

# **AERIAL OBLIQUE PHOTOGRAPHS**

## **BATHURST ISLAND**

### **N.W.T.**

EDITED BY

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ATLANTIC GEOSCIENCE CENTRE

DARTMOUTH, NOVA SCOTIA

FUNDED THROUGH

**NATIONAL ENERGY RESEARCH AND DEVELOPMENT PROGRAM**

**TRANSPORT CANADA**

**AND**

**ENERGY, MINES AND RESOURCES, CANADA**

GEOLOGICAL SURVEY OF CANADA

**OPEN FILE REPORT 1706**

1987

## **COASTAL PHOTOGRAPHS TAKEN BY**

S.B. McCANN, DUNDAS, ONTARIO,  
UNDER CONTRACT DSS. 08SC.23420-0-M533.  
AUGUST, 1980.

**FIELD PERSONNEL:** S.B. McCANN, M.K. WOO AND P. STEER.

**DATE OF PHOTOGRAPHY:** AUGUST 6 AND 8, 1980.

**AIRCRAFT:** FIXED WING -- TWIN OTTER.

**AIR SPEED:** 115 KNOTS. **FLYING HEIGHT:** 60-150 METRES

**FLIGHT PATH:** PARALLEL TO SHORE (400-800 METRES  
OFFSHORE.)

**FILM:** 35 mm, KODACHROME 64 ASA.

## **ATLAS COMPILER AND DRAFTSPERSON:**

B. LOCK, KITTIWAKE ILLUSTRATIONS,  
DARTMOUTH, NOVA SCOTIA.

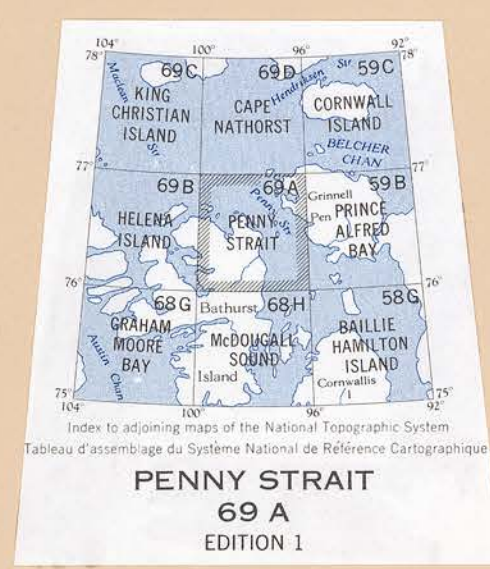
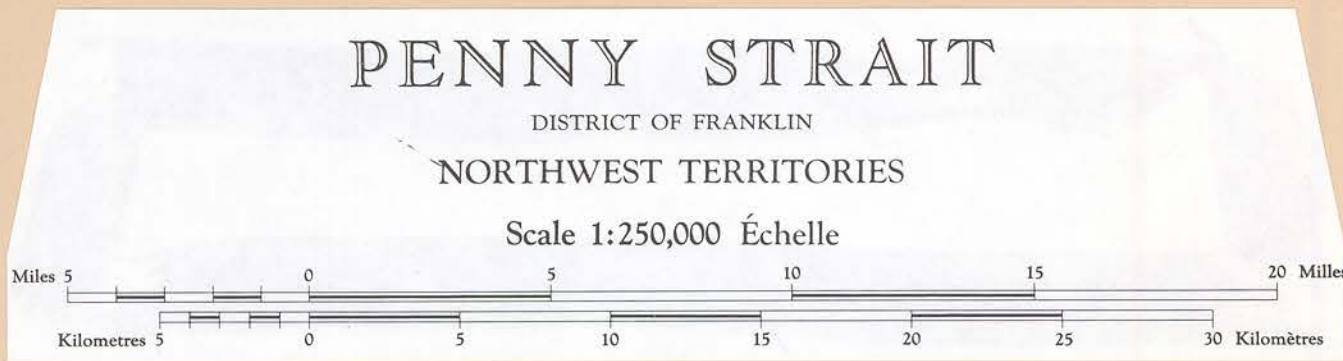
## **ABSTRACT**

Oblique, aerial coastal photographs of northwest Devon Island and northeast Bathurst Island were taken in August 1980 by S.B. McCann, under contract to the Geological Survey of Canada. The photography was used in the mapping of the physical shore zone characteristics and geological hazards observed along these coasts. The photography and subsequent coastal maps form part of a larger GSC objective to document and understand the coastal morphology and processes of the Canadian Arctic Islands. The present study was primarily funded under the National Energy Research and Development Program, through Transport Canada and Energy, Mines and Resources, Canada.

The photographs are presented in two volumes: northwest Devon Island and Bathurst Island, N.W.T.. Each album contains one or more topographic maps (1:250,000) that show the general photographic coverage on each island. The location of individual photographs and ground surveys are shown on a series of vertical air photo mosaics (1:60,000) and the geographic extent of each mosaic is referenced on the topographic maps. The photos are mounted and labelled, sixteen to a page, in sequential order along the coast with ground photos inserted where available.

