A)

Year of Research: 1993

The researcher will be conducting geological field work in the region defined by the NTS Winter Lake Map. The work will involve surveying the land features and collecting samples of the rock and sediments, in order that this information can be summarized on a geological map.

Reference No: 12 404 269 (S)

272

Kershaw, G.P.

Department of Geography

University of Alberta

Edmonton, AB T6G 2H4

Studies of the Environmental Effects of Disturbances in the Subarctic (SEEDS)

Subject: G, W, P, ML, CO

Region: IN

Location: 10 km north of Fort Norman

Year of Research: 1992, 1993

The researcher will examine how the surface of the land was changed after the trees were cleared and the soil was trenched in 1985 and 1986, and the spilling of crude oil in 1988. The researcher will test methods to remedy these disturbances. Studies that will be done include the measurement of air and soil temperatures, wind speed, moisture, water movement, permafrost, snow, plants and small animals.

Reference No: 12 404 116 (S)

273

Kershaw, G.P.

Department of Geography

University of Alberta

Edmonton, AB T6G 2H4

Ecological and Geomorphological Investigations in the Alpine Tundra of the Western Mackenzie Mountains

Subject: G, EC, P, CL

Region: IN

Location: the NWT-Yukon border along the Canol Road

Year of Research: 1993

The research will include the collection of data on permafrost landforms, soil movements, microclimate and vegetation response to human-induced disturbances in respect to the development of the Canol Road.

Reference No: 12 404 116 (S)

274

King, Janet E.

Continental Geoscience Division

Geological Survey of Canada

601 Booth Street

Ottawa, ON K1A 0E8

Slave Province NATMAP

Subject: G

Region: KI

Location: numerous locations in the geological Slave Province

Year of Research: 1992

Mapping of bedrock and surficial geology will be conducted in numerous parts of the geologic Slave Province. Specific studies of the bedrock, such as its stratigraphy, the nature of the granitic rocks, how the rocks deformed and metamorphosed, and isotopic dating will provide insight on the geologic evolution of this part (Slave Province) of the Canadian Shield.

Reference No: 12 404 463 (S)

275

King, Roger H.

Department of Geography

Social Science Centre

University of Western Ontario

London, ON N6A 5C2

Paleoenvironment of the Truelove Lowland Area, Devon Island, NWT

Subject: W, G

Region: BA

Location: Devon Island

Year of Research: 1992

In this ongoing study, the researcher will study the record of past environmental changes preserved in the sediments of the Truelove Lowland. The focus of the field work will be the sediments that have accumulated in the larger, deeper lakes and the soils in the areas surrounding these lakes.

Reference No: 12 404 293 (S)

276

Kjarsgaard, Bruce A.

Continental Geoscience Division

Geological Survey of Canada

601 Booth Street

Ottawa, ON K1A 0E8

Geological Mapping, Sheet 76/D - Paul Lake

Subject: G, EC

Region: FS

Location: Paul Lake

Year of Research: 1992

This study is designed to update the present geology of the northern part of Lac De Gras which was last mapped in the 1940's. The study will involve three weeks of field work, with limited helicopter support.

Reference No: 12 404 455 (S)

277

Knotsch, Cathleen

Department of Geography

McGill University

805 Sherbrooke Street West

Montreal, PQ H3C 2K6

History of Inuit Land Use in Cumberland Sound, Baffin Island (NWT)

Subject: S, T

Region: BA

Location: Pangnirtung

Year of Research: 1992, 1993

The researcher will examine the change in Inuit land use patterns in the Cumberland Sound region from the 1880's to present. The researcher will investigate how the Inuit perceive their history and will discuss with them their opinions of the past and present use of various settlements.

Reference No: 12 410 389 (S)

278

Koenig, Brenda
Environmental and Resource Science
c/o Dr. D. Lean
Trent University
Peterborough, ON K9J 7B8

Latitudinal Patterns of Organochlorine Contamination in Zooplankton

Subject: CO, MI, W, FI, AT
Region: BA
Location: Resolute, Iqaluit, Lake Harbour, Pond Inlet
Year of Research: 1993

Organochlorine contaminants can be carried to the Arctic in the atmosphere. The amount of these contaminants in zooplankton will be measured to determine the effects and range of organochlorines in the Arctic ecosystem. The information collected will be useful in determining which types of organochlorines are most common in zooplankton, as well as providing a means to estimate the levels of contaminants in fish.

Reference No: 12 402 474 (S)

279

Koerner, Roy M.
Terrain Sciences Division
Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Ice Core Analysis and Glacier Mass Balance

Subject: W, CL, CO
Region: BA
Location: Queen Elizabeth Islands
Year of Research: 1992

This is an ongoing study to gather information about the past climate in the high Arctic. The data collected will also be used to determine the present climatic trends and pollution levels in snow.

Reference No: 12 404 417 (S)

280

Konarek, Joseph
Department of Geography
Laurentian University
Sudbury, ON P3E 2C6

Destitution, Disease and Death in the NWT During 1900-1960: An Historical Social Study

Subject: H, S
Region: FS
Location: Yellowknife
Year of Research: 1993

The researcher will document living conditions in the NWT prior to the increased presence of the federal government. Information will be collected from the Yellowknife Territorial Archives.

Reference No: 12 408 096 (S)

281

Koudys, Al

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

Arctic Hydrographic and Gravity Survey: Phase One

Subject: MA, W, EC

Region: KI

Location: Coppermine, Coronation Gulf

Year of Research: 1993

The present study will be the first phase of a four-year project to collect water depth and gravity measurements and to determine a safe shipping route through the Coronation Gulf and Victoria Strait. Two helicopters will land at predetermined locations on the sea ice to take measurements. Another helicopter will collect water depth information using airborne electromagnetic techniques. Phase one of this study will be restricted to the Coronation Gulf region.

Reference No: 12 404 478 (S)

282

Krakiwsky, E.J.

Department of Surveying Engineering
University of Calgary
Calgary, AB T2N 1N4

Analysis of GPS Satellite Signals in the Canadian Arctic

Subject: MA

Region: FS

Location: Yellowknife

Year of Research: 1992

The researcher will collect information to determine whether satellite signals have been adversely affected. Two GPS satellite receivers will be stationed at the Yellowknife Airport in a roving land vehicle.

Reference No: 12 404 449 (S)

283

Kranendonk, Martin J.

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

Project Torngat: Bedrock Geological Mapping

Subject: G

Region: BA

Location: Killinek and Button Islands

Year of Research: 1992

The research will consist of bedrock geological mapping and sampling of rocks for laboratory (chemical and petrographic) analysis.

Reference No: 12 404 454 (S)

284

Krebs, Charles

Department of Zoology
University of British Columbia
Vancouver, BC V6T 2A9

Lemming Population Dynamics in Relation to Goose Population in Walker Bay

Subject: ML, B

Region: KI

Location: Walker Bay

Year of Research: 1993

The researcher will measure the abundance of lemmings at Walker Bay, analyze their social organization and measure the impacts of predation on lemming numbers and predation shifts following the lemming decline.

Reference No: (R)

285

Krebs, Charles

Department of Zoology
University of British Columbia
Vancouver, BC V6T 2A9

Lemming Population Fluctuations in the Western Arctic

Subject: ML

Region: IN

Location: the Inuvik region

Year of Research: 1993

The researcher will measure the abundance of lemmings in several areas to determine differences in regional cycle and if they cycle together.

Reference No: (R)

286

Kritsch, Ingrid D.

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

Campbell Lake Park Oral History Project

Subject: S, T, G

Region: IN

Location: Inuvik, Aklavik, Arctic Red River, Campbell Lake Park

Year of Research: 1993

The researcher will conduct this study under the direction of the Gwich'in Tribal Council. The Council would like to gather interpretive information for the development of the Campbell Lake Park. This project will provide the Gwich'in perspective of life in the Campbell Lake Park area. Information on place names, trails, campsites, resources and stories will be recorded from interviews with elders and community residents.

Reference No: 12 410 311 (S)

287

Kukal, Olga

Department of Biology

University of Victoria

Box 1700

Victoria, BC V8W 2Y2

Mechanisms Mediating Freezing Tolerance in Arctic Insects

Subject: I

Region: BA

Location: Alexandra Fiord and Lake Hazen, Ellesmere Island

Year of Research: 1992

The research team will continue to study the ecophysiology of arctic insects.

Reference No: 12 402 373 (S)

288

Kulchyski, Peter

Department of Native Studies

Trent University

Peterborough, ON K9H 1B9

Aboriginal Self-Government in Canada's NWT

Subject: S, T

Region: IN, FS, BA

Location: Yellowknife, Fort Simpson, Fort Good Hope, Pangnirtung

Year of Research: 1993

In this multi-year study, the researcher will conduct interviews with community members to collect information about community values and perspectives of self-government. In addition, information will be collected on the structure, nature and historical development of meetings and territorial assemblies to evaluate their role in the current and future governments of the NWT.

Reference No: 12 410 427 (S)

289

Kyle, G.A.

Interprovincial Pipeline (NW) Ltd.

Box 280

Norman Wells, NT X0E 0J0

Wildlife Monitoring to Assess Impacts of Pipeline Development

Subject: ML, EC

Region: IN

Location: Sahtu

Year of Research: 1993

The researcher will monitor wildlife to assess impacts of pipeline development.

Reference No: (R)

290

Laeyendecker, Dosia
Department of Anthropology
Smithsonian Institution
Washington, DC USA 20560

Meta Incognita-Archaeology of the Frobisher Voyages

Subject: AR, T
Region: BA
Location: Frobisher Bay
Year of Research: 1992

The researcher will excavate Inuit houses near Kodlunarn Island to study possible contact between the Inuit and Frobisher's men and the influences and possible changes this contact may have had on the Inuit. Central to the study will be the examination of wooden artifacts found in these Inuit houses. Researchers will determine whether artifacts were made of English wood brought in by Frobisher's boats in the years 1576-78.

Reference No: 12 404 472 (S)

291

Landhaeusser, Simon M.
Department of Forest Science
University of Alberta
Edmonton, AB T6G 2H1

Climatic Change at the Forest-Tundra Boundary

Subject: CL, P
Region: IN
Location: Inuvik, Tuktoyaktuk, Caribou Hills
Year of Research: 1992

The researcher will determine the maximum size of tree species in a burned and unburned valley in the Caribou Hills. The mass of standing trees on different slopes will be estimated and related to the energy input. Plots prepared in 1990 and planted and seeded in 1991 will be revisited and measurements of growth for the second growing season will be taken.

Reference No: 12 402 448 (S)

292

Lane, Larry
Geological Survey of Canada
3303 - 33rd Street W
Calgary, AB T2L 2A7

Structural and Stratigraphic Analysis of the Northern Yukon and Beaufort-Mackenzie Region

Subject: G
Region: IN
Location: northern Yukon, the Beaufort and Mackenzie region
Year of Research: 1993

The field work will consist of an examination of bedrock exposures during ground surveys (on foot) at selected sites. A geological map will be produced, showing rock types, ages and positions and the degree to which the layers of rock have been folded or faulted during mountain formation.

Reference No: 12 404 312 (S)

293

Langlais, Richard
Human Ecology Section
University of Goteborg
Brogatan 4
S-413 01 Goteborg, Sweden

Ecological Security in the Context of the Canadian Arctic

Subject: S, T
Region: BA, IN
Location: Pangnirtung, Iqaluit, Resolute Bay, Grise Fiord, Inuvik
Year of Research: 1992

The researcher will interview a small number of people living and working in the eastern Arctic to discuss what ecological security means and to ascertain if any of these are ecologically significant ideas and could be applied in the future.

Reference No: 12 410 397 (S)

294

Larsen, Karl
Renewable Resources Technology Program
Arctic College, Box 600
Fort Smith, NT X0E 0P0

Live-Trapping of Small Mammals in the Sub-Niven Environment

Subject: ML
Region: FS
Location: Fort Smith
Year of Research: 1993

The researcher will teach students how to conduct small mammal winter live-trapping and radio-tracking.

Reference No: (R)

295

Larsen, Karl
Renewable Resource Technology Program
Arctic College, Box 600
Fort Smith, NT X0E 0P0

Small and Large Mammal Radio Telemetry Course

Subject: ML
Region: FS
Location: Fort Smith
Year of Research: 1993

The researcher will teach students how to conduct winter live-trapping and identify mammals inhabiting subnivean space.

Reference No: (R)

296

Larter, Nicholas

Department of Renewable Resources
Government of the NWT
Bag Service #1
Inuvik, NT X0E 0T0

Banks Island Range Study

Subject: ML, P, W

Region: IN

Location: Banks Island

Year of Research: 1993

The researcher will determine seasonal changes in diet composition, impact of grazing, seasonal changes in forage quality and the available areas of different habitats. The researcher will also monitor changing snow conditions and body condition.

Reference No: (R)

297

Latour, Paul

Department of Renewable Resources
Government of the NWT
Box 130
Norman Wells, NT X0E 0V0

Wildlife Response to Forest Fire Burns in the Mackenzie Valley

Subject: ML, P

Region: IN

Location: Mackenzie Valley

Year of Research: 1993

The researcher will assess the winter abundance of furbearing species in burns of difference ages and describe the vegetational characteristics of the burns.

Reference No: (R)

298

Lauriol, Bernard

Department of Geography
University of Ottawa
550 Cumberland
Ottawa, ON K1N 6N5

The Application of Landsat Imagery to Map Surficial Deposits on Akpatok Island

Subject: G

Region: BA

Location: Akpatok Island

Year of Research: 1993

The researchers will map the types of rock and landforms of Akpatok Island using information collected from air photographs as well as data collected during the site visit. Samples of rock will be collected for further analysis. Interpretation of this information may provide clues to the island's long-term history.

Reference No: 12 404 490 (S)

299

Le Blanc, Raymond

Department of Anthropology

University of Alberta

Edmonton, AB T6G 2H4

Excavation of the Qugyuk Site on Harrowby Bay

Subject: AR

Region: IN

Location: Harrowby Bay, Old Horton River Channel

Year of Research: 1992

A small crew of archaeologists will excavate the Qugyuk site on Harrowby Bay. They will also examine the shores of Harrowby Bay and portions of banks of the Old Horton River Channel for other archaeological sites. The objective is to increase the sample of artifacts to assist in the identification of the archaeological culture or cultures responsible for the remains, and to obtain bone samples for other dates.

Reference No: 208-29 (P)

300

Le Mouel, Jean-Francois

138 Blvd. du Montparnasse

Paris, France 75014

Archaeological Survey at Kanghiryuak, Victoria Island

Subject: AR

Region: KI

Location: Kanghiryuak, Prince Albert Sound (260 km from Holman)

Year of Research: 1993

The researcher will survey the head of Prince Albert Sound, an important hunting territory of the historic Kanghiryuarmiut. The researcher will inventory and map the archaeological resources of the area.

Reference No: 208-30 (P)

301

Lee, John

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Wolverine Ecology in the Central Arctic: Pilot Project

Subject: ML

Region: KI

Location: the Kitikmeot region

Year of Research: 1993

The researcher will collect information on the harvest numbers and composition and will evaluate methods to capture and study wolverine.

Reference No: (R)

302

Legat, Allice
4034 School Draw Avenue
Yellowknife, NT X1A 2J8

Dene Traditional Government

Subject: S, T
Region: FS
Location: Rae Lakes
Year of Research: 1993

The research team which will consist of members of the Rae Lake Dene, in cooperation with the Dene Cultural Institute and the Arctic Institute of North America will document traditional governing systems used prior to the 1921 Treaty. Reference No: 12 410 343 (S)

303

Lennie, Naudia
Archaeology Program
Prince of Wales Northern Heritage Centre
GNWT, Box 1320
Yellowknife, NT X1A 2L9

Survey of Inuvialuit Heritage Sites Located Within the Mackenzie Delta Region

Subject: G, S, T
Region: IN
Location: the Mackenzie Delta area
Year of Research: 1993

The researcher and guide/translator will travel the Mackenzie Delta regions of Thrasher Channel, Napoiak, Big Jim Channel and Horseshoe Bend to find the locations of camp and hunting sites, as well as cabins and legendary sites, that may be important to Inuvialuit history. Traditional place names and land use will also be recorded. Information will be obtained from elders who are living out on the land.

Reference No: 12 410 422 (S)

304

Lenz, Alfred C.
Department of Geology
University of Western Ontario
London, ON N6A 5B7

Silurian Graptolites of the Arctic Islands

Subject: FO, MI
Region: BA
Location: northern Cornwallis Island, central Ellesmere Island
Year of Research: 1992, 1993

As part of a long-term study, the researcher will continue to collect fossil specimens of graptolites in rocks collected from northern Cornwallis Island and central Ellesmere Island. The researcher is investigating why some species became extinct over 415 million years ago, while other species went through rapid changes.

Reference No: 12 412 039 (S)

305

LePage, Ben A.

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

**Determination of Fossil Plant DNA Sequences and Comparison
with Contemporary Homologous Sequences**

Subject: FO, P

Region: BA

Location: Axel Heiberg Island

Year of Research: 1992

The researcher will compare genes isolated from fossil trees with homologous contemporary genes to evaluate rates of evolution and to reconstruct phylogenies.

Reference No: 12 404 424 (S)

306

Leroux, Odette

Curator of Inuit Art
Canadian Museum of Civilization
Box 3100, Station B
Hull, PQ J8X 4H2

Cape Dorset Women Artists

Subject: S, EC

Region: BA

Location: Cape Dorset and Iqaluit

Year of Research: 1992

The researcher will continue work begun in 1991 and will complete interviews with six women artists in Cape Dorset. This work will finalize research for the publication and exhibition the Cape Dorset Women Artists.

Reference No: 12 410 261 (S)

307

Lesack, Lance

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

Biogeochemistry of Lakes in the Mackenzie Delta

Subject: W, MI, I

Region: IN

Location: the Mackenzie Delta near Inuvik

Year of Research: 1993

The researcher will investigate the chemical makeup of ice, streams and lakes. In addition, some work will be conducted on measuring the microscopic and larger organisms present in streams.

Reference No: 12 404 485 (S)

308

Letwin, Mona

Department of Political Science

University of Calgary

Calgary, AB T2N 1N4

Pressure Group Politics, Health Care Policy and the Legislative Assembly of the NWT

Subject: H, S

Region: FS

Location: Yellowknife

Year of Research: 1993

The Legislative Assembly of the NWT operates in the absence of political parties. Since NWT MLA's are not governed by strict party politics, the relationships between interest groups and the Legislative Assembly may be different from southern institutions. The researcher will conduct informal interviews with representatives of various health care interest groups to determine if these groups influence policy development through lobbying of the Legislative Assembly.

Reference No: 12 410 446 (S)

309

Lewis, Trish

Environmental Technology Program

Arctic College

Iqaluit, NT X0A 0H0

Limnological Survey of Ikalliarvik Lake

Subject: W, MI

Region: BA

Location: Ikalliarvik Lake near Iqaluit

Year of Research: 1993

As part of the Environmental Technology program of Arctic College, students will gain experience in using various limnological techniques to collect physical, biological and chemical data from Ikalliarvik Lake. Measurements include ice and snow depth, lake area and volume, degree of light penetration, water sampling for chemical concentrations and pH, and collection of zooplankton.

Reference No: 12 404 416 (S)

310

Lewkowicz, Antoni G.

Department of Geography

Erindale Campus

University of Toronto

Mississauga, ON L5L 1C6

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

Subject: CL, G, W

Region: BA

Location: Fosheim Peninsula on Ellesmere Island

Year of Research: 1992, 1993

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.

Reference No: 12 404 153 (S)

311

Little, Lois

Lutra Associates Ltd.

Box 1866

Yellowknife, NT X1A 2P4

Review and Assessment of the Chevron/Fort Good Hope Joint Venture Experiences and the Application of this Assessment to Future Hydrocarbon Development

Subject: S, EC

Region: IN, FS

Location: Yellowknife, Fort Good Hope, Norman Wells

Year of Research: 1993

The research team will develop interview guidelines and a questionnaire in order to collect the experiences of community, industry, government and special interest group members gained during the Chevron/Fort Good Hope Joint Venture, and to apply recommendations of this study to future oil and gas developments.

Reference No: 12 410 306 (S)

312

Lockhart, W.L.

Department of Fisheries and Oceans

501 University Crescent

Winnipeg, MB R3T 2N6

Bathymetry of Lac Belot

Subject: W, G, FI

Region: IN

Location: Lac Belot

Year of Research: 1992

The researcher will conduct a bathymetric survey to map the contours of the bottom of Lac Belot to determine the distribution of fish in the lake. Several soil samples will be collected to determine the amount of atmospheric dust fallout. Tissue samples from lake trout and ground squirrels will be collected to compare some aspects of their biochemistry with that of the same species from Alaska.

Reference No: 12 404 465 (S)

313

Lockhart, W.L.

Department of Fisheries and Oceans

501 University Crescent

Winnipeg, MB R3T 2N6

Atmospheric Contaminant Inputs to and Impacts on Lac Belot

Subject: CO, W, FI

Region: IN

Location: Lac Belot, Colville Lake

Year of Research: 1993

As part of this ongoing study, sediment samples will be taken from the deepest locations of Lac Belot and Colville Lake. These samples will be analyzed for the presence of contaminants and dated. These analyses will allow the researcher to construct histories of the input of contaminants to these lakes. In addition, lake trout, whitefish and turbot will be collected to determine which contaminants they contain and whether these contaminants are affecting the fish.

Reference No: 12 404 465 (S)

314

Loewen, Valerie

Habitat Management Section

Yukon Department of Renewable Resources

Box 2703

Whitehorse, YT Y1A 2C6

Wildlife Key Habitat Mapping - Richardson Mountains

Subject: ML, P

Region: IN

Location: northern Richardson Mountains

Year of Research: 1992

Effective wildlife management requires knowing the location, distribution and abundance of key habitats, as well as an understanding of how wildlife uses the habitat and what features make it "key". This research will identify, map and describe wildlife key habitats in the Aklavik traditional hunting and trapping area of the Inuvialuit Settlement Region.

Reference No: 12 402 512 (S)

315

Long, Darrel G.F.

Professor, Sedimentology

Department of Geology, Laurentian University

Ramsey Lake Road

Sudbury, ON P3E 2C6

Stratigraphy of Early Palaeozoic Sequences on Devon Island

Subject: G

Region: BA

Location: Devon Island

Year of Research: 1992

This research represents a continuation of work carried out in 1985 on northern Ellesmere Island. Fieldwork will examine Lower Cambrian to Middle Ordovician strata in eastern Devon Island.

Reference No: 12 404 253 (S)

316

Long, Darrel G.F.

Department of Geology

Laurentian University

Ramsey Lake Road

Sudbury, ON P3E 2C6

Clastic-Carbonate Transitions in Lower Cambrian Strata of Ellesmere Island, Arctic Archipelago

Subject: G

Region: BA

Location: central and northeastern Ellesmere Island

Year of Research: 1993

The 1993 field work represents a continuation of field work carried out in northern Ellesmere Island in 1985 and Devon Island in 1992. The research involves the examination of the Lower Cambrian strata located on Ellesmere Island.

Reference No: 12 404 253 (S)

317

Longworth, Bob
Arctic Ridge Consulting
Box 508
Iqaluit, NT X0A 0H0

Transition Era History of Apex-Iqaluit, NWT: 1942 to 1963

Subject: S, T
Region: BA
Location: Apex, Iqaluit
Year of Research: 1993

During the period between 1942 and 1963, Inuit in the southern portion of Baffin Island went through a major transition from living off the land in the traditional way, to living in permanent settlements. The researchers will collect information about this period of development in the history of Apex and Iqaluit by gathering information from printed materials, as well as interviews with long-term residents. Text will be written for historic plaques.

Reference No: 12 410 432 (S)

318

Lusk, Barry M.
Institute of Ocean Sciences
Department of Fisheries and Oceans
Box 6000
Sidney, BC V8L 4B2

Hydrographic Surveys of Canada's Western Arctic 1993

Subject: W, G
Region: KI
Location: Dolphin and Union Strait, Coronation Gulf area
Year of Research: 1993

The surveyors will measure the depths of water in the Strait and determine the position of the shoreline and other geographical features. These measurements will be used to construct nautical charts or maps of the area. Similar surveys will be conducted in the Coronation Gulf and Ice Breaker Channel during the following weeks.

