

STATE OF ALASKA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

February 1973

This report is preliminary and has not been edited or reviewed for conformity with Alaska Geological & Geophysical Surveys standards.

Alaska Open File Report 2  
AEROMAGNETIC MAP, SOUTHEASTERN  
PART OF TELLER QUADRANGLE, ALASKA

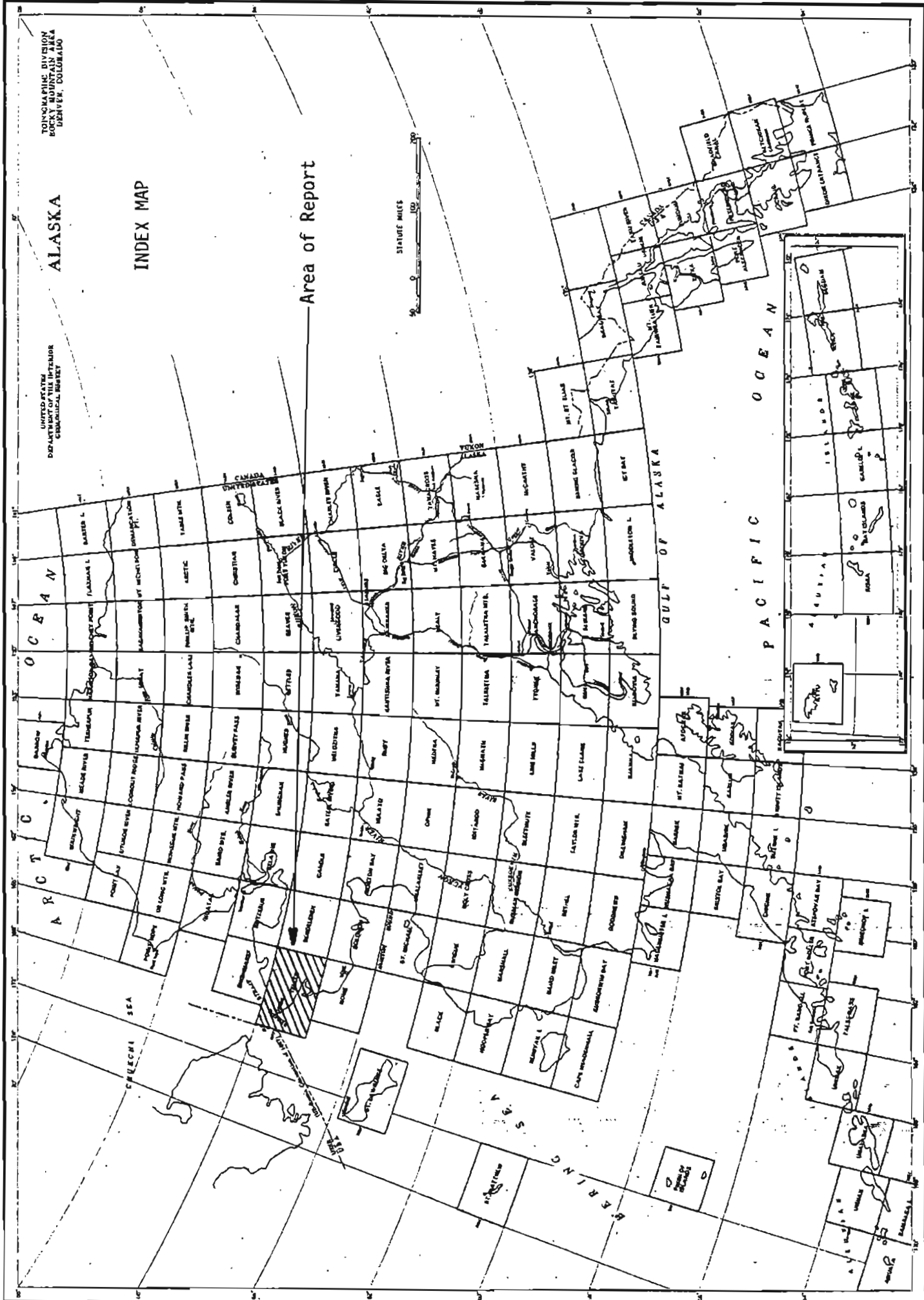
TOINOMAPIC DIVISION  
BUREAU OF BUREAU AREA  
DENVER, COLORADO

