5.R. 198**5** 

# Index of Licenced Research Northwest Territories 1984

Science Advisor
P.o. Box 1617
Government of the Northwest Territories

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# INTRODUCTION

This year for the first time the index includes not only licences issued under the Scientist's Ordinance, but also licences issued under the Wildlife Ordinance by the Department of Renewable Resources and licences issued by the Director of the Prince of Wales Northern Heritage Centre under the provisions of the N.W.T. Act dealing with archaeology.

During the 1984 calendar year 136 licences to carry out scientific research were issued to scientists. Eighty-one 1984 licences were issued to scientists directly affiliated with educational institutions. Of these 81 licences, 67 were issued to scientists from Canadian universities, 9 to scientists from U.S. universities, and 5 to scientists from other foreign universities. Of the 67 licences granted to scientists from Canadian universities:

Ontario received					٠	٠	25
Alberta received						•	22
Manitoba received							8
Quebec received						٠	6
Saskatchewan received							2
New Brunswick received	I						2
British Columbia recei	٧	e	đ			٠	1
Newfoundland received							1

The index of licenced research gives the following information on each project: licence number, name and address of affiliation of licensee, objective of the research and its location.

It should be noted that investigators are obligated by the Ordinance to supply a report to the Commissioner within a stated time. These reports are available on application in Yellowknife.

Dan Billing, Science Advisor.

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SCIENTIFIC RESEARCH LICENCES	
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# BIOLOGICAL RESEARCH

#### Licence Number

4123

Licensee:

Dr. Richard A. Ring

Department of Biology University of Victoria

P.O. Box 1700 Victoria, B.C.

V8W 2Y2

Objective:

A continuation of a study on the

freezing tolerance of Arctic insects.

Samples will be collected for comparison to southern species.

Location:

Tuktoyaktuk Peninsula and Inuvik area

4121

Licensee:

Dr. Rolph A. Davis

LGL Limited

Environmental Research Associates Suite 414, 44 Eglinton Ave. West

Toronto, Untario

M4R 1A1

Objective:

A study to evaluate whether bowhead whales are affected by offshore oil exploration in the Canadian Beaufort

Sea.

Location:

The Canadian Beaufort Sea from Alaskan/Yukon border  $141^{\circ}$ W to Cape Bathurst, N.W.T. -  $127^{\circ}$ W and from the shore north to  $72^{\circ}$ N.

4118

Licensee:

Ms. Lois Harwood

ESL Environmental Sciences Ltd.

2035 Mills Road

R.R. #2 Sidney, B.C. V8L 3S1

Objective:

To monitor the relative abundance and distribution of bowhead whales relative to oil and gas industry

activities.

Location:

Beaufort Sea area - 1410W longitude in the west, to Cape Bathurst in

the east.

4117 Licensee:

David J. Rugh

Wildlife Biologist

National Marine Mammal Laboratory 7600 Sand Point Way NE Bldg. 32

Seattle, Washington

U.S.A. 98115

Objective:

To collect photographs of bowhead

whales which, through stereophotogrammetric techniques, will provide lenght measurements

of these animals allowing for a better

assessment of stock stability.

Location:

Tuktoyaktuk and DEW Line sites.

4115

Licensee:

Dr. Tuomo Niemela Department of Botany

University of Helsinki

Unioninkatu 44

00170 Helsinki 17, Finland

Objective:

Mapping of the local mycoflora. Collecting fungi and seed material

of (mainly) trees.

A study of migratory birds.

Location:

Inuvik and Yellowknife.

4113

Licensee:

Pamela Norton

PN Research Projects

P.O. Box 2296 Sidney, B.C. V8L 3S8

Objective:

To examine white whale use of offshore areas during and after the period of "peak" numbers; to document whale distribution and abundance; to record movements and feeding; to determine percent calves in the population and to compare white whale distribution with major oceanographic features depicted in satellite imagery and with

industrial activities.

Location:

Southeastern Beaufort Sea - shore to pack ice edge approx. 72 N 127 W to

141 W longitude.

4108 <u>Licensee</u>: Professor A. Rogosin

Botany Department Faculty of Science Brandon University Brandon, Manitoba

R7A 6A9

Objective: To collect plant specimens which will

be deposited in the herbarium of the Botany Department of Brandon University.

Location: Clearwater Fjord and Arctic Bay, Baffin

Island and possibly Eskimo Point and

the Mackenzie Delta.

4105 <u>Licensee</u>: Erwin Streisinger

232 Elmwood Avenue Maplewood, N.J. U.S.A. 07040

Objective: To gather data on the flora and fauna

along the northern edge of Boothia Peninsula, along Bellot Strait for future data correlation of species

gathered in other areas.

Location: Northern edge of Boothia Peninsula,

along Bellot Strait.

4098 Licensee: Dr. D. Bruce Stewart

Arctic Resource Assessment Section

Freshwater Institute 501 University Crescent Winnipeg, Manitoba

R3T 2N6

Objective: To conduct an aquatic resource survey

to gather, update and compile information on fish resources and human usage of those resources. Fish will be collected and samples of water, benthic and planktonic organisms and shoreline vegetation will also be

collected for analysis.

Location: Baffin Island south of 68<sup>o</sup>N and west

of Cumberland Sound and Nottingham and

Prince Charles Islands.

4097 Professor John M. Green Licensee: Department of Biology and MSRL Memorial University St. John's, Newfoundland A1B 3X9 Objective: To further investigate the abundance and distribution patterns of benthic fishes to provide a better basis for understanding variations in the foraging behaviour and reproductive success of the black guillemots. Location: Nuvuk Island (62 23'N, 78 02'W) 4094

Licensee: Dr. John B. Sprague
Department of Zoology
College of Biological Science
University of Guelph
Guelph, Ontario
N1G 2W1

Objective:

To collect samples of common amphipod crustaceans, microscopic crustaceans, and algae in order to measure their

cadmium content.

Location:

Resolute and Pond Inlet.

4092 Licensee:

Dr. T.C. Hutchinson
Department of Botany
University of Toronto
Toronto, Ontario

M5S 1A1

Objective:

To continue studies of the Smoking Hills into the nature of the adaptations by which aquatic biota and tundra plants survive the intense acidic fumigations

from the burning cliffs.

Location:

Smoking Hills area of Cape Bathurst

and Tuktoyaktuk.

4091

Licensee:

Mr. Graham Seagel

Manager, Environmental Division Reid Crowther & Partners Ltd. 200 - 260 West Esplanade North Vancouver, B.C.

V7M 3G7

Objective:

A study to characterize aquatic environments potentially affected by tailings decant effluent, assess their sensitivity to project influences and develop baseline data for future monitoring purposes. Water, sediment and benthic invertebrate samples will be collected for analysis. Fish will be captured for tagging and to obtain tissue samples for metal analysis.

Location:

Lupin Mine vicinity on Contwoyto Lake.

4089

Licensee:

Dr. Dietbert Thannheiser Institut fur Geographie

Universitat Hamburg

Bundesstr. 55

D - 2000 HAMBURG 13 Fed. Rep. of Germany

Objective:

To study plant communities and their distribution patterns as a follow-up

to previous studies.

Location:

Hadley Bay, Cambridge Bay area.

4086

Licensee:

Dr. Richard D. Revel

Faculty of Environmental Design

University of Calgary 2500 University Drive N.W.

Calgary, Alberta

T2N 1N4

Objective:

A study to document varieties of seeds used in vegetable gardening and methods

used in order to promote northern

gardening.

Location:

Yellowknife and Inuvik.

4085

Licensee:

Dr. M.C. Lewis

Department of Biology York University Faculty of Science 4700 Keele Street Downsview, Ontario

M3J 1P3

Objective:

To complete studies begun in 1976 of plant species and vegetational communities and to undertake field studies to investigate sex ratios of arctic willows in relation to habitat, as there appears to be a predominance

of female plants in many habitats.

Location:

Igloolik and Sarcpa Lake.

4081

Licensee:

Kevin P. Timoney

c/o Boreal Institute for Northern Studies

The University of Alberta

CW 401 Biological Sciences Bldg.

Edmonton, Alberta

T6G 2E9

Objective:

Field sampling coupled with air photo interpretation are used to describe vegetation zonation. Objectives include: (a) a delimitation of the subarctic forest-tundra ecotone; (b) geographic variation in the vegetation, sorts, species ranges, and width and position of the forest-tundra.

Location:

Salmita Mine, Courageous Lake, Coppermine River, Kendall River, Dismal Lakes, Horton

Lake, Horton River, Tuktoyaktuk.

4079

Licensee:

Peter G. Ion

c/o Boreal Institute for Northern Studies

The University of Alberta

CW 401 Biological Sciences Building

Edmonton, Alberta

T6G 2E9

Objective:

The study will involve the continuous monitoring of one high elevation permanent snowpatch and adjacent snow-free areas to assess their role in habitat selection in woodland caribou. Animal observation will supplement this data in order to accept or reject existing hypotheses on the role of

rival environments to ungulates.

Location:

MacMillan Pass.

.../7

4077

Licensee:

Lindsay D. Elmgren

c/o Boreal Institute for Northern Studies

The University of Alberta

CW 401 Biological Sciences Building

Edmonton, Alberta

T6G 2E9

Objective:

Trapping of arctic char in order to

assess the natural carrier state of infectious pancreatic necrosis virus; possible effects the virus may have on arctic char and other

salmonid species will be studied.

Location:

Inuvik.

4076

Licensee:

Gregory W. Courtney

c/o Boreal Institute for Northern Studies

The University of Alberta

CW 401 Biological Sciences Building

Edmonton, Alberta

T6G 2E9

Objective:

To determine what species of mountain midges (aquatic flies) inhabit the Richardson Mountains; describe any new species; determine the phylogenetic and zoogeographic relationships of these

species.

Location:

Dempster Highway and area of Richardson

Mountains.

4069

Licensee:

Dr. Louis Druehl, President

Canadian Kelp Resources Ltd.

3630 Triumph Street Vancouver, B.C.

V5K 1V3

Objective:

To assist Nunavut Furs and Country Produce (NFCP) in the qualitative assessment of local seaweed resources and in the identification of potential

seaweed products.

Location:

Off Sentry Island about 10 miles from

Eskimo Point.