Reference No: 12 404 484 (S)

319

Lutzoni, Francois
Department of Botany
Duke University
Box 90339
Durham, NC USA 27706

Phylogenetics of Omphalina (Basidiomycotina, Agaricales) and the Evolution of Lichenization

Subject: P
Region: BA
Location: Iqaluit
Year of Research: 1993

The researcher will collect lichens in the vicinity of Iqaluit in order to better understand the variety of species that grow in the high Arctic. Some species of fungi grow with algae and these partnerships are recognized as lichens. In an attempt to study this partnership, the researcher separate the fungi part from the algae and grow each separately in a laboratory. The researcher will also be visiting Greenland and Iceland in order to make similar lichen collections.

Reference No: 12 402 529 (S)

320

MacDonald, Glen M.
Department of Geography
McMaster University
1280 Main Street West
Hamilton, ON L8S 4K1

Postglacial Treeline Change in the Mackenzie-Selwyn Mountains

Subject: P, CL, W

Region: IN

Location: Mackenzie-Selwyn Mountains southwest of Norman Wells

Year of Research: 1992

The researcher will continue to study past climatic variation and will continue to examine the relationship between climatic change and vegetation response. The researcher will also continue the lake sediment coring and will collect tree increment cores.

Reference No: 12 404 262 (S)

321

MacDonald, Glen M.
Department of Geography
McMaster University
1280 Main Street West
Hamilton, ON L8S 4K1

Post-Glacial Treeline Change in the Campbell-Dolomite Uplands of the Inuvik Area

Subject: P, CL

Region: IN

Location: the Inuvik area near Campbell Lake

Year of Research: 1993

As part of an on-going study, this research will involve collecting cores from trees located in the Campbell-Dolomite Uplands (near Campbell Lake). The findings as well as data collected in other locations will be used to determine how past climate has influenced the growth of trees (as indicated by tree rings within the tree trunk). The research is helpful in trying to understand how future changes in climate may affect plant growth in the north. Reference No: 12 404 262 (S)

322

MacDonald, John
Igloolik Research Centre
Box 210
Igloolik, NT X0A 0L0

Inuit Astronomy and Cosmology

Subject: AT, S, T

Region: BA

Location: Igloolik

Year of Research: 1993

Information will continue to be gathered from Iglulingmiut on arctic celestial and atmospheric phenomena including associated terminologies, mythologies and legends. Inuit star and constellation names will be linked to the European equivalents. The Inuit lunar calendar and the role of stars in the determination of seasonal times will also be examined.

Reference No: 12 410 346 (S)

323

MacDonald, John
Igloodik Research Centre
Box 210
Igloodik, NT XOA 0L0

Thematic Annotation of the 1821-1823 Journals of W.E. Parry and Related Texts

Subject: S, G, CL
Region: BA
Location: Igloodik
Year of Research: 1993

The expedition journals kept by W.E. Parry during his visits to the Northern Foxe Basin during 1821-1823 will be organized, excerpted and annotated under approximately 100 thematic headings and sub-headings. These journals provide the earliest written records of the area. The project will emphasize Inuit ethnology, but will include geography, toponymy, biology, climatology and geology.
Reference No: 12 410 346 (S)

324

Macdonald, R.W.
Institute of Ocean Sciences
Department of Fisheries and Oceans
Box 6000
Sidney, BC V8L 4B2

Beaufort Sea Oceanography

Subject: EC, W, P
Region: IN
Location: Mackenzie River, Tuktoyaktuk Peninsula, Mackenzie Bay, Herschel Island
Year of Research: 1992

This ongoing project addresses the transport of substances to and across the Beaufort Shelf including hydrocarbons, and the ecological processes with which oil exploration will interact. The dynamics of shorefast ice fields, shelf circulation and currents, vertical mixing processes, water properties, plant pigments in the water column and vertical flux of particles over the shelf will be studied.
Reference No: 12 404 299 (S)

325

Mackay, J.R.
Department of Geography
University of British Columbia
Vancouver, BC V6T 1Z2

Permafrost Studies: Western Arctic Coast

Subject: W
Region: IN
Location: Inuvik, Richards Island, Gary Island, Tuktoyaktuk Peninsula
Year of Research: 1992, 1993

This is an ongoing study of permafrost growth will involve investigations at a large lake which was artificially drained in 1978. The study of pingos (started in 1969) and the study of ice wedges (started in 1966) will involve measurements of ice growth.
Reference No: 12 404 247 (S)

326

MacLean, Brian

Atlantic Geoscience Centre
Geological Survey of Canada
Bedford Institute of Oceanography
Box 1006, Dartmouth, NS B2Y 4A2

Marine Geological and Geophysical Studies in Hudson Strait and Ungava Bay During 1993

Subject: W, G

Region: BA

Location: Hudson Strait and Ungava Bay region

Year of Research: 1993

The researchers will collect information from a ship travelling through the Hudson Strait and Ungava Bay region on the history and characteristics of the seabed. Some samples of sediments on the seafloor will be taken for further analyses.

Reference No: 12 404 254 (S)

327

MacLean, Norm

Department of Renewable Resources
Government of the NWT
Box 130
Norman Wells, NT X0E 0V0

Population Size and Composition of Moose in Fort Norman Area

Subject: ML

Region: IN

Location: Fort Norman

Year of Research: 1993

The researcher will assess the moose population size and composition within a 100 km radius of Fort Norman.

Reference No: (R)

328

Maffey, Murray

Northern Forestry Centre
Forestry Canada
5320 - 122 Street
Edmonton, AB T6H 3S5

Forest Fire Research

Subject: P

Region: FS

Location: Fort Simpson, Little Rat Lake, Mackenzie Bison Sanctuary

Year of Research: 1992, 1993

The researcher is involved in the collection of data at a prescribed burn site located at Little Rat Lake (Hook Lake) near Fort Resolution. The researcher is also participating in the fire history study in the Mackenzie Bison Sanctuary. Finally, crew leaders from the Fort Simpson initial attack teams will be interviewed about fire suppression techniques.

Reference No: 12 402 511 (S)

329

Manga, Louise
1080 Castlehill Crescent
Ottawa, ON K2C 2A8

Acquisition of Affixes and Stranding in Young Inuit Children

Subject: S
Region: BA
Location: Igloolik
Year of Research: 1992, 1993

This project involves the collection of two types of data: (1) the acquisition of affixes in children beginning to speak Inuktitut in homes where only Inuktitut is spoken; and (2) the acquisition of stranding by older children who have already acquired noun incorporation. In each case, speeches would be taped and translated/transcribed into English.

Reference No: 12 410 414 (S)

330

Marino, Bruno D.
Department of Earth & Planetary Sciences
Harvard University
Cambridge, MA USA 02138

Use of Fossil Plants and Shells to Infer Past Climate

Subject: FO, P, CL
Region: BA
Location: Baffin Island
Year of Research: 1992

The researcher will sample plants and shells containing records of the stable isotopic composition of the constituents in the environment that are used for growth. The natural abundance of the stable isotopes of carbon in atmospheric carbon dioxide and in dissolved groundwater, as well as the hydrogen and oxygen isotopes in water can be related to climatic factors. Thus, these isotope ratios in shells and plants can be used as proxy records.

Reference No: 12 402 522 (S)

331

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

Snowmelt Runoff/Chemistry in High Latitude Permafrost Basins

Subject: W, CO
Region: IN
Location: the Trail Valley Creek and Havikpak Creek areas
Year of Research: 1992, 1993

The researchers will study the role of the snowcover in controlling both streamflow and the movement of solutes/nutrients/pollutants through both tundra and forested ecosystems. Computer models will also be developed to predict the distribution and properties of snow, its melt and runoff during the spring period, and the release of solutes/nutrients/pollutants from the snow.

Reference No: 12 404 378 (S)

332

Marsh, Philip

National Hydrology Research Institute

11 Innovation Blvd.

Saskatoon, SK S7N 3H5

Mackenzie Delta Hydrology and Ecosystem Interactions

Subject: W

Region: IN

Location: NRC Lake, Shallow Bay, Big Lake, the area between Inuvik and Aklavik

Year of Research: 1992, 1993

This ongoing study is aimed at understanding the factors controlling water levels and the availability of nutrients in a variety of lakes in the Mackenzie Delta. This work will allow us to better understand the natural Mackenzie Delta ecosystem, and to make better predictions of the effect of environmental change on the Delta. Cores of sediment will be collected from lake bottoms to determine how much sediment has been deposited over the last 30 years.

Reference No: 12 404 378 (S)

333

Martel, Pat

Hay River Reserve Treatment Centre

Box 160

Hay River, NT X0E 0R0

Development of a Native Cultural Component for the Treatment of Alcohol and Drug Problems in the NWT

Subject: H, S, T

Region: FS

Location: Hay River Reserve, Fort Simpson, Fort Providence, Fort Smith

Year of Research: 1992

The research will be based at Hay River and conducted over a four month period in 1992, in order to provide a working draft of the Native cultural component of the Hay River Reserve Treatment Centre for the training of Centre staff. Seven elders from designated communities in the South Slave region will be employed as the primary resource for development and organization of information with regard to traditional beliefs and healing practices within the communities.

Reference No: 12 408 091 (S)

334

Mate, Bruce R.

Oregon State University

Hatfield Marine Science Centre

Newport, OR USA 97365

Monitoring Movements and Dive Habits of Bowhead Whales Through Satellite Monitored Radio Tags

Subject: MM

Region: IN

Location: eastern Beaufort Sea

Year of Research: 1992

The researchers will once again attempt to tag 12 bowhead whales. They will study how the whales move about during the feeding season, and where and when they migrate west out of the Beaufort Sea. They will determine whether the migratory routes or timing vary between different kinds of animals, and will determine the dive habits of the tagged animals.

Reference No: 12 402 495 (S)

335

Matthews, Steve

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Monitoring Caribou Activity at Lupin Mine

Subject: EC, ML

Region: KI

Location: Lupin Mine

Year of Research: 1993

The researcher will determine the number and behaviour of caribou at the tailings ponds and the airstrip at Lupin Mine.

Reference No: (R)

336

Maus, Lin

Environmental Technology Program

Arctic College, Nunatta Campus

Box 600

Iqaluit, NT X0A 0H0

Comparative Osteology and Wildlife Specimen Collection

Subject: ED, ML

Region: BA

Location: Baffin

Year of Research: 1993

The researcher will develop a comparative collection of the skeletal anatomy of various arctic wildlife species for teaching and research purposes.

Reference No: (R)

337

McCabe, Thomas

Alaska Fish & Wildlife Service

101 - 12th Avenue, Box 20

Fairbanks, AL USA 99701

Caribou Population on the Arctic Coastal Plains

Subject: ML, EC

Region: IN

Location: Inuvik

Year of Research: 1993

The researcher will estimate the potential impact of petroleum exploration and development on the status, demographics and dynamics of caribou population on the Arctic Coastal Plains.

Reference No: (R)

338

McClelland, Patricia
#60 - 96 Lewes Blvd.
Whitehorse, YT Y1A 4S6

Identification of Content and Structure Requirements for a Nursing Diploma Program in the Yukon Territory and the NWT

Subject: ED, H, S
Region: FS
Location: Arctic College, Yellowknife
Year of Research: 1992, 1993

To plan for nursing education in the Yukon and NWT, it is important to know the knowledge and skills that nurses require to work in the North. This research has been designed to ask employers, nurses and community members to rate common curriculum items in a nursing program as to their importance, and to suggest items which they feel are important that are currently excluded in most nursing programs.

Reference No: 12 410 415 (S)

339

McElroy, Ann P.
Department of Anthropology
State University of New York at Buffalo
Buffalo, NY USA 14261

Ethnographic Study of the Psychological and Medical Impact of Modernization on Baffin Island Inuit

Subject: H, S
Region: BA
Location: Iqaluit
Year of Research: 1992

The researcher will conduct a four week pilot project to assess the feasibility of a follow-up study of the impact of change and modernization over the last 26 years on Inuit families in Iqaluit. A comparison of Iqaluit in the 1990s with Iqaluit of the 1960s will be conducted, utilizing participant-observation as well as formal and informal interviews.

Reference No: 12 410 405 (S)

340

McIntyre, David J.
Institute of Sedimentary and
Petroleum Geology
3303 - 33rd Street
Calgary, AB T2L 2A7

Palynology and Stratigraphy of the Lower Cretaceous Mt. Goodenough Formation, Aklavik Range, NWT

Subject: FO, MI, G, CL
Region: IN
Location: Aklavik Range, western Mackenzie Delta
Year of Research: 1992

The researchers will collect rock samples for study of fossil algae (dinoflagellates) and will determine the geological age. They will correlate findings with similar material from wells and will determine climate and environment conditions at the time the rocks were deposited.

Reference No: 12 404 397 (S)

341

McIsaac, Elizabeth

36 Bledlow Manor Drive
Scarborough, ON M1E 1B2

Decoding Iconography

Subject: S, T

Region: BA

Location: Lake Harbour

Year of Research: 1992

The researcher will identify individuals from photos circa 1912 of Lake Harbour. Through interviews with community members, the researcher will identify individuals in the photos and develop an understanding of the historical-cultural context of the photos.

Reference No: 12 410 411 (S)

342

McIsaac, Elizabeth

36 Bledlow Manor Drive
Scarborough, ON M1E 1B2

The Environmental and Cultural Heritage of Lake Harbour

Subject: EC, S, T

Region: BA

Location: Lake Harbour

Year of Research: 1993

While conducting research in Lake Harbour in 1992, the researcher noted residents were interested in the development of a local cultural and environmental visitors centre. This centre would complement the Katannilik Park, which is located on one of Canada's heritage river systems. As an initial step, the researcher will document the cultural and environmental heritage through interviews with residents.

Reference No: 12 410 411 (S)

343

McLean, Scott

411 Village Grove
Sherwood Park, AB T8A 4K3

A History of Adult Education in the Kitikmeot Region

Subject: ED

Region: KI, FS

Location: Cambridge Bay, Yellowknife, Fort Smith

Year of Research: 1992

The researcher will use archival materials in Cambridge Bay, Yellowknife and Fort Smith in order to document the history of adult education in the Kitikmeot. As well, he will interview government employees involved with Arctic College and the Department of Education. The researcher will analyze how the history of adult education activities are linked to processes of social change in the Kitikmeot.

Reference No: 12 410 409 (S)

344

Mech, David L.

US Fish & Wildlife Service

North Central Forest Experimental Station

1992 Folwell Avenue

St. Paul, MN USA 55108

Behavioral Ecology of an Arctic Wolf Pack

Subject: ML

Region: BA

Location: the Baffin region

Year of Research: 1993

The researcher will document the social interactions of wolf pack members through field investigations.

Reference No: (R)

345

Medendorp, John

867 Lakeshore Road

Box 5050

Burlington, ON L7R 4A6

Arctic Hydrographic Survey

Subject: W, EC

Region: KI

Location: Pelly Bay

Year of Research: 1992

The researchers will collect water depth measurements through the ice to find a safe shipping route for sea-lift and fuel supply ships into Pelly Bay.

Reference No: 12 404 393 (S)

346

Melchin, Michael J.

Department of Geology

University of Toronto

170 College Street

Toronto, ON M5S 1A1

Paleontological Collecting and Stratigraphic Studies, Cornwallis and Ellesmere Islands

Subject: G, FO, W

Region: BA

Location: Ellesmere Island, Cornwallis Island

Year of Research: 1992

The researcher will study the distribution of graptolite and what it reveals about the timing of geologic events and ancient geographic distributions. The study on the geographic and ecological distribution of particular graptolite species between the deeper-water sediments of the Hazen Formation and the shallower-water strata of the Cape Phillips Formation will also be continued.

Reference No: 12 404 223 (S)

347

Melling, Humfrey
Ocean Physics Division
Institute of Ocean Sciences
Box 6000, 9860 West Saanich Road
Sidney, BC V8L 4B2

Ice Thickness Topography Study - Beaufort Sea

Subject: W
Region: IN
Location: east of Tuktoyaktuk
Year of Research: 1992, 1993

The researcher will continue to study sea ice in the Beaufort Sea. Sonar instruments will be recovered and redeployed to measure the motion, thickness and ridging of sea ice as it drifts overhead throughout the year. A survey to seawater temperature and salinity will also be repeated.

Reference No: 12 404 248 (S)

348

Miller, Beth
Dept. of Sociology and Anthropology
University of Windsor
401 Sunset Avenue
Windsor, ON N9B 3P4

The Place of Arts and Crafts in the Social and Economic Life of Northern Communities

Subject: EC, S
Region: BA
Location: Igloolik
Year of Research: 1992

The researcher will identify the proportion of income provided to the household economy through arts and crafts, as well as identify economic factors such as fluctuation in the cost and availability of raw materials, marketing, buyers, contributions of producers, and the difficulties in recruiting and training young people to participate in arts and crafts production.

Reference No: 12 410 402 (S)

349

Miller, Beth
Dept. of Sociology and Anthropology
University of Windsor
401 Sunset Avenue
Windsor, ON N9B 3P4

Economic and Cultural Importance of Sewing Activities in the Inuit Household

Subject: S, T, EC
Region: BA
Location: Igloolik
Year of Research: 1993

The researcher will return to Igloolik to undertake a more detailed examination of the economic and cultural importance of sewing activities in the Inuit household. The issues to be considered are the teaching and learning of sewing skills, the close connections between hunting and sewing and the economic contribution of sewing to the household. In addition, the researcher will collect information about the advantages of opening a local sewing centre.

Reference No: 12 410 402 (S)

350

Miller, Frank
Canadian Wildlife Service
2nd Floor, 4999 - 98 Avenue
Edmonton, AB T6B 2X3

Peary Caribou Conservation

Subject: ML, T
Region: BA
Location: Bathurst Island
Year of Research: 1993

The researcher will be obtaining traditional knowledge of the year round distribution and movement of Peary caribou within the Bathurst Island complex.

Reference: (R)

351

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

Late Quaternary Glacial and Climate History on Baffin Island, NWT

Subject: G, W, CL
Region: BA
Location: Cape Dyer, Lake Harbour, Iqaluit
Year of Research: 1993

The Arctic has an effect on the climate that is experienced in the rest of the world. We are attempting to understand how climate and the growth (movements) of glaciers influence each other, both in the present and during the last 20,000 years. We will be taking samples of sediments from the bottoms of lakes, as these sediments contain information about changes in climate.

Reference No: 12 404 043 (S)

352

Moisan, Yves
Dept. de geographie et teledetection, CARTEL
2500 boul. Universite
Sherbrooke, PQ J1K 2R1

Application of ERS-1 Radar Data to the Study of the White-Thompson Glacier Complex, Axel Heiberg Island, NWT

Subject: W, MA
Region: BA
Location: Expedition Fiord, Axel Heiberg Island
Year of Research: 1993

The field research will involve the measurement of a high Arctic valley glacier using mainly portable electronic equipment in order to better understand the interaction between radar signals and a glacier surface. This exercise may contribute to more accurate interpretation of satellite radar data on glaciological phenomena.

Reference No: 12 404 290 (S)

353

Montgomerie, Robert D.

Department of Biology

Queen's University

Kingston, ON K7L 3N6

Behavioral Ecology of High Arctic Birds

Subject: B

Region: BA

Location: the Baffin region

Year of Research: 1993

The researcher will determine the behavioral ecology of high arctic vertebrates and document their reproductive, territoriality and foraging ecology.

Reference No: (R)

354

Montgomerie, Robert D.

Department of Biology

Queen's University

Kingston, ON K7L 3N6

Song Dialects of Lapland Longspurs and Female Reproductive Strategies in Arctic Birds

Subject: B

Region: BA

Location: Igloolik, Iqaluit, Sarcpa Lake

Year of Research: 1992

The researcher will determine the extent of local and geographic variation in Lapland longspur songs. As well, the researcher will look at the variety of strategies used by female birds to ensure their reproductive success in a cold environment. The ability of eggs to withstand cold temperatures and the methods used by females in raising their offspring will also be examined.

Reference No: 12 402 314 (S)

355

Moore, Jan Allison

1266 Pine Avenue West

Montreal, PQ H3G 1A8

Environmental Factors Affecting Conductive Hearing Loss in Inuit Children

Subject: H, S

Region: KI

Location: Coppermine

Year of Research: 1993

The researcher will conduct a study on hearing loss in Inuit children. By examining the children's diets, sleep patterns and exposure to cigarette smoke, the researcher will determine whether these factors are related to upper respiratory infections, and whether these factors (including infections) affect hearing abilities.

Reference No: 12 408 099 (S)

356

Moore, Robert M.

Department of Oceanography

Dalhousie University

Halifax, NS B3H 4J1

A Study of the Supply of Organic Bromine from the Ocean to the Arctic Atmosphere.

Subject: AT, W

Region: IN

Location: Beaufort Sea near Tuktoyaktuk

Year of Research: 1992, 1993

Previous research has indicated that compounds containing bromine could play a role in the destruction of the ozone layer. This study is part of ongoing research which examines how important northern marine waters are as sources of bromine to the Arctic atmosphere. Seawater, snow and ice will be collected and assessed for bromine. In addition, measurements will be taken to determine if seaweeds contribute bromine to the environment.

Reference No: 12 404 331 (S)

357

Moorman, Brian

Department of Earth Sciences

Carleton University

1125 Colonel By Drive

Ottawa, ON K1S 5B6

The Origins and Implications of Tabular Massive Ground Ice

Subject: W, CL

Region: BA

Location: Bylot Island

Year of Research: 1993

Characteristics of different types of ground ice will be examined. As the glaciers on Bylot Island retreat, thick layers of ice are buried beneath the ground. The researcher will examine how this ice changes in its physical and chemical makeup when it becomes buried. Information on climate change will also be extracted from the ice.

Reference No: 12 404 480 (S)

358

Morewood, Dean

Department of Biology

University of Victoria

Box 1700

Victoria, BC V8W 2Y2

Insect Parasitoids of High Arctic Woolly-Bear Caterpillars

Subject: I

Region: BA

Location: Alexandra Fiord on Ellesmere Island

Year of Research: 1993

In order to study parasitoids of woolly-bear caterpillars, surveys will be conducted to assess the local population of caterpillars. Immature parasitoids will be collected through dissection of caterpillars, as well as information about their life cycle as they develop within the host. Caterpillars will be collected to watch the development of the parasitoids within living hosts and for further physiological studies in a laboratory.

Reference No: 12 402 537 (S)

359

Morgan, James P.

Box 863

Ucluelet, BC V0R 3A0

Co-Management of Wildlife in Northern National Parks: A Regional Perspective

Subject: ML, S

Region: IN, FS, BA

Location: Pangnirtung, Yellowknife, Inuvik

Year of Research: 1992

This project was identified by the CPS as essential to effective co-management of wildlife in northern national parks. A broader look at how each park implements co-management and how other agencies have been successful in co-managing wildlife is required to form and formulate a consistent approach across the northern national parks system.

Reference No: 12 410 390 (S)

360

Morrison, David

Archaeological Survey of Canada

Canadian Museum of Civilization

Box 3100, Station B

Hull, PQ J8X 4H2

Inuvialuit Archaeology at 500 Lake and the Old Horton Channel

Subject: AR

Region: IN

Location: Husky Lake, 500 Lake, Old Horton River Channel off Harrowby Bay

Year of Research: 1992

The summer will be spent excavating a collapsed sod house at a site called Pokiak, located near 500 Lake in the Husky Lakes region, south of Tuktoyaktuk. The Pokiak site represents the remains of an abandoned Inuvialuit village, with at least ten houses. Two other sites located on the Old Horton River Channel off Harrowby Bay will be investigated.

Reference No: 208-14 (P)

361

Morrison, David

Archaeological Survey of Canada

Canadian Museum of Civilization

Box 3100, Station B

Hull, PQ J8X 4H2

Inuvialuit Archaeology at the Old Horton Channel

Subject: AR

Region: IN

Location: Bathurst Peninsula, Old Horton River Channel

Year of Research: 1993

Excavations begun in 1992 will be continued at the Rita-Claire site on the Old Horton River Channel. This site is a traditional Inuvialuit autumn camp, which is closely associated with a nearby caribou kill site, called Bison Skull.

Reference No: 208-14 (P)

362

Morrison, R.I.G.

Canadian Wildlife Service

National Wildlife Research Centre

100 Gamelin Boulevard

Hull, PQ K1A 0H3

Migration, Ecophysiology and Energetics of Shorebirds at Alert, Ellesmere Island

Subject: B

Region: BA

Location: Alert, Ellesmere Island

Year of Research: 1992

Work by Dr. Morrison at Alert in the mid 1970's established that the Knots and Turnstones breeding on northern Ellesmere Island migrate to wintering grounds on the European seaboard. Most migrate via staging areas in Iceland, although some reach Ellesmere via Norway. The internationally coordinated research program carried out over the last six years to study the migration, ecophysiology and energy budgets of Ellesmere migrants will continue this year.