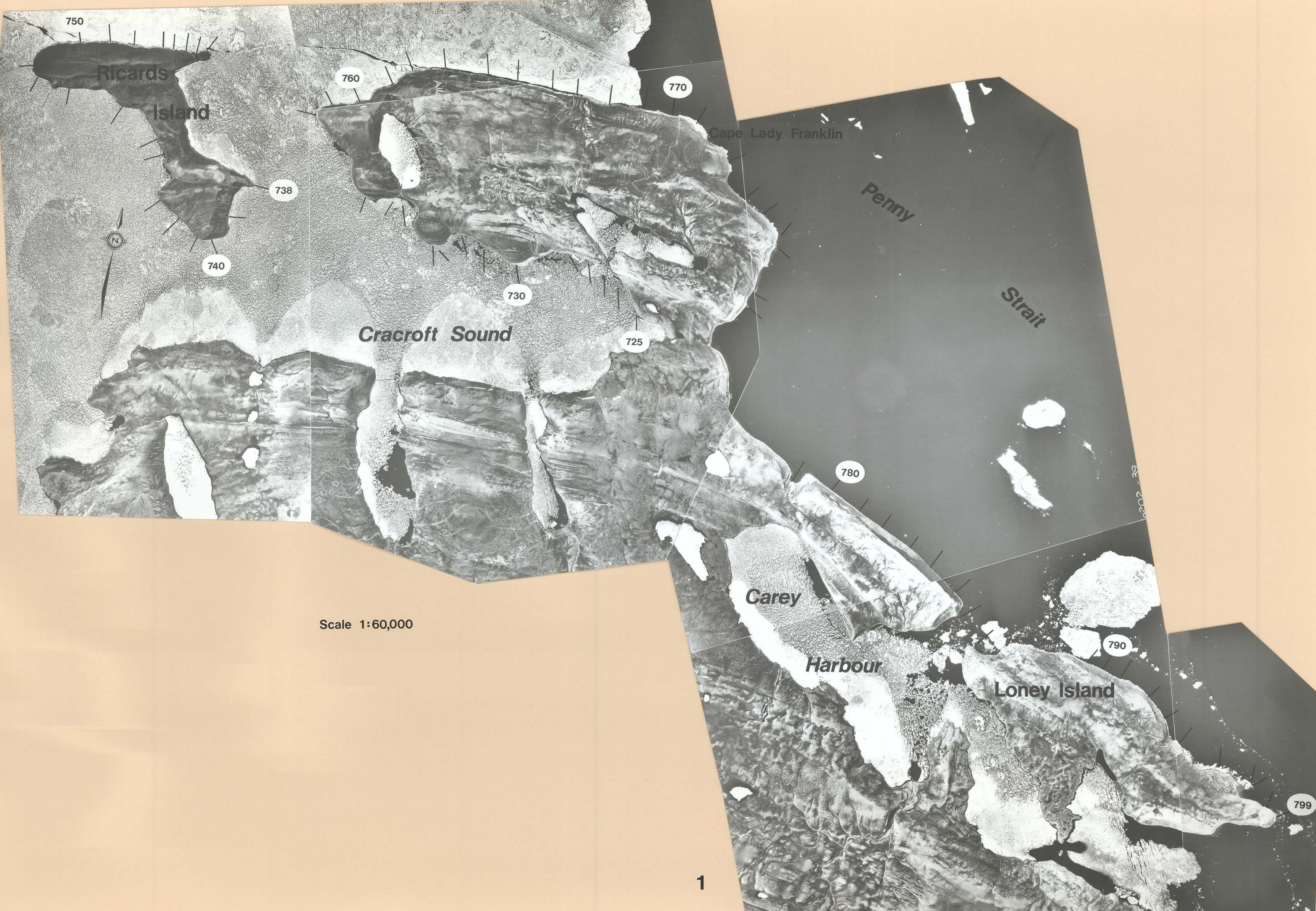
For northwest Devon Island, the photos begin on the west coast at 76° N latitude and continue in a clockwise direction around the Grinnell Peninsula and along northern Devon Island to roughly 92° 30' W. Many of the small adjacent islands (Dundas, Margaret, Dyer, Pioneer, Crescent, Herbert, Table and Exmouth) are at least partially covered by the oblique photography. The photos of Bathurst Island begin in Cracroft Sound at the northeastern corner of the Island and continue southward along the east coast to roughly 76° N.