4067

Licensee:

Dr. J. Svoboda

Associate Professor of Botany

Erindale Campus

University of Toronto Mississauga, Ontario

L5L 1C6

Objective:

To study productivity of high arctic meadows; to experiment with the efficiency of dome-shaped greenhouses for growing vegetables; to study plant communities and prepare a vegetation map of the

Sverdrup Pass.

Location:

Bache Peninsula area at Ellesmere Island,

Alexandra Fiord, Sverdrup Pass.

4062

Licensee:

Dr. W. John Richardson

LGL Ltd.

Environmental Research Associates

44 Eglinton Avenue West

Toronto, Ontario

M4R 1A1

Objective:

To continue to conduct studies to determine the possible effects of oil and gas exploration and development on the behaviour of the Bowhead whale.

Location:

Beaufort Sea.

4058

Licensee:

Jim Troubridge

R.R. # 1

Cayuga, Ontario

NOA 1EO

Objective:

To collect arctic insects in general

and Lepidoptera in particular.

Location:

Coppermine, Holman Island.

4057

Licensee:

Mr. C. McLeod

R.L. & L. Environmental Services Ltd.

17312 - 106 Avenue Edmonton, Alberta

T5S 1H9

Objective:

To identify and map major fall spawning areas between Mountain Rapids, Alberta and the Slave River Delta. To monitor fish movements and tracking during the late summer and fall seasons. To quantify late summer and fall fishery resource use.

This is a continuation of 1983 work.

Location:

Slave River to the mouth of the Slave

River at Great Slave Lake.

4053

Licensee:

James F. Basinger

Department of Geological Sciences University of Saskatchewan

Saskatoon, Saskatchewan

S7N OWO

Objective:

To study the evolution of temperate floras in western and northern Canada and with the relationship between the early Tertiary age floras and those that occupy temperate regions in North

America at present.

Location:

Fort Norman area.

4046

Licensee:

Dr. Lionel Johnson Freshwater Institute 501 University Crescent Winnipeg, Manitoba

R3T 2N6

Objective:

Arctic char biology; experimental cropping of whitefish and lake trout.

Location:

Nauyuk Lake, Chitty Lake

Biological Reserve.

4045

Licensee:

Michael Kingsley
Freshwater Institute

501 University Crescent Winnipeg, Manitoba

R3T 2N6

Objective:

Aerial survey and seal biology.

Location:

Tremblay Sound (North Baffin Island)

Beaufort Sea.

4044

Licensee:

Dr. Rob Stewart

Freshwater Institute 501 University Crescent

Winnipeg, Manitoba

R3T 2N6

Objective:

To carry out beluga sampling,

reproductive biology.

Location:

Pangnirtung (S.E. Baffin Island) Keewatin Coast (Hudson Bay) High Arctic Islands (Ellesmere,

Cornwallis & Somerset).

4038

Licensee:

B.W. Fallis

Resource Impact Biologist

Arctic Resource Assessment Section

Freshwater Institute 501 University Crescent Winnipeg, Manitoba

R3T 2N6

Objective:

To assess the uptake of metals by sediments and biota in the vicinity of Nanisivik Mine and the Polaris Mine. The data will be used to monitor the extent to which metal concentrations in sediments and biota have changed since similar studies were conducted

in 1980 and 1981.

Location:

Strathcona Sound, Little Cornwallis

Island.

Jeanette L. Moorhouse 4037 Licensee:

Department of Geography University of Colorado Boulder, Colorado

80309

Objective: To identify vascular plant species and

collecting voucher specimens, and collecting phytosociological data for representative plant communities.

Location:

A 20-mile transect north and south

of Cape Dorset.

4034 Licensee: Peter Strahlendorf

Consulting and Research

P.O. Box 625 Station 0

Toronto, Ontario

M4T 2N4

Objective: To carry out an arctic ecology program

> within the framework of the Northern Cultural Heritage Project (an integration of scientific research in the Northwest

Territories with an education and

employment project for young northerners.)

Location: Truelove Lowland on Devon Island, N.W.T.

4027 Licensee: Dr. Ross W. Wein, Director,

Fire Science Centre, and Professor of Biology

University of New Brunswick P.O. Box 4400, Fredericton

New Brunswick

E3B 5A3

Objective: To gather information on fire behavior,

the effects of fire on plants and animals,

and the social implications of fire

management. Satellite imagery processing, aerial photography and ground censusing

will be used.

Location: Hook Lake area.

4025 Licensee: Mr. Bernard Bourgoin

Department of Geology McMaster University 1280 Main Street West Hamilton, Ontario

L8S 4M1

Objective: To study marine benthic fauna,

mainly bi-valved molluscs.

Location: Tuk Peninsula and Tuk Harbour.

4021 Licensee: Mr. Brian Hayes

Project Co-ordinator

LBG Expedition Zoology Department

University College Dublin Belfield, Stillorgan Road

Dublin 4, Ireland

Objective: To investigate the breeding biology

> of high-arctic, light-bellied brent geese, including allied environmental factors which influence their breeding

success.

Location: Bathurst Island.

Dr. Harold E. Welch 4017 Licensee:

Freshwater Institute 501 University Crescent

Winnipeg, Manitoba

R3T 2N6

Objective: To carry out a study on quantification

of the marine food chain leading to

marine mammal production.

Location: Resolute Bay.

4016

Licensee:

Bruce E. Lyon

Department of Biology Queen's University Kingston, Ontario

K7L 3N6

Objective:

To carry out studies of (1) parental care in tundra birds; (2) ecological correlates of nest dispersion in high arctic birds. The study species will be Red Phalarope and Sabine's Gull. Individual birds will be color-marked

to facilitate recognition.

Location:

Jenny Lind Island, NWT, near DEW

Line station.

4001

Licensee:

James R. Abel, M.D.

Director,

Arctic Barrens Expedition

Pine Tree Circle Pelham, Massachusetts

Objective:

To observe and experience the ecology and environs of the Arctic and sub-Arctic wilderness regions of the Canadian tundra.

Location:

Lac de Gras Lake, Coppermine River, Point Lake, Takuyuak Lake, Hood River,

the Arctic Sound, Yellowknife.

# EARTH AND PHYSICAL SCIENCES (GEOLOGICAL)

4002

Licensee:

Dr. A.L. Washburn

Quaternary Research Centre University of Washington Seattle, Washington

U.S.A. 98195

Objective:

To continue the research project in periglacial geomorphology and glacial

geology.

Location:

Cornwallis Island.

4005

Licensee:

Philippe de Heering

Staff Scientist

Advanced Systems Division Canadian Astronautics Limited

1024 Morrison Drive Ottawa, Ontario

K2H 8K7

Objective:

To carry out phase I of a bathymetric survey system. A tower will be built on the ice and a rifle (460 cal. Weatherby) mounted on it. The rifle will be discharged into the ice and measurements made to determine the amount of sound transmitted to the

water, the level of bottom echo

detected in air etc.

Location:

Allen Bay near Resolute.

4014

Licensee:

Charles A. Laymon

Institute of Arctic and Alpine Research

University of Colorado Boulder, Colorado U.S.A. 80309

Objective:

Mapping moraines and other glacial features, collecting samples of till and noting minerology of erratics encountered on the surface, measuring the orientation of striae and other ice directional features, measuring the elevation of raised marine deposits and sampling these deposits for shells which will be radiocarbon dated and used for

amino acid geochronology.

Location:

The southern coast of the Foxe Peninsula

west of Cape Dorset and Nottingham

Island.

4015

Licensee:

Professor W.H. Lehn

Department of Electrical Engineering

The University of Manitoba

Winnipeg, Manitoba

R3T 2N2

Objective:

To investigate optical refraction in the lower layers of the atmosphere (anomalous refraction, such as the superior mirage and optical ducting). Photographic recording of land forms and their

refracted images; measurement of refraction and horizon shift; some measurement of atmospheric temperatures in the lowest layers (10-15 meters); local surveys of

the photographed land forms.

Location:

Tuktoyaktuk and environs and/or

Resolute Bay.

4018

Licensee:

Dr. R. Frederking

Division of Building Research

National Research Council of Canada

Ottawa, Ontario

K1A OR6

Objective:

Measure general environmental factors, obtain temperature and salinity profile of the ice cover. Ice features will be described and documented. Measure ice movements by using arrays of reflectors and an electronic distance measuring

device. Measure ice pressures.

Location:

Adams Island.

4019

Licensee:

Dr. O.A. Dixon

Professor, Dept. of Geology

Faculty of Science and Engineering

University of Ottawa Ottawa, Ontario

K1N 6N5

Objective:

To carry out a combined sedimentological-paleoecological study of surface exposures of the Devonian Ramparts reef complex. This would involve mapping, measurement and description of stratigraphic sections and collection of fossil samples for later laboratory study. This is the conclusion

of work begun in 1982.

Location:

Two camp sites between Powell Creek and Bell Creek, in Mackenzie Mountains, west

of Norman Wells.

4020

Licensee:

Dr. O.A. Dixon

Professor, Dept. of Geology

Faculty of Science and Engineering

University of Ottawa Ottawa, Ontario

K1N 6N5

Objective:

To carry out a study of Lower Paleozoic stratigraphy and geological history of the Somerset-Cornwallis-Devon Islands region. This would include geological mapping, measurement of stratigraphic sections, and collection of rock and fossil samples for subsequent laboratory

study.

Location:

Several sites in the vicinity of Gascoyne

Inlet, Devon Island.

4023

Licensee:

Dr. A.G. Lewkowicz Assistant Professor Department of Geography

Erindale Campus

University of Toronto Mississauga, Ontario

L5L 1C6

Objective:

To measure the energy exchange, rate of headwall retreat and water balance of a number of ground ice slumps. This is a continuation of a study begun in 1983.

Location:

Sand Hills, south-east of Sachs Harbour,

Banks Island.

4024

Licensee:

Alec Aitken

Department of Geology McMaster University Hamilton, Ontario

L8S 4M1

Objective:

To investigate the nature of arctic bivalve growth; to identify possible latitudinal trends in arctic bivalve morphology, and to assess the role of sea ice as a factor influencing arctic

bivalve morphology and growth.

Location:

Frobisher Bay and Pangnirtung.