Reference No: 12 402 436 (S) and (R)

363

Moser, Katrina

Department of Geography

McMaster University

Hamilton, ON L8S 4K1

Impact of Fire and Climate Change on a Boreal Lake

Subject: W, CL, MI, G

Region: FS

Location: area between Hay River and Fort Smith

Year of Research: 1993

The researcher will collect samples of sediment and water from small lakes along Highways 5 and 6 between Fort Smith and Hay River. The researcher will identify different species of diatoms (small organisms that live in the water) and will conduct a number of chemical analyses on the water. Additional data will be collected on the timing of the most recent fire, as well as the area's geology and plant communities.

Reference No: 12 402 459 (S)

364

Moss, Siobhan

Box 457

Iqaluit, NT X0A 0H0

Acquisition of English by Inuktitut Speaking Children

Subject: S

Region: BA

Location: Iqaluit

Year of Research: 1992

The researcher will examine the influences of first language characteristics on a second language and see whether the acquisition of English as a second language progresses in the same manner as acquisition of English as a first language.

Reference No: 12 410 373 (S)

365

Muecke, Gunter K.
Department of Earth Sciences
Dalhousie University
Halifax, NS B3H 3J5

Tectonomagmatic Evolution of the Sverdrup Basin, Canadian Arctic Archipelago

Subject: G, MA
Region: BA
Location: Sverdrup Basin, Canadian Arctic Archipelago
Year of Research: 1992

The researcher will define the connection between the opening of the Arctic Ocean during the Cretaceous period, development of a continental margin, major crustal extension and rapid subsidence in the Sverdrup Basin, and voluminous basaltic magmatism. To achieve this, the field relations, petrology, mineralogy, geochemistry and geochronology of magmatic rocks of the northern Canadian Arctic Island will be investigated.

Reference No: 12 404 358 (S)

366

Mulders, Robert
Department of Renewable Resources
Box 120
Arviat, NT X0E 0E0

Keewatin Caribou Study

Subject: ML
Region: KE
Location: the Keewatin region
Year of Research: 1993

The researcher will conduct spring classification counts, provide information on winter survival and recruitment rates, and collect caribou specimens from hunter-kills, or dead or dying caribou.

Reference No: (R)

367

Murphree, J.S.
Department of Physics and Astronomy
University of Calgary
Calgary, AB T2N 1N4

Studies of the Polar Ionosphere with an Imaging Rheometer

Subject: AT
Region: BA
Location: Iqaluit
Year of Research: 1992

The researcher will install an imaging rheometer, and it will operate continuously thereafter for an estimated five year period to collect information on the Polar Ionosphere.

Reference No: 12 404 475 (S)

368

Musarella, Maria A.

Dept of Genetics & Ophthalmology

Hospital for Sick Children

555 University Avenue

Toronto, ON M5G 1X8

Finding a Gene for Bardet-Biedl Syndrome

Subject: H

Region: FS

Location: Rae-Edzo

Year of Research: 1992

We plan to study Bardet-Biedl families (with at least 2 affected children) in order to determine if and how the disease is genetically linked. By following the inheritance of a DNA marker in affected families, it is possible to determine whether the disease is genetically linked to the DNA marker. A systematic screening of DNA markers (that are distributed over the 22 chromosomes) should then identify the markers linked to at least one Bardet-Biedl gene.

Reference No: 12 408 092 (S)

369

Nadji, Kayhan

41 Gold City Court

Yellowknife, NT X1A 3P7

Architecture and Construction Technique in the North

Subject: EC, CL

Region: BA, FS, IN, KE, KI

Location: the Baffin, Fort Smith, Inuvik, Keewatin and Kitikmeot regions

Year of Research: 1992

The researcher will continue to investigate the relationship between the architectural and technical aspects of buildings and the severe northern climate.

Reference No: 12 406 027 (S)

370

Nagy, John

Department of Renewable Resources

Government of the NWT

Bag Service #1

Inuvik, NT X0E 0T0

Population Dynamics of Muskoxen and Caribou on Banks Island

Subject: ML

Region: IN

Location: Banks Island

Year of Research: 1993

The researcher will monitor body condition parameters, pregnancy rates and disease prevalence in muskox at Banks Island.

Reference No: (R)

371

Nakayama, Tsunesuke

Tokyo Sea Life Park

6-2-3, Rinkai-cho

Edogawa-ku

Tokyo 134 Japan

Tokyo Sea Life Park Collection, 1992

Subject: FI, I, MI, ED

Region: BA

Location: Cornwallis Island, Resolute Bay, Cape Martyr, Allen Bay

Year of Research: 1992

Tokyo Sea Life Park has initiated research on breeding behaviour and early life history of Arctic marine animals, as well as exhibits in the Tokyo Sea Life Park of arctic marine animals. The researcher will collect Arctic marine life such as fishes, invertebrates and sea algae in order to contribute to the conservation of marine environments, and increase the understanding of Arctic marine life.

Reference No: 12 402 493 (S)

372

Narbonne, Guy M.

Department of Geological Sciences

Queen's University

Kingston, ON K7L 3N6

Middle Proterozoic Reefs on Northern Baffin Island

Subject: FO, I

Region: BA

Location: Tay Fiord and Strathcona Sound on Baffin Island

Year of Research: 1993

The origins of the fossilized reefs located on northern Baffin Island are unknown; however, these reefs are contained within rock that is dated approximately 1200 million years old. Studies on 'younger' fossilized reefs from other areas in the Canadian Shield suggest that the Baffin Island reefs may contain clues as to what the first types of reefs were like. The researchers will survey the sites and collect samples of the fossils for further analyses.

Reference No: 12 412 040 (S)

373

Nelson, Lisa

Institute of Antarctic & Southern Ocean Studies

University of Tasmania

Box 252C

Hobart, Tasmania Australia

Designing Guidelines for Antarctic Buildings

Subject: EC

Region: BA

Location: Iqaluit

Year of Research: 1993

The researcher will visit Iqaluit to collect information on the technology, materials selection, performance and durability of Arctic buildings. This data will be used as part of a doctoral thesis which compares Arctic to Antarctic building designs and construction. The researcher will be recording information about the external features of buildings located in Iqaluit, as well as interviewing local building designers.

Reference No: 12 410 448 (S)

374

Newton, John
Department of Geography
University of Toronto
100 St. George Street
Toronto, ON M5S 1A1

Community Adjustment to Extreme Geophysical Phenomena in Northern Canada

Subject: S, W
Region: IN, FS
Location: Aklavik, Fort Liard
Year of Research: 1992

The researcher will investigate how communities cope with extreme geophysical phenomena such as flooding. Through interacting with community residents and other officials, the researcher will determine what characteristics influence their ability to respond to events like flooding, and whether community sustainability is affected by the interaction of the community and natural hazards.

Reference No: 12 402 500 (S)

375

Newton, Joy
Fort Smith Society for Disabled Persons
Box 1350
Fort Smith, NT X0P 0P0

Needs and Services Assessment for Disabled Persons in Fort Smith

Subject: S
Region: FS
Location: Fort Smith
Year of Research: 1993

The survey will determine whether many people require the services of a community liaison officer, identify the various disabilities, and document the number of young disabled adults coming into the work force in the next 5 - 10 years. Depending on the outcome of the study, federal funding will be assessed to create a community liaison officer position for the community of Fort Smith.

Reference No: 12 410 419 (S)

376

Nichols, Harvey
Dept. of Environment
University of Colorado
Boulder, CO USA 80309

Stability of the Arctic Treeline: A Test for the Greenhouse Effect

Subject: P, CL
Region: KE, FS
Location: treeline area from Nueltin Lake to Great Bear Lake
Year of Research: 1993

Treeline plant species are sensitive to changes in climate. Most trees growing in the treeline reproduce by 'layering', which means that they do not produce seeds, but instead the tree limbs of individual trees produce roots to generate another 'tree'. Seeds can only be produced when the summer climate is warm enough. By monitoring the reproduction of trees in the treeline, information will be gathered to determine if the climate is gradually warming.

Reference No: 12 402 549 (S)

377

Nicholson, Barbara
10831 - 67 Avenue
Edmonton, AB T6G 2A2

Vegetation Response to Global Warming in the Mackenzie River Basin: Interactions Between Northern Boreal Forests, Wetlands and Regional Hydrology

Subject: P, CL, W, G

Region: IN

Location: Mackenzie River Basin

Year of Research: 1992

The researcher will map the present distribution of boreal and subarctic wetlands in the Mackenzie River Basin. Wetland vegetation and water chemistry will be described for areas immediately surrounding permanent weather stations. The ecological relationships between climate, wetland water chemistry and wetland species distribution will be analyzed. A predictive indicator model will be built to predict species distribution.

Reference No: 12 402 504 (S)

378

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

Active Layer Monitoring Network in the Mackenzie Valley

Subject: G

Region: IN

Location: the Inuvik, Tuktoyaktuk, Fort Simpson and Norman Wells areas

Year of Research: 1992, 1993

In this study, measurements such as maximum depth of thaw and soil surface movements (from last season) will be taken. Equipment will then be reset for the coming year. Field sites in the Mackenzie Delta between Arctic Red River and Tuktoyaktuk will be visited during June. During July, we will travel between Fort Simpson and Sans Sault Rapids.

Reference No: 12 404 398 (S)

379

Nogoita, Teodor Gheorghe
1 Libertatii Avenue, Block A1
5th Entrance, 5th Floor, 112 Apartment
Bucharest, Romania

Geography, Ecology and Polar Medicine

Subject: G, H, W, P

Region: BA

Location: Bylot Island

Year of Research: 1992

The team will study permafrost, ice and crystal formations, moss and lichen chromatography and human adaptation to cold.

Reference No: 12 404 440 (S)

380

Nolin, Luc

Archaeological Survey of Canada
Canadian Museum of Civilization
Box 3100, Station B
Hull, PQ J8X 4H2

Archaeological Survey Along the Mackenzie River

Subject: AR

Region: IN

Location: Arctic Red River (Tsiigehtchic), Fort Good Hope

Year of Research: 1992, 1993

A survey will be conducted along the Mackenzie River and an excavation will be done in Arctic Red River. The objective is to learn about the past human use of the Mackenzie River in six different locations.

Reference No: 208-76 (P)

381

Norwich, Ed

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

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

Subject: H, EC, S

Region: IN

Location: the Inuvik region

Year of Research: 1993

Past oil and gas activities in the Inuvik region increased demands on all facets of community services, particularly health services, due to impacts on the population, economy, social structure and culture. Health service development tended to be reactive. This study will examine the cost(s) and effectiveness of different health care delivery models in order to assess future health care needs.

Reference No: 12 408 098 (S)

382

Notzke, Claudia

410 - 21 Street S
Lethbridge, AB T1J 3K2

Aboriginal Natural Resource Management in Canada

Subject: S, ML, T

Region: FS, IN, BA

Location: Fort Smith, Fort Resolution, Inuvik, Tuktoyaktuk, Pangnirtung, Iqaluit

Year of Research: 1992

The researcher will collect information for a book on Aboriginal natural resource management in Canada. The work will concentrate on wildlife co-management, Aboriginal participation in park design, use and management of new national park reserves and the impact of claims settlement.

Reference No: 12 410 398 (S)

383

Nowak, Elke

Institut für Linguistik

Universität Stuttgart

Keplerstr. 17

Pf 106037 7000 Stuttgart 1 Germany

Syntactic Structures in Inuktitut

Subject: S, T

Region: BA

Location: Iqaluit

Year of Research: 1992

The researcher will conduct grammatical research by gathering information on the social and political situation of Inuktitut. Topics will include the changes and/or developments that have taken place during the last four years; the situation in schools; the kind of teaching material that is available; and the attitude of young people (under 30 years) toward the language.

Reference No: 12 410 262 (S)

384

Oakes, Jill

115 Home Economics Building

University of Alberta

Edmonton, AB T6G 2M8

Factors Influencing Changes in Decisions Made While Producing Inuit Clothing

Subject: S, EC, T

Region: BA

Location: Pond Inlet, Pangnirtung

Year of Research: 1992

The researcher will collect information about choices made by Inuit seamstresses by working with seamstresses to produce clothing. Temporal and individual variations in economic, political, social, cultural and historical factors influencing decisions made during the production procedures will be identified by talking with community members and searching through archival artifacts.

Reference No: 12 410 270 (S)

385

Oakes, Jill

115 Home Economics Building

University of Alberta

Edmonton, AB T6G 2M8

Domestic Economy on Baffin Island

Subject: EC, S, T

Region: BA, FS

Location: Cape Dorset, Arctic Bay, Pond Inlet, Yellowknife

Year of Research: 1993

The researchers will work with the Baffin communities to identify formal and informal economic contributions Inuit women make. It will also help interested women establish sewing centres and develop marketing strategies. Both elders and young women will be interviewed to record the importance of traditional and modern work.

Reference No: 12 410 270 (S)

386

Obst, Joachim
Wildlife Management Division
Department of Renewable Resources
Government of the NWT
Yellowknife, NT X1A 3S8

Raptor and Shorebird Surveys

Subject: B
Region: IN, FS
Location: the Fort Smith and Inuvik regions
Year of Research: 1993

The researcher will monitor reproductive success and conduct a population census of raptors and shorebirds.

Reference No: (R)

387

Olsen, Sue K.
Mile 1054
Alaska Highway
YT V1A 3V4

Fire Severity and Growth of Treeline Tree Species: Climate Change Implications

Subject: P, CL
Region: IN
Location: the Inuvik area
Year of Research: 1992

The experiment will determine the interacting effects of fire severity, soil moisture and air temperature treatments on the emergence, winter survival and initial growth of treeline and near treeline tree species. The availability and viability of tree seed for successful regeneration of the treeline and near-treeline tree species will also be determined.

Reference No: 12 402 505 (S)

388

Olson, John V.
Geophysical Institute
University of Alaska
Fairbanks, AK USA 99775

Norman Wells Auroral Observatory for SPIRIT II

Subject: MA, AT
Region: IN
Location: Norman Wells
Year of Research: 1992

The Norman Wells Observatory is a very good site to place a remote aurora monitoring observatory to support a scientific experiment called SPIRIT II. For this project, the researcher will continue to investigate the aurora's strength and position, magnetic disturbances, etc. The observatory at Norman Wells will fill a gap in the internationally collected and shared auroral data set.

Reference No: 12 404 431 (S)

389

Orozco, Maria Eugenia
Pavillon Parent 4620
Universite Laval
Ste-Foy, PQ G1K 7P4

Conjugal Violence and the Inuit of Baffin Island, NWT

Subject: S, H
Region: BA
Location: Iqaluit
Year of Research: 1992

In liaison with the Baffin Regional Agvvik Society, the researcher will investigate the context of violence and the meanings and interpretations that women and men attach to these events. Additional research as to the historical rate of incidence of this phenomenon will also be examined.
Reference No: 12 410 340 (S)

390

Orr, Jack
Department of Fisheries and Oceans
501 University Crescent
Winnipeg, MB R3T 2N6

Foxe Basin Walrus Hunt Monitoring Program

Subject: ML
Region: BA
Location: Igloolik, Hall Beach
Year of Research: 1992

The research is a cooperative management data collection program organized by the Hunters and Trappers Associations (HTAs) and the Department of Fisheries and Oceans. The HTAs in Igloolik and Hall Beach will organize, distribute and collect sample kits used by local hunters. These sample kits will provide information on the size and age of killed walrus, along with their genetic code and reproductive status.
Reference No: 12 402 490 (S)

391

Osawa, Akira
Forestry & Forest Products Research Institute
Hokkaido Research Center
Hitsujigaoka 1, Toyohir,
Sapporo, Japan 062

Testing the Allometric Theory of the Self-Thinning Rule

Subject: P
Region: FS
Location: Wood Buffalo National Park
Year of Research: 1992

The researcher will estimate the number of trees and monitor individual growth in flagged and tagged stands, as well as estimating foliage weight of individual trees. They will measure light conditions in various jack pine stands, as well as collect stem cores to be analyzed and compared with stem cores from other parts of the northern hemisphere for the possibility of accelerated growth due to global warming.
Reference No: 12 402 412 (S)

392

Overpeck, Jonathan

Institute of Arctic and Alpine Research

1560 30th Street, Campus Box 450

University of Colorado

Boulder, CO USA 80309

Eastern Arctic Climate of the Past 2000 Years: The Varved Lake Sediment Record

Subject: CL, FO, W

Region: BA

Location: Ogac, Soper, Winton Lakes and unnamed lakes (near Cape Dyer)

Year of Research: 1993

The goal of this ongoing project is to collect samples of mud from the bottom of several undisturbed lakes on southern Baffin Island. In the laboratory, the researcher will examine the chemistry, texture and fossils found in this mud to document how the environment (mainly climate) of this region has changed over the past 2000 years. These findings may aid efforts to improve predictions of climate change.

Reference No: 12 412 035 (S)

393

Palacios, Carolina

Territorial Epidemiologist

Medical Directorate

GNWT Department of Health

Yellowknife, NT X1A 2L9

NWT Injury Research and Prevention Project

Subject: H, S

Region: BA, FS, IN, KE, KI

Location: the Baffin, Fort Smith, Inuvik, Keewatin and Kitikmeot regions

Year of Research: 1993

In its final year of research, information will be collected concerning how, where and why injuries happen in the NWT. This research will aid the present health system in targeting specific concerns and improving intervention programs.

Reference No: 12 408 083 (S)

394

Park, Linda K.

Dept. of Anthropology & Sociology

University of British Columbia

Vancouver, BC V6T 1Z1

The Museum Message: Its Construction and Presentation

Subject: S, T

Region: FS

Location: Yellowknife

Year of Research: 1992, 1993

Public museums with anthropological mandates are increasingly being accused of racism, sexism, cultural elitism and failing to represent wider community interests. Groups such as First Nations are expressing their displeasure with the way in which museums are managing their cultural heritage, and they are calling for a new relationship between themselves and museums. This research will try to determine what is required to address these calls for change.

Reference No: 12 410 274 (S)

395

Patenaude, Allan L.

871 Lanky Court

Yellowknife, NT X1A 2G4

The Tutelage of Crime: Dependency and Deviance in Iqaluit, NWT

Subject: S, T

Region: FS, BA

Location: Yellowknife, Iqaluit

Year of Research: 1992, 1993

Ongoing since 1989, this project examines the relationships and results of the imposition of Euro-Canadian social and criminal justice systems upon the Aboriginal peoples of Iqaluit, and how Inuit and others have adapted to those imposed systems over time.

Reference No: 12 410 332 (S)

396

Patenaude, Nathalie

289 Broadway Avenue

Hamilton, ON L8S 2W9

Biopsy Darting of Beluga Whale Carcasses

Subject: MM

Region: IN

Location: Hendrickson Island, Shingle Point

Year of Research: 1992

The researcher will use a crossbow to fire an arrow with a stainless steel biopsy tip into landed beluga whales. Different tip designs will be tested to evaluate biopsy tip length and diameter required for effective sample retrieval, strength of bow string, and effective distance. Tissue surrounding the sample site will also be tested for tissue damage, and wounds will be photographed after each attempt.

Reference No: 12 402 527 (S)

397

Pearce, Cheryl M.

Department of Geography

University of Western Ontario

Social Sciences Centre

London, ON N6A 5C2

Spectral Properties of Tundra Surfaces

Subject: G

Region: IN

Location: Tuktoyaktuk, Inuvik

Year of Research: 1992

The researcher will complete the intensive sampling of the Arctic Coastal Plain west of Shallow Bay on the Mackenzie River Delta to the Alaska border, where tundra surfaces could differ from those east of the Mackenzie Delta, high arctic tundra on northern Cape Bathurst, and additional treeline sites between Inuvik and the Horton River.

Reference No: 12 402 342 (S)

398

Pearce, Cheryl M.

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

Overbank Sediment Patterns on the Mackenzie Delta

Subject: G, CL, EC, P

Region: IN

Location: middle and outer Mackenzie Delta

Year of Research: 1993

The researcher will continue a long-term study on the physical features of the Mackenzie Delta. Hydrocarbon development, water volume and course changes, as well as climate change could have major effects on the water and sedimentation patterns of the Delta. This study will increase knowledge of sedimentation patterns, shoreline erosion and their relationships with vegetation.

Reference No: 12 402 342 (S)

399

Pelinski, Ramon

Faculte de musique
Universite de Montreal
C.P.6128, succursale A
Montreal, PQ H3C 3J7

New Music Styles Among Inuit

Subject: S, T

Region: BA

Location: Iqaluit, Igloolik

Year of Research: 1992

As a consequence of contact between "kabloonait" and "kabloona" music, the younger generation of Inuit have begun inventing new song styles. The researcher will investigate how these songs relate to questions of Inuit identity, the impressions all Inuit have of the songs, the groups that sing the songs (and on what occasions), the lyrics used, and to the extent the songs have been distributed (i.e., forms of distribution and technology used to listen).

Reference No: 12 410 417 (S)

400

Penney, Matthew

EDA Fisheries Facilitator
Dept. of Economic Development and Tourism
GNWT, Rankin Inlet, NT X0C 0G0

Amphipod Testing in Wilson Bay

Subject: I

Region: KE

Location: Wilson Bay west of Whale Cove

Year of Research: 1992

Tests will be conducted using baited traps (five gallon containers with a cone at the top). Sampling will be conducted over a five day period, at a rate of one transect per day. Traps will be an equal distance apart, starting from the shoreline. Depth measurement will be taken and locations of sampling will be noted using a Global Positioning System. Catches will be recorded at each location in kilograms.

Reference No: 12 402 533 (S)

401

Petch, Virginia

Box 193

LaSalle, PQ R0G 1B0

Sayis-Dene: A Continuity of Land Use

Subject: G, S, T

Region: KE

Location: Little Edehon Lake

Year of Research: 1992

The researcher and a Sayis-Dene elder will conduct a brief foot survey of Little Edehon Lake. The aim of the project is to learn whether the locations of prehistoric sites can be predicted and located through the continuity of land use by occupants.

Reference No: 208-77 (P)

402

Peterson, Tony D.

Continental Geoscience Division

Geological Survey of Canada

601 Booth Street

Ottawa, ON K1A 0E8

Early Proterozoic Volcanism of the Baker Lake Group, District of Keewatin

Subject: G, EC

Region: KE

Location: Angikuni Lake

Year of Research: 1992

The research is part of a program focused on understanding the Proterozoic interplate tectonics of the Churchill Province. Petrological studies of the strongly potassic volcanic rocks of the Baker Lake Group are intended to assess their potential as diamond source rocks and to investigate the history of their mantle source regions.

Reference No: 12 404 458 (S)

403

Pilon, Jean-Luc

Archaeological Survey of Canada

Canadian Museum of Civilization

Box 3100, Station B

Hull PQ J8X 4H2

Archaeology in Southwest Anderson Plain

Subject: AR

Region: IN

Location: Inuvik

Year of Research: 1993

Limited excavations will be done at two sites found earlier in the programme at Lure Lake, about 100 km southeast of Inuvik. The excavations at these two sites will provide a better sense of the way that people used the Lure Lake region in the past.

Reference No: 208-24 (P)

404

Pilon, Jean-Luc

Archaeological Survey of Canada

Canadian Museum of Civilization

Box 3100, Station B

Hull, PQ J8X 4H2

Archaeology of Hyndman and Trout Lakes

Subject: AR

Region: IN

Location: Hyndman Lake, Trout Lake

Year of Research: 1992

Excavations will be conducted at two sites on Hyndman Lake and at a third site at Vidiitshuu (Trout Lake). The purpose is to investigate the cultural identity of the people who lived at these locations in prehistoric times. The crew will also build a semi-subterranean house, of the type used by the ancestors of the Gwichya Gwich'in before the arrival of Europeans in the Travaillant Lake region, to gain better insights into the practicality of house construction in prehistoric times.

Reference No: 208-24 (P)

405

Pokotylo, David

UBC, Dept. of Sociology & Anthropology

6303 Marine Drive NW

Vancouver, BC V6T 2B2

Excavations at Thunder River

Subject: AR

Region: IN

Location: Thunder River

Year of Research: 1992

The research team will excavate at Vihtr'iitshik, a stone quarry and workshop located at the mouth of the Thunder River in the lower Mackenzie Valley.