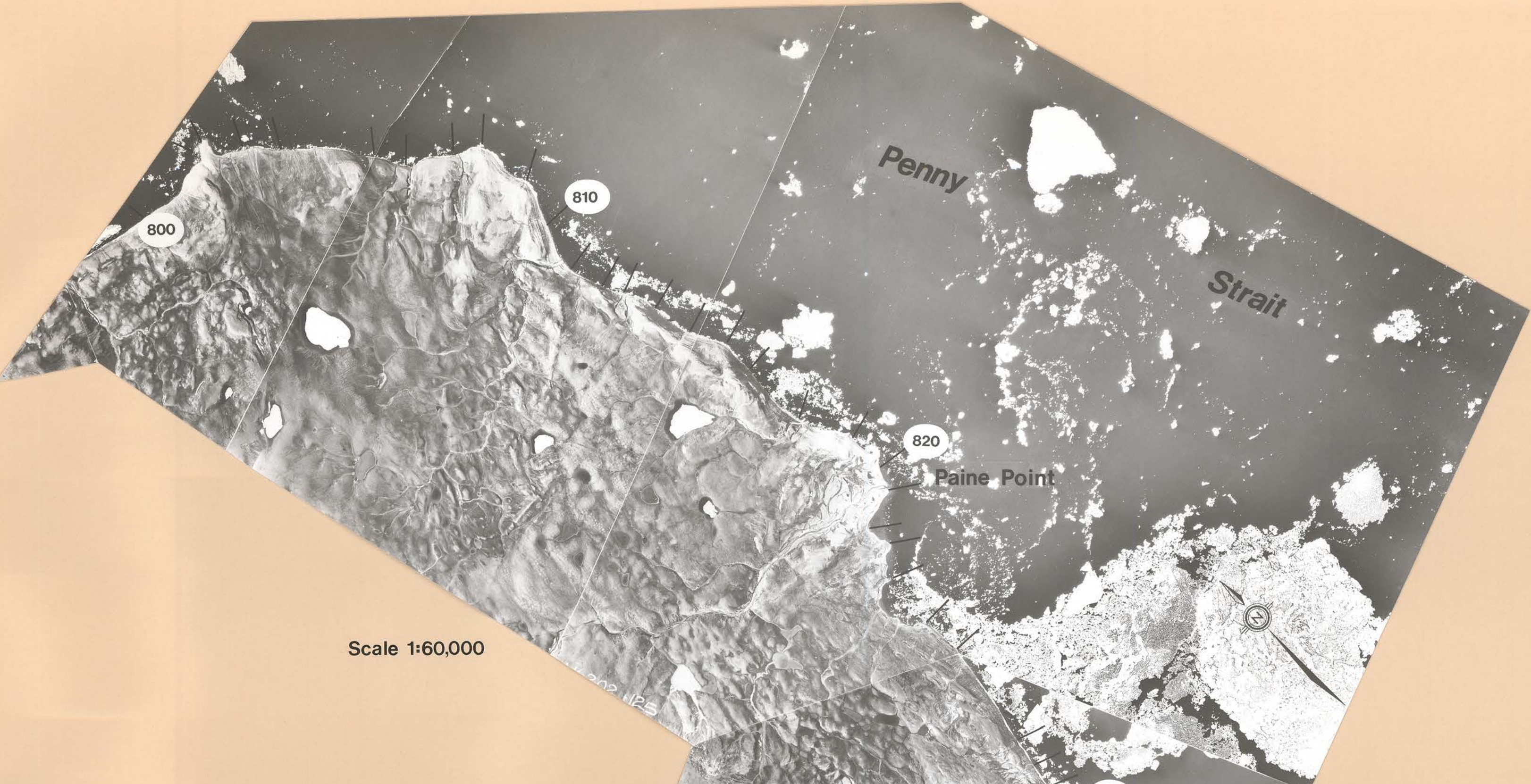
Air photo Mosaics



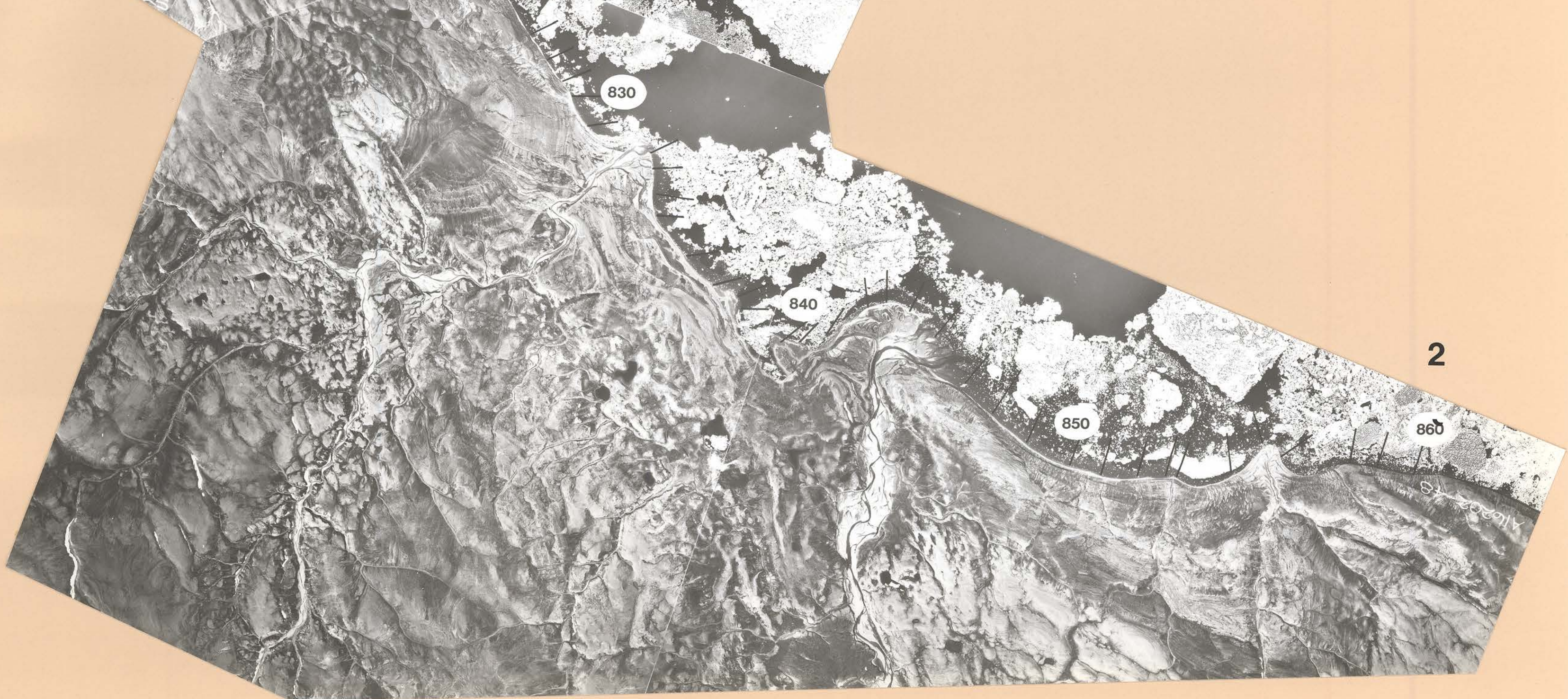


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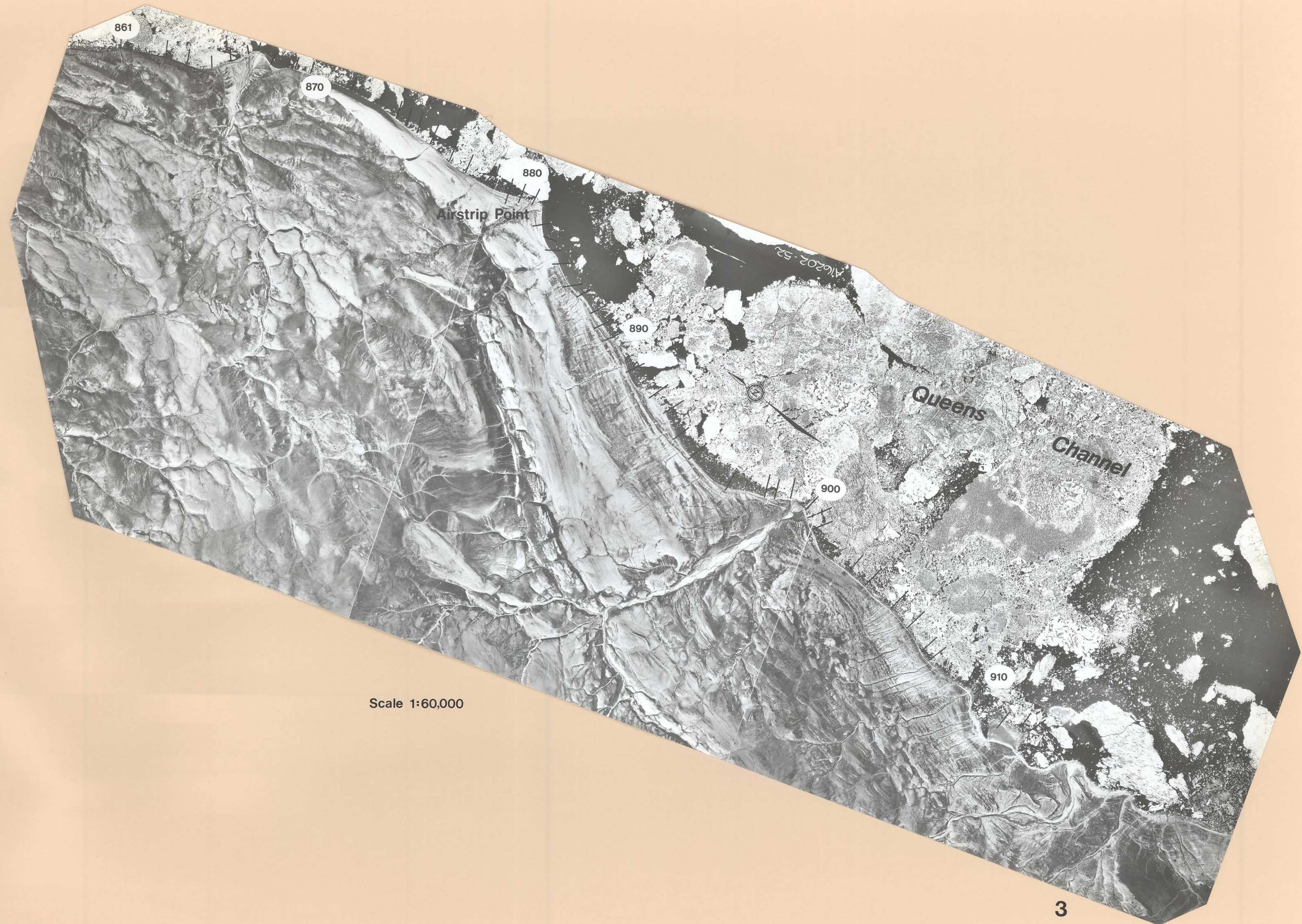




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Scale 1:60,000





N.E. BATHURST ISLAND

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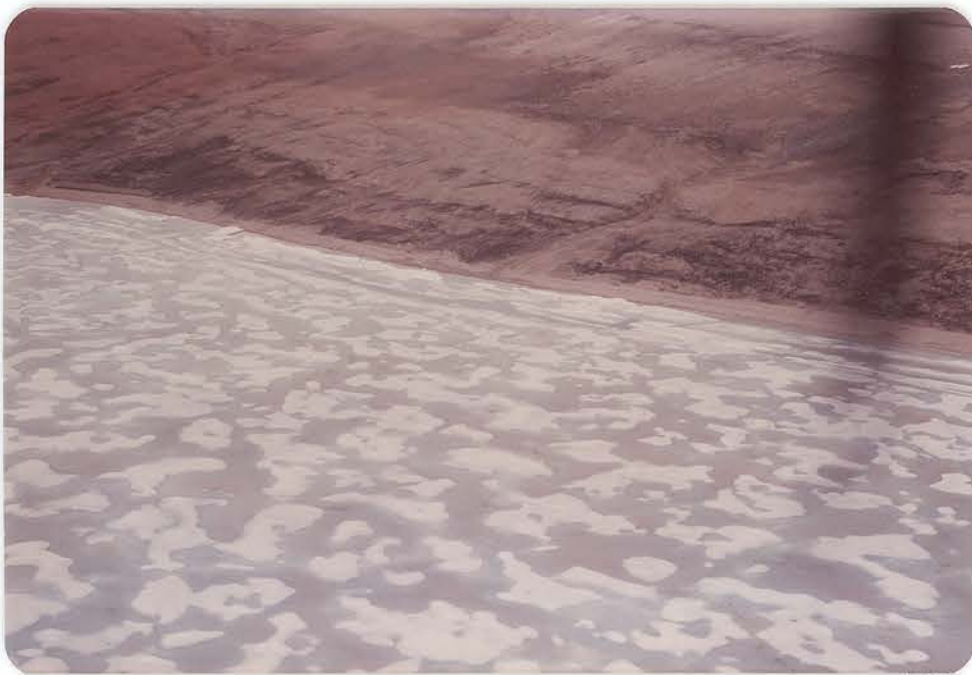
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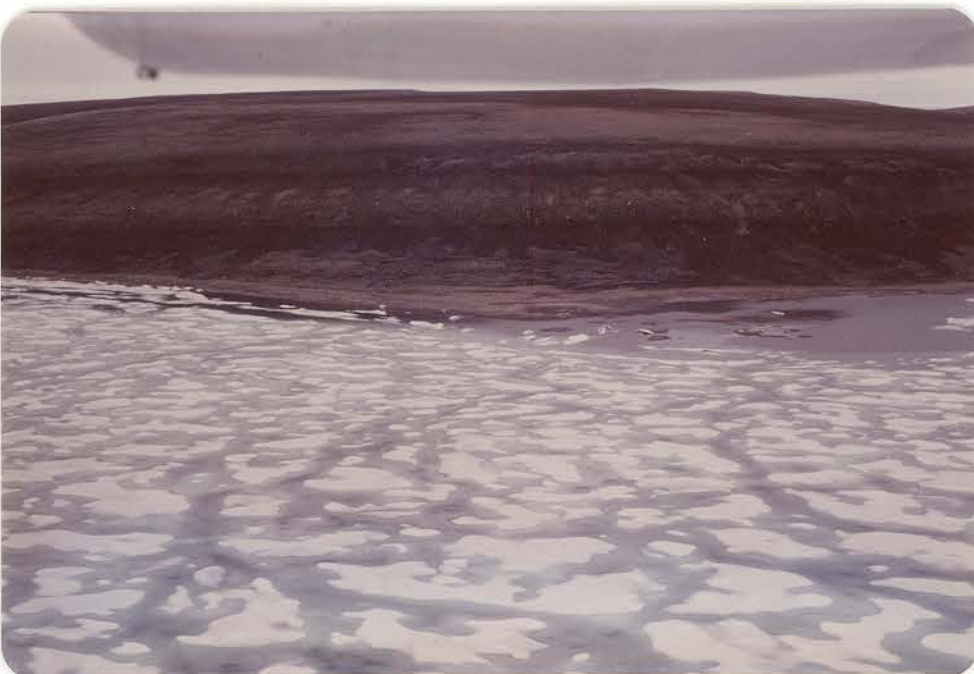
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RICARDS ISLAND



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N.E. BATHURST ISLAND

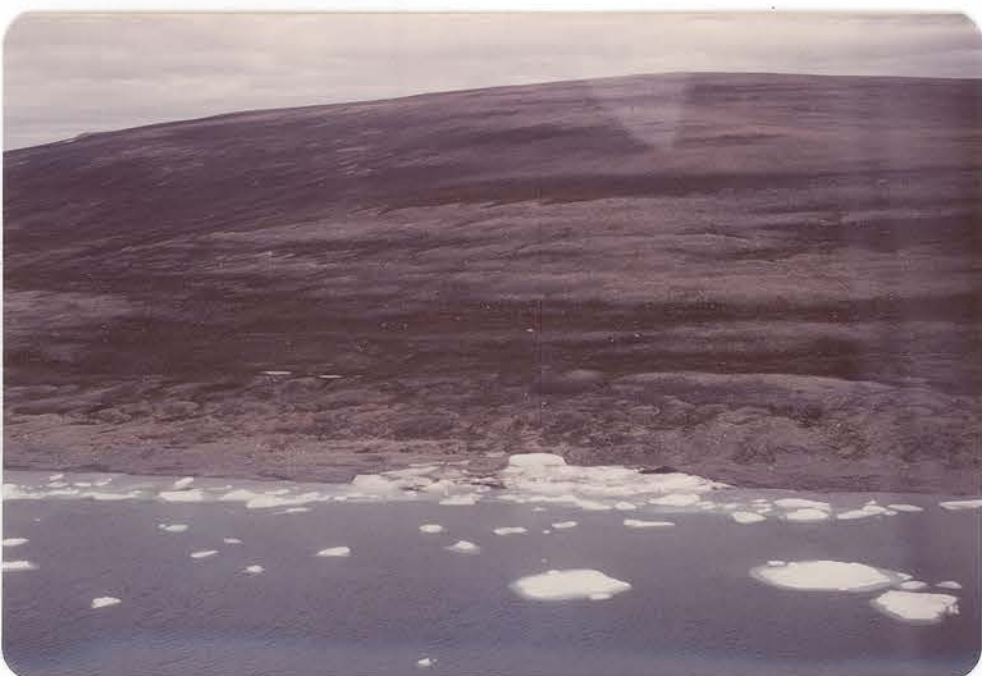
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CAPE LADY FRANKLIN





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CAPE KITSON



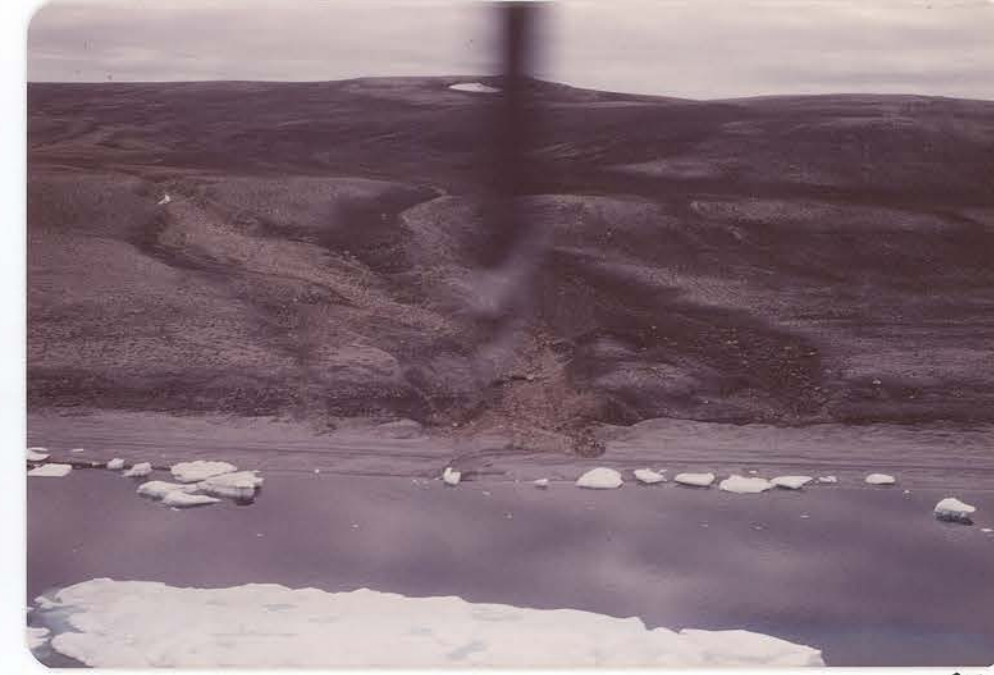
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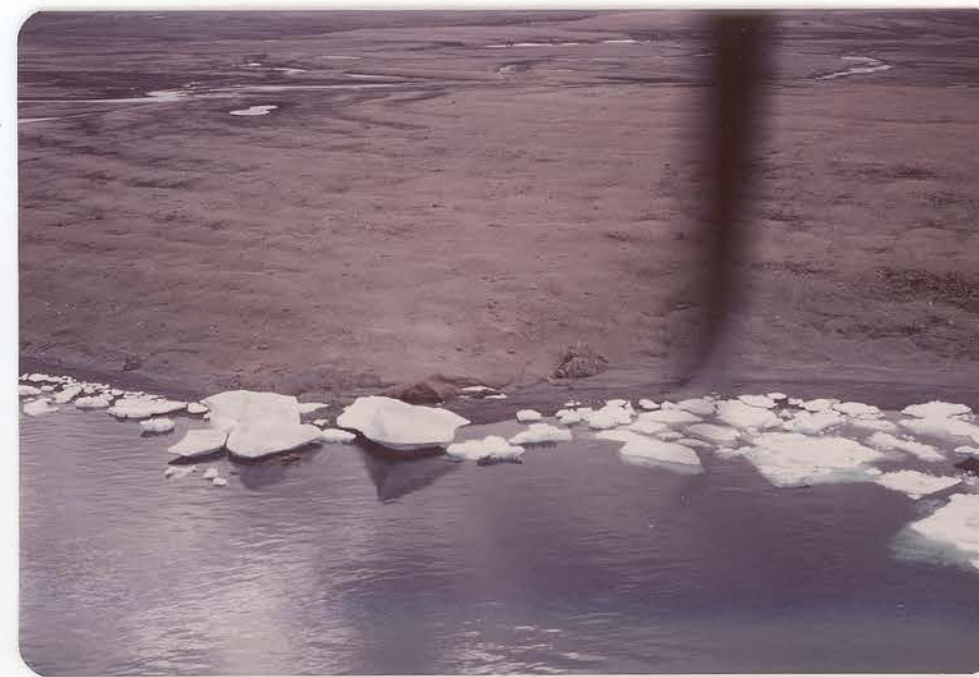
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PAINE POINT





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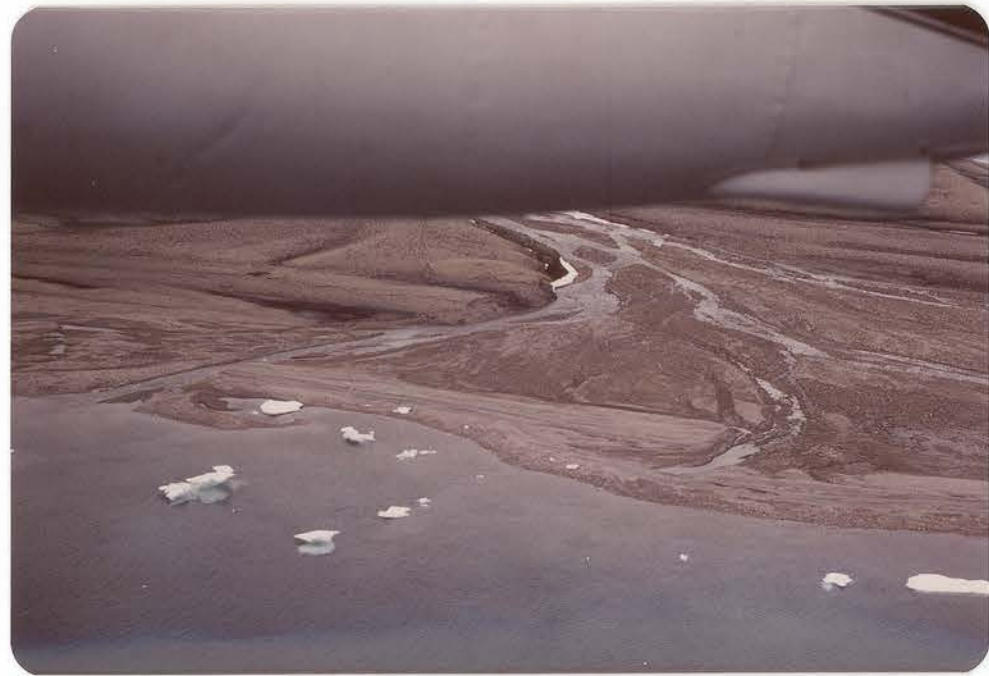
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SARGENT POINT

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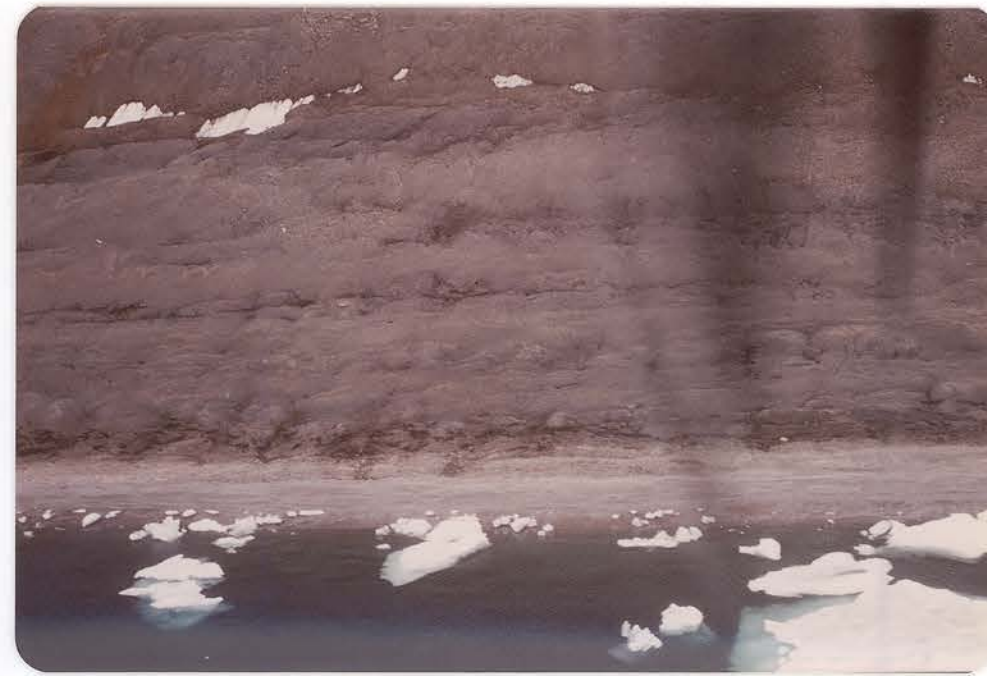
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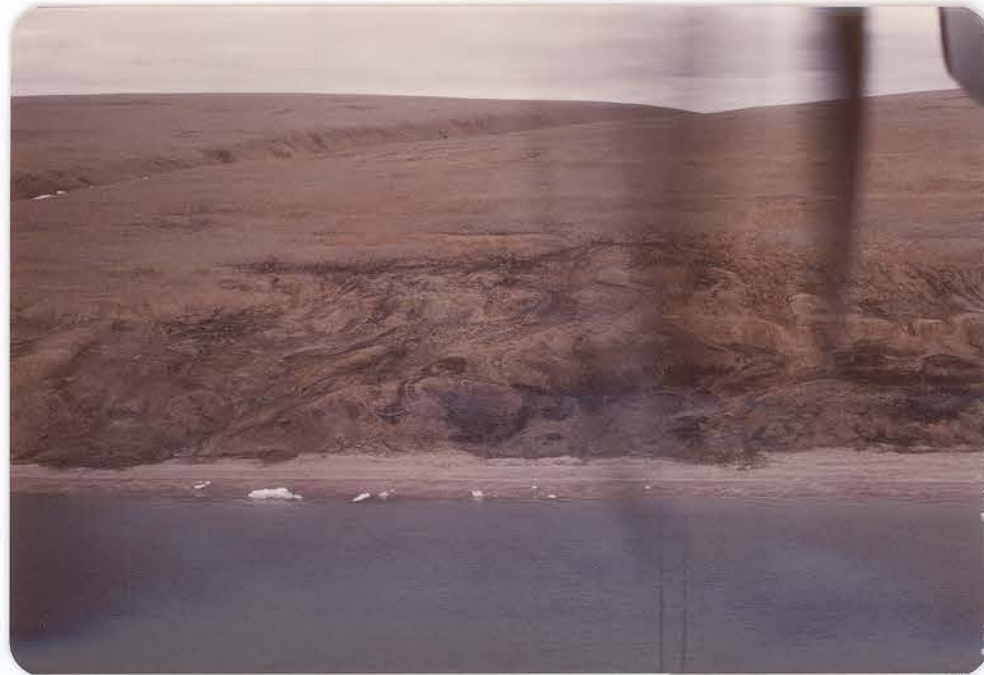
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AIRSTRIPT POINT





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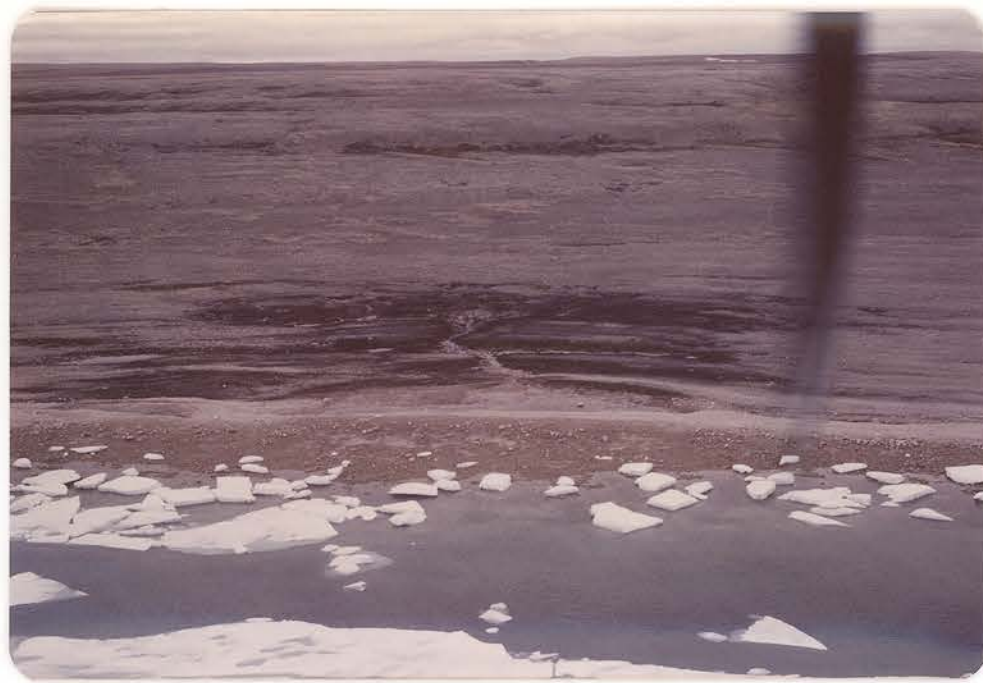




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