4029

Licensee:

Peter Adams

Professor of Geography

Trent University Peterborough, Ontario

K91 7B8

Objective:

To carry out a study of the mass

balance of the White Glacier.

Location:

Expedition Fiord, Axel Heiberg Island.

4028 Licensee: Mr. Martin Jeffries Department of Geography University of Calgary 2500 University Drive N.W. Calgary, Alberta T2N 1N4 Objective: To carry out a study of the structure, behaviour and origin of the Ward Hunt Ice Shelf. To carry out a snowmobile ground truth survey of the landfast sea ice between the mouth of Nansen Sound and Clements Markham Inlet. Ice cores will be taken, aerial photography and radar flights will be used. Location:

Location.

Ward Ice Shelf, Ellesmere Island Nansen Sound, Clements Markham Inlet.

4030 Licensee: H. Blatter

Swiss Federal Institute of Technology

Zurich, Switzerland

Objective: To conduct echo-sounding on the tongues

of the White and Thompson Glaciers.

Location: Expedition Fiord, Axel Heiberg Island.

4032 Licensee: Jorg Mattner

Leibnizstrabe 18/62

3392 Clausthal West Germany

Objective: To map, profile and analyze the soil

and loose rock in McDougall Pass area,

Richardson Mountains.

Location: McDougall Pass, Richardson Mountains.

4031 Licensee: Cheryl McKenna Neuman

c/o Department of Geography

Queen's University Kingston, Ontario

K7L 3N6

Objective:

To survey, map and photograph aeolian (wind blown) sediments and landforms within an area extending from the head of the fiord to Tumbling Glacier Lake with possible excursions as far as Windy Lake. To install instrumentation that will monitor wind activity, surface and climatic conditions, and sediment

movement by wind.

Location:

Auyuittuq National Park at the head of

Pangnirtung Fiord.

4035 Licensee: Dr. Lawrence C. Bliss Professor of Botany University of Washington Seattle, Washington

98195 U.S.A.

Objective:

To continue ecological research related

to botanical resources.

Location:

Devon Island.

4039

Licensee:

Dr. Robert Gilbert

Department of Geography

Queen's University Kingston, Ontario

K7L 3N6

Objective:

To carry out studies of the origin

and sedimentology of intertidal flats

at Pangnirtung.

Location:

Pangnirtung, Baffin Island.

4040

Licensee:

Professor A.C. Lenz Department of Geology

Faculty of Science

Biological & Geological Building The University of Western Ontario

London, Ontario

N6A 5B7

Objective:

To collect fossils for scientific study.

Location:

Backbone Ranges of the Mackenzie Mountains in the headwaters areas of the South Nahanni River, Western Melville Island, southern and central Ellesmere Island, Arctic Archipelago.

4041

Licensee:

Dr. J.C. Ritchie
Department of Botany
Scarborough College
University of Toronto

University of Toronto West Hill, Ontario

M1C 1A4

Objective:

To survey the area between  $120^{\circ}$  and  $128^{\circ}$  W and  $68^{\circ}$  and  $70^{\circ}$ N for small lakes

suitable for subsequent coring of

unconsolidated sediment. To take small samples of surface mud from a selection of roughly 40 lakes during the course

of this survey.

Location:

North of Great Bear Lake.

4043

Licensee:

Dr. Hugo Veldhuis

Canada-Manitoba Soil Survey

Room 362, Ellis Bldg. University of Manitoba Winnipeg, Manitoba

R3T 2N2

Objective:

To investigate, describe, map and sample

soils in order to produce a map

(scale 1:1 000 000) and report on the soils.

Location:

Nowleye-Angikuni Lakes area

Kaminuriak Lake area

Rankin Inlet.

4047 Licensee:

Ian MacNeil

Senior Planner

Terrestrial Studies National Parks Branch Environment Canada OTTAWA, Ontario

Objective:

National park survey.

Location:

Thomsen River area, Northern Banks

Island.

4048

Licensee:

Murray McComb

National Parks Branch Environment Canada Ottawa, Ontario

K1A 1G2

Objective:

National park survey.

Location:

Wager Bay National Park.

4049

Licensee:

Doug Yurick

National Parks Branch Environment Canada Ottawa, Ontario

K1A 1G2

Objective:

National marine park survey.

Location:

Eclipse Sound, Eastern Lancaster

Sound National Marine Park.

4050

Licensee:

Ian MacNeil

Senior Planner, Terrestrial Studies

National Parks Branch Environment Canada OTTAWA, Ontario

K1A 1G2

Objective:

Canadian landmark survey.

Location:

Nelson Head area, Southern Banks Island.

4051

Licensee:

Ian MacNeil

Senior Planner, Terrestrial Studies

National Parks Branch Environment Canada OTTAWA, Ontario

K1A 1G2

Objective:

National Park survey.

Location:

Southampton Island Region.

4052

Licensee:

Gerald J. Romick

Senior Research Consultant Geophysical Institute University of Alaska C.T. Elvey Building Fairbanks, Alaska

U.S.A. 99701

Objective:

Operation of the Alaska-Canada High Latitude Magnetic Chain of Stations.

Location:

Mould Bay, Sachs Harbour, Cape Parry,

Eureka, Inuvik.

4054

Licensee:

Dr. Brian Jones

Paleontological Collections

Building F33

Edmonton Research Station University of Alberta Edmonton, Alberta

Objective:

To complete the project dealing with the

stratigraphy and sedimentology of the

Silurian rocks exposed on Brodeur Peninsula, NW Baffin Island. Study will involve mapping of strata, measurement of selected

mapping of strata, measurement of selecte stratigraphic sections and collecting of

samples where appropriate.

Location:

Resolute Bay, Brodeur Peninsula,

NW Baffin Island.

4055

Licensee:

Dr. Jean Pilon

Energy, Mines and Resources Canada

Earth Physics Branch

Division of Gravity, Geothermics and

Geodynamics

1 Observatory Crescent

Ottawa, Ontario

KIA OY3

Objective:

To carry on with the establishment of a series of permafrost observatories in the NWT to provide a cross section of perma-frost conditions, through which to conduct

long term research on permafrost

characteristics, permafrost stability, permafrost climate interaction and its response to man induced and natural disturbances, at which to evaluate new tools to determine the properties of

permafrost.

Location:

Norman Wells to Zama pipeline.

4056

Licensee:

John C. Anderson

Surface Water Division

National Hydrology Research Institute

Ottawa, Ontario

K1A OE7

Objective:

To conduct hydrologic studies in the

Mackenzie Valley.

Location:

Mackenzie Valley.

4059

Licensee:

Cynthia Lamson

Research Associate

Dalhousie Ocean Studies Programme

1321 Edward Street Halifax, Nova Scotia

B3H 3H5

Objective:

To undertake a regional ocean management study of the Baffin Bay/Davis Strait region,

concentrating on Canadian/Greenland

relations and joint resource management options.

Location:

Baffin Bay/Davis Strait Region.

4061 Licensee:

Michael J. Melchin

Department of Geology

University of Western Ontario

London, Ontario

N6A 5B7

Objective:

To collect Paleozoic fossils for

laboratory study.

Location:

Central Melville Island Northern Cornwallis Island West-central Ellesmere Island.

4065

Licensee:

Barbara J. Winter

Curator of Collections

Prince of Wales Northern Heritage Centre

Yellowknife, N.W.T.

Objective:

To assess fossil deposits on the Hay

and Trout Rivers. Collection of

specimens.

Location:

Hay River and Trout River.

4066

Licensee:

Dr. J.D. Jacobs Associate Professor

Department of Geography University of Windsor 401 Sunset Avenue Windsor, Ontario

N9B 3P4

Objective:

To carry out micrometeorological

measurements, mapping and collection of lake sediments, soils, and plants for analysis. The object is to describe the sequence of post-glacial climate, vegetation

and environmental change.

Location:

Frobisher Bay and Burton Bay.

4068

Licensee:

Owen Beattie

Assistant Professor

Department of Anthropology The University of Alberta

Edmonton, Alberta

T6G 2H4

Objective:

To investigate certain characteristics

of the Franklin Expedition relics.

Location:

Beechy Island.

4071

Licensee:

Anthony Lambert

Earth Physics Branch 3 Observatory Crescent

Ottawa, Ontario

K1A OY3

Objective:

To measure crustal deformation in North America leading to a better understanding

of earthquakes and plate tectonics.

Measurements will be made by the technique of long-baseline interferometry using a

mobile radio telescope.

Location:

Yellowknife.

4072

Licensee:

Dr. Brian Jones

Paleontological Collections

Department of Geology University of Alberta Edmonton, Alberta

T6G 2E3

Objective:

To study the stratigraphy, sedimentology,

paleoecology, and paleontology of the Upper Devonian Kakisa and Trout River

Formations.

Location:

Trout River.

4073

Licensee:

Mr. T. Skwara

Dept. of Geological Sciences University of Saskatchewan

Saskatoon, Sask.

S7N OWO

Objective:

To determine the presence and extent of vertebrate fossils in Tertiary terrestrial sediments in fossil-bearing strata in order to understand the origin, evolution, biogeography and paleoecology of fossil

mammals.

Location:

Richardson Mountains and Caribou Hills.

4074

Licensee:

Brian R. Braidwood

Boreal Institute for Northern Studies

The University of Alberta

CW 401 Biological Sciences Bldg.

Edmonton, Alberta

T6G 2E9

Objective:

To develop a classification and evaluation system for unique areas through personal interviews, local resource managers, regarding special features within their

jurisdiction.

Location:

Fort Smith.

4075

Licensee:

Malcolm P. Brown

Boreal Institute for Northern Studies

The University of Alberta

CW 401 Biological Sciences Bldg.

Edmonton, Alberta

T6G 2E9

Objective:

A study of lake quaternary glacio-lacustrine sediments and abandoned lake shorelines on northeast Ellesmere Island, including surveying and mapping the uppermost lake shorelines to establish the nature of isostatic uplift in the area. Studying the exposed lake sediments and collecting organic material for dating purposes.

Location:

Southern end of Piper Pass, N.E. Ellesmere

Island and the Hazen Plateau.

4078

Licensee:

David Green

Boreal Institute for Northern Studies

The University of Alberta

CW 401 Biological Sciences Bldg.