Reference No: 208-18 (P)

406

Pollard, Wayne

Department of Geography

McGill University

805 Sherbrooke Street W

Montreal, PQ H3A 2K6

The Nature and Origin of Ground Ice in the High Arctic and Icing as a Hydrologic Component of Northern Drainage Basins

Subject: W

Region: BA, IN

Location: Ellesmere Island, Axel Heiberg Island, Dempster Highway

Year of Research: 1992

The researchers will gain a better understanding of permafrost conditions of the study area and the environmental conditions under which permafrost formed and evolved. They will also investigate icings and icing processes. Icings are a hydrologic phenomenon and their occurrence has implications for recharge and runoff of drainage systems and water resource management.

Reference No: 12 404 321 (S)

407

Poole, Kim

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Snowshoe Hare Population Monitoring

Subject: ML

Region: IN

Location: Sahtu, Inuvik

Year of Research: 1993

The researcher will examine changes in the fur bearing population by tracking the hare cycle.

Reference No: (R)

408

Poole, Kim

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Wolverine Carcass Assessment

Subject: ML

Region: IN, FS

Location: Inuvik, Sahtu, Fort Smith

Year of Research: 1993

The researcher will determine age, sex, reproduction history and fat condition of the wolverine harvest in the Inuvik District.

Reference No: (R)

409

Poole, Kim

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, Nt X1A 3S8

Lynx and Marten Carcasses Collection

Subject: ML

Region: FS, IN

Location: Fort Smith, Sahtu

Year of Research: 1993

The researcher will collect lynx and marten carcasses to determine age, sex, reproductive condition and pelt measurement criteria to identify number of young in the harvest.

Reference No: (R)

410

Poole, Kim

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, Nt X1A 3S8

Mackenzie Bison Sanctuary Lynx Study

Subject: ML

Region: FS

Location: Fort Smith

Year of Research: 1993

The researcher will determine home range, movement patterns and use of habitat by lynx, and relate the findings to snow hare densities.

Reference No: (R)

411

Popkov, Yuri V.

Institute of Philosophy and Law

Russian Academy of Science

Lavrentyev Prospect 17

Novosibirsk 630090, Russia

The Attitude to Labour and the Problems of the Adaptation of the Indigenous People of the North in the Condition of the Modern Technological Revolution

Subject: T, S, EC

Region: IN

Location: Inuvik

Year of Research: 1992

The researcher will determine the dependence of Aboriginal employment on land and resources, growth and decline of oil company activity; price cuts on products of the traditional economy; the current system of social assistance, government economic policy; and the readiness of native people to enter the labour market now and in the future, within the region.

Reference No: 12 410 334 (S)

412

Poulin, Claude

#3 - 2770 St. Narcisse Avenue

Beauport, PQ G1E 6V8

Local Political Power in Igloolik After the Nunavut Agreement

Subject: S, T

Region: BA

Location: Igloolik

Year of Research: 1993

The researcher will collect information on the different forms of Inuit political power, including municipal, religious and economic power, that are present in the community of Igloolik. The researcher will also interview residents for their views on the origins of Inuit governance, as well as their expectations of the Nunavut Agreement.

Reference No: 12 410 445 (S)

413

Pratt, Brian R.

Department of Geological Sciences

University of Saskatchewan

Saskatoon, SK S7N 0W0

Cambrian Sedimentology and Paleontology

Subject: G, FO

Region: BA

Location: northeast Ellesmere Island (including Judge Daly Peninsula)

Year of Research: 1993

The Cambrian period is an interval of geologic time that is poorly known in Arctic Canada. Previous studies have been very basic and almost no fossils have been recovered. Sections of sedimentary rock will be measured in detail, with attention focused on the structure of the sediments, as well as the presence of fossils. A map will then be constructed showing the layers in which fossils occur. This map will represent the first of its kind for the Canadian Arctic.

Reference No: 12 412 038 (S)

414

Rainbird, Robert H.

Continental Geoscience Division

Geological Survey of Canada

601 Booth Street

Ottawa, ON K1A 0E8

Geological Mapping and Mineral Resource Assessment, Minto Inlet

Subject: EC, G

Region: KI

Location: Wynniatt Bay and Hadley Bay on Victoria Island

Year of Research: 1992

This is the first year of a 3 - 4 year program designed to update the present geological database for the Precambrian geology of northwestern Victoria Island. The study will involve 6 - 8 weeks of fieldwork. Researchers will collaborate, both logistically and scientifically, with Noranda Exploration Inc. who plan to be working in the same area.

Reference No: 12 404 139 (S)

415

Rajan, S.D.

Woods Hole Oceanographic Institution

Bigelow 302

Woods Hole, MA USA 02543

Determination of the Spatial and Temporal Structure of the Compression of Wave Speed and Attenuation in Sea Ice

Subject: W, MA

Region: BA

Location: the Griper Bay area

Year of Research: 1992

This study will assist in understanding the changes that take place in the structure of sea ice during different seasons. These data will help in determining the strength characteristics of sea ice.

Reference No: 12 404 352 (S)

416

Ramsay, Malcolm
Department of Biology
University of Saskatchewan
Saskatoon, SK S7N 0W0

Telazol and Contaminant Research Project on Polar Bears

Subject: ML, CO, H
Region: BA
Location: the Baffin region
Year of Research: 1993

The researcher will determine the biological turnover rate of Telazol in polar bear tissue and assess the potential health risk from eating the meat of previously handled animals.

Reference No: (R)

417

Randa, Vladimir
Laboratoire de Langues et Civilisations
Lacito (LP 3121)
44 Rue de l'Amiral Mouchez
Paris, France 75014

Ethnozoology of the Iglulingmiut

Subject: T, ML, MM, I, S
Region: BA
Location: Igloolik
Year of Research: 1992

The researcher will collect data about the small land and water vertebrates and invertebrates, and collect more information in regards to the relationship between oral tradition and zoological terminology. The researcher will also study the use of firearms in hunting (e.g. strategies of acquisition and use of different types of hunting weapons in relation to different kinds of game).

Reference No: 12 410 177 (S)

418

Read, Carol
Fisheries and Oceans
501 University Crescent
Winnipeg, MB R3T 2N6

Assessment of the Tugaat River Char Run

Subject: FI
Region: BA
Location: Tugaat River (Milne Inlet)
Year of Research: 1992

The researcher will build a conduct fish weir and trap across the Tugaat River in order to enumerate and sample the upstream run of Arctic char into the Tugaat River. They will enumerate all fish passing upstream, tag 3000 to 5000 fish with anchor tags, dead sample a size range of 100 to 200 fish, and live sample 2000 to 3000 fish.

Reference No: 12 402 518 (S)

419

Reed, Austin

Canadian Wildlife Service

1141, route de l'Eglise

Sainte-Foy, PQ G1V 4H5

Breeding Ecology of Greater Snow Geese on Bylot Island

Subject: B, P

Region: BA

Location: Bylot Island

Year of Research: 1993

The researcher will examine how greater snow geese exploit their Arctic breeding habitat and what impact that has on the tundra vegetation.

Reference No: (R)

420

Reid, Donald G.

Department of Zoology

University of British Columbia

Vancouver, BC V6T 2A9

Population Dynamics of the Collared Lemming

Subject: ML

Region: IN

Location: Pearce Point

Year of Research: 1992

The researchers will continue to investigate the hypothesis that collared lemmings are regulated at low densities by predation, and that the irruptive high densities found in some Canadian tundra regions, in some years, are local escapes from predator regulation.

Reference No: 12 402 501 (S)

421

Reid, John

Arctic Ecoteam Coordinator

State of the Environment Reporting

1547 Merivale Road, 4th Floor

Ottawa, ON K1A 0H3

State of the Environment Reporting for Northern Canada

Subject: G, S

Region: BA, FS, IN, KE, KI

Location: the Baffin, Fort Smith, Inuvik, Keewatin and Kitikmeot regions

Year of Research: 1993

Under the Canadian Environmental Protection Act and Green Plan, this ongoing study is required to: (1) publish a national report on the state of the environment at regular intervals; (2) develop a set of indicators that measure Canada's progress in achieving environmental goals, and (3) establish an ongoing capability to study resources at risk, ecosystem response and the impact of major disruptions to ecosystems.

Reference No: 12 402 544 (S)

422

Reimer, Gwen
Department of Anthropology
McMaster University
1280 Main Street West
Hamilton, ON L8S 4L9

Evaluation of Community-Based Tourism Development in Pangnirtung, NWT

Subject: EC, S
Region: BA, KI
Location: Pangnirtung
Year of Research: 1992

The researcher will continue to evaluate community-based tourism development in Pangnirtung.
Reference No: 12 410 273 (S)

423

Reimer, K.J.
Environmental Sciences Group
Royal Roads Military College
FMO Victoria, BC V0S 1B0

Spatial Variation and Scale in Terrestrial and Marine Inorganic and Organic Substance Distributions

Subject: CO, W, P
Region: BA
Location: Foxe Basin, Cambridge Bay, Queen Maud Gulf
Year of Research: 1992

The researcher will collect bottom-dwelling marine organisms and sediment to examine how materials introduced locally, and from distant sources, distribute themselves in the marine environment. This information may assist in understanding the potential for adverse effects and the likely persistence of such materials in the future. As well, the researcher will collect soil and plant samples to understand the potential for impact and persistence in a typical tundra environment.
Reference No: 12 402 494 (S)

424

Reimer, K.J.
Environmental Sciences Group
Royal Roads Military College
FMO Victoria, BC V0S 1B0

Environmental Study of Abandoned DEW Line Sites in the NWT

Subject: CO, W, P, ML
Region: BA, FS, IN, KE, KI
Location: abandoned DEW Line Sites across the NWT
Year of Research: 1993

The Environmental Sciences Group has been requested by Indian and Northern Affairs to conduct environmental investigations of abandoned DEW Line sites (Intermediate sites) on or near Baffin Island. A major focus of this study is an evaluation of contaminants at the sites, and their presence in the water, soils, vegetation and wildlife. The research will also identify when and where remedial measures can be most effectively applied.
Reference No: 12 402 494 (S) and (R)

425

Reimer, K.J.

Environmental Sciences Group

Royal Roads Military College

FMO Victoria, BC V0S 1B0

Canol Pipeline Environmental Study

Subject: CO, W, P, I

Region: IN

Location: Canol Trail from Norman Wells to the Yukon/NWT border

Year of Research: 1993

The Environmental Sciences Group has been requested by Indian and Northern Affairs to conduct an environmental study of the Canol Pipeline. The study will identify contaminants (especially hydrocarbons) along the Canol Trail associated with the construction and start up of the pipeline. Where spills are evident, data will be collected on soils, water, vegetation and stream invertebrates to determine the extent of contamination uptake by the environment.

Reference No: 12 402 494 (S)

426

Relf, Carolyn

Mineral Initiatives Office

Energy, Mines and Petroleum Resources

GNWT, Box 1320

Yellowknife, NT X1A 2L9

Geological Mapping of the Avialik River Volcanic Belt

Subject: G, EC

Region: KI

Location: Avialik River, Tree River, Hepburn Island

Year of Research: 1992, 1993

In this ongoing study, the researcher will examine the nature of rocks found in the volcanic belt of the Avialik River area. This work will help 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 line will be examined. Geological mapping (field work) will be done in the summer, while analyses of the rocks will be done in the following fall and winter.

Reference No: 12 404 450 (S)

427

Retelle, Michael J.

Department of Geology

Bates College

Lewiston, ME USA 04240

Processes and Sediments in Retreating Tidewater Glaciers, Southern Baffin Island

Subject: W, G, CL

Region: BA

Location: southern Meta Incognita Peninsula

Year of Research: 1992

This study will investigate how glaciers retreat in marine waters through the analysis of the sedimentary record in front of modern tidewater glaciers. The research will determine the critical factors such as valley morphology, water depth, climatic and glaciological conditions that have influenced the retreat of the marine margin of the Grinnell Glacier since its last advance during the Little Ice Age.

428

Retelle, Michael J.
Department of Geology
Bates College
Lewiston, ME USA 04240

Paleoclimatic Significance of Laminated Lake Sediments from the Canadian High Arctic

Subject: CL, FO, W
Region: BA
Location: Taconite Inlet, northwestern Ellesmere Island
Year of Research: 1992

The researchers will attempt to reconstruct climate and past environmental conditions through recovery and study of sediment cores from lakes at Taconite Inlet, northern Ellesmere Island. They will also monitor conditions under which the lake sediments are presently accumulating.

Reference No: 12 404 264 (S)

429

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

North Water Beluga Survey

Subject: MM
Region: BA
Location: Baffin Bay, Smith Sound, Kane Basin
Year of Research: 1993

The North Water Survey for beluga will involve the use of satellite images to locate open water, and the use of photography to instantly record large numbers of beluga and other marine mammals sighted. Work will be conducted out of Resolute and Pond Inlet, and the survey will take in all areas of open water north of 73°00 latitude. The survey is a result of a recommendation by the 1992 Canada/Greenland Commission on the Conservation and Management of Narwhal and Beluga.

Reference No: 12 402 433 (S)

430

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

Beaufort Sea Beluga Satellite Tagging Program

Subject: MM
Region: IN
Location: Mackenzie River estuary
Year of Research: 1993

Beluga whales will be herded into shallow waters with boats and kept there for a short period of time. Whale size and sex will be determined, and a small sample of skin will be taken for DNA analysis. Satellite tags will be attached to the dorsal ridge area of ten whales. These tags will allow the researchers to locate the whales' movements and diving patterns over the next several months.

Reference No: 12 402 433 (S)

431

Richardson, Mary
Humanities Division
Athabasca University
Box 10000
Athabasca, AB T0G 2R0

The Public Expression of Environmental Values: A Case Study of the Alberta Pacific Review Board Hearings, November 1989 to March 1990

Subject: S
Region: FS
Location: Fort Smith
Year of Research: 1992

The purpose of this study is to examine the efficacy of the public hearing process for facilitating the expression of environmental values by members of the general public, local government officials, and communities and organizations. The Alberta-Pacific Environmental Assessment Review Board public hearings will be examined in order to determine how environmental values of public participants were acknowledged in the process.

Reference No: 12 402 475 (S)

432

Riley, Toni
Prince of Wales Northern Heritage Centre
Department of Culture & Communication
GNWT, Box 1320
Yellowknife, NT X1A 2L9

Heritage Training Needs Analysis

Subject: ED, T, S
Region: BA, FS, IN, KE, KI
Location: the Baffin, Fort Smith, Inuvik, Keewatin and Kitikmeot regions
Year of Research: 1992

The researchers will assess the needs of heritage staff and volunteers throughout the NWT. Target groups include participants who have attended Northern Heritage Centre workshops and those actively working in the heritage field, such as community historical societies, libraries, cultural centres and local museum projects.

Reference No: 12 410 388 (S)

433

Ring, Richard A.

Department of Biology

University of Victoria

Box 1700

Victoria, BC V8W 2Y2

Biology, Ecology and Cold Tolerance of Arctic Insects

Subject: I, CL

Region: BA, IN

Location: Inuvik, Tuktoyaktuk, Alexandra Fiord (Ellesmere Island)

Year of Research: 1992, 1993

As part of a long-term study, the researcher will examine the biology of Arctic and Subarctic insects. Information will be collected on insect distributions, as well as insect adaptations to living in environments with extremely cold winters and short summers. Studies on insect communities in the North may be good indicators of global climate change, since they are short-lived species with limited abilities to move to more suitable environments.

Reference No: 12 402 210 (S)

434

Ristau, Carolyn A.

251 - 25 Gaskell Road

Little Neck

Queens, NY USA 11362

A Comparative Study of Parental and Anti-Predator Behaviour of Plovers

Subject: B, S

Region: BA

Location: the Baffin region

Year of Research: 1993

The researcher will study the black-bellied and lesser golden plovers' parental and communicative behaviours, and compare their response to those demonstrated in areas where humans take the eggs for food.

Reference No: (R)

435

Rivkin, Richard

Ocean Sciences Centre

Memorial University of Newfoundland

St. John's, NF A1C 5S7

Trophic Dynamics of the Microbial Community in Cold Ocean Environments

Subject: MI, W

Region: BA

Location: Resolute

Year of Research: 1993

The researcher will examine the importance of marine algae and bacteria in the polar food web. This research is similar to previous studies which examined food webs in the Atlantic Ocean (off the coast of Newfoundland) and Antarctica. In Resolute, the researcher will measure the production and growth of natural populations of algae and bacteria under different light, temperature and nutrient conditions.

Reference No: 12 402 536 (S)

436

Roberts, Karen

114 - 1616 8th Avenue NW

Calgary, AB T2N 1C3

Co-Management: Northern Experience with Implications for Future Directions in Resource Planning and Management

Subject: S, ML

Region: IN, FS

Location: Inuvik, Yellowknife

Year of Research: 1992

The research is an evaluation of co-management practice in the western Arctic as it is established under the Inuvialuit Final Agreement. The study will use the Inuvialuit Wildlife Management Advisory Council for the NWT as the case study, and will involve attending meetings and conducting key informant interviews.

Reference No: 12 410 396 (S)

437

Robilliard, L.J.

Department of Geography

University of Western Ontario

London, ON N6A 5C2

The Chemical and Physical Limnology of Truelove Lowland, Devon Island

Subject: W

Region: BA

Location: Truelove Lowland, Devon Island

Year of Research: 1992

In 1991, lake, pond and inlet water at Truelove Lowland, Devon Island were sampled to provide a limnologic description of this particular high Arctic setting. The objective of the is to group the lakes on the basis of various chemical and physical properties. The project will continue in 1992.

Reference No: 12 404 443 (S)

438

Robinson, Stephen

Department of Geography

Queen's University

Kingston, ON K7L 3N6

Geophysical Mapping of Buried Massive Ground Ice, Fosheim Peninsula, Ellesmere Island

Subject: W, G

Region: BA

Location: Hot Weather Creek, Fosheim Peninsula, Ellesmere Island

Year of Research: 1992

Massive ice is found in exposure in some sections of the Fosheim Peninsula. The exact origin, distribution and characteristics of these ice bodies are largely unknown. Geophysical surveys will be conducted and ice and sediment samples will be taken and analyzed.

Reference No: 12 404 240 (S)

439

Rode, Andris

50 Belmont Avenue

Ottawa, ON K1S 0V1

Health and Fitness: A Comparative Study of Canadian Inuit and Siberian Avenki

Subject: H, S

Region: BA

Location: Igloolik

Year of Research: 1993

The 1993 research activities in Igloolik will be to establish a cardiovascular risk profile for local Inuit by taking blood samples and constructing the blood-lipid profiles. These activities are part of an ongoing investigation of health and fitness levels in northern indigenous peoples. Dr. Rode is working with Dr. Pavel Vloshinsky of the Institute of Biochemistry in Novosibirsk: Dr. Vloshinsky is conducting a similar study in the Soviet Arctic.

Reference No: 12 408 095 (S)

440

Rodon, Thierry

1987 route Jacques Cartier Sud

Tewkesbury, PQ G0A 4P0

The Joint Management of National Parks: A Means of Settling Native Land Claims in Canada?

Subject: S, EC

Region: BA

Location: Pangnirtung

Year of Research: 1992

The aim of this research project is to study the policy developed by the Canadian Parks Service to facilitate the creation of national parks in northern Canada. The policy proposes to negotiate the extent and the nature of native participation in the planning and management of national parks.

Reference No: 12 410 394 (S)

441

Rodon, Thierry

1987 route Jacques Cartier Sud

Tewkesbury, PQ G0A 4P0

Co-Management: A Means in the Process of Political Autonomy for Aboriginal People of Canada

Subject: S

Region: IN

Location: Inuvik

Year of Research: 1993

The researcher will examine co-management organizations, consisting of government bodies and Aboriginal groups, and evaluate their influence on the actual decision making process, and their role in the maintenance of political autonomy for Aboriginal people of Canada. Specifically, the researcher will examine the co-management structures established under the Inuvialuit Final Agreement and conduct interviews with IRC representatives.

Reference No: 12 410 394 (S)

442

Rodriguez, Marisol

1038 Pratt

Outremont, PQ H2V 2V2

Process of Musical Transculturation Among Inuvialuit of the Mackenzie Delta

Subject: S, T

Region: IN

Location: Inuvik

Year of Research: 1993

The researcher will be interviewing Inuvialuit participants in the Inuvik music festival in order to examine how music reflects changes in culture. This research is part of a larger effort which examines musical culture of Inuit in Canada.

Reference No: 12 410 440 (S)

443

Romano, Tracy

University of Rochester

School of Medicine

Department of Neurobiology and Anatomy

Rochester, NY USA 14642

Investigation of the Nervous and Immune Systems in the Beluga

Subject: MM, CO

Region: IN

Location: Tuktoyaktuk

Year of Research: 1993

This research will examine the nervous (i.e., brain) and immune systems of beluga by collecting these tissues from harvested animals for laboratory analyses. This study will help to determine how contaminants affect the health of belugas. In addition, the data collected may lead to a better understanding of why whales strand themselves on the shoreline, as it has been suggested that beached whales may have damaged nervous systems.

Reference No: 12 402 465 (S)

444

Romo, J.T.

Department of Crop Science & Plant Ecology

University of Saskatchewan

Saskatoon, SK S7N 0W0

The Impacts of Muskox on a Hygric Sedge Meadow Plant Community, Northern Banks Island

Subject: P, ML

Region: IN

Location: the confluence of Muxkox and Thomsen Rivers, north central Banks Island

Year of Research: 1992

The project examines the effects of a high density muskoxen population on a sedge meadow plant community. Two fences exist at the study site to exclude muskoxen and thus provide an ungrazed area used for comparison with the grazed area. Plant species abundance, plant height, grazing use of plant species and weight of plants are some of the data that will be compared among grazed and ungrazed areas.

Reference No: 12 402 502 (S)

445

Rouse, William

Box 726

Fort Smith, NT X0E 0P0

Data Base: Environmental Organizations of the NWT

Subject: S

Region: FS

Location: Fort Smith

Year of Research: 1992

The researcher will begin work in Fort Smith, but will mailout a questionnaire to communities in the North (if necessary), and will be contacting some of the more "established" environmental organizations in the North for information.

Reference No: 12 410 375 (S)

446

Rowley, Susan

6660 Forest Glen Road

Pittsburg, PA USA 15217

Igloodik Archaeology Field School

Subject: AR, ED

Region: BA

Location: Igloodik

Year of Research: 1993

The Igloodik Archaeology Field School will be held during the month of July at Arnaqqaaksaat (NiHf-4) on Igloodik Island. This will be the second season at this complex, multi-component site. A trench measuring 1 meter by 14 meters will be excavated to investigate the stratigraphy of the site. The researchers wish to see if there was a sterile layer between the Palaeo- and Neo-Inuit occupations. Another objective of the work is to determine when the site was occupied by Palaeo-Inuit.

Reference No: 208-45 (P)

447

Rowley, Susan

6660 Forest Glen Road

Pittsburg, PA USA 15217

Igloodik Archaeology Field School

Subject: AR, ED

Region: BA

Location: Igloodik

Year of Research: 1992

The third season of the Igloodik Archaeology Field School and the first at the site of Arnaquatsiak will be conducted by Susan Rowley (R & D Corporation). Arnaquatsiak is a multi-component site containing evidence of Dorset, Thule and historic Inuit people. Work this summer will concentrate on determining the extent of the Thule occupation, mapping the Thule component, excavating part of the midden, and preparing a badly disturbed Thule house ruin for excavation and reconstruction over the next two years.

Reference No: 208-45 (P)

448

Rowley, Susan
6660 Forest Glen Road
Pittsburg, PA USA 15217

Archaeological Survey of Cape McLoughlin

Subject: AR, G
Region: BA
Location: Cape McLoughlin
Year of Research: 1992

The researcher will conduct a survey of the short range radar station at Cape McLoughlin. The 1992 project will involve photographing, mapping and testing sites that are identified.

Reference No: 208-45 (P)

449

Royal Commission on Aboriginal Peoples
Dr. Frances Abele (contact)
Deputy Directory, The North
Box 1993, Station B
Ottawa, ON K1P 1B2

Nation-Wide Investigation of Aboriginal Peoples' Issues

Subject: S, H, T, EC
Region: BA, FS, IN, KE, KI
Location: throughout Canada
Year of Research: 1993

The Royal Commission has a sixteen-part mandate and a detailed research plan. Research will be conducted both inhouse and by researchers who are contracted to examine specific research topics. One licence has been issued to the Deputy Director on behalf of the Royal Commission for the northern component of this comprehensive study. Both the mandate and the research plan are available from the Royal Commission and the Science Institute.

