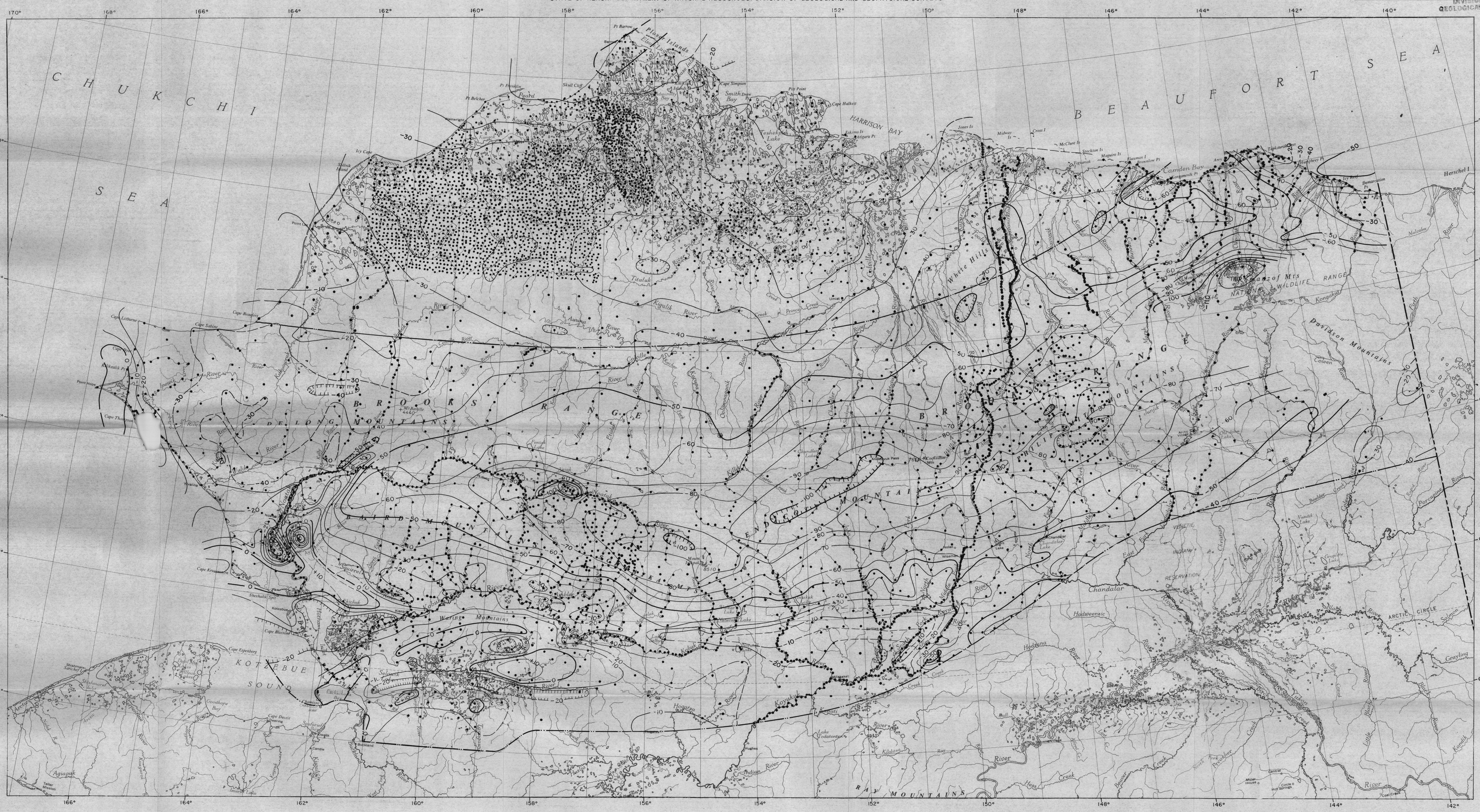
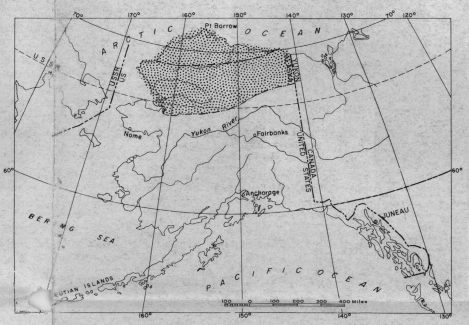
U.S. GEOLOGICAL SURVEY
OPEN FILE MAP
77-166A

PROPERTY OF
LIBRARY
STATE OF ALASKA
DIVISION OF
GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES, DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS





Area of this report

Boundary of Northern Alaska Regional Mineral Assessment Program (RAMRAP) as used in this study

SCALE 1:1 000 000

25 0 25 50 75 100 MILES

25 0 25 50 75 100 KILOMETERS

BOUGUER GRAVITY MAP OF NORTHERN ALASKA

By David F. Barnes

SIMPLE BOUGUER ANOMALIES

GRAVITY CONTOURS

CONTOUR INTERVAL IS 10 MILLIGALS, EXCEPT FOR OMISSIONS IN AREAS OF POOR CONTROL AND NEAR CONTINENTAL MARGIN

DASHED WHERE APPROXIMATELY LOCATED

HACHURES SHOW GRAVITY MINIMA

50 MILLIGAL CONTOURS EMPHASIZED

GRAVITY DATUM FROM IGSN 1971

REDUCTION ELLIPSOID FROM 1967 GEODETIC REFERENCE SYSTEM

REDUCTION DENSITY 2670 KILOGRAMS PER CUBIC METER

THIS REPORT IS PRELIMINARY AND HAS NOT BEEN EDITED OR REVIEWED FOR CONFORMITY WITH GEOLOGICAL SURVEY STANDARDS AND NOMENCLATURE.