Edmonton, Alberta

T6G 2E9

Objective:

A study of the Quaternary sediments across Russell Island with special emphasis on the raised marine deposits, to establish sea level fluctuations which are related to isostatic coastal movements during glaciations. Shell and wood fragments from beach deposits will be collected.

Location:

Russell Island.

4083

Licensee:

Garry G. McLean

Coordinator, NLUIS Mapping Program Lands Directorate, Environment Canada 20th Floor, Place Vincent Massey

351 St. Joseph Blvd. Hull, P.Q. K1A OE7

Objective:

A study to gather data for maps to provide an information base to facilitate comprehensive regional planning and application of the Territorial Land Use Regulations. Field program involves collection and verification of data on wildlife resources, fish resources, native land use, ecological land classification,

coastal evaluation and a variety of socio-

economic and cultural aspects.

Location:

Frobisher Bay, Pangnirtung, Cape Dorset, Lake Harbour and the DEWLine stations at

Longstaff Bluff and Dewar Lakes.

4088

Licensee:

Dr. W.M. Schwerdtner Department of Geology University of Toronto 170 College Street Toronto, Ontario

M5S 1A1

Objective:

To conclude the studies of the structural evolution of the eastern Sverdrup Basin over the past 200 million years. In particular, the origin of the evaporite related features on the east and west-central shores of Axel Heiberg Island, Canadian

Arctic Archipelago.

Location:

Axel Heiberg Island.

4090

Licensee:

Dr. David G. Harry

Terrain Sciences Division Geological Survey of Canada

601 Booth Street Ottawa, Ontario

K1A 0E8

Objective:

A project directed toward the prediction and monitoring of geomorphic and geologic conditions along the route of the Norman Wells-Zama pipeline. Fieldwork will focus on observations of terrain performance along the pipeline ROW following the 1983/84 winter construction season.

Location:

Norman Wells and Fort Simpson.

4102

Licensee:

Dr. Gordon C. Jacoby Jr.

Research Associate

Lamont-Doherty Geological Observatory

of Columbia University

Palisades, New York U.S.A. 10964

Objective:

To collect core samples from trees for later annual ring studies that will provide information on the climate during

the history of the tree.

Location:

Horton and Thelon River area.

4095

Licensee:

G. Peter Kershaw

Department of Geography University of Alberta Edmonton, Alberta

T6G 2H4

Objective:

Dempster Highway disturbance studies to determine the state of natural recovery on human disturbances of various ages (this includes the botanical and wildlife habitat characteristics). Also, to continue monitoring of the species and population characteristics of small mammals

in 12 tundra habitats and continue monitoring of small mammal habitat selection for the 4th year of the study.

Location:

Dempster Highway corridor and MacMillan

Pass - Tsichu River area.

4096

Licensee:

Mr. Jay A. Stravers

Institute of Arctic & Alpine Research

Campus Box 450

University of Colorado Boulder, Colorado 80309

U.S.A.

Objective:

To examine coastal and inland glacial tills and moraines. Data concerning the degree of soil development and boulder weathering characteristics will be

collected to determine the age of glacial deposits. Small till samples will be collected for analysis and marine mollusc shells will be collected from the raised marine deposits for purposes of radiocarbon

dating.

Location:

North shore of Frobisher Bay between Frobisher's Farthest and Loks Land and possibly Akpatok Island in Ungava Bay.

4104 Licensee:

Dr. G.M. Young

Department of Geology

University of Western Ontario

London, Ontario

N6A 5B7

Objective:

To study the glacial sediments of

Precambrian rocks.

Location:

Guy's Bight, northern Baffin Island.

4106

Licensee:

Dr. Robert M. West

Carnegie Museum of Natural History

Carnegie Institute 4400 Forbes Avenue

Pittsburgh, Penn. 15213

U.S.A.

Objective:

A continuation of the project to conduct paleontological and geological field work by fossil collecting and geologic mapping.

Location:

Ellesmere and Devon Islands.

4107

Licensee:

Dr. Hugh M. French

Departments of Geography and Geology

University of Ottawa

165 Waller Ottawa, Ontario

K1N 6N5

Objective:

A continuation of studies relating to geology, permafrost and Quaternary

research.

Location:

Banks Island and the Arctic Islands. SE Melville Island in the vicinity of Rea Point and on parts of the Sabine

Peninsula.

4109

Licensee:

Dr. W.J. Zinsmeister

Research Scientist

Department of Geosciences

Purdue University

West Lafayette, Indiana

U.S.A. 47907

Objective:

To conduct a geologic and paleontologic investigation of the Tertiary sequence in the Strathcona and Bay Fiord region.

Location:

Ellesmere Island.

4110

Licensee:

John R. Radforth, P.Eng.

President

Peat Consultants, Canada, Ltd.

P.O. Box 248

Bracebridge, Ontario

POB 1CO

Objective:

A study of the feasibility of fuel

peat production at Hay River.

Location:

Hay River and environs.

4111

Licensee:

Dr. Norman E. Kagan

The Rockefeller University

68-28 Juno Street Forest Hills, N.Y. U.S.A. 11375

Objective:

To collect data on river waters and recording pH., conductivity, and

collecting samples of water.

Location:

Western portion of the N.W.T., South

Nahanni River and the Liard River.

4112

Licensee:

Dr. Ekkehard Schunke Geographisches Institut Universitat Gottingen Goldschmidstrabe 5 D-3400 Gottingen Fed. Rep. of Germany

Objective:

Collecting observations and measurements of surface forms and surface processes,

soils, permafrost, and hydrology.

Location:

Richardson Mountains.

4120

Licensee:

Mr. Jeff Churchill

Department of Geography Trent University

Peterborough, Ontario

K9J 7B8

Objective:

Investigate the condition of Park trails.

Location:

Auyuittuq National Park.

4124

Licensee:

Matt Fairbarns

c/o Canadian Forestry Service

5320 - 122 Street Edmonton, Alberta

T6H 3S5

Objective:

To choose study sites for work to be done next spring on investigation of vegetation-permafrost-microclimate relationships associated with subarctic

pipeline disturbances.

Location:

Dempster Highway between Fort McPherson and Arctic Red River and areas between Norman Wells and the mouth of the Saline

River.

4125

Licensee:

Mlle. France Morin

Department of Chemistry-Biology

University of Quebec Three Rivers, Quebec

G9A 5H7

Objective:

To measure, with the aid of data gathered about temperature at the two weather stations (experimental and official). First, whether differences exist between the minimum and maximum daily temperatures of the two stations, and secondly, at what moment the differences occur (as a function

of the wind).

Location:

Igloolik and Hall Beach area.

4127

Licensee:

Richard Langley

Dept. of Surveying Engineering University of New Brunswick Fredericton, New Brunswick

E3B 5A3

Objective:

To determine Very Long Base Line (VLBL) interferometry between a number of radio telescopes and to study how, why and where

earthquakes occur.

Location:

Yellowknife area.

4131

Licensee:

David A. Sherstone

Inuvik Scientific Resource Centre Indian and Northern Affairs Canada

P.O. Box 1430 Inuvik, N.W.T.

XOE OTO

Objective:

Study winter ice thickness in the

Mackenzie Delta.

Location:

Inuvik, Aklavik.

# ENGINEERING

Licence Number

4000 Licensee:

Acres Consulting Services Limited

5th Floor

10201 Southport Road S.W.

Calgary, Alberta

T2W 4X9

Objective:

To install automatic water level gauges at Bell Rock, Brule Point, and one at the bifurcation with the Jean River. Spot water levels will be measured at other points of interest along the river. Measurements of ice thicknesses, water temperatures and flow velocities under

the ice will be made.

Location:

Slave River.

4012

Licensee:

Acres Consulting Services Limited

5th Floor

10201 Southport Road S.W.

Calgary, Alberta

T2W 4X9

Objective:

To carry out bathymetric surveys of the Slave River channel, topographic surveys

of the river banks, and to establish permanent benchmarks along the river at approximately two kilometre intervals.

Location:

Slave River.

4080

Licensee:

Brian Langnau

Boreal Institute for Northern Studies

The University of Alberta

CW 401 Biological Sciences Bldg.

Edmonton, Alberta

T6G 2E9

Objective:

To make qualitative and quantitative observations of the performance of the Dempster Highway and to suggest design improvements. Observations include cut/fill slope sloughing, permafrost, degradation from highway fills, cuts, bridges and culverts, borrow pit degradation, road trafficability, road

heave and drainage disruption.

Location:

Dempster Highway and Inuvik.

4130

Licensee:

Dr. Pierre-Claude Aitcin Departement de genie civil

Faculte des sciences appliquees

Universite de Sherbrooke

Sherbrooke, Quebec

J1K 2R1

Objective:

Testing binding material to reduce

amount of cement required in the north.

Location:

Nanisivik and Arctic Bay.

# HEALTH SERVICES

4003

Licensee:

Dr. R.P. Bryce Larke

Clinical Virologist

Provincial Laboratory of Public Health

University of Alberta Edmonton, Alberta

T6G 2J2

Objective:

To carry out a study of the epidemiology

and control of viral hepatitis in

Northern Canada.

Location:

Various N.W.T. communities.

Licence Number 4006 Dr. Brian D. Postl Licensee: Northern Medical Unit University of Manitoba Faculty of Medicine 61 Emily Street Winnipeg, Manitoba R3E 1Y9 Objective: To study epidemiology and therapy of Group A Streptococcal disease in northern native communities. Location: St. Therese Point, Manitoba and Rankin Inlet, N.W.T. Dr. Brian D. Post1 4007 Licensee: Northern Medical Unit University of Manitoba Faculty of Medicine 61 Emily Street Winnipeg, Manitoba R3E 1Y9 Objective: To carry out a study of rheumatic diseases among the Inuit in the Keewatin. Location: Rankin Inlet, Eskimo Point, Whale Cove, Repulse Bay, Chesterfield Inlet, Baker Lake, Coral Harbour. 4008 Licensee: Dr. Ian Chalmers c/o Northern Medical Unit University of Manitoba Faculty of Medicine 61 Emily Street Winnipeg, Manitoba R3E 1Y9

Objective:

To carry out a study of rheumatic

diseases among the Inuit in the Keewatin.