Reference No: 12 410 418 (S)

450

Ryan, Joan
Dene Cultural Institute
Box 570
Hay River, NT X0E 0R0

Traditional Dene Medicine in Use in the Dogrib Area

Subject: H, T, S, P
Region: FS
Location: Lac La Martre
Year of Research: 1992, 1993

No baseline information has been systematically collected for the Dene about traditional use of plants and animal parts used for healing. There are still Dogrib elders who hold and use this information, and the Dene are eager to have this knowledge documented so that they can continue to teach it to young people.

Reference No: 12 410 345 (S)

451

Sadock, Jerrold M.

Department of Linguistics

University of Chicago

Chicago, IL USA 60637

Grammar of West Greenlandic

Subject: ED, S, T

Region: BA

Location: Iqaluit

Year of Research: 1992

The researcher has been working on a scientific grammar of the language of West Greenland, which is closely related to the Inuit dialects of the NWT, and in particular, those of Baffin Island. The aim of the grammar is to avoid the bias of European languages and be truer to the form of the language itself. The researcher will discuss the grammar with educators and other specialists in Iqaluit to see how it might be adapted for classroom use.

Reference No: 12 410 199 (S)

452

Sampson, Patrick

451 Stewart Street

Peterborough, ON K9H 4B9

Park-Aboriginal Relations in Canada's North

Subject: EC, S

Region: BA

Location: Pangnirtung

Year of Research: 1993

In this study, Aboriginal concerns will be documented by collecting available literature and interviewing Auyuitiq National Park staff and residents of Pangnirtung. Questions to be asked will focus on the residents' feelings towards the Park relating to economic benefits, tourism, protection of local park resources and resident involvement in joint management.

Reference No: 12 410 424 (S)

453

Sandstrom, Stephen J.

Freshwater Institute

501 University Crescent

Winnipeg, MB R3N 2T6

Reproductive Potential and Energetic Composition of Babbage and Big Fish River Female Dolly Varden Char, Yukon North Slope

Subject: FI

Region: IN

Location: Babbage River, Big Fish River

Year of Research: 1992

This project addresses questions pertaining to the energy composition and habitat utilization of female sea-run Dolly Varden char (*Salvelinus malma*) of the Yukon Slope. The direct consequences of energy partitioning to fecundity (spawning success) and store energy reserves (overwintering success) have significant effects on population abundance.

Reference No: 12 402 452 (S)

454

Satterthwaite, Andrew
c/o Faculty of Environmental Studies
York University
355 Lumbers Building, 4700 Keele Street
North York, ON M3J 1P3

The Role of Scientific Information in the Environmental Assessment Process

Subject: S, T
Region: FS
Location: Fort Smith, Hay River, Fort Resolution
Year of Research: 1992

The researcher will investigate perceptions of northern residents concerning their participation in environmental assessment hearings. This information will be used in a larger project looking at the role of scientific and traditional knowledge in the environmental assessment process.

Reference No: 12 410 406 (S)

455

Savelle, James M.
Department of Anthropology
McGill University
855 Sherbrooke Street W
Montreal, PQ H3A 2T7

Holocene Bowhead Whale (*Balaena mysticetus*) Skeletal Morphometrics and Taphonomy in the Eastern Canadian Arctic

Subject: MM, AR
Region: BA
Location: Somerset Island, Elwin Bay, Jungersen Bay, Admiralty Inlet
Year of Research: 1992

The researcher and his team will take a series of measurements on crania and mandibles of naturally stranded early Holocene bowhead whales. This will enable the original length of individual bowheads at death to be determined. These data will have immediate applications in the fields of environmental change and Thule archaeology.

Reference No: 12 404 385 (S)

456

Savelle, James M.
Department of Anthropology
McGill University
855 Sherbrooke Street West
Montreal, PQ H3A 2T7

Archaeology of King William Island

Subject: AR, MM
Region: KI, BA
Location: Cape Felix, King William Island, Somerset, Devon and Baffin Islands
Year of Research: 1993

Savelle's investigations will concentrate on two projects: (1) the investigation of two large mounds near Cape Felix, King William Island, which several Franklin enthusiasts from England have suggested might contain bodies or other remains from the 1845-48 Franklin Expedition, and (2) the measurement of whale bones at several localities on Somerset, Devon and Baffin Islands.

Reference No: 208-11 (P)

457

Savelle, James M.
Department of Anthropology
McGill University
855 Sherbrooke Street W
Montreal, PQ H3A 2T7

Morphometric Measurements of Beluga and Bowhead Whale Skulls

Subject: AR, S
Region: BA
Location: Elwin Bay on northeast Somerset Island
Year of Research: 1992

Archaeological investigations will concentrate on mapping of bones of several hundred beluga whales that drifted ashore after a mass kill by European whalers about 100 years ago at Elwin Bay, on northeast Somerset Island. In addition, measurements will be made on over 400 whale skulls in order to determine the ages of the whales when killed. The crew will also conduct palaeontological investigations involving measuring and recording of bones from bowhead whales that drifted ashore.
Reference No: 208-11 (P)

458

Schunke, Ekkehard
Geographisches Institut
der Universitat Gottingen
3400 Gottingen, den
Goldschmidtstrabe 5 West Germany

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

Subject: G, W
Region: IN
Location: Richardson Mountains
Year of Research: 1992

The researchers will continue work begun in 1990. They will make observations and measurements of surface forms and surface processes during snowmelt.
Reference No: 12 404 189 (S)

459

Schwert, Donald P.
Department of Geosciences
North Dakota State University
Fargo, ND USA 58105-5517

Population Genetics Study of Northern Insect Populations

Subject: I
Region: IN
Location: areas near the Dempster Highway
Year of Research: 1992

The scientists will collect insects, mostly Coleoptera (beetles). The specimens will be utilized for population genetics analyses of northern insect populations.
Reference No: 12 402 508 (S)

460

Scott, David J.

GEOTOP

Universite du Quebec a Montreal

C.P. 8888, succursale A

Montreal, PQ H3C 3P8

Reconnaissance Geochronology of Southern Baffin Island

Subject: G

Region: BA

Location: the areas of Lake Harbour and Cape Dorset

Year of Research: 1993

The geology of the bedrock located in southern Baffin Island holds a record of the geological activities that took place over two billion years ago. The researchers will investigate an ancient collision between two groups of rocks that resulted in the formation of an ancient mountain range. The study is part of a larger project that includes field work in the Torngat Mountains and the Ungava region.

Reference No: 12 404 487 (S)

461

Segalou, Patrice

College

Montaigan de Bretagne

France 35360

Body Language: Non-Verbal Communication Among the Inuit of Northern Canada

Subject: S, T

Region: BA

Location: Iqaluit

Year of Research: 1992

The researcher will conduct an anthropological study and will observe Inuit behaviour, specifically, non-verbal communication. Observation and analysis will be conducted during traditional and cultural events, as well as other community events during a six month residence in Iqaluit.

Reference No: 12 410 385 (S)

462

Sergy, Gary A.

Manager, Western Regional Office

Technol. Dev. Branch, Environment Canada

Twin Atria #2, 4999-98 Avenue

Edmonton, AB T6B 2X3

Long Term Fate of Oil on an Arctic Beach

Subject: CO, P

Region: BA

Location: the Cape Hatt area

Year of Research: 1993

During the period of 1980 - 83, scientific investigations were conducted at Cape Hatt in order to assess the fate of spilled oil and its effects on the environment. In addition, data was collected to determine how effective the cleanup activities were in removing the oil from the environment. A visit in 1993 to the oil spill site is part of a long-term monitoring project that will continue to assess the fate of the oil, as well as its impact on the local environment.

Reference No: 12 402 293 (S)

463

Shank, Christopher

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Monitoring Nesting Success of Coppermine Gyrfalcons

Subject: B

Region: KI

Location: Coppermine

Year of Research: 1993

The researcher will determine what proportion of gyrfalcon nests found in the spring are occupied, as well as the number of nesting pairs of gyrfalcons, peregrine falcons, rough-legged hawks, and golden eagles found near Coppermine.

Reference No: (R)

464

Shank, Christopher

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Monitoring Abundance of Small Mammals

Subject: ML

Region: KI, IN, BA, KE

Location: the Baffin, Inuvik, Keewatin and Kitikmeot regions

Year of Research: 1993

The researcher will monitor regional trends in small mammal abundance at minimal cost and effort.

Reference No: (R)

465

Shank, Christopher

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Monitoring Nesting Success of Mackenzie Valley Peregrine Falcons

Subject: B

Region: IN

Location: the Inuvik region

Year of Research: 1993

The researcher will monitor nest success on Mackenzie Valley peregrine falcons and determine whether known peregrine falcon nest sites are occupied and productive.

Reference No: (R)

466

Shank, Christopher

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Monitoring Nesting Success of Hope Bay Gyrfalcons

Subject: B

Region: KI

Location: Hope Bay

Year of Research: 1993

The researcher will determine number of gyrfalcon pairs occupying territories during egg-laying, number of pairs of raptors successful in raising their young, and monitor population trends in major raptor prey species.

Reference: (R)

467

Shearwood, Perry

P.O. Box 321

Sutton, PQ J0E 2K0

Literacy in Igloodik

Subject: S, ED

Region: BA

Location: Igloodik

Year of Research: 1992

The researcher will conduct interviews in the community to solicit resident views with respect to the need for reading and writing skills.

Reference No: 12 410 312 (S)

468

Sheath, Robert G.

Department of Biology

Memorial University of Newfoundland

St. John's, NF A1B 3X9

Geographic Distribution, Physiological Adaptations, Systematics and Ecology of Stream Macroalgae in North America

Subject: P, W

Region: BA

Location: Iqaluit, Igloodik

Year of Research: 1992

The researcher will survey streams for macroscopic algae, and relate their distribution to various physical and chemical characteristics, biomes and drainage basins. The researcher will also set up a seasonal study of the physiological adaptations of macroalgae to the harsh conditions of tundra streams. As well, a widespread species of seaweed will be collected for comparison with other populations to determine evolutionary patterns.

Reference No: 12 402 (S)

469

Sherstone, David A.
Science Institute of the NWT
Box 1617
Yellowknife, NT X1A 2P2

Northern River Ice Regimes

Subject: W
Region: IN, FS
Location: Hay River, Mackenzie Delta
Year of Research: 1992, 1993

Ice gauges will be installed on river ice once the ice is strong enough to support researchers (20 gauges for the Mackenzie Delta and 15 gauges for Hay River). These gauges will be read every 10 days to obtain total ice thickness, white ice thickness and snow depth. From these data, the rates of ice growth and decay will be calculated, and the approximate date of maximum ice thickness can be determined.

Reference No: 12 404 046 (S)

470

Shilts, William W.
Environmental Geochemistry Section
Geological Survey of Canada
601 Booth Street
Ottawa, ON K1A 0E8

Geoscientific Research on Bylot Island and Adjacent Baffin Island

Subject: P, G, W
Region: BA
Location: Bylot Island and Baffin Island (in area of Pond Inlet)
Year of Research: 1992, 1993

The focus of this project is the examination of the glacial and periglacial features of southern Bylot Island and the area near Pond Inlet. Researchers and graduate students will collect data on lichens, ice, land features and organisms in order to gain a better understanding of why glaciers of the area are retreating (melting).

Reference No: 12 404 437 (S)

471

Simpson, Larry
Economic Development and Tourism
GNWT, Box 1000
Iqaluit, NT X0A 0H0

Exploratory Fishing in Inshore and Midshore Waters in the Vicinity of Broughton Island

Subject: FI, I, EC
Region: BA
Location: area between Cape Mercy and Cape Hooper
Year of Research: 1993

The Baffin Regional Sub-Committee for Fisheries is examining the economic potential for the harvest of groundfish, scallops, crabs and shrimp in the Broughton Island area (from Cape Mercy to Cape Hooper). As part of a larger multi-year project directed by the Sub-Committee, this research will provide estimates of the types and numbers of fish and shellfish that may be available for harvest. From this information, a fisheries plan may be developed.

Reference No: 12 402 467 (S)

472

Slocombe, D. Scott
Department of Geography
Wilfrid Laurier University
Waterloo, ON N2L 3C5

Planning for Conservation and Development: Park, Regional and Ecosystem Approaches

Subject: EC, S
Region: FS, IN
Location: Yellowknife, Inuvik, Tuktoyaktuk
Year of Research: 1992

The researcher will compare conservation and development planning methods and processes in several resource-based regions of the world to assess to what extent such processes take into account environmental and ecosystem problems and needs.

Reference No: 12 410 364 (S)

473

Smith, David L.
Crop Science and Plant Ecology
University of Saskatchewan
Saskatoon, SK S7N 0W0

Muskoxen-Sedge Meadow Interactions

Subject: ML, P
Region: IN
Location: confluence of the Muskox and Thomsen Rivers, Banks Island
Year of Research: 1993

This study will address the impact that muskoxen have on sedge meadows (the habitat that is important for their survival in the Thomsen River valley). This study will examine the response of sedge meadow plants to the effects of grazing by muskoxen. The researcher will be monitoring the growth and chemical makeup of plants in three situations: (1) unprotected plots subject to muskoxen grazing; (2) artificially grazed (clipped) plots; and (3) protected plots (no grazing). Reference No: 12 402 502 (S) and (R)

474

Smith, Deanna
5 Banff Drive
Aurora, ON L4G 3C9

Should There be Inuit Studies Programs Offered at Arctic College, Nunatta Campus, Iqaluit?

Subject: EC, S
Region: BA
Location: Nunatta Campus in Iqaluit
Year of Research: 1993

The researcher plans to examine the types of programs that are offered to Inuit through the Nunatta Campus of Arctic College. The researcher will interview both staff and students of Nunatta Campus in order to explore the idea of an Inuit Studies program. This research will benefit Arctic College by identifying areas of interest and development in the delivery of northern post-secondary education. Reference No: 12 410 426 (S)

475

Smith, Derald

Department of Geography
University of Calgary
Calgary, AB T2N 1N4

Preglacial Channel and Sediment-Fill of the Ancestral Mackenzie River Valley Between Wrigley and Fort Good Hope

Subject: G, W

Region: IN

Location: Mackenzie River valley from Wrigley to Fort Good Hope

Year of Research: 1993

The Mackenzie River Valley will be surveyed in order to document the nature of the river prior to the last glaciation. Sediments will be sampled to determine age, using radiocarbon dating techniques. Field work will take place along the Mackenzie River between Wrigley and the mouth of the Redstone River, in the lower section of Great Bear River, and at Kelly, Turton and Sam McRae Lakes, as well as Lac a Jacque.

Reference No: 12 404 174 (S)

476

Smith, I.R.

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

An Investigation of the Chemical Paleoenvironmental Record Preserved in the Sediments of a Shallow, High Arctic Emergent Lake, Truelove Lowland, Devon Island

Subject: W

Region: BA

Location: Truelove Lowland, Devon Island

Year of Research: 1992

The researcher will continue to investigate the paleolimnological record of Middle Beschel Lake.

Reference No: 12 404 337 (S)

477

Smith, Rod

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

Late Quaternary History and Paleoenvironmental Change in the Lake Hazen Basin on Ellesmere Island

Subject: G, W

Region: BA

Location: Lake Hazen Basin on northern Ellesmere Island

Year of Research: 1992, 1993

It is believed that during the last ice-age on northern Ellesmere Island, Lake Hazen was "pushed" further south as a result of the presence of glaciers. The researchers are investigating the Lake Hazen Basin area to determine the nature of this ancient lake. Sediment samples will be taken from both Lake Hazen, as well as the surrounding area, to study the past environment and organisms (now fossils) that lived in the ancient lake.

Reference No: 12 404 464 (S)

478

Smith, Shirleen

Department of Anthropology

University of Alberta

Edmonton, AB T6G 2H4

The Development of Dene Self-Government in the NWT

Subject: S, T

Region: FS

Location: Deh Cho communities

Year of Research: 1992, 1993

The researcher will address issues of how Dene traditions of governance are reflected in models currently being developed, and how these might be accommodated within the democratic institutions of Canadian government. The study will focus on an area of research that is both interesting and timely: Aboriginal views on the meaning of their treaties with the Crown in Canada.

Reference No: 12 410 158 (S)

479

Smol, John P.

Department of Biology

Queen's University

Kingston, ON K7L 3N6

Study of Contaminants and Bio-Indicators of Environmental Change in Arctic Lakes

Subject: CO, W, MI

Region: BA

Location: lakes near Alert and Resolute

Year of Research: 1992, 1993

The researchers will sample lakewater and lake sediments from several study sites near Resolute and in the High Arctic near Alert. At each lake they will analyze the water chemistry and collect lake muds. The lake muds contain an historical record of past pollution (black carbon particles), as well as biological indicators (for example, diatom algae) of environmental change.

Reference No: 12 402 460 (S)

480

Soderberg, John W.

U.S. Fish & Wildlife Service

Office of Migratory Bird Management

Box 1887

Klamath Falls, OR USA 97601

Western Canada Cooperative Waterfowl Banding Program - Mills Lake Station

Subject: B

Region: FS

Location: Mills Lake

Year of Research: 1993

The researcher will band mallards, pintails and other waterfowl at 12 stations.

Reference No: (R)

481

Solomon, Steven

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

Beaufort Sea Coastal Impacts of Climate Change

Subject: CL, W, G

Region: IN

Location: Richards Island, Tuktoyaktuk Peninsula, Liverpool Bay

Year of Research: 1992

The researcher will investigate the range of potential impacts of changing global climate on the coastline of the Canadian Beaufort Sea. This will be done by a combination of monitoring and site investigations to ascertain processes and process rates affecting coastal responses to present day environmental forcing.

Reference No: 12 404 319 (S)

482

Solomon, Steven

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

Beaufort Sea Coastal Zone Processes

Subject: W, G

Region: IN

Location: Richards Island, Tuktoyaktuk Peninsula, outer Mackenzie Delta

Year of Research: 1993

The researcher will investigate shallow sediment types, sediment content in ice and under-ice water currents in the Canadian Beaufort Sea. This will be done by sampling and surveying using hand-held equipment and current meters (placed under the ice). This study will help to determine the role of ice in transporting sediments along the coast.

Reference No: 12 404 319 (S)

483

Somr, C.H.

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

Origin of Polygonal Peat Plateaus Under Conditions of Continuous Permafrost, Truelove Lowland, Devon Island

Subject: G, W

Region: BA

Location: Truelove Lowland, Devon Island

Year of Research: 1992

The researcher will continue to study peat plateaus formed under conditions of continuous permafrost in Truelove Lowland, Devon Island.

Reference No: 12 404 318 (S)

484

Soulis, E.D.

Department of Civil Engineering
University of Waterloo
Waterloo, ON N2L 3G1

Distributed Snowmelt Modelling for Flood Forecasting in Northern Rivers

Subject: W

Region: FS

Location: Martin River near Fort Simpson

Year of Research: 1992

The purpose of the project is to improve the methods used to predict the spring floods in the smaller rivers. Floods from snowmelt are a particular concern in northern rivers. In the Fort Simpson area, spring flows from the smaller rivers, which are tributaries to the Liard and Mackenzie, have a great deal to do with the timing and nature of breakup on the major rivers. Snow conditions will be surveyed and related to the spring flood that occurs.

Reference No: 12 406 028 (S)

485

Squires, Bert

Box 1407
Inuvik, NT X0E 0T0

Comparison of Lifestyle Habits and Fitness Levels of an Indigenous Population in Both Urban and Rural Settings

Subject: H, S

Region: IN

Location: Inuvik

Year of Research: 1992

The Canadian Standardized Test of Fitness will be administered to ascertain selected components of fitness. A modified version of the Campbell's (1988) Lifestyle Questionnaire will be administered to ascertain selected aspects of lifestyle. The researcher will determine if the lifestyle of the study participants is adequate or detrimental to their well-being.

Reference No: 12 410 395 (S)

486

Stabler, Matt

Fisheries Joint Management Committee
c/o Joint Secretariat
Box 2120
Inuvik, NT X0E 0T0

Beluga Whale Harvest Monitoring Program

Subject: MM, CO

Region: IN

Location: the Inuvialuit Settlement Region

Year of Research: 1993

The Beluga Harvest Monitoring Program is an ongoing program conducted by the Fisheries Joint Management Secretariat that involves the monitoring of the beluga harvest in the Inuvialuit Settlement Region. Data and samples will be collected from harvested whales in order to assess contaminant levels, as well as population and reproductive parameters.

Reference No: 12 402 534 (S)

487

Stabler, Matt

Fisheries Joint Management Committee

c/o Joint Secretariat

Box 2120

Inuvik, NT X0E 0T0

Yukon North Slope Char Tagging Project

Subject: FI, CO

Region: IN

Location: the King Point area (Yukon), North Slope river systems

Year of Research: 1993

Dolly varden char that use the Babbage, Firth, Big Fish and Rat Rivers spend the summer months in the estuary off the Yukon North Slope. It is not yet known to what extent char from each of these rivers mix while they are together during the summer. The researchers will be at King Point during the course of other duties and will catch and radio tag 10 char in order to monitor the fish's movements. Fish will also be collected for contaminant analyses.

Reference No: 12 402 534 (S)

488

Stabler, Matt

Fisheries Joint Management Committee

c/o Joint Secretariat

Box 2120

Inuvik, NT X0E 0T0

DeSalis River Fishery Monitoring, 1993

Subject: FI, EC, CO

Region: IN

Location: southeast Banks Island on the DeSalis River

Year of Research: 1993

Anadromous Arctic charr, currently viewed of as the eastern form, are known to spawn and overwinter in the DeSalis River system. Residents of Sachs Harbour have expressed an interest in harvesting Arctic char from this system for consumption and commercial purposes. Two resident monitors will sample the subsistence catch of this stock in order to estimate stock size and age. Whole fish will be collected for the purposes of contaminant analyses.

Reference No: 12 402 534 (S)

489

Stairs, Arlene

Faculty of Education

Queen's University

Kingston, ON K7K 3N6

Native Education As Cultural Brokerage: Learning In An Inuit Community

Subject: ED, S, T

Region: BA

Location: Igloolik, Lake Harbour, Iqaluit

Year of Research: 1992

The research will continue to study processes of learning in an Inuit community. The focus of the study is on various learning settings such as land, settlement and school, and groups of learners, such as adults learning new skills and school students.

Reference No: 12 410 244 (S)

490

Standefer, Roma
190 Camelia Avenue
Ottawa, ON K1K 2X8

The Impact of Television on Northern Native Communities

Subject: S
Region: FS
Location: Lutselk'e
Year of Research: 1993

The researcher will examine the impact of television on the community of Lutselk'e. Information will be collected through the use of interviews with selected people, including elders, adults and youth. Discussions will also be held with school teachers, social and health workers, Band Council members and the RCMP. The research is being done in order to assess ways in which the CRTC can provide better television programming to a northern community.

Reference No: 12 410 416 (S)

491

Staniforth, Jennifer
Habitat and Management Section
Yukon Department of Renewable Resources
Box 2703
Whitehorse, YT Y1A 2C6

Wildlife Key Habitat Mapping Project in the Northern Richardson Mountains Area

Subject: P, ML
Region: IN
Location: the northern Richardson Mountain area
Year of Research: 1993

Effective wildlife management requires knowing the location, distribution and number of habitats that are important to wildlife. Within the Inuvialuit Settlement Region (ISR), there is some information on the habitat requirements of several species, but descriptions of these habitats and information about how these habitats are important to wildlife are not documented. This study, supported by the Inuvialuit Final Agreement, will provide important data on ISR habitat.

Reference No: 12 402 512 (S)

492

Staple, Tamara
Department of Environment & Resource Studies
University of Waterloo
Waterloo, ON N2L 3G1

Implications of Climatic Change on Water-Based Recreational Activities in Nahanni and Jasper National Parks

Subject: CL, W, P
Region: FS
Location: Nahanni National Park, Jasper National Park
Year of Research: 1993

The research in Nahanni National Park includes the setting up of programs to monitor water depth and vegetational changes along the river. Changes in water depth influence the ability to navigate the river, especially in areas of rapids, and has implications on the level of expertise required by visitors travelling the river. Monitoring vegetation along the river will provide information about the responses of plants to climate change.

Reference No: 12 402 541 (S)

493

Stearn, Colin W.
Geological Sciences
McGill University
3450 University Street
Montreal, PQ H3A 2A7

Devonian Stromatoporoid Fossil Faunas of Crescent and Truro Islands

Subject: FO
Region: BA
Location: Crescent Island, Truro Island, Penny Strait
Year of Research: 1992

The researcher will collect fossil stromatoporoids from intervals of the Devonian succession of carbonate rocks. Carbonates of early Middle Devonian age are known to be available on Truro Island, but have not been extensively collected for stromatoporoids. Sites will be revisited to improve collections from this interval.

