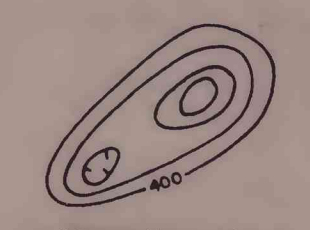


Aeromagnetic survey flown by AIRMAG SURVEYS, INC.
and compiled by G. GEOPHYSICAL EXPLORATION CORPORATION
Flight at 500 feet ground clearance, 1975

EXPLANATION

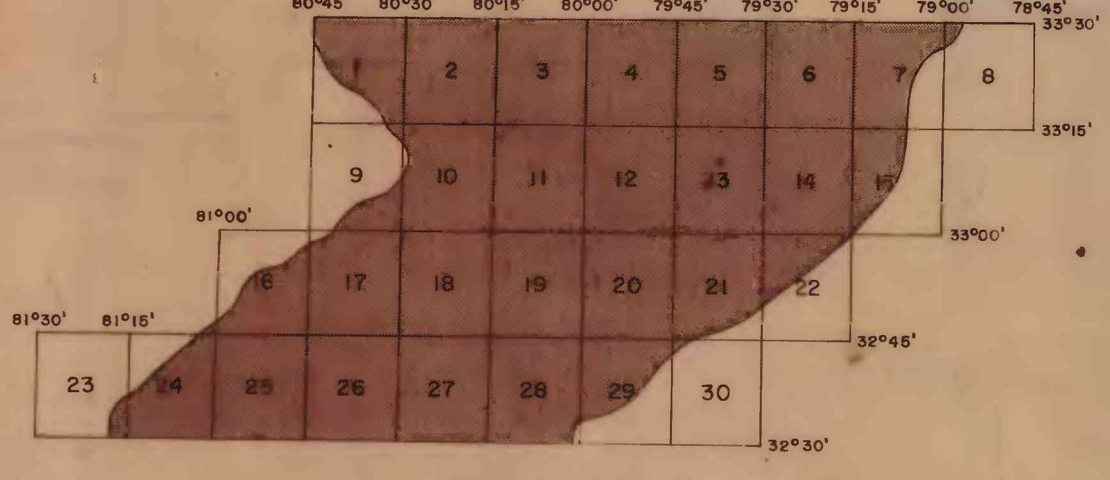


Magnetic contours
Contours show the reduced total magnetic field intensity derived from the total magnetic field with the Epoch 1965.0 international geomagnetic reference field (IGRF) (see Values of Total Magnetic Intensity (IGRF) - 1965.0 by G. B. Fagnano and N.W. Peddie, Coast and Geodetic Survey Technical Report No. 36, 550, 1969/removed). Tickures to indicate closed areas of lower magnetic intensity. Contour intervals 10 and 50 gammas.