Location:

Rankin Inlet, Eskimo Point, Whale Cove, Repulse Bay, Chesterfield Inlet, Baker

Lake, Coral Harbour.

4011

4009 Dr. Kiem Oen Licensee:

> c/o Northern Medical Unit University of Manitoba Faculty of Medicine 61 Emily Street Winnipeg, Manitoba

R3E 1Y9

Objective: To carry out a study of rheumatic

diseases among the Inuit in the Keewatin.

Location: Rankin Inlet, Eskimo Point, Whale Cove,

Repulse Bay, Chesterfield Inlet, Baker

Lake, Coral Harbour.

4010 Licensee: G.W. Heinke

Dept. of Civil Engineering

University of Toronto

Toronto, Ontario

M5S 1A4

Objective: To establish the improvements in the

treatment efficiency and effluent quality

on the reconstructed lagoon in Inuvik.

Location: Inuvik, INA Research Laboratory.

A.P. Hornby

Licensee: Environmental Carcinogenesis Unit

B.C. Cancer Research Centre

601 West 10th Avenue Vancouver, B.C. V5Z 1L3

Objective: To identify environmental factors involved

in nasopharyngeal and esophageal cancers

among the Canadian Inuit.

Location: Pond Inlet, Spence Bay, Cambridge Bay,

Gjoa Haven, Pelly Bay.

4022

Licensee:

Paul J. Moroz

HGH-McMaster Respiratory Research Unit

Mail Slot 217

Hamilton General Hospital 237 Barton Street East Hamilton, Ontario

L8L 2X2

Objective:

To conduct an epidemiological survey of the respiratory health status of a statistically significant population of northern native children and then to relate this data to the environmental factors relevant to the respiratory health of these children.

Location:

Inuvik.

4060

Licensee:

Dr. J.D. O'Neil

Faculty of Medicine

Dept. of Social and Preventive Medicine

750 Bannatyne Avenue

The University of Manitoba

Winnipeg, Manitoba

R3E OW3

Objective:

To conduct preliminary investigation and consultation concerning several health

related research projects.

Location:

Eskimo Point, Whale Cove, Baker Lake, Rankin Inlet, Chesterfield Inlet.

4101

Licensee:

A.P. Hornby

Environmental Carcinogenesis Unit

B.C. Cancer Research Centre

601 West 10th Avenue Vancouver, B.C.

V5Z 1L3

Objective:

To identify environmental factors involved in nasopharyngeal and esophageal cancers among the Canadian Inuit. This licence is conditional on all substances and drugs used being prescribed by the local

physician.

Location:

Cambridge Bay, Spence Bay, Pelly Bay and Gjoa Haven, Inuvik, Aklavik,

Tuktoyaktuk and Paulatuk.

4116 <u>Licensee</u>: Dr. Donald A. Enarson

Ground Floor, Doctors Residence

Vancouver General Hospital

2775 Heather Street Vancouver, B.C.

V5Z 3J5

Objective: To establish a surveillance program for

the early detection of lung cancer among a group of workers in the mining and

smelting industries.

Location: Tungsten, Yellowknife, and other mines

in the Territories.

4119 Licensee:

Dr. Jamie C. MacDougall Department of Psychology

McGill University

1205 Docteur Penfield Avenue

Montreal, Quebec

H3A 1B1

Objective: To compile a list of all agencies,

institutions, and individuals who provide medical, educational or rehabilitation services to hearing impaired children in Canada; to profile the relevant characteristics of all hearing impaired

Canadian children from birth to 21 years of age.

or ag

Various settlements in the N.W.T.

4128

Licensee: Geoffrey Smith B.Sc.

Hatfield Consultants Ltd.

Environmental and Pollution Management

201-1571 Bellevue Avenue West Vancouver, B.C. V7V 3R6

Objective:

Location:

To determine extent of radioactive contamination of abandoned mines at

Rayrock and Port Radium.

Location:

Yellowknife - Rayrock - Port Radium.

4126

Licensee:

Kristen S. Borre

6 Davie Lane Chapel Hill

North Carolina, U.S.A.

27514

Objective:

A dissertation research to examine how Dogrib Dene make diet choices and the kind of work activities they must do to obtain the diet they consume. Possible nutritional problems will be identified and the kind of diet desired by the

community will be recorded.

Location:

Rae-Edzo, Lac La Martre, Rae Lakes

and Snare Lake.

4132

Licensee:

H.F. Pabst, M.D.

Professor of Pediatrics Department of Pediatrics University of Alberta

2C300 Walter Mackenzie Health Sciences Centre

Edmonton, Alberta

T6G 2R7

Objective:

BCG vaccine take in babies with and

without maternal PPD sensitization.

Location:

Inuvik.

4134

Licensee:

Susan Beaubier

26 Rycon Drive Yellowknife, N.W.T.

X1A 2V6

Objective:

To work toward the development of nutrition guidelines specific to the

N.W.T.

Location:

Yellowknife, Frobisher Bay.

4135

Licensee:

Jocelyn DeJong

361 Roslyn Ave. Montreal, Quebec

H3Z 2L7

Objective:

To study the health care system provided to the Inuit, the Inuit perspective of this system, and why there are no Inuit

health professionals.

Location:

Frobisher Bay, Pangnirtung.

## SOCIAL SCIENCES

4004

Licensee:

Dr. Lynda Lange

The Arctic Institute of North America

The University of Calgary 2500 University Drive N.W.

Calgary, Alberta

T2N 1N4

Objective:

To carry out a study to investigate

the actual employment goals, in connection with the Norman Wells Oilfield Expansion

and Pipeline Project, and related employment, of native women in the

Mackenzie Valley.

Location:

Norman Wells, Fort Norman, Fort Franklin,

Wrigley, Fort Simpson.

4026

Licensee:

Raymond Chipeniuk

1343 Dowler Avenue Ottawa, Ontario

K1H 7R8

Objective:

Planning for native subsistence

activities in new northern national

parks.

Location:

Yellowknife, Snowdrift.

4033

Licensee:

Dr. George Wenzel Assistant Professor

Centre for Northern Studies and Research

McGill University 1020 Pine Avenue West Montreal, Quebec

H3A 1A2

Objective:

Anthropologically define the various dimensional contexts in which ringed seal hunting contributes to the functioning of Inuit society; evaluate the effects the limiting or ideological grounding of the anti-sealing protest movement has done; analysis of Inuit responses to this conflict

situation.

Location:

Holman Island, Clyde River.

4036

Licensee:

Nigel Tucker

2 Assinboine Road

Apt. 922

Downsview, Ontario

M3J 1L1

Objective:

To examine the "state-of-the-art" regarding site selection techniques for energy

facilities; to visit some of the locations which have previously been identified as

potential shorebase sites.

Location:

Inuvik, Tuktoyaktuk, Aklavik, Fort

McPherson.

4042

Licensee:

Dr. R.W. Butler Associate Professor Department of Geography University of Western Ontario

London, Ontario

Objective:

To examine the compatibility of hydrocarbon development and the tourist industry and related resources in the Mackenzie Delta

and surrounding area.

Location:

Norman Wells, Inuvik, Tuktoyaktuk, Aklavik,

Arctic Red River, Fort McPherson.

4063 Licensee: Shirleen Smith

Department of Anthropology

University of Alberta Edmonton, Alberta

T6G 2H4

Objective: To study the use of subsistence products.

This will involve accompanying people in the bush, for example on spring hunt, as

well as interviewing people in the

community.

Location: Fort Good Hope.

4064 Licensee: Miss Uta Heiermann

Brenscheder StraBe 32

4630 Bocum 1 West Germany

Objective: To study the geosocial and geoeconomical

impacts arising from Beaufort Sea oil

development.

Location: Inuvik, Tuktoyaktuk.

4070 Licensee: Mary J. Taylor

Carleton University Ottawa, Ontario

K1S 5B6

Objective: To study how the mineral projects have

affected the residents and communities.

Location: Nanisivik, Arctic Bay, Frobisher Bay,

Resolute Bay, Yellowknife, Rankin Inlet.

4082

Licensee:

Yvonne Gosselink

c/o AINA, 11LT University of Calgary

2500 University Drive N.W. Calgary, Alberta

T2N 1N4

Objective:

To evaluate northern resources in terms

of their cultural, nutritional,

psychological and political significance and to look at the cultural, political and ecological aspects of renewable

resource use from a historical perspective. The study will attempt to address a list

of questions in a Slavey community.

Location:

Fort Liard, Fort Simpson, Nahanni Butte.

4084

Licensee:

Dr. Douglas R. Stenton

Department of Anthropology The University of Alberta

Edmonton, Alberta

T6G 2H4

Objective:

The collection of oral histories from people in Frobisher Bay as the first step of an investigation into the use of inland resources by prehistoric groups.

Location:

Frobisher Bay.

4087

Licensee:

Dr. Ludger Muller-Wille

Associate Professor Department of Geography

McGill University 805 Sherbrooke St. W. Montreal, Quebec

H3A 2K6

Objective:

A project to carry out a survey of

Inuit place names .

Location:

Pangnirtung and vicinity.

4093 Licensee: Irene Mazurkewich

Assistant Professor of Applied Linguistics

TESL Centre

Concordia University

1455 De Maisonneuve Blvd. West

Montreal, Quebec

H3G 1M8

Objective: Research to determine the acquisition

process of infinitival and gerundive complements by second language learners.

Location: Frobisher Bay (GREC).

4099 <u>Licensee</u>: Dr. Joseph Konarek

617 Camelot Drive Sudbury, Ontario

P3B 3M9

Objective: Economic and socio-economic studies of

renewable resources and commercial hunting,

fishing, sealing and tourism, also

commercial reindeer breeding.

Location: Yellowknife and Inuvik.

4100 Licensee: Frances Abele

Research Associate

The Arctic Institute of North America

University of Calgary 2500 University Drive N.W.

Calgary, Alberta

T2N 1N4

Objective: To carry out a Native Employment Training

Study to study factors that contribute to the success and failure of training programs for native northerners from the perspective of trainees and communities.

Location: Norman Wells, Mackenzie Valley communities

and Frobisher Bay area.

4103 <u>Licensee</u>: Judith Jacob

General Delivery Snowdrift, N.W.T.