Reference No: 12 404 471 (S)

494

Stenhouse, Gordon
Ducks Unlimited
Box 1438
Yellowknife, NT X1A 2P1

Brackett Lake Waterfowl Study

Subject: B
Region: IN
Location: Brackett Lake (Sahtu)
Year of Research: 1993

The researcher will document waterfowl use and production in the Brackett Lake area.

Reference No: (R)

495

Stenton, Douglas R.
Canadian Circumpolar Institute
University of Alberta
Edmonton, AB

Amadjuak Lake Archaeological Project

Subject: AR, T
Region: BA
Location: southern Baffin Island near Mingo and Amadjuak Lakes
Year of Research: 1992, 1993

In this ongoing study, the researchers will collect information on summer and autumn land use on southern Baffin Island during the late prehistoric period. Information collected will include data on travel routes that people followed to interior hunting and fishing grounds, characteristics of the campsites and information on family / party size.

Reference No: 12 410 160 (S) and 208-32 (P)

496

Stenton, Douglas
Arctic College
Box 600
Iqaluit, NT X0E 0H0

Mallikjuak Site

Subject: AR, EC, ED
Region: BA
Location: Cape Dorset, Mallik Island
Year of Research: 1992

Exploratory excavations will be conducted at the Mallikjuak site near Cape Dorset, Baffin Island. The site is being developed as part of a Territorial Historic Park created on Mallik Island by the Government of the NWT. The objectives of the 1992 season are to assess the educational and recreation potential of the island's heritage resources, and to evaluate the age and interpretive potential of a large Thule winter site to be included in the park.

Reference No: 208-32 (P)

497

Stenton, Douglas
Arctic College
Box 600, Iqaluit, NT X0E 0H0

Tungatsivvik Archaeological Project

Subject: ED, AR
Region: BA
Location: Peale Point
Year of Research: 1992

The researcher will direct Arctic College's third archaeological field school at the Tungatsivvik site, west of Iqaluit. The site is used by the Environmental Technology Programme for training in several disciplines including archaeology, botany, and biology. The students will complete excavation of House 6, a Thule winter house ruin.

Reference No: 208-32 (P) and 12 410 160 (S)

498

Stephenson, Tasha
Department of Fisheries and Oceans
Box 358
Iqaluit, NT X0A 0H0

Foxe Basin Walrus Hunt Monitoring Program

Subject: MM, CO
Region: BA
Location: Hall Beach, Igloolik
Year of Research: 1993

This project will involve the collection of data on the harvest of walrus in the Foxe Basin area. Measurements will be taken on the walrus harvested and tissue samples will be collected for the purpose of assessing contaminant levels in tissues. Hunters from Igloolik and Hall Beach will be trained in sampling techniques and the local Hunters' and Trappers' Associations will be contracted to carry out the sampling program. Fisheries and Oceans will monitor the hunts.

Reference No: 12 402 490 (S)

499

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

Inshore Fishery Assessment and Training

Subject: FI, ED, I

Region: KI

Location: marine waters near Holman, Taloyoak, Gjoa Haven, Cambridge Bay, Coppermine, Umingmaktok

Year of Research: 1993

The Department of Renewable Resources, in consultation with Hunters and Trappers organizations, is conducting a survey of the types and quantities of various marine species found in the waters near several communities. The researchers are interested in knowing if there are sufficient shrimp, scallops, cod, clams, crab or turbot for supporting commercial harvests.

Reference No: 12 402 556 (S)

500

Stewart, D. Bruce
Arctic Biological Consultants
Box 68
St. Norbert Postal Station
Winnipeg, MB R3V 1L5

Collection of Inuit Traditional Knowledge of the Distribution and Biology of High Arctic Beluga and Narwhal

Subject: T, MM, S

Region: BA

Location: Arctic Bay, Grise Fiord, Igloodik, Hall Beach

Year of Research: 1993

The researchers will be documenting Inuit traditional knowledge of the distribution, abundance and biology of High Arctic beluga and narwhal. This information will be used to identify research and management needs for local and co-management plans. A questionnaire will be used to interview elders and hunters; the interviewer will be a community resident. Information will be compiled into a report and a non-technical poster.

Reference No: 12 402 317 (S)

501

Stewart, Henry
c/o Levi Illuitok
Pelly Bay, NT X0E 1K0

Ethnographical and Ethnohistorical Research in the Pelly Bay Region

Subject: S, T

Region: KI

Location: the Pelly Bay area

Year of Research: 1992

The researchers will collect information pertinent to subsistence activities, social organization and present conditions. Data concerning subsistence activities will be collected in the field by the observer-participation method for the present, and interviews of elders at sites of past subsistence activities for the past.

Reference No: 12 410 308 (S)

502

Stewart, Robert E.A.

Department of Fisheries and Oceans

Freshwater Institute

501 University Crescent

Winnipeg, MB R3T 2N5

Ringed Seal Biology

Subject: MM, CO

Region: BA

Location: Pangnirtung, Bathurst Island, Resolute Bay, Devon Island

Year of Research: 1992

The researcher will collect data from up to 190 ringed seals harvested by Inuit hunters around Pangnirtung to obtain information on contaminant levels and to assess the impact these levels have on the animals. Material will also be used for a study of fetal growth. As well, the researchers will immobilize several walrus and attach satellite transmitters to their tusks.

Reference No: 12 402 119 (S)

503

Stewart, Robert E.A.

Department of Fisheries and Oceans

Freshwater Institute

501 University Crescent

Winnipeg, MB R3T 2N5

Satellite Tagging of Walrus

Subject: MM

Region: BA

Location: Gregory Peninsula on Bathurst Island

Year of Research: 1993

The researchers will be attaching satellite transmitters to the tusks and tags to the flippers of walrus in order to study walrus behaviour and movements. In addition, body measurements and blood samples will be taken from all walrus.

Reference No: 12 402 119 (S)

504

Stirling, Ian

Canadian Wildlife Service

5320 - 122 Street

Edmonton, AB T6H 3S5

Behavioral and Population Biology of Polar Bears and Seals

Subject: MM

Region: BA, IN

Location: Banks Island, Prince Patrick Island

Year of Research: 1993

The researcher will estimate the abundance of polar bears on the west coast of Banks Island and Prince Patrick Island, and study behavioral and population biology of polar bears and seals.

Reference No: (R)

505

Stubley, Michael

Energy, Mines and Petroleum Resources

GNWT, Box 1320

Yellowknife, NT X1A 2L9

Geology of the Smoky Lake Area

Subject: G, EC

Region: FS

Location: the Smoky Lake area, approximately 110 km northeast of Yellowknife

Year of Research: 1992

The research will involve the examination, documentation and surface sampling of outcrops in the study area. The information will be recorded on a map which will summarize the geological rock types and mineral resources of the area.

Reference No: 12 404 382 (S)

506

Stubley, Michael

Energy, Mines and Petroleum Resources

GNWT, Box 1320

Yellowknife, NT X1A 2L9

Geology of the Ames Lake Area

Subject: G, EC

Region: FS

Location: the Ames Lake area, approximately 130 km NNE of Yellowknife

Year of Research: 1993

The researcher will examine, document and take samples of the surface outcrops (rocks) in the study area. This information will be recorded on a map which will summarize the geological rock types and mineral resources of the area.

Reference No: 12 404 382 (S)

507

Suedfeld, Peter

Dept. of Psychology

University of British Columbia

2136 West Mall

Vancouver, BC V6T 1Z4

Polar Psychology Project

Subject: S, H

Region: BA, IN

Location: Eureka, Resolute Bay, Tuktoyaktuk

Year of Research: 1993

In its fifth phase of research, the Polar Psychology Project will interview and survey scientists, students, and assistants working in the two circumpolar areas. The goal is to gain a better understanding of psychological and psychophysiological processes that affect people working on a time-limited basis in the two circumpolar areas, as well as to develop improved procedures for enhancing their adaptation.

Reference No: 12 410 336 (S)

508

Sutherland, Patricia
Northlands Research
1154 Bayview Drive, RR1
Woodlawn, ON K0A 3M0

Prediction of Archaeological Sites in the Mackenzie Delta

Subject: AR, G
Region: IN
Location: Richards Island
Year of Research: 1993

A survey and test excavations will be conducted on Richards Island in the Mackenzie Delta. The activities are aimed at testing a model of predicting where archaeological sites could be located on Richards Island. The model is based on landscape units identified from aerial photographs.
Reference No: 208-10 (P)

509

Sutherland, Pat
Northland Research
1154 Bayview Drive, RR1
Woodlawn, ON K0A 3M0

Prehistoric Adaptions to Changing Environments on Western Ellesmere Island

Subject: AR, CL
Region: BA
Location: Fosheim Peninsula
Year of Research: 1992

The purpose of the field work is to survey the area around Eureka Sound for the existence of prehistoric sites, and to test certain sites to recover archaeological and palaeoenvironmental information, to reconstruct local environmental conditions over the past 4000 years. The field work is the first stage of the archaeological component of a multi-disciplinary programme designed to study the history of environmental change in one region of the High Arctic.
Reference No: 208-10 (P)

510

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

Hierarchy of Stress Tolerance for Flowering Plants in Extreme Polar Desert and Establishment of Permanent Plots for an International Tundra Experiment (ITEX)

Subject: P, CL, W
Region: KE
Location: Sverdrup Pass (Ellesmere Island), Baker Lake
Year of Research: 1992, 1993

The researcher will study how plants returned to the arctic realm after the retreat of the continental ice sheet some 8000 years ago, and what the prospect is for the present polar deserts to become green again if the climate ameliorates, as predicted. As well, they will investigate the effects of climate warming on tundra plant communities in the mid-Arctic, through the simulation of higher snow accumulation using a snow fence.
Reference No: 12 402 126 (S)

511

Swayze, Ken

Archaeological Survey of Canada
Canadian Museum of Civilization
Box 3100, Station B
Hull, PQ J8X 4H2

Tuktoyuktuk Interior Archaeology Project

Subject: AR

Region: IN

Location: Tuktoyaktuk Peninsula

Year of Research: 1992, 1993

The objective of the project is to locate archaeological sites in the interior of the Tuktoyaktuk Peninsula, Richards Island and the Eskimo Lakes. In 1991, Swayze tested a small interior site about 25 km southwest of Tuktoyaktuk. In 1992, Swayze excavated at three of these interior sites and found that fish, small mammals, and birds were an important aspect of the diet of the inhabitants. Reference No: 208-70 (P)

512

Swyripa, Murray

Renewable Resources & Environment Directorate
Water Resources Division
Box 1500
Yellowknife, NT X1A 2R3

Wager Bay Basin Overview

Subject: W, EC

Region: KE

Location: the Wager Bay Basin and Plateau area

Year of Research: 1993

The Water Resources Division, along with the Inland Waters Directorate and Canadian Parks Service, are planning a cooperative water quality program for the Wager Bay area. This program will involve measuring stream flow rates and sampling for water quality at a number of sites on rivers that flow into Wager Bay within the proposed Wager Bay National Park area. As well, water and sediment samples will be taken from a number of lakes for chemical analyses.

Reference No: 12 404 483 (S)

513

Swyripa, Murray

Renewable Resources & Environment Directorate

Water Resources Division

Box 1500

Yellowknife, NT X1A 2R3

Riverine Inputs of Contaminants to the Arctic Ocean

Subject: W, CO

Region: BA, FS, IN, KE, KI

Location: the Mackenzie, Coppermine, Burnside, Ellice, Hayes, Back, Thelon, Dubawnt, Quoich, Lorrillard, Kazan and Anderson Rivers

Year of Research: 1993

Northward flowing rivers are thought to be major ways in which contaminants are introduced to the Arctic Ocean. As part of an ongoing study, river water and sediments will be collected over the course of the year and assessed for the presence of contaminants. A total of 12 rivers in the Canadian Arctic mainland will be sampled in this study, including the Mackenzie, Coppermine, Burnside, Ellice, Hayes, Back, Thelon, Dubawnt, Quoich, Lorrillard, Kazan and Anderson. Reference No: 12 404 483 (S)

514

Tallman, Ross

Freshwater Institute

501 University Crescent

Winnipeg, MB R3T 2N6

Broad Whitefish Population Study and Traditional Knowledge

Subject: FI, S, T

Region: IN

Location: the Arctic, Peel and Mackenzie River areas

Year of Research: 1992, 1993

The researchers will work with other scientists to examine the broad whitefish of the Mackenzie River and associated tributaries of the Arctic Red and Peel Rivers. Features such as population size, migration, growth, age of sexual maturity and mortality will be examined. A study of the traditional knowledge of broad whitefish and fishing in the Mackenzie River will also be developed. Reference No: 12 402 515 (S)

515

Tarduno, John A.
Geological Research Division
Scripps Institution of Oceanography
La Jolla, CA USA 92093-0215

A Late Cretaceous and Palaeogene Arctic Palaeoclimate Record: The Sedimentary Sequence at Strand Fiord, Axel Heiberg Island

Subject: G, CL, FO, P, MA
Region: BA
Location: Strand Fiord on Axel Heiberg Island
Year of Research: 1993

For much of the Earth's history, the Arctic has had a mild climate, quite unlike the conditions that now exist. Evidence that supports this past climate are fossil plants and animals (including crocodiles and tortoises) found in the Arctic. The Earth's magnetic field has changed over time and these changes are contained in the fossils. This research will try to develop a technique to age these fossils by measuring their magnetic characteristics.

Reference No: 12 404 210 (S)

516

Taylor, Cindy Squires
NWT Centre for Remote Sensing
Department of Renewable Resources
Yellowknife, NT X1A 2L9

Digital Database of Vegetation Types of the Mackenzie Valley Development Corridor

Subject: P, G
Region: IN, FS
Location: Fort Simpson, Norman Wells
Year of Research: 1992

The researcher will conduct helicopter surveys of vegetation types. The field data will aid in the computer classification of satellite imagery. The results will be vegetation maps of the Mackenzie Valley, which can be plotted on paper or entered into a digital database on a geographic information system (GIS) for further analysis with other data such as wildlife habitat, forest fires and trapline locations.

Reference No: 12 404 433 (S)

517

Taylor, John S.
522 Crawford Street
Toronto, ON M6G 3J8

Electrophoretic Studies of North American Halictid Bees

Subject: I
Region: IN
Location: Inuvik
Year of Research: 1992

The researcher will collect specimens of bees that belong to the subgenus *Evylaeus* (Family Halictid), which are small "ant-like" bees sometimes called "sweat bees". The researcher will determine how they are related to the European species, which, unlike the *Evylaeus*, are social in their behaviour. This study may shed some light on the evolution of social behaviour in bees.

Reference No: 12 402 526 (S)

518

Taylor, Mitch

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Document the Distribution of Polar Bears in Northern Baffin

Subject: MM

Region: BA

Location: Ellesmere Island, Lancaster Sound, Jones Sound, Norwegian Bay

Year of Research: 1993

The researcher will document the distribution of polar bears in the vicinity of Baffin Island, Ellesmere Island, Lancaster Sound, Jones Sound and Norwegian Bay.

Reference No: (R)

519

Taylor, Mitch

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Document Movements of Polar Bears near Auyuittuq National Park

Subject: MM

Region: BA

Location: Auyuittuq National Park

Year of Research: 1993

The researcher will study movements of polar bears seeking summer retreats in the vicinity of Auyuittuq National Park, for the purpose of preventing human-bear conflicts associated with park use by visitors.

Reference No: (R)

520

Taylor, R.B.

Atlantic Geoscience Centre

Bedford Institute of Oceanography

Box 1006

Dartmouth, NS B2Y 4A2

Coastal Project 13192

Subject: G, W

Region: BA

Location: Mould Bay, Resolute Bay, Radstock Bay, Devon Island

Year of Research: 1992

The researcher and his team will search for new evidence pertaining to the recent history of relative sea level so that a Holocene sea level curve can be constructed for the Arctic Island shores.

Reference No: 12 404 294 (S)

521

Tella, S.

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

Regional Bedrock Mapping Studies in the District of Keewatin

Subject: G, EC

Region: KE

Location: north of Rankin Inlet

Year of Research: 1992

An eight person field crew will undertake bedrock mapping studies in the region north of Rankin Inlet to determine the geological framework and assess the economic potential of the region.

Reference No: 12 404 453 (S)

522

Thiessen, Carol

Chief, Arctic Gallery
Canadian Museum of Nature
Box 3443, Station D
Ottawa, ON K1P 6P4

Research for the New Permanent Exhibit Gallery on the Arctic at the Canadian Museum of Nature

Subject: ED, S, T

Region: BA

Location: Resolute, Eureka, Axel Heiberg Island, Otto Fiord, Sverdrup

Year of Research: 1992

The researcher will document various Arctic environments that may be displayed in some way in the Gallery. This will involve photographing, video-recording, writing about and visiting various environments. In addition, they will be consulting with Inuit on the proposed content of the exhibit through a Hamlet meeting at Resolute and other informal discussions to help determine how the content will be treated.

Reference No: 12 410 407 (S)

523

Thompson, Peter H.

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

Regional Geological Mapping of the Winter Lake and Lac de Gras Map Area, District of Mackenzie, NWT

Subject: G, EC

Region: KI

Location: Lac de Gras, Winter Lake

Year of Research: 1992

Using a combination of regional bedrock mapping, detailed mapping and special studies in the fields of petrology, structural geology, geochronology, geophysics, metallogeny and surficial geology, the research will determine the origin, evolution and economic potential of part of the Slave Structural Province, Canadian Shield.

Reference No: 12 404 456 (S)

524

Traynor, Stephen

Natural Resources & Environment Branch, DIAND

Les Terrasses de la Chaudière

6th Floor, 10 Wellington Street

Ottawa, ON K1A 0H4

Granular Deposits and Their Geological Constraints: Northern Richards Island

Subject: G

Region: IN

Location: North Richards Island (North Point)

Year of Research: 1993

The researchers will visit the site in order to determine the locations and type of granular sources. Field work will involve the collection of some samples of surface sediments and a comparison of the land features with those found in air photographs of the same area. A report will be prepared for DIAND on the availability of possible granular sources, as well as a summary of previous studies done on the area.

Reference No: 12 404 491 (S)

525

Tymstra, Robert

P.O. Box 2809

Sarnia, ON N7T 7W1

Avifaunal Survey of the James Bay Islands

Subject: B, I

Region: BA

Location: James Bay Preserve Islands, Akimiski Island Bird Sanctuary

Year of Research: 1993

This long-term study documents the types of birds found on the major islands in James Bay. Sightings of mammals, amphibians and butterflies will also be recorded. Sampling methods will include point counts, line transects and direct counts.

Reference No: 12 402 543 (S)

526

Usher, Peter J.

Director, Research Division

Inuit Tapirisat of Canada

Suite 510, 170 Laurier Avenue West

Ottawa, ON K1P 5V5

Meeting the Information Needs of Inuit Regarding Contaminants

Subject: S, CO

Region: BA, IN, KE

Location: Baker Lake, Tuktoyaktuk, Sanikiluaq

Year of Research: 1993

To develop effective, appropriate communication strategies on contaminant issues with Inuit communities requires an understanding of how Inuit now view the problem of contaminants and how they identify their information needs. Three communities will be visited in order to conduct semi-directed interviews with consenting individuals from the communities, including harvesters, elders, women, youth and professionals.

Reference No: 12 410 449 (S)

527

Vandenbygaart, B.J.

Department of Geography

University of Western Ontario

London, ON N6A 5C2

Holocene Paleolimnology of a High Arctic Lake, Truelove Lowland, Devon Island

Subject: W

Region: BA

Location: Truelove Lowland, Devon Island

Year of Research: 1992

The researcher will continue a chronology of environmental change during the development of Immerk Lake.

Reference No: 12 404 442 (S)

528

Vardy, Sheila

Department of Earth Sciences

University of Waterloo

Waterloo, ON N2L 3G1

Climate Change and Postglacial Paleoenvironmental History of Peatlands in the Mackenzie Delta Area

Subject: CL, G, FO, P, CO

Region: IN

Location: the Inuvik and Tuktoyaktuk areas

Year of Research: 1992, 1993

This research is part of an international project that is aimed at documenting the history of changes in the treeline during the Holocene era. While much is known about the environment and climate of this era, little is known about the development of peatlands during this time. The researcher will collect data on peat layering, pollen and fossils in order to determine how the peatlands developed during this time period. Peat samples will be taken from bogs for further analyses. The feasibility of using peat as a temporal record of pesticide residues will also be investigated.

Reference No: 12 404 383 (S)

529

Vick, Ann

Roger Lang Clearinghouse for Circumpolar Education
162 Shawmut Street
Chelsea, MA USA 02150

Identification and Sharing of Exemplary Programs and Processes in Circumpolar Education

Subject: ED, T

Region: BA

Location: the Baffin Region

Year of Research: 1992

The researchers will identify and share exemplary programs and processes in circumpolar education. They will investigate the design and results of the research program established to assess the effectiveness of the Piniqtaqavut program (developing instructional programs which use community knowledge). They will also explore how the Baffin Divisional Board may be able to utilize other circumpolar resources from circumpolar educators.

Reference No: 12 410 393 (S)

530

Vincent, Jean-Serge

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

Quaternary Geology of the Beaufort Sea Coastal Plain

Subject: G, MA, W

Region: IN

Location: Inuvik, Morgan Bluffs

Year of Research: 1992

The researcher will complete a detailed palaeomagnetic sampling of the glacial and nonglacial sediments in the Morgan Bluffs of eastern Banks Island, and collect samples of boulders for Chlorine 36 dating. The data will allow the team to assess previously proposed correlations and establish on a firmer basis the chronological framework for one of the longest sequences of Quaternary deposits in Arctic Canada.

Reference No: 12 404 258 (S)

531

Vincent, W.F.

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

Limnology and Algal Ecology of Bylot Island

Subject: W, MI

Region: BA

Location: Bylot Island

Year of Research: 1993

The researcher will collect water samples that contain small, single-celled organisms from lakes, ponds and streams on Bylot Island. A new technique using microscopes has increased scientists' ability to detect life forms that were previously not known to exist. The researcher will examine the water samples using this new technique to determine the type of microscopic organisms that form the basis of the arctic food web.

Reference No: 12 402 329 (S)

532

Voelzer, James F.

U.S. Fish & Wildlife Service

911 NE 11th Avenue

Portland, OR USA 97232-4141

Cooperative United States/Canada Waterfowl Population Survey

Subject: B

Region: FS, IN

Location: Fort Smith, Sahtu, Inuvik

Year of Research: 1993

The researcher will determine the size and species composition of the breeding population of ducks and other waterfowl in the Mackenzie River drainage basin.

Reference No: (R)

533

Vosburgh, Jim A.

1962 Mills Road

Sidney, BC V8L 3S1

Lidar Bathymetry Survey in Icebreaker Channel

Subject: W, EC, G

Region: KI

Location: the Icebreaker Channel near Jenny Lind Island

Year of Research: 1993

A aerial survey of Icebreaker Channel and the surrounding waters will be conducted in order to collect measurements that will be useful in determining a safe shipping zone. A bathymetry will be used to take measurements of water depth. This device is mounted to an aircraft which flies over the areas of interest to collect water depth information. This type of data collection has been used to map Simpson, Dolphin and Union Straits.

Reference No: 12 404 492 (S)

534

Wachowich, Nancy

33 Becher Street (#1)

London, ON N6C 1A4

Crime in Arctic Communities

Subject: S

Region: BA

Location: Pond Inlet

Year of Research: 1992

The researcher will examine incidents of sexual assault and break-and-enters. Community residents will be interviewed for their reactions and proposed resolutions to criminal events.

Reference No: 12 410 360 (S)

535

Waite, Don

Environment Canada
Saskatchewan District Office
Rm 300, 2365 Albert Street
Regina, SK S4P 4K1

Atmospheric Transport of Organic Contaminants

Subject: AT, CO

Region: BA, IN, FS

Location: Yellowknife, Inuvik, Iqaluit, Regina, Prince Albert

Year of Research: 1993

Air, dust and rain samples will be collected on a weekly basis at five Canadian locations during the months of June and July 1993. Three locations are in the NWT while two locations are in Saskatchewan. The samples will be analyzed in Regina and Edmonton for the presence of certain insecticides, herbicides and PCB's that are known to be transported in the atmosphere.

Reference No: 12 402 547 (S)

536

Ward, Brent

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

Quaternary Geology of the Lac de Gras and Aylmer Lake Areas

Subject: G

Region: FS

Location: the Lac de Gras and Aylmer Lake area

Year of Research: 1993

The researcher will survey by helicopter and on foot the areas of Lac de Gras and Aylmer Lake in order to investigate the distribution and nature of surface rocks and sediments. This data will be used to create geological maps of the areas, as well as to check the accuracy of a preliminary map that was made based on air photo data. Samples of rock will be taken for chemical analyses in a laboratory.

