

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

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

Alaska Open File Report # 79
AEROMAGNETIC MAP, NORTHWESTERN PART OF
SHUNGNAK QUADRANGLE, ALASKA

June 1975

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.



INDEX MAP

Area of Report

PACIFIC OCEAN

GULF OF ALASKA

10-22W
10-23W
10-24W
10-25W
10-26W
10-27W
10-28W
10-29W
10-30W
10-31W
10-32W
10-33W
10-34W
10-35W
10-36W
10-37W
10-38W
10-39W
10-40W
10-41W
10-42W
10-43W
10-44W
10-45W
10-46W
10-47W
10-48W
10-49W
10-50W
10-51W
10-52W
10-53W
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10-58W
10-59W
10-60W
10-61W
10-62W
10-63W
10-64W
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10-66W
10-67W
10-68W
10-69W
10-70W
10-71W
10-72W
10-73W
10-74W
10-75W
10-76W
10-77W
10-78W
10-79W
10-80W
10-81W
10-82W
10-83W
10-84W
10-85W
10-86W
10-87W
10-88W
10-89W
10-90W
10-91W
10-92W
10-93W
10-94W
10-95W
10-96W
10-97W
10-98W
10-99W
10-100W

OCEAN

PACIFIC

180° 175° 170° 165° 160° 155° 150° 145° 140° 135° 130° 125° 120° 115° 110° 105° 100° 95° 90° 85° 80° 75° 70° 65° 60° 55° 50° 45° 40° 35° 30° 25° 20° 15° 10° 5° 0°

SEA

BENTON

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	Hagemeister Island
17	1971	Nashagak Bay
18	1972	Eagle
19	1972	Talkeetna
20	1972	Talkeetna Mts.
21	1972	Anchorage
73	1973	Big Delta
76	1974	Ambler River
77	1974	Baird Mountains
78	1974	Selawik
79	1974	Shungnak

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