XOE 1AO

Objective: Documentation of log house community

at Da Cho.

Location: Artillery Lake area.

4114 <u>Licensee</u>: Mr. David Wilman

Principal

Eastern Arctic Teacher Education Program

Department of Education Government of the N.W.T. Frobisher Bay, N.W.T.

OHO AOX

Objective: Research on language acquisition by

Inuit children.

Location: Arctic Bay.

4122 Licensee: Dr. Elspeth A. Young

c/o Boreal Institute for Northern Studies

The University of Alberta

CW 401 Biological Sciences Building

Edmonton, Alberta

T6G 2E9

Objective: A study of the provision of retail

services in Dene communities.

Location: Fort Good Hope, Fort Franklin.

4129 Licensee: John Bennett

Institute of Canadian Studies

Carleton University Ottawa, Ontario

K1S 5B6

Objective: A study of the whaling era and the

Inuit point of view in 1984.

Location: Pangnirtung.

4133

Licensee:

Thomas Henley

Resource Initiatives 638-92 Quail Ridge Road Winnipeg, Manitoba

R2Y 2E9

Objective:

Research to prepare a strategic plan for renewable resource development in

the N.W.T.

Location:

Yellowknife, Rankin Inlet, Cambridge Bay,

Frobisher Bay.

4013

Licensee:

Pauli Jumppanen

Director of Laboratory

Laboratory of Structural Engineering Technical Research Centre of Finland

Vuorimiehentie 5 SF-02150 Espoo 15

Finland

Objective:

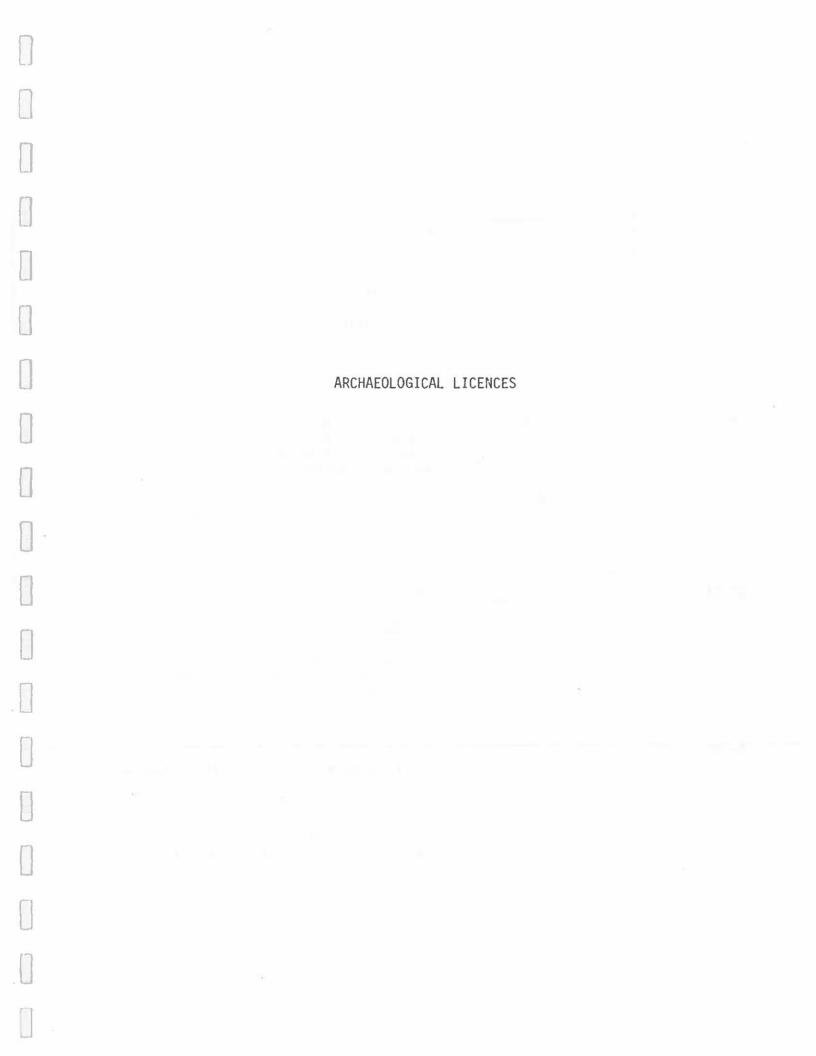
Collection of snow samples to find out about the spreading of air pollution. Making observations of ice formations and pressure ridges. Observations of clothing for cold air conditions being used by members of the expedition.

Behaviour and capacity of man in arctic

conditions.

Location:

Ellesmere Island, North Pole.



## ARCHAEOLOGICAL LICENCES

## Licence Number

84-547

Licensee:

Jean-Francois Lemouel

Musee De L'Homme Paris, France

Objective:

To conduct archaeological

investigations at the Co-op site (Od Pp-2) and archaeological reconnaissance on the north shore of Prince Albert Sound, Victoria

Island.

84-548

Licensee:

Douglas Stenton

Department of Anthropology University of Alberta

Edmonton, Alberta

Objective:

To conduct archaeological

investigations at Nettilling Lake,

Baffin Island.

84-549

Licensee:

Margaret Bertulli

Box 475

Yellowknife, N.W.T.

Objective:

To conduct archaeological

investigations at Truelove Lowland,

Devon Island.

84-551

Licensee:

Robert R. Janes

Prince of Wales Northern Heritage Centre

Government of the N.W.T. Yellowknife, N.W.T.

Objective:

To conduct archaeological

investigations at Willow (Brackett)

Lake, N.W.T.

84-552

Licensee:

Charles D. Arnold

Prince of Wales Northern Heritage Centre

Government of the N.W.T.

Yellowknife, N.W.T.

Objective:

To conduct archaeological

investigations in the vicinity

of Eskimo Lakes.

84-553

Licensee:

Christopher Hanks

Prince of Wales Northern Heritage Centre

Government of the N.W.T. Yellowknife, N.W.T.

Objective:

To conduct archaeological

investigations at sites LfRq-6 and GB-1 near the juncture of the Great Bear and Mackenzie Rivers.

84-554

Licensee:

Christopher Hanks

Prince of Wales Northern Heritage Centre

Government of the N.W.T.

Yellowknife, N.W.T.

Objective:

To conduct archaeological

investigations at Dall Lake and Silverberry Pass in the Mackenzie

Mountains.

84-555

Licensee:

Christopher Hanks

Prince of Wales Northern Heritage Centre

Government of the N.W.T.

Yellowknife, N.W.T.

Objective:

To conduct archaeological

investigations at the Franklin Tanks site on Great Bear Lake.

84-556

Licensee:

Dr. David Morrison

Archaeological Survey of Canada

Ottawa, Ontario

Objective:

To conduct archaeological

investigations in the Anderson Plain,

including Sandy, Sunny, Jiggle, Bathing and Travaillant Lakes.

84-557

Licensee:

Dr. Ellen Bielawski

Prince of Wales Northern Heritage Centre

Government of the N.W.T. Yellowknife, N.W.T.

Objective:

To conduct archaeological

investigations at Roche Bay.

84-558

Licensee:

Richard Stromberg

Department of Anthropology

University of Toronto

Toronto, Ontario

Objective:

To conduct archaeological

investigations at the Cache Point site (NdPs-1) on Richards Island.

84-559

Licensee:

Marc Stevenson

Prince of Wales Northern Heritage Centre

Government of the N.W.T.

Yellowknife, N.W.T.

Objective:

To conduct archaeological

investigations at historic whaling stations at Kekerten, Blacklead Island

and New Boyen (Cumberland Sound).

84-560 <u>Licensee</u>: Father Guy Mary Rousseliere

Pond Inlet, N.W.T.

Objective: To conduct archaeological

investigations at Nunguvik (PgHb-1).

84-561 Licensee: Eric Damkjar

Department of Anthropology University of Alberta Edmonton, Alberta

Objective: To conduct archaeological

investigations on the east coast of Somerset Island, from Creswell Bay

to Bellot Strait.

84-562 Licensee: Robert Park

Department of Anthropology University of Alberta Edmonton, Alberta

Objective: To conduct archaeological

investigations at Porden Point on

Devon Island.

84-563 Licensee: Robert McGhee

Archaeological Survey of Canada

Ottawa, Ontario

Objective: To conduct a visual inspection of

the archaeological sites near Toker Point on the Tuktoyaktuk Peninsula, and excavation of archaeological sites at the mouth of the Horton River and at Darnley Bay on Bathurst Peninsula.

84-564

Licensee:

Robert McGhee

Archaeological Survey of Canada

Ottawa, Ontario

Objective:

To undertake a reconnaissance of

archaeological sites along the southern

coast of Devon Island.

84-565

Licensee:

James Helmer

Department of Archaeology

University of Calgary

Calgary, Alberta

Objective:

To undertake archaeological

investigations in the northern

coastal zone of Devon Island between

Truelove Inlet and Cape Hardy.

84-566

Licensee:

Dr. Owen Beattie

Department of Anthropology

University of Alberta

Edmonton, Alberta

Objective:

To conduct archaeological

investigations at the Franklin site

on Beechy Island.

WILDLIFE LICENCES

## WILDLIFE LICENCES

Permit Number

840137

Licensee:

David Muirhead

Ecology North P.O. Box 249

Yellowknife, N.W.T.

Objective:

To study the behavior and ecology of

ravens and to demonstrate the techniques

to the public.

Location:

Yellowknife area.

840138

Licensee:

Stacy V. Tessaro

Dept. of Veterinary Medicine University of Saskatchewan Saskatoon, Saskatchewan

S7N OWO

Objective:

To examine the presence and spread of disease in bison and to determine the

causes of mortality.

Location:

Mackenzie bison sanctuary and Fort

Smith area.

840139

Licensee:

Ray Schweinsburg

NWT Wildlife Service

Department of Renewable Resources

Yellowknife, N.W.T.

X1A 2L9

Objective:

To locate radio collared polar bears.

Location:

Beaufort Sea.

840140

Licensee:

Dr. J.A. Bradley

Animal Diseases Research Institute

P.O. Box 640

Lethbridge, Alberta

T1J 3Z4

Objective:

To investigate the spread of rabies in

the high Arctic and monitor its incedence.