Reference No: 12 404 486 (S)

537

Washburn, A.L.

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

Multiyear Study of High Arctic Periglacial Processes and Related Quaternary History

Subject: W, G

Region: BA

Location: the Resolute Bay area

Year of Research: 1992, 1993

The researcher will continue the investigation of how the landscape has changed since the glaciers left 10,000 years ago. In particular, how the effects of frost and permafrost have influenced changes will be examined.

Reference No: 12 404 169 (S)

538

Washuta, A.S.
UMA Engineering Ltd.
17007-107 Avenue
Edmonton, AB T5S 1G3

Preliminary Site Investigations for the Design and Cost Estimating of the Clean-up Protocol of DEW Line Sites

Subject: CO
Region: BA, FS, IN, KE, KI
Location: DEW Line Sites across the NWT
Year of Research: 1992, 1993

The information gathered at the 10 NWT DEW Line Sites will be used to prepare detailed contract documents for each site's environmental clean-up. During the site visits, the researchers will conduct overall site surveys and identify areas or structures requiring either clean-up or demolition. The sites to be visited are Nicholson Peninsula, Clinton Point, Cape Young, Byron Bay, Jenny Lind Island, Gladman Point, Pelly Bay, Mackar Inlet, Longstaff Bluff and Cape Hooper.

Reference No: 12 402 442 (S)

539

Webb, R.
R. Webb Environmental Services Ltd.
7911 Sunneymede Crescent
Richmond, BC V6Y 1H3

Site Instrumentation at the Langley Drill Site

Subject: W, CL, B
Region: IN
Location: outer Langley Island in the Mackenzie Delta
Year of Research: 1993

The purpose of this research is to place automated instruments to measure the wind, temperature, water levels and wave height, and frequency at or near a planned drill site for Shell Canada. These instruments will be installed and monitored during the site visit and then the instruments will be left to collect data until they are picked up on September 15, 1993. Bird movements and their habitat use will also be monitored during the site visit.

Reference No: 12 402 194 (S)

540

Weber, J.R.
Geophysics Division
Geological Survey of Canada
1 Observatory Crescent
Ottawa, ON K1A 0Y3

Monitoring of the Penny Ice Cap, Ellesmere Island

Subject: W, CL
Region: BA
Location: Penny Ice Cap on Ellesmere Island
Year of Research: 1992, 1993

Changes in the size of ice caps are excellent indicators of changes in climate and are related to changes in sea level. New measurements will be taken at the same location as those collected in 1962 and 1965, in order that comparisons can be made over the years. Differences in these measurements can indicate ice cap growth or shrinkage.

Reference No: 12 404 369 (S)

541

Weber, Richard

Weber/Malakhov Expedition

Box 106

Chelsea, PQ J0X 1N0

Weber-Malakhov North Pole Round Trip Expedition 1992

Subject: H, W

Region: BA

Location: Iqaluit, from Ward Hunt Island to the North Pole

Year of Research: 1992

The expedition members will collect data (snow and blood samples; fitness levels; sleep activity; stress levels) for several scientists during their trip to the North Pole.

Reference No: 12 404 328 (S)

542

Webster, Andrew

Centre for Social Welfare Studies

Graduate School of Social Work

Carleton University

Ottawa, ON K1S 5B6

Conflicting Paradigms of Elder-Care in the NWT, with Particular Reference to Special-Needs Housing of the Elderly

Subject: H, S

Region: FS

Location: Yellowknife, Fort Resolution, Fort Smith

Year of Research: 1992

The 1992 research is the final phase of data collection for the three year study of elder-care in the NWT. The purpose of the research is to produce a report which discusses the potential social impacts of Euro-Canadian elder-care strategies on Aboriginal social structure in the NWT.

Reference No: 12 404 298 (S)

543

Webster, Andrew

Centre for Social Welfare Studies

Graduate School of Social Work

Carleton University

Ottawa, ON K1S 5B6

Development and Impacts of Social Administration in the Territorial Norths

Subject: S

Region: FS

Location: Yellowknife

Year of Research: 1993

The researcher will collect data from public sources of literature on the development and impacts of social administration on residents of the NWT. This data will be used towards the development of a research topic for the researcher's Ph.D. degree. Agencies that the researcher wishes to approach for literature include the GNWT Department of Social Services, and libraries of the Court House, Dene Nation, and Prince of Wales Northern Heritage Centre.

Reference No: 12 404 298 (S)

544

Webster, Debora
Parks Canada
Box 1166
Yellowknife, NT X1A 2N8

Piqqiq

Subject: T, ML
Region: KE
Location: Kazan River
Year of Research: 1993

The project will involve a preliminary survey and recording of oral history at Piqqiq, a caribou crossing on the lower Kazan River. The site was an important fall camp for Caribou Inuit families from the 1920s to 1940s.

Reference No: 208-82 (P)

545

Webster, Debora and Karklins, Karlis
Parks Canada
1600 Liverpool Court
Ottawa, ON K1A 0H3

Wager Bay Archaeological Survey

Subject: AR, EC
Region: KE
Location: Wager Bay
Year of Research: 1992

Situated in the Keewatin, Wager Bay is being considered for development as a National Park. The assessment of the proposed park's archaeological and historical resources, begun in 1991, will be continued this year.

Reference No: 208-73 (P)

546

Wein, Ross W.
Department of Forest Science
University of Alberta
751 General Services Building
Edmonton, AB T6G 2H1

Canadian Intersite Decomposition Experiment

Subject: P, CL
Region: IN
Location: the AES Weather Station near Inuvik
Year of Research: 1993

Forestry researchers tend to study their local forests in detail. Yet for major issues such as global warming, it is necessary to conduct research over larger areas to understand impacts on Canadian forests and industry. This study attempts to improve the description of rates of decomposition and nutrient mineralization across Canadian forests in order to understand how forests are supplied with nutrients for growth in different ecoregions.

Reference No: 12 402 350 (S)

547

Wein, Ross W.

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

Fire, Carbon Budget and Climate Change

Subject: CL, W

Region: IN, FS

Location: Hay River, Fort Simpson, the area from Arctic Red River to Fort McPherson

Year of Research: 1992, 1993

The research team will be examining areas of permafrost south of Inuvik and near Hay River in order to assess the rate of loss of permafrost as a result of the warming in climate over the past 20 years. The loss in permafrost may be accelerated following a local fire. The wetlands that replace these areas of permafrost could lead to a greater production of methane (one of the gases that contributes to the greenhouse effect).

Reference No: 12 402 350 (S)

548

Wein, Ross W.

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

Long-Term Forest-Tundra Disturbance Research

Subject: P, CO, EC

Region: IN

Location: the Inuvik and Tuktoyaktuk areas

Year of Research: 1992, 1993

In previous research in the 1970s, experiments and surveys provided information on the recovery rates of vegetation in response to disturbances from human activities. Several predictions about the long-term recovery of vegetation were made at that time. The researcher will collect data to determine if these predictions reflect what is actually occurring. This information will provide information about long-term impacts of oil spills, vehicle trails and development activities. Reference No: 12 402 350 (S)

549

Welch, Harold

Fisheries and Oceans Canada
501 University Crescent
Winnipeg, MB R3T 2N6

Productivity of Marine Mammal Food Chains in the Northwest Passage

Subject: MM, B, CO

Region: BA

Location: Resolute

Year of Research: 1992, 1993

In this ongoing study, the researcher will continue marine research at Resolute. The trophic dynamics of the arctic marine food chain as it pertains to marine mammal and seabird production will be examined. The main goal is to obtain data on seasonal cycles of energy flow. The researcher will also examine organochlorine and heavy metal contaminants in the marine system.

Reference No: 12 402 209 (S)

550

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

Arctic Dreams: Tourism as a Local Economic Development Strategy in Baffin Region Communities

Subject: EC, S

Region: BA

Location: Cape Dorset, Clyde River, Iqaluit, Resolute, Grise Fiord, Pond Inlet

Year of Research: 1992, 1993

This multi-year study will provide an analytical perspective on aspects of northern tourism. This study will contribute to an understanding of the overall direction of economic development in contemporary eastern Arctic communities.

Reference No: 12 410 106 (S)

551

Whitridge, Peter
Dept. of Anthropology
Arizona State University
Tempe, AZ USA 85287-2402

Mapping of a Thule Inuit Settlement at Mount Oliver

Subject: AR

Region: BA

Location: Mount Oliver

Year of Research: 1992, 1993

The co-ordinates of all features visible on the surface will be recorded, including numerous boulder and gravel caches, tent rings, qarmat, bowhead whale bones and isolated artifacts. The ruins of Thule winter houses and a large bowhead whale bone processing area at the edge of the site will be mapped in greater detail.

Reference No: 208-71 (P)

552

Whittles, Martin J.
c/o Inualthuyak School
Sachs Harbour, NT X0E 0Z0

History and Change in a Canadian Arctic Settlement

Subject: S, T, EC

Region: IN

Location: Sachs Harbour, Banks Island

Year of Research: 1992

The researcher will continue an ethnographic study of the people and history of Sachs Harbour. An investigation of the local economic systems and land use patterns will be undertaken, the hamlet political system and its interaction with other levels of government will be documented and Inuit history on Banks Island will be explored. The focus will be on the local people's interpretation of themselves and their history.

Reference No: 12 410 386 (S)

553

Wideman, Miriam

Health Researcher

GNWT Department of Health

Box 1320

Yellowknife, NT X1A 2L9

NWT Injury Research and Prevention Project

Subject: H, S

Region: BA, FS, IN, KE, KI

Location: the Baffin, Fort Smith, Inuvik, Keewatin and Kitikmeot regions

Year of Research: 1992

During the third year of this study, information concerning how, where, and why injuries happen will be collected in all regions of the NWT and added to the national database. This research will aid the present health system to target specific areas of concern and to increase intervention programs to the public.

Reference No: 12 408 083 (S)

554

Wielens, Hans

Unocal Canada Exploration Ltd.

150 - 6th Avenue SW, 45th Floor

Calgary, AB T2P 3Y2

NWT Fieldwork 1992: Geological Survey

Subject: G, EC

Region: IN, FS, KI

Location: Yellowknife, Bathurst Inlet, Paulatuk, Norman Wells

Year of Research: 1992

The researcher will look at several outcropping rock formations that are accessible in the NWT. The potential for hydrocarbon generation and storage of these rocks will be the main focus of the work.

Reference No: 12 404 402 (S)

555

William, Mark

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Ecological Factors that Influence Population Dynamics of Wolves

Subject: ML

Region: KI, FS

Location: the Kitikmeot and Fort Smith regions

Year of Research: 1993

The researcher will conduct ground and aerial classification counts, radio-track movements and determine movement patterns, pup survival, predation rates, and activity patterns and behaviour of wolves.

Reference No: (R)

556

William, Mark

Department of Renewable Resources

Government of the NWT

600, 5102 - 50th Avenue

Yellowknife, NT X1A 3S8

Wildlife Management Studies on the Beverly Caribou Herd

Subject: ML

Region: FS, KE, KI

Location: the Fort Smith, Keewatin and Kitimeot regions

Year of Research: 1993

The researcher will conduct ground and aerial classification counts, collect biological specimens from hunter-killed caribou and wolves, and conduct a photographic calving ground census.

Reference No: (R)

557

Wilson, Chris C.

Department of Zoology

University of Guelph

Guelph, ON N1G 2W1

Interspecific Hybridization Between Arctic Char and Lake Trout

Subject: FI

Region: BA

Location: Melville Peninsula, Sarcpa and Lailor Lakes

Year of Research: 1992

The researchers will collect approximately 50 small fish per lake in an attempt to determine where and when hybrid offspring are selectively weeded out. The majority of fish caught will be fin-clipped and released. Any hybrids collected will be kept, as well as a representative sample of fish from each parent species.

Reference No: 12 402 463 (S)

558

Wilson, Chris C.

Department of Zoology

University of Guelph

Guelph, ON N1G 2W1

Genetics and Postglacial Dispersal of Lake Trout (*Salvelinus namaycush*) and Arctic Charr (*S. alpinus*) in the Western Arctic

Subject: FI

Region: IN, FS

Location: Hay River, Inuvik, Tuktoyaktuk, Paulatuk

Year of Research: 1993

The researcher will be collecting lake trout and/or arctic charr from lakes near Hay River, Inuvik, Paulatuk and Tuktoyaktuk in order to examine the distributions of these species. Samples of liver and muscle tissue will be collected from these fish for genetic analyses. This research will provide information about how different populations are related to each other (i.e., their origins). This information will help to better manage fish populations.

Reference No: 12 402 463 (S)

559

Winnicky, Kim
911 Greenbriar
Ottawa, ON K2C 0J8

Influence of Petroleum Contamination on Soil Thermal Properties

Subject: CO, G, P

Region: IN

Location: the Yukon and NWT border on the Canol Road

Year of Research: 1993

In this study, oil spill sites will be identified and information will be collected on the vegetation, soil and amount of surface oil present. Five soil cores from the sample sites will be collected and analyzed for oil concentrations, as well as used for experimentation in order to assess soil thermal properties.

Reference No: 12 404 482 (S)

560

Wolfe, Alexander P.
Department of Geography
Queen's University
Kingston, ON K71 3N6

Paleolimnology and Sedimentology of Lakes on the Unglaciaded Terrain of Fosheim Peninsula, Ellesmere Island

Subject: W

Region: BA

Location: Fosheim Peninsula on Ellesmere Island

Year of Research: 1992

The researcher will continue to investigate lakes on the unglaciaded terrain of Fosheim Peninsula to determine the former environments of high and low arctic lakes. By analyzing the physical and chemical properties of the sediments, as well as the preserved biological remains within them, the nature and timing of rapid environmental changes at the close of the last glaciation may be explained.

Reference No: 12 404 374 (S)

561

Woo, Ming-ko
Department of Geography
McMaster University
1280 Main Street, W
Hamilton, ON L8S 4K1

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

Subject: W, CL

Region: BA

Location: Resolute and the Fosheim Peninsula on Ellesmere Island

Year of Research: 1993

The 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 will be taken. This research may help to determine the effect of climatic warming on permafrost and water bodies in the arctic.

Reference No: 12 404 113 (S)

562

Zellen, Barry

Inuvialuit Communications Society

Box 1846

Inuvik, NT X0E 0T0

Decision-Making Structures in Land Claims Settlement Areas: Implications for Sovereignty and Security

Subject: S

Region: IN

Location: Inuvik

Year of Research: 1992

The researcher and his team will engage in a comparative analysis of the Alaska, Inuvialuit and Inuit land claims settlements and their respective decision-making structures, using a case-study review in three settlement areas. There will also be some additional comparison of James Bay and Northern Quebec settlements.

Reference No: 12 410 408 (S)

563

Zellerer, Evelyn

School of Criminology

Simon Fraser University

Burnaby, BC V5A 1S6

Northern Women in Conflict with the Law

Subject: S

Region: FS

Location: Yellowknife, Fort Smith

Year of Research: 1992

The researcher will hold discussions with authorities in Yellowknife to help guide the research. Data will be collected from government documents, archival material, court records, and interviews.

Pre-sentence reports will be examined and women who are being held at the Fort Smith Correctional Centre for Women will be interviewed. In addition, correctional authorities and service providers will be interviewed.

Reference No: 12 410 398 (S)

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- 031** Glacier Air Pollution Study
- 032** Park Access in Baffin Island
- 033** Evolution of High Latitude Floras
- 036** Upper Palaeozoic Basin Analysis of Sverdrup Basin
- 039** Freezing History and Depositional Setting of Massive Ground Ice in the Canadian High Arctic
- 040** The Impact of Nunavut on the Community of Clyde River
- 041** Studies in Inuktitut Syntax
- 042** Grave Marker Replacement
- 046** Toxaphene in the Arctic: Atmospheric Delivery and Transformation in the Food Chain
- 047** The Role of Soil Algae in High Arctic Ecosystem Development
- 049** Ethnobotany of North Baffin Island Inuit: Native Knowledge of Plant Resources in Kangaqlugaapik, NWT
- 052** Sedimentology, Diagenesis and Economic Potential of Devonian Sediments in the Franklinian Miogeosyncline on Bathurst Island
- 053** Contaminants in Arctic Seabirds

- 054 National Survey of Contaminants in Waterfowl
- 055 Comparative Study of Oral and Written History in Igloolik, NWT
- 056 Evaluation of the Canada - NWT Cooperation Agreement for French and Aboriginal Languages in the NWT
- 067 Analysis of a Community-Initiated Alcohol in Cape Dorset
- 068 Land Rights in Canada and New Zealand
- 070 Factors Influencing Change in Inuit Shamanic Dress
- 071 Banding Program of the Eastern Arctic Tall Grass Prairie Population of Canada Geese
- 073 Banding of Thick-Billed Murres at Akpatok Island (Ungava Bay)
- 074 Silurian Trilobites of the Canadian Arctic
- 075 An Initial Test of Sediment Magnetic Susceptibility and its Paleolimnological Implications: Truelove Lowland, Devon Island, NWT
- 076 Field Studies of Ideas in Naturalness in Relation to Planning
- 080 Needs Assessment of Women with Disabilities in the NWT
- 081 Inuit Textiles Products in Broughton Island, NWT: A Cross-Cultural Case Study of Economic Development
- 091 Ice Scour Disturbances and Structure of Arctic Bottom Communities
- 095 Sea Ice Bio-Optics, Organobromine Fluxes and Ozone Depletion in the Arctic
- 103 Children's Friendship Through The School Years: A Non-Verbal Cross-Cultural Perspective
- 104 Late Cretaceous and Early Tertiary Fossil Fishes of the Eureka Sound Group
- 105 Polar Ecology Field Research
- 106 Inuit Traditional and Modern Leadership from the Shamans' Era to the Up-Coming Self-Government Period
- 107 An Assessment of the Environmental Impacts on Strathcona Sound from the Nanisivik Mine
- 111 Physical Limnology of Romulus Lake
- 112 Late Wisconsin (Late Foxe) Glacial Extent in Pangnirtung Fiord - Cumberland Sound Area, Baffin Island, Canada
- 113 Resource Utilization and Competition Among High Arctic Hydroporus Species (Coleoptera: Dytiscidae)
- 118 Upper Silurian Reef Mounds at the Douro-Devon Island Formational Boundary, Devon and Southwestern Ellesmere Islands

- 119 Shaping the Institution of Formal Schooling to the Needs of a Canadian Indigenous Community: A Case Study of the Inuit of Arctic Bay
- 126 Evaporation Studies at Northern Mine Sites
- 133 Magnetometer Array for Cusp and Cleft Studies (MACCS)
- 134 Past Glaciation, Landscape Evolution and Climatic Change in the Canadian High Arctic
- 135 Hydrology and Geochemistry of Terrestrial Drainage in the Expedition Fiord Region of Axel Heiberg Island, NWT
- 136 Speciation and Historical Biogeography of Collared Lemmings
- 138 Isozyme Variability of Lichens in Relation to Latitude
- 144 South Baffin Caribou Population Study
- 145 International Conservation Strategy for the Endangered Bowhead Whale of Baffin Bay
- 147 Archaeology of the Frobisher Voyages IV
- 155 Precambrian Shield of the Boothia Uplift
- 157 Early Quaternary and Late Tertiary Geology and Geomorphology, Arctic Islands
- 158 Holocene Paleoecology of the Central Canadian Arctic Islands
- 161 An Algorithm for Estimating Aerial Snow Water Equivalent in the NWT Using Passive Microwave Data
- 162 Methods Development of Acute Toxicity Testing Using Marine Invertebrates from the Canadian Arctic
- 165 Breeding Ecology of Greater Snow Geese
- 167 Glacimarine Sedimentation in Canon Fiord, Ellesmere Island
- 168 Fall Migration of Greater Snow Goose
- 169 Perceptions of Work Satisfaction and Social Support of Registered Nurses Employed in Underpopulated Regions
- 171 Television, Aboriginal Ways of Knowing and the Health of Planet Earth
- 175 An Investigation Into the Effects of Principal Succession in Schools in the NWT
- 176 Environmental Physiology of Marine Invertebrates
- 178 Ethology of Arctic Birds
- 179 Ethology of Arctic Mammals

- 180 Quaternary Studies on the Northern Quebec Coast and Offshore Islands in the Hudson Strait, Northeastern Canada
- 181 Shallow Water Benthic Fish Communities of Resolute Bay
- 182 The Historical Record of Persistent Organic Pollutants and Trace Metals in Glacial Snow and Ice
- 183 Processes and Fluxes of Contaminants in Aquatic Systems
- 184 Current Contaminant Deposition Measurements in Precipitation Throughout the NWT
- 185 Operation Bouguer 92: Collection of Gravity Data
- 188 Crime, Law and Justice Among Inuit in the Baffin Region, NWT
- 190 The Quaternary History of Scoresby Bay, Ellesmere Island
- 200 A Determination of Factors Influencing the Health, Knowledge, Skills, Attitudes and Behaviours of Children and Youth in the NWT
- 201 Cultural Resources at Three Abandoned Naval Bases
- 204 Biostratigraphy of a Tertiary Vertebrate Locality on Strathcona Fiord
- 205 Geology and Structure of Prince Patrick and Adjacent Islands
- 206 Geology of Bathurst, Prince Patrick and Adjacent Islands
- 207 Geology of Vendom Fiord and Strathcona Fiord Map Areas, Ellesmere Island
- 220 Genetic Diversity in Arctic Zooplankton and Ecological Factors Limiting Zooplankton Distributions
- 222 Central High Arctic Archaeological Project
- 226 Effects of Predicted Climate Change on High Arctic Plants
- 228 Media Pedagogy and Inuit High School Students in Iqaluit
- 230 Preliminary Investigation of Basic Chemical Conditions of Water and Fish from Kasegalik Lake
- 231 Investigations of Presence and Concentration of Chlorinated Organic Industrial Compounds and Pesticides in Lake Sediment and Fish from Lakes of the Belcher Islands
- 232 Hydrology of Snow-Filled Arctic Stream Valleys
- 236 Ice-Rock-Water Interactions on Southwestern Bylot Island
- 239 Palynology, Stratigraphy and Sedimentology of the Hassel Bastion Ridge Strand Fiord, Kanguk and basal Eureka Sound Group in the Sverdrup Basin, Canadian Arctic Archipelago
- 240 Palynology, Stratigraphy and Sedimentology of the Christopher, the Hassel Bastion Ridge Strand Fiord and the Kanguk Formations on Amund Ringnes and Axel Heiberg Islands

- 243 Precambrian Paleontology, Belcher Supergroup, Belcher Islands, NWT
- 244 Geology of Martin Frobisher's Gold Mines
- 246 Effect of UV Light on Bacterial Growth Rates in Lakes and Ponds in the Canadian High Arctic
- 248 Biology of Ringed Seals and the Impact of Ice-Breaking Traffic on Ringed Seal Biology and Behaviour
- 250 Bedrock Studies in the Ege Bay and Adjacent Area, West-Central Baffin Island
- 251 Mesoscale Climates and Paleoclimates of the Baffin Island Region
- 263 Carbonate Sedimentation in the Mesoproterozoic Bylot Supergroup (Baffin Island, NWT) and its Influence on Microbialite Microstructure
- 265 INSTAAR Geological Fieldwork 1992, NWT
- 266 Under-Ice Behaviour of Ringed Seals
- 267 Early Polar Cap Observations
- 269 Large-Scale Ice Fracture Experiments: Phase 2
- 275 Paleoenvironment of the Truelove Lowland Area, Devon Island, NWT
- 277 History of Inuit Land Use in Cumberland Sound, Baffin Island (NWT)
- 278 Latitudinal Patterns of Organochlorine Contamination in Zooplankton
- 279 Ice Core Analysis and Glacier Mass Balance
- 283 Project Torngat: Bedrock Geological Mapping
- 287 Mechanisms Mediating Freezing Tolerance in Arctic Insects
- 288 Aboriginal Self-Government in Canada's NWT
- 290 Meta Incognita-Archaeology of the Frobisher Voyages
- 293 Ecological Security in the Context of the Canadian Arctic
- 298 The Application of Landsat Imagery to Map Surficial Deposits on Akpatok Island
- 304 Silurian Graptolites of the Arctic Islands
- 305 Determination of Fossil Plant DNA Sequences and Comparison with Contemporary Homologous Sequences
- 306 Cape Dorset Women Artists
- 309 Limnological Survey of Ikalliarvik Lake

