DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
THE COMMONWEALTH OF PENNSYLVANIA, DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY

OPEN-FILE
Report No. 74-16

for the Buffalo quadrangle:
Principal facts of the IGRF field
Inclination 71° N
Declination 8° W
Total Intensity 57900 Gammas
Gradient East -17 Gammas/Mile
Gradient North 7.0 Gammas/Mile

INDEX OF MAP OF PENNSYLVANIA SHOWING LOCATION OF AEROMAGNETIC
MAPS OPEN FILED IN 1974. AREA OF THIS REPORT SHADED.

1. Cleveland and Erie
2. Warren and Buffalo
3. Pittsburgh and Cumberland
4. Williamsport
5. Harrisburg and Baltimore
6. Scranton and Newark

for the Warren quadrangle:
Principal facts of the IGRF field
Inclination 71° N
Declination 7° 30' W
Total Intensity 57500 Gammas
Gradient East -17 Gammas/Mile
Gradient North 7.4 Gammas/Mile

(200)
R290
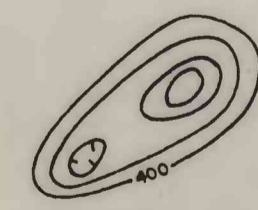no. 74-16

Base from U.S. Geological Survey, Warren, 1957-69; Buffalo, 1962

SCALE 1:250 000

5   0   5   10   15   20   25 MILES

5   0   5   10   15   20   25 KILOMETERS

Aeromagnetic survey flown by AIRMAG SURVEYS, INC.
and compiled by G₂ GEOPHYSICAL EXPLORATION CORPORATION
Flown at 1000 feet ground clearance, 1973

EXPLANATION

Magnetic contours

Contours show the reduced total magnetic field
intensity derived from the total magnetic field
with the Epoch 1965.0 international geomagnetic
reference field (Ref. "Grid Values of Total Magnetic
Intensity IGRF-1965" by E.B. Fabiano and
N.W. Peddie, Coast and Geodetic Survey Technical
Report No. 38, 55p. 1969) removed. Hachured to
indicate closed areas of lower magnetic intensity.
Contour intervals 10 and 50 gammas

Location of measured maximum or minimum
intensity within closed high or closed low

Flight path
Showing location and spacing of data

AEROMAGNETIC MAP OF PARTS OF THE WARREN AND BUFFALO 1° BY 2° QUADRANGLES, PENNSLVANIA
1974