Location:

Central and High Arctic.

840141

Licensee:

Michael A.D. Ferguson

NWT Wildlife Service

Department of Renewable Resources

Frobisher Bay, N.W.T.

XOA OHO

Objective:

To study the physical reproductive

and disease characteristics of reindeer.

Location:

Belcher Islands.

840142

Licensee:

Doug Heard

NWT Wildlife Service

Department of Renewable Resources

Yellowknife, N.W.T.

X1A 2L9

Objective:

To gather data for support of caribou

management decisions.

Location:

Bathurst Caribou range.

840143

Licensee:

Don Thomas

Canadian Wildlife Service

#1000, 9942-108 St. Edmonton, Alberta

T5K 2J5

Objective:

To study the Beverly winter range and

the condition of the caribou on the range.

Location:

Beverly Caribou winter range.

840144

Licensee:

Cormack Gates

Department of Renewable Resources

Fort Smith, N.W.T.

XOE OPO

Objective:

Investigate the bison population and

habitat.

Location:

Mackenzie Bison Sanctuary.

840145 Licensee:

James F. Voelzer

U.S. Fish and Wildlife 700 Cherry St. Suite D Columbia, Mo. U.S.A.

65201

Objective:

To determine size and species composition of duck populations.

Location:

Mackenzie River drainage.

840146

Licensee:

Dr. Donald L. Pattie

N.A.I.T.

11762 - 106 St. Edmonton, Alberta

T5G 2R1

Objective:

Long term monitoring of Arctic bird

populations.

Location:

Truelove Lowland - Devon Island.

840147

Licensee:

E. Kuyt

Canadian Wildlife Service

#1000, 9942-108 St. Edmonton, Alberta

T5K 2J5

Objective:

To determine movements and winter range of American Kestrels nesting

in the Fort Smith area.

Location:

Fort Smith area outside Wood Buffalo

National Park.

840148

Licensee:

Jan Adamczewski

Department of Renewable Resources

Rankin Inlet, N.W.T.

Objective:

To obtain an adequate information base

for developing a Coats Island Caribou

Management Plan.

Location:

Coats Island.

840149 Licensee:

Karl W. Larsen

University of Victoria

P.O. Box 1700 Victoria, B.C.

V8W 2Y2

Objective:

Investigate life history of garter snakes in Wood Buffalo National Park.

Location:

Wood Buffalo National Park.

840150

Licensee:

Ross Eccles

LGL Ltd.

770, 205-5th Avenue S.W.

Calgary, Alberta

T5P 2V7

Objective:

Provide baseline information on mammal

resources affected by proposed Slave

River Hydro Development.

Location:

Slave River Corridor

Fort Smith to Slave Delta.

840151

Licensee:

Brian Hayes

University College Dublin Belfield, Stillorgan Road

Dublin 4, Ireland

Objective:

To gather information on the summer portion of the High-Arctic Brant life cycle to assist managing Ireland geese.

Location:

Bathurst Island.

840152

Licensee:

Anne Gunn

Department of Renewable Resources

Yellowknife, N.W.T.

XIA 2L9

Objective:

To describe the current use of the

Jackfish wellsite and haul road by

Dall's Sheep.

Location:

Fort Liard.

840153 Licensee: Kent Jingfors

Department of Renewable Resources

Cambridge Bay, N.W.T.

Objective: Define polar bear denning areas, record

signs and sightings of bears, caribou

and muskoxen.

Location: Prince of Wales Strait, Albert Ed. Bay.

840154 <u>Licensee</u>: Doug Heard

Department of Renewable Resources

Yellowknife, N.W.T.

X1A 2L9

Objective: To gather information to support

management decisions in respect to the

Beverly herd.

Location: Beverly herd's range.

840155 Licensee: Don Phelps

Underwood McLellan Ltd.

17007-107 Avenue Edmonton, Alberta

T5S 1G3

Objective: To determine drainage flow and prime

habitat, visit dam sites, determine

materials, cost, and design.

Location: Tributaries of the Taltson River.

840156 Licensee: A.J. Gaston

Canadian Wildlife Service

Ottawa, Ontario

K1A 6E7

Objective: To gather baseline data on the seabirds

of Prince Leopold and Coats Islands.

Location: Prince Leopold and Coats Islands.

840157 Licensee:

Dr. Ian Stirling

Canadian Wildlife Service 1000, 9942-108 Street Edmonton, Alberta

T5K 2J5

Objective:

Relate importance of polynyas to overwintering marine mammals and

14

polar bears.

Location:

Resolute Bay.

840158

Licensee:

Dr. Frank F. Mallory

Laurentian University Department of Biology Sudbury, Ontario

P3E 2C6

Objective:

To study population dynamics of fox

and prey, rabies, genetics, physiological conditions, reproduction, assess impacts.

Location:

Eskimo Point.

840159

Licensee:

Bruce Lyon

Department of Biology Queen's University Kingston, Ontario

K7L 3N6

Objective:

Determine cost of post-hatch parental care to male phalaropes and advant. of

Sabine's social nesting.

Location:

Jenny Lind Island.

840160

Licensee:

Dr. Ray Schweinsburg

Department of Renewable Resources

Yellowknife, N.W.T.

X1A 2L9

Objective:

To determine: subpopulations, sex/age structure, prod., mort., seasonal distribution, estimated population

and collect blood.

Location:

NE Baffin - Cape Jameson, south to

Cape Dyer.

840161 Licensee: Gord Stenhouse

Department of Renewable Resources

Rankin Inlet, N.W.T.

Objective: To document summer/winter calf survival,

sample overwintering caribou north of

Baker Lake, I.D. as Kamin.

Location: South Keewatin, Baker Lake, Southampton

Island.

840162 Licensee: Donald Young

Environmental Man. Assoc. 1510 Tenth Avenue, S.W.

Calgary, Alberta

T3C 0J5

Objective: Literature, interview component, field

investigations.

Location: Slave Delta South to Peace River

R. De Rocher JN.

840163 Licensee: Steve Amstrup

Department of Renewable Resources

Tuktoyaktuk, N.W.T.

Objective: Radio collar up to six polar bears

in conjunction with the Alaska Fish

and Game Department.

Location: Beaufort Sea area.

840164 Licensee: Judith M. Rhymer

Department of Bio Science Florida State University Tallahassee, Florida 32306

Objective: Investigate interplay of clutch size,

egg size, and laying date over a latit.

grad. and effect on development.

Location: Yellowknife, Inuvik.

840165

Licensee:

Ludo C.E. Bogaert

Provincial Museum of Alberta

12845-102 Avenue Edmonton, Alberta

T5N OM6

Objective:

To obtain a collection of Arctic material for museum. Do a series of Arctic bird portraits and scenes.

Location:

Devon Island (Truelove Lowland)

Cape Vera.

840166

Licensee:

Brad Arner

Canadian Wildlife Service

P.O. Box 637

Yellowknife, N.W.T.

X1A 2N5

Objective:

Collect data on bird use on proposed mining site I.D. and map bird use area.

Location:

Bullmoose Lake area.

840167

Licensee:

M.G. Knol

Department of Renewable Resources

Cambridge Bay, N.W.T.

Objective:

Determine the position of the migrational divide in North America between Pacific

and Atlantic Sabine's Gulls.

Location:

Cambridge Bay area and possibly Jenny

Lind Island.

840168

Licensee:

Lynne Dickson

Canadian Wildlife Service

#1000, 9942-108 St. Edmonton, Alberta

T5K 2J5

Objective:

Determine number and distribution of seabirds and bay usage. Determine R-T loon productivity in Beaufort Sea Region.

Location:

Coastline - Tuk Peninsula Mackenzie Delta.

Permit Number 840169 Licensee: Bob Bromley Department of Renewable Resources Yellowknife, N.W.T. X1A 2L9 Objective: Locate falcon/eagle/raven nests, determine diet and productivity, band and study movements. Location: All except Pelly Bay and Bathurst Inlet. 840170 Licensee: Bob Bromley Department of Renewable Resources Yellowknife, N.W.T. X1A 2L9 Objective: Locate falcons, ravens, and band young falcons, determine numbers and diet. Location: Frobisher, Pangnirtung, Broughton Island. 840171 Licensee: Bob Bromlev Department of Renewable Resources Yellowknife, N.W.T. X1A 2L9 Objective: Feasibility of intensive gyrfalcon study in spring, locate falcon/raven nests, estimate number of territorial pairs. Location: Pond Inlet. 840172 Licensee: Bob Bromley Department of Renewable Resources Yellowknife, N.W.T. X1A 2L9 Objective: Locate raptor/raven nests along rivers. Band as many young as possible without excess disturbance, including adults.

Location: Anderson and Horton Rivers.

840173 <u>Licensee</u>: Bob Bromley

Department of Renewable Resources

Yellowknife, N.W.T.

X1A 2L9

Objective: Assess viability of release sites by

examining prey of falcons for environmental contaminant loads.

Location: Fort Norman, Norman Wells.

840174 Licensee: Frank Miller

Canadian Wildlife Service

#1000, 9942-108 St. Edmonton, Alberta

T5K 2J5

Objective: Evaluate current (85-89) numbers of

Peary Caribou and muskoxen in High Arctic primarily on Queen Elizabeth.

Location: Small islands of Barrow Bathurst

Prince of Wales, Russell.

840175 Licensee: P.N. Boothroyd

Canadian Wildlife Service 501 University Crescent Winnipeg, Manitoba

R3T 2N6

Objective: Determine influence of oilfield expansion

on waterfowl use of river and importance

of area to water fowl.

Location: Mackenzie River from Keele River to

Tieda River.

840177 Licensee: R. Webb

R. Webb Environmental Service

c/o Esso Resources Norman Wells, N.W.T.

XOE OVO

Objective: Investigate numbers of migrating waterfowl

and use of artificial islands and

corresponding open water.

Location: Norman Wells, Mackenzie River.

840178

Licensee:

Graham Baird

Department of Renewable Resources

Yellowknife, N.W.T.

Objective:

Locate/count bears as they emerge from

dens along Horton River and coast of

Franklin Bay I.D. areas.

Location:

Paulatuk.