- 310 Impact of Climatic Change on Earth Surface Processes, Fosheim Peninsula, Ellesmere Island
- 315 Stratigraphy of Early Palaeozoic Sequences on Devon Island
- 316 Clastic-Carbonate Transitions in Lower Cambrian Strata of Ellesmere Island, Arctic Archipelago
- 317 Transition Era History of Apex-Iqaluit, NWT: 1942 to 1963
- 319 Phylogenetics of Omphalina (Basidiomycotina, Agaricales) and the Evolution of Lichenization
- 322 Inuit Astronomy and Cosmology
- 323 Thematic Annotation of the 1821-1823 Journals of W.E. Parry and Related Texts
- 326 Marine Geological and Geophysical Studies in Hudson Strait and Ungava Bay During 1993
- 329 Acquisition of Affixes and Stranding in Young Inuit Children
- 330 Use of Fossil Plants and Shells to Infer Past Climate
- 336 Comparative Osteology and Wildlife Specimen Collection
- 339 Ethnographic Study of the Psychological and Medical Impact of Modernization on Baffin Island Inuit
- 341 Decoding Iconography
- 342 The Environmental and Cultural Heritage of Lake Harbour
- 344 Behavioural Ecology of an Arctic Wolf Pack
- 346 Paleontological Collecting and Stratigraphic Studies, Cornwallis and Ellesmere Islands
- 348 The Place of Arts and Crafts in the Social and Economic Life of Northern Communities
- 349 Economic and Cultural Importance of Sewing Activities in the Inuit Household
- 350 Peary Caribou Conservation
- 351 Late Quaternary Glacial and Climate History on Baffin Island, NWT
- 352 Application of ERS-1 Radar Data to the Study of the White-Thompson Glacier Complex, Axel Heiberg Island, NWT
- 353 Behavioral Ecology of High Arctic Birds
- 354 Song Dialects of Lapland Longspurs and Female Reproductive Strategies in Arctic Birds
- 357 The Origins and Implications of Tabular Massive Ground Ice
- 358 Insect Parasitoids of High Arctic Woolly-Bear Caterpillars
- 359 Co-Management of Wildlife in Northern National Parks: A Regional Perspective

- 362 Migration, Ecophysiology and Energetics of Shorebirds at Alert, Ellesmere Island
- 364 Acquisition of English by Inuktitut Speaking Children
- 365 Tectonomagmatic Evolution of the Sverdrup Basin, Canadian Arctic Archipelago
- 367 Studies of the Polar Ionosphere with an Imaging Riometer
- 369 Architecture and Construction Technique in the North
- 371 Tokyo Sea Life Park Collection, 1992
- 372 Middle Proterozoic Reefs on Northern Baffin Island
- 373 Designing Guidelines for Antarctic Buildings
- 379 Geography, Ecology and Polar Medicine
- 382 Aboriginal Natural Resource Management in Canada
- 383 Syntactic Structures in Inuktitut
- 384 Factors Influencing Changes in Decisions Made While Producing Inuit Clothing
- 385 Domestic Economy on Baffin Island
- 389 Conjugal Violence and the Inuit of Baffin Island, NWT
- 390 Foxe Basin Walrus Hunt Monitoring
- 392 Eastern Arctic Climate of the Past 2000 Years: The Varved Lake Sediment Record
- 393 NWT Injury Research and Prevention Fund
- 395 The Tutelage of Crime: Dependency and Deviance in Iqaluit, NWT
- 399 New Music Styles Among Inuit
- 406 The Nature and Origin of Ground Ice in the High Arctic and Icing as a Hydrologic Component of Northern Drainage Basins
- 412 Local Political Power in Igloolik After the Nunavut Agreement
- 413 Cambrian Sedimentology and Paleontology
- 415 Determination of the Spatial and Temporal Structure of the Compression of Wave Speed and Attenuation in Sea Ice
- 416 Telazol and Contaminant Research Project on Polar Bears
- 417 Ethnozoology of the Iglulingmiut
- 418 Assessment of the Tugaat River Char Run

- 419 Breeding Ecology of Greater Snow Geese on Bylot Island
- 421 State of the Environment Reporting for Northern Canada
- 422 Evaluation of Community-Based Tourism Development in Pangnirtung, NWT
- 423 Spatial Variation and Scale in Terrestrial and Marine Inorganic and Organic Substance Distributions
- 424 Environmental Study of Abandoned DEW Line Sites in the NWT
- 427 Processes and Sediments in Retreating Tidewater Glaciers, Southern Baffin Island
- 428 Paleoclimatic Significance of Laminated Lake Sediments from the Canadian High Arctic
- 429 North Water Beluga Survey
- 432 Heritage Training Needs Analysis
- 433 Biology, Ecology and Cold Tolerance of Arctic Insects
- 434 A Comparative Study of Parental and Anti-Predator Behaviour of Plovers
- 435 Trophic Dynamics of the Microbial Community in Cold Ocean Environments
- 437 The Chemical and Physical Limnology of Truelove Lowland, Devon Island
- 438 Geophysical Mapping of Buried Massive Ground Ice, Fosheim Peninsula, Ellesmere Island
- 439 Health and Fitness: A Comparative Study of Canadian Inuit and Siberian Avenki
- 440 The Joint Management of National Parks: A Means of Settling Native Land Claims in Canada?
- 446 Igloodik Archaeology Field School
- 447 Igloodik Archaeology Field School
- 448 Archaeological Survey of Cape McLoughlin
- 449 Nation-Wide Investigation of Aboriginal Peoples' Issues
- 451 Grammar of West Greenlandic
- 452 Park-Aboriginal Relations in Canada's North
- 455 Holocene Bowhead Whale (*Balaena mysticetus*) Skeletal Morphometrics and Taphonomy in the Eastern Canadian Arctic
- 456 Archaeology of King William Island
- 457 Morphometric Measurements of Beluga and Bowhead Whale Skulls
- 460 Reconnaissance Geochronology of Southern Baffin Island

- 461 Body Language: Non-Verbal Communication Among the Inuit of Northern Canada
- 462 Long Term Fate of Oil on an Arctic Beach
- 464 Monitoring Abundance of Small Mammals
- 467 Literacy in Igloolik
- 468 Geographic Distribution, Physiological Adaptations, Systematics and Ecology of Stream Macroalgae in North America
- 470 Geoscientific Research on Bylot Island and Adjacent Baffin Island
- 471 Exploratory Fishing in Inshore and Midshore Waters in the Vicinity of Broughton Island
- 513 Riverine Inputs of Contaminants to the Arctic Ocean
- 526 Meeting the Information Needs of Inuit Regarding Contaminants
- 527 Holocene Paleolimnology of a High Arctic Lake, Truelove Lowland, Devon Island
- 529 Identification and Sharing of Exemplary Programs and Processes in Circumpolar Education
- 531 Limnology and Algal Ecology of Bylot Island
- 534 Crime in Arctic Communities
- 535 Atmospheric Transport of Organic Contaminants
- 537 Multiyear Study of High Arctic Periglacial Processes and Related Quaternary History
- 538 Preliminary Site Investigations for the Design and Cost Estimating of the Clean-up Protocol of DEW Line Sites
- 540 Monitoring of the Penny Ice Cap, Ellesmere Island
- 541 Weber-Malakhov North Pole Round Trip Expedition 1992
- 549 Productivity of Marine Mammal Food Chains in the Northwest Passage
- 550 Arctic Dreams: Tourism as a Local Economic Development Strategy in Baffin Region Communities
- 551 Mapping of a Thule Inuit Settlement at Mount Oliver
- 553 NWT Injury Research and Prevention Project
- 557 Interspecific Hybridization Between Arctic Char and Lake Trout
- 560 Paleolimnology and Sedimentology of Lakes on the Unglaciaded Terrain of Fosheim Peninsula, Ellesmere Island
- 561 Hydrological Modelling for a Permafrost Site and Arctic Snow Accumulation and Melt

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- 012 Camsell/Marion River Heritage Resource Inventory
- 013 Fort Smith Bishop's Residence
- 014 Snare Lakes
- 015 Camsell/Marian River Heritage Resource Inventory
- 016 Snare Lake Airport
- 026 Getting Old and Getting Good Housing
- 045 The Effects of the Ionospheric Auroral Zone on the Propagation of Very Low Frequency VLF/LF and HF Radio Waves
- 048 Royal Society Evaluation of Aquatic Science in the Mackenzie Basin
- 050 Division of the NWT
- 056 Evaluation of the Canada - NWT Cooperation Agreement for French and Aboriginal Languages in the NWT
- 063 The Implications of Climate Change for Fish and Wildlife Resources in the Mackenzie Basin
- 066 Study of Epiclastic and Volcaniclastic Sedimentary Rocks of the Yellowknife Supergroup
- 068 Land Rights in Canada and New Zealand
- 079 Dietary Study of the Yellowknives Dene Band: Yellowknife Back Bay Project
- 080 Needs Assessment of Women with Disabilities in the NWT
- 088 Mackenzie Basin Impact Study: Land Assessment
- 092 The Radiologic Incidence of Spondylolysis and Spondylolisthesis in the Canadian Inuit
- 097 Environmental Study of the Aquatic Resources of the Lac de Gras Area
- 098 Environmental Study of the Aquatic Resources of the Thoonokeid Lake Area
- 099 Human Resource Profile and Plan for the Salt River First Nation
- 100 Mental Health Services Study for the South Slave Region
- 101 Perspective on Mental Health and Illness by Selected Dogrib Women Patients
- 106 Inuit Traditional and Modern Leadership from the Shamans' Era to the Up-Coming Self-Government Period
- 126 Evaporation Studies at Northern Mine Sites

- 128 Organochlorine and Heavy Metal Contaminants in Fish Eating Furbearers
- 131 The Origins, Development and Future of World Heritage Sites in Canada
- 132 Mosquito Baseline Study for the City of Yellowknife
- 137 Influence of the Slave River on Great Slave Lake
- 139 Geochemical Study of Graphitic Pegmatite Dikes and Associated Gneisses near Ghost Lake, District of Mackenzie, NWT
- 140 A Study of Metamorphism Near Ghost Lake, NWT
- 146 Congener Patterns of Contaminants in Fish and Sediments of the Mackenzie River Basin
- 159 A Northern Forest Ecosystem Simulation Model of Early Post-Fire Tree Seedling Establishment, Growth and Competition
- 160 Modelling the Establishment and Growth of Post-Fire Tree Seedlings
- 162 Methods Development of Acute Toxicity Testing Using Marine Invertebrates from the Canadian Arctic
- 164 Summer Forage Selection Strategies of Bison
- 175 An Investigation Into The Effects of Principal succession In Schools In The NWT
- 184 Current Contaminant Deposition Measurements in Precipitation Throughout the NWT
- 189 Granitic Pegmatite of the Canadian Cordillera
- 191 The Hydrogeology and Deposition of Rabbitkettle Hotsprings and Tufa Mounds, Nahanni National Park, NWT
- 200 A Determination of Factors Influencing the Health, Knowledge, Skills, Attitudes and Behaviours of Children and Youth in the NWT
- 202 Twin Falls Territorial Park Development
- 208 Tuktoyaktuk Traditional Knowledge Project
- 235 Freezeup and Breakup Observations on the Mackenzie River near Fort Providence
- 241 Aboriginal People and Tourism in Northern Canada
- 254 A Case Study of Grade 12 Native Students in an NWT High School
- 257 Paleobiology of Reef Faunas in Middle-Upper Devonian Strata in the Hay River Area
- 258 Geology and Mineral Potential of the Camsell Lake Area
- 259 Geology and Mineral Potential of the Southern MacKay Lake Area

261	Use of Ground Penetrating Radar to Assess Subsurface Sediments in the Fort Smith, Slave, Hay River and Liard Deltas
271	Quaternary Geology of the Winter Lake Map (NTS 86A)
276	Geological Mapping, Sheet 76/D - Paul Lake
280	Destitution, Disease and Death in the NWT During 1900-1960: An Historical Social Study
282	Analysis of GPS Satellite Signals in the Canadian Arctic
288	Aboriginal Self-Government in Canada's NWT
294	Live-Trapping of Small Mammals in the Sub-Niven Environment
295	Small and Large Mammal Radio Telemetry Course
302	Dene Traditional Government
308	Pressure Group Politics, Health Care Policy and the Legislative Assembly of the NWT
311	Review and Assessment of the Chevron/Fort Good Hope Joint Venture Experiences and the Application of this Assessment to Future Hydrocarbon Development
328	Forest Fire Research
333	Development of a Native Cultural Component for the Treatment of Alcohol and Drug Problems in the NWT
338	Identification of Content and Structure Requirements for a Nursing Diploma Program in the Yukon Territory and the NWT
343	A History of Adult Education in the Kitikmeot Region
359	Co-Management of Wildlife in Northern National Parks: A Regional Perspective
363	Impact of Fire and Climate Change on a Boreal Lake
368	Finding a Gene for Bardet-Biedl Syndrome
369	Architecture and Construction Technique in the North
374	Community Adjustment to Extreme Geophysical Phenomena in Northern Canada
375	Needs and Services Assessment for Disabled Persons in Fort Smith
376	Stability of the Arctic Treeline: A Test for the Greenhouse Effect
382	Aboriginal Natural Resource Management in Canada
385	Domestic Economy on Baffin Island
386	Raptor and Shorebird Surveys

391	Testing the Allometric Theory of the Self-Thinning Rule
393	NWT Injury Research and Prevention Project
394	The Museum Message: Its Construction and Presentation
395	The Tutelage of Crime: Dependency and Deviance in Iqaluit, NWT
408	Wolverine Carcass Assessment
409	Lynx and Marten Carcasses Collection
410	Mackenzie Bison Sanctuary Lynx Study
421	State of the Environment Reporting for Northern Canada
424	Environmental Study of Abandoned DEW Line Sites in the NWT
431	The Public Expression of Environmental Values: A Case Study of the Alberta Pacific Review Board Hearings, November 1989 to March 1990
432	Heritage Training Needs Analysis
436	Co-Management: Northern Experience with Implications for Future Directions in Resource Planning and Management
445	Data Base: Environmental Organizations of the NWT
449	Nation-Wide Investigation of Aboriginal Peoples' Issues
450	Traditional Dene Medicine in Use in the Dogrib Area
454	The Role of Scientific Information in the Environmental Assessment Process
469	Northern River Ice Regimes
513	Riverine Inputs of Contaminants in the Arctic Ocean
516	Digital Database of Vegetation Types of the Mackenzie Valley Development Corridor
532	Cooperative US/Canada Waterfowl Population Survey
535	Atmospheric Transport of Organic Contaminants
536	Quaternary Geology of the Lac de Gras and Aylmer Lake Areas
538	Preliminary Site Investigations for the Design and Cost Estimating of the Clean-up Protocol of DEW Line Sites
542	Conflicting Paradigms of Elder-Care in the NWT, with Particular Reference to Special-Needs Housing of the Elderly
543	Development and Impacts of Social Administration in the Territorial Norths

- 547 Fire, Carbon Budget and Climate Change
- 553 NWT Injury Research and Prevention Project
- 554 NWT Fieldwork 1992: Geological Survey
- 555 Ecological Factors that Influence Population Dynamics of Wolves
- 556 Wildlife Management Studies on the Beverly Caribou Herd
- 558 Genetics and Postglacial Dispersal of Lake Trout (*Salvelinus namaycush*) and Arctic Charr (*S. alpinus*) in the Western Arctic
- 563 Northern Women in Conflict with the Law

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- 002 Impacts of Climate Change Upon the Community of Aklavik, NWT
- 003 Grasses of the NWT
- 008 Animal Rights vs. Aboriginal Rights: The Impact of the Anti-Fur Trapping Lobby on the Dene Economy in the NWT
- 009 Dene Subsistence Practices in the Canadian Subarctic: Long-term Sustainability or Short-term Exploitation?
- 010 NOGAP Archaeology Project
- 011 A Study of Gwich'in Place Names in the Gwich'in Settlement Area
- 017 The Role of Predation in Nesting Success of Black Brant and Lesser Snow Geese
- 018 Role of Predation on Nesting Success of Black Brant and Lesser Snow Geese
- 027 Broad Whitefish Tagging Project
- 028 Banks Island Fish Population/Charr Genetic Variation Project
- 034 Post-Settlement Native Land Management and its Social Effects
- 037 Traditional Music and Games of the Athapaskan Peoples
- 038 Contaminant Analyses for Wildlife Food Sources in the Inuvialuit Settlement Region
- 048 Royal Society Evaluation of Aquatic Science in the Mackenzie Basin
- 051 Decentralization and Self-Government as the Premise and Cause of Activating the Social Life of the Community
- 056 Evaluation of the Canada - NWT Cooperation Agreement for French and Aboriginal Languages in the NWT

- 057 Arctic Timberline Ecology
- 058 Harvested Waterfowl of the Central Arctic
- 060 Contemporary Lateral Channel Behaviour Along the Lower Reaches of Tributaries to the Mackenzie River - Fort Simpson to Norman Wells
- 061 Contemporary Channel Characteristics and Behaviour Along the Lower Reaches of Major Tributaries of the Mackenzie River (from Norman Wells to the Mackenzie Delta)
- 062 Reconnaissance of the East Channel of the Mackenzie Delta
- 063 The Implications of Climate Change for Fish and Wildlife Resources in the Mackenzie Basin
- 064 Investigation of Ground Ice Development in Sediments of the Mackenzie Delta
- 065 Spatial Variation in the Isotopic Composition of Snowpack in the Mackenzie Delta Area
- 068 Land Rights in Canada and New Zealand
- 072 Radio Tagging of Broad Whitefish (*Coregonus nasus*) on the Arctic Red River
- 077 Hydroacoustic Survey of Migratory Coregonids in the Arctic Red River
- 078 Turbot Fishery Exploratory
- 080 Needs Assessment of Women with Disabilities in the NWT
- 082 Grizzly Bear Productivity and Cub Survival
- 083 Grizzly Bear Habitat Comparison Within the Inuvialuit Settlement Area
- 084 Grizzly Bear Population Estimate
- 088 Mackenzie Basin Impact Study: Land Assessment
- 092 The Radiologic Incidence of Spondylolysis and Spondylolisthesis in the Canadian Inuit
- 093 Assessment of Potential Masking of Marine Mammal Sounds by Ship Noise
- 094 Responses of Marine Mammals to Vessel Noise
- 102 Mitochondrial DNA Diversity in High-Arctic Populations of *Daphnia pulex*
- 108 Monitoring the Mackenzie Delta Exploratory Fishery
- 109 Mackenzie Delta Permafrost/Geology Transect
- 110 Ground Ice Studies of the Tuktoyaktuk Coastlands
- 114 Western Arctic Women Artists
- 115 Beaufort Sea Oily Waste Disposal Sites

- 116 Stratigraphy and Sedimentology of Carboniferous to Triassic Strata
- 117 Sea Duck Monitoring Program at Victoria Island
- 120 Preparation of a Management Plan for the Pingos Canadian Landmark
- 123 Permafrost Adjustment to Coastal and Deltaic Processes: Beaufort Sea and Mackenzie Delta, NWT
- 124 Implications of Climate Change for Slope Stability in the Mackenzie Valley
- 127 Periglacial Processes: Investigation of Slope Processes
- 128 Organochlorine and Heavy Metal Contaminants in Fish Eating Furbearers
- 141 Mackenzie Delta Channel Cross Sections Taken During the 1992 Summer
- 142 East Channel (Mackenzie Delta) Scour Hole Investigations
- 143 Western Arctic Area Stream Inventory and Assessment
- 146 Congener Patterns of Contaminants in Fish and Sediments of the Mackenzie River Basin
- 151 Population Dynamics of Muskoxen and Caribou on Banks Island
- 152 Bluenose Caribou Population Dynamics
- 153 The Broad Whitefish Traditional Ecological Knowledge Study
- 154 Pleistocene Sand Wedges and Thermal Contraction Cracks on Richards Island
- 160 Modelling the Establishment and Growth of Post-Fire Tree Seedlings
- 161 An Algorithm for Estimating Aerial Snow Water Equivalent in the NWT Using Passive Microwave Data
- 162 Methods Development of Acute Toxicity Testing Using Marine Invertebrates from the Canadian Arctic
- 172 Applied Geophysical/Geotechnical Research in Permafrost
- 173 Surface Shear Wave Seismic Profiling and Drilling
- 175 An Investigation Into The Effects of Principal succession In Schools In The NWT
- 177 Use of Landsat Imagery to Determine Important Breeding and Staging Areas for Shorebirds.
- 184 Current Contaminant Deposition Measurements in Precipitation Throughout the NWT
- 185 Operation Bouguer 92: Collection of Gravity Data
- 199 Pingo and Allied Ground Ice, Contemporary and in the Geological Record

- 200 A Determination of Factors Influencing the Health, Knowledge, Skills, Attitudes and Behaviours of Children and Youth in the NWT
- 208 Tuktoyaktuk Traditional Knowledge Project
- 209 Monitoring of Domestic Charr Harvests at Big Fish River, NWT
- 210 Estimation of the Size of the Dolly Varden Charr Run at Big Fish River, NWT
- 211 Monitoring Arctic Charr Caught in Domestic Fishery by Residents of Paulatuk at the Hornaday River, NWT in 1992
- 214 Monitoring Ringed Seals of Domestic Harvests at Sachs Harbour and Holman, NWT in 1992
- 215 Monitoring Dolly Varden Charr Taken in Domestic Fishery by Residents of Aklavik, NWT
- 216 Distribution, Movements and Relative Abundance of Dolly Varden Charr at the Big Fish River, NWT
- 217 Monitoring Arctic Charr Caught in Domestic Fishery by Residents of Paulatuk at the Hornaday River, NWT, 1993
- 218 Monitoring Ringed Seals in Domestic Harvests at Sachs Harbour, Paulatuk and Holman, NWT, in 1993
- 219 Nesting-Bird Habitat Relationships on the Yukon Coastal Plain: A Program to Establish Initial Relationships and Populations (April 1992 to March 1994)
- 221 Distribution, Systematics and Genetic Structure of Western Arctic Zooplankton Species
- 227 Changes in Plant Communities from Subarctic Forest to Tundra
- 229 Coastal Retreat and Shoreface Dynamics on the Tuktoyaktuk Peninsula
- 234 Nuisance Bear Activity and Management at the Inuvik Waste Site
- 237 Sedimentation in the Mackenzie Delta and Beaufort Sea Coast
- 238 Coastal Evolution in the Mackenzie Delta and Tuktoyaktuk Peninsula Region
- 242 Distribution, Abundance, Productivity, Survival and Habitat of White-Fronted Geese, Canada Geese, Pacific Brant and Tundra Swans in the Inuvialuit Region
- 252 Hydrologic, Hydraulic and Sediment-Related Aspects of Northern Hydrocarbon Development
- 253 Palynological Studies in the Mackenzie Observatory
- 255 Genetic Population Structuring of Mackenzie River Broad Whitefish
- 262 Arctic Interests and Ethnic Conflicts
- 272 Studies of the Environmental Effects of Disturbances in the Subarctic (SEEDS)

273	Ecological and Geomorphological Investigations in the Alpine Tundra of the Western Mackenzie Mountains
285	Lemming Population Fluctuations in the Western Arctic
286	Campbell Lake Park Oral History Project
288	Aboriginal Self-Government in Canada's NWT
289	Wildlife Monitoring to Assess Impacts of Pipeline Development
291	Climatic change at the Forest-Tundra Boundary
292	Structural and Stratigraphic Analysis of the Northern Yukon and Beaufort-Mackenzie Region
293	Ecological Security in the Context of the Canadian Arctic
296	Banks Island Range Study
297	Wildlife Response to Forest Fire Burns in the Mackenzie Valley
299	Excavation of the Qugyuk site on Harrowby Bay
303	Survey of Inuvialuit Heritage Sites Located Within the Mackenzie Delta Region
307	Biogeochemistry of Lakes in the Mackenzie Delta
311	Review and Assessment of the Chevron/Fort Good Hope Joint Venture Experiences and the Application of this Assessment to Future Hydrocarbon Development
312	Bathymetry of Lac Belot
313	Atmospheric Contaminant Inputs to and Impacts on Lac Belot
314	Wildlife Key Habitat Mapping - Richardson Mountains
320	Postglacial Treeline Change in the Mackenzie-Selwyn Mountains
321	Post-Glacial Treeline Change in the Campbell-Dolomite Uplands of the Inuvik Area
324	Beaufort Sea Oceanography
325	Permafrost Studies: Western Arctic Coast
327	Population Size and composition of Moose in Fort Norman Area
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