UNITED STATES  
DEPARTMENT OF AGRICULTURE  
GEOLOGICAL SURVEY

# ALASKA

## INDEX MAP

Area of Report



GULF OF ALASKA

PACIFIC OCEAN

BERING SEA

CHUKCHI SEA

COAST RANGE

ST. LAWRENCE ISLAND

ST. MARY ISLAND

ST. MICHAEL ISLAND

ST. PETER ISLAND

ST. JOHN ISLAND

ST. GEORGE ISLAND

ST. ANDREW ISLAND

ST. CECILIA ISLAND

ST. CATHERINE ISLAND

ST. ANNE ISLAND

ST. MARGARET ISLAND

ST. MARYS BAY

ST. MARYS ISLAND

ST. MARYS PENINSULA

ST. MARYS MOUNTAINS

ST. MARYS RIVER

ST. MARYS LAKE

ST. MARYS CREEK

ST. MARYS SPRING

ST. MARYS FALLS

ST. MARYS CANYON

ST. MARYS PLATEAU

ST. MARYS MOUNTAIN

ST. MARYS HILLS

ST. MARYS VALLEY

ST. MARYS BASIN

ST. MARYS PLAIN

ST. MARYS TERRACE

ST. MARYS CLIFF

ST. MARYS RIDGE

ST. MARYS SPUR

ST. MARYS BRANCH

ST. MARYS LIMB

ST. MARYS TIP

ST. MARYS POINT

ST. MARYS HEAD

ST. MARYS NECK

ST. MARYS Isthmus

ST. MARYS Peninsula

ST. MARYS Promontory

ST. MARYS Point

ST. MARYS Spit

ST. MARYS Shoals

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AEROMAGNETIC PROGRAM  
OF THE  
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

The Alaska Geological and Geophysical Surveys Aeromagnetic Program is a 100% State funded exploration project that was started in 1971. Under the direction of the Survey, an aeromagnetic contractor flies the aeromagnetic profiles, compiles the data and prints the maps.

Two hundred (200) maps at 1:63,360 scale are printed for sale by the Survey and when this supply is gone an original mylar of each map will be open filed. A composite 1:250,000 map of each USGS quadrangle is also made and open filed as soon as completed.

## TECHNICAL INFORMATION

### 1971 - 1973 DATA

The survey flight lines are spaced 3/4 mile apart and 1000 feet above ground level where possible. Tie lines were flown at 15 mile intervals normal to the flight lines. The fluxgate magnetometer signal was recorded in flight on a paper strip chart recorder. The diurnal variation was recorded by a ground station. Aircraft altitude was determined by radio altimeter and recorded in flight on a paper strip chart recorder. Aerial photography on 35 mm black and white film at 3-second intervals was used to plot the aircraft flight path. The regional field was removed from the magnetic data and corrections were made for diurnal variation.

### 1974 DATA

Survey lines were flown 1 mile apart with 15 mile tie lines. Data recorded digitally. Maps digitally contoured. Details of digital recording and processing available on request.

The original field data are kept in the Division of Geological and Geophysical Surveys offices and may be copied at the expense of the interested person.

For information concerning the aeromagnetic program, contact the State Geological and Geophysical Surveys, 3001 Porcupine Drive, Anchorage, Alaska 99501, telephone (907) 279-1433.

AEROMAGNETIC OPEN FILE SERIES

(1:250,000)

<u>OPEN FILE</u>	<u>DATE FLOWN</u>	<u>QUADRANGLE</u>
1	1971	Selawik
2	1971	Teller
3	1971	Bendeleben
4	1971	Candle
5	1971	Nome
6	1971	Solomon
7	1971	Norton Bay
8	1971	Fairbanks (south)
9	1971	Healy
10	1971	Mt. Hayes
11	1971	Tanacross
12	1971	Gulkana
13	1971	Nabesna
14	1971	Bethel
15	1971	Goodnews
16	1971	Hagemester Island
17	1971	Nashagak Bay
18	1972	Eagle
19	1972	Talkeetna
20	1972	Talkeetna Mts.
21	1972	Anchorage