840179

Licensee:

Gordon S. Court

University of Alberta

913 Alder Ave,

Sherwood Park, Alberta

T8H 1V7

Objective:

Monitor chemical pollutant in imm. and adult falcons and in their primary prey

species.

Location:

Rankin Inlet area.

840180

Licensee:

Dr. Robert D. Montgomerie

Department of Biology Queen's University Kingston, Ontario

K7L 3N6

Objective:

Studies of foraging, use of space, and

parental care of High Arctic birds in

the mating season.

Location:

Sarcpa Lake, Melville Peninsula.

840181

Licensee:

S. Scott Moorhouse

Woodward-Clyde Consultants

13102 Mercury Drive Littleton, Colorado

80124

Objective:

To study three types of Arctic Gulls in the area of Cape Dorset during July

and August.

Location:

Cape Dorset.

840182 Licensee: Kevin McCormick

Canadian Wildlife Service

P.O. Box 637

Yellowknife, N.W.T.

X1A 2N5

Objective: To determine the distribution, abundance

and habit of trumpeter swans in South

Nahanni Butte.

Location: Nahanni Butte.

840183 Keyin McCormick Licensee:

Canadian Wildlife Service

P.O. Box 637

Yellowknife, N.W.T.

X1A 2N5

Objective: To determine distribution and abundance

of moulting geese along rivers.

Location: Burnside, Hood, James, Back River(s).

840184 Licensee: George Paul Dye

N.W. Waterfowl Game Farm

Rt. 1, Box 669

Everett, Washington U.S.A.

98205

Objective: To collect 30 Brant, 10 Kins Eider,

10 Old Squaw, and 12 ptarmigan eggs.

Location: Resolute Bay.

James R. Goldsberry 840185 Licensee:

U.S. Fish and Wildlife

Patuxent Wildlife Research Centre

Laurel, M.D. 20708

Objective: To capture and band ducks.

Mills Lake near Fort Providence. Location:

840186

Licensee:

Paul Kraft

NWT Wildlife Service

Department of Renewable Resources

Inuvik, N.W.T.

XOE OTO

Objective:

To capture 24 beaver and transplant

them to Aklavik.

Location:

Aklavik, Fort Norman, Norman Wells.

840187

Licensee:

Steven Matthews

NWT Wildlife Service

Department of Renewable Resources

Fort Simpson, N.W.T.

XOE ONO

Objective:

Monitor raptors along the Norman Wells

Pipeline Project.

Location:

Norman Wells Pipeline Project.

840188

Licensee:

Keith Howe

University of Western Ontario

R.R. 5

Aylmer, Ontario

N5H 2R4

Objective:

To collect ducks, geese and ptarmigan.

Location:

Southampton Island, Eskimo Point.

840189

Licensee:

Austin Reed

Canadian Wildlife Service

P.O. Box 10100 Ste-Fow, Quebec

G1V 4H5

Objective:

To survey greater snow geese on Somerset

Island, band and survey Atlantic Brant

on Bathurst and Dewy Soper.

Location:

Somerset Island, Bathurst Island and

Dewy Soper Bird Sanctuary.

840190 <u>Licensee</u>: Margaret M. Bertulli

Northern Heritage Society

Box 475

Yellowknife, N.W.T.

X1A 2N4

Objective: To capture and recapture lemmings,

study behavior of Arctic birds, study

insect and plant relationships.

Location: Truelove Lowlands, Deven Island.

840191 Licensee: Hugh G. Lloyd

Adult Education Centre

Igloolik, N.W.T.

XOA OLO

Objective: To collect bird specimens male and female.

Location: Northern Foxe Basin.

840192 Licensee: Alex Dzubin

Canadian Wildlife Service

115 Perimeter Road Saskatoon, Saskatchewan

S7N OX4

Objective: Study breeding ecology of eiders and

fulmars, and collect birds as well as

document food habits.

Location: Cardigan Strait Polyna Devon Island.

840193 Licensee: David Muirhead

Ecology North

Box 248

Yellowknife, N.W.T.

X1A 2N2

Objective: To continue raven banding project.

Location: Yellowknife area.

840194

Licensee:

Riley B. McCelland

University of Montana Missoula, Montana U.S.A. 59812

Objective:

To conduct aerial surveys of radio

collared bald eagles nest sites.

Location:

Yellowknife area.

840195

Licensee:

Graham Baird

NWT Wildlife Service

Department of Renewable Resources

Inuvik, N.W.T.

XOE OTO

Objective:

To locate and count Dall's Sheep.

Location:

Richardson Mountains.

840196

Licensee:

G.P. Kershaw

University of Alberta Edmonton, Alberta

T6G 2H4

Objective:

To monitor small mammals populations

with disturbed habitats along the

Dempster Highway.

Location:

Dempster Highway.

840197

Licensee:

G.P. Kershaw

University of Alberta Edmonton, Alberta

T5G 2H4

Objective:

To monitor small mammal populations

in the area.

Location:

MacMillan Pass - Tschiu River area.

840198 Licensee: S.J. Toole

Ontario Min. of Natural Resources

P.O. Box 190 Moononee, Ontario

POL 1YO

Objective: To capture and band up to 3000

Canada Geese.

Location: Akimiski Island.

840199 Licensee: Robert Decker

NWT Wildlife Service

Department of Renewable Resources

Yellowknife, N.W.T.

X1A 2L9

Objective: To obtain baseline information on

distribution of wildlife and their

habitat use.

Location: Southern Baffin Island.

840200 Licensee: Rick Ortlieb

Kortrisht Wildlife Centre

387 Kortrisht Road Guelph, Ontario

N1H 6J3

Objective: To collect 30 King Eider and 30 Old

Squaw eggs.

Location: Prince Patrick and Melville Island.

840203 Licensee: Norman Nesus

University of Utah Department of Biology Salt Lake City, Utah

84112

Objective: To investigate interaction of lemmings

and their food plants.

Location: Igloolik.

840204

Licensee:

Duncan M. Cameron

University of York Faculty of Science 4700 Keele St.

Downsview, Ontario

M3J 1P3

Objective:

Survey of mammalian fauna and keeping

of specimens.

Location:

Sarcpa Lake region, Melville Peninsula.

840205

Licensee:

Mike Ferguson

NWT Wildlife Service

Department of Renewable Resources

Frobisher Bay, N.W.T.

XOA OAO

Objective:

Tag 700 caribou, study effects of tagging,

observe physical condition, data on age

and sex composition.

Location:

Southern Camsell Bay and Netilling Lake.

840206

Licensee:

Len Mychasiw

Department of Renewable Resources

Yellowknife, N.W.T.

X1A 2L9

Objective:

Map the vegetation and determine the

use of various habitats by bison.

Location:

Mackenzie Bison Sanctuary.

840207

Licensee:

Ken Hudson

Fort Smith Hunters and Trappers Association

Fort Smith, N.W.T.

XOE OPO

Objective:

To conduct a beaver transplant.

Location:

Traplines 801, 811 & 834 in the

Fort Smith area.

840208 Licensee: Anne Gunn

Department of Renewable Resources

Cambridge Bay, N.W.T.

XOE OCO

Objective: Determine the number of muskoxen and

grizzly bears east of Bathurst Inlet.

Location: Bathurst Inlet.

840209 Licensee: Dr. Thomas Smith

Renewable Resources Training Program

Thebacha College Fort Smith, N.W.T.

XOE OPO

Objective: Collect up to 16 common or King Eiders

or a combination there of for training

purposes.

Location: Minto Inlet on Victoria Island.

840210 Licensee: Gord Stenhouse

Renewable Resources Regional Biologist Rankin Inlet, N.W.T.

Objective: To capture, tag and mark polar bears

for estimating their population in

Foxe Basin area.

Location: Southampton Island, Coats Island.

840211 Licensee: Doug Heard

Renewable Resources Caribou/Wolf Biologist

Wildlife Population Management

Yellowknife, N.W.T.

Objective: To immobilize up to 10 barren ground

caribou and to place radio collars on

the immobilized caribou.

Location: Keewatin district.

840212 <u>Licensee</u>: John Bailey

Renewable Resources

Assistant Regional Superintendent

Frobisher Bay, N.W.T.

Objective: To live capture and band passage

gyrfalcons and peregrine falcons.

Location: Clyde River.

840213 <u>Licensee</u>: Kent Jingfors

Regional Biologist Renewable Resources Inuvik, N.W.T.

Inuvik, N.W.I.

Objective: To determine early winter distribution

and abundance population characteristics

and habitat use of moose.

Location: Mackenzie River Valley West of Norman Wells.

840214 Licensee: Anne Gunn

Regional Biologist Renewable Resources Cambridge Bay, N.W.T.

Objective: To determine the number and distribution

of grizzly bears in the Coppermine area.

Location: Cape Young (E) to Port Epworth, (S)

to A. Circle.

840215 Licensee: Dr. J.A. Bradley

Animal Diseases Research Institute

Box 640

Lethbridge, Alberta

T1J 3Z4

Objective: To monitor the incidence of rabies in

the High Arctic to provide information

to medical services of NWT.

Location: Banks Island, Cambridge Bay, Gjoa Haven,

Spence Bay.

SONUT SINT Scientific Research 1984

Permit Number

840216

Licensee:

Anne Gunn

Regional Biologist Renewable Resources Cambridge Bay, N.W.T.

Objective:

To immobilize and ear-tag up to 20

muskoxen and to locate and observe

tagged muskoxen.

Location:

Southeast Victoria Island.

840217

Licensee:

Michael Ferguson

Regional Biologist Renewable Resources Frobisher Bay, N.W.T.

Objective:

To estimate the number and distribution

of South Baffin caribou.

Location:

South Baffin Island.

840218

Licensee:

Marc Cattet

Department of Zoology University of Alberta Edmonton, Alberta

T6G 2E9

Objective:

To accompany hunters and collect data at

kill sites of polar bears and collect

carcasses at check station.

Location:

Coral Harbour area.

840219

Licensee:

Steve Matthews

Pipeline Monitoring Biologist

Renewable Resources

Box 240

Fort Simpson, N.W.T.

Objective:

To conduct ground surveys to determine

ungulate and furbearer movements and

distribution along pipeline.

Location:

Norman Wells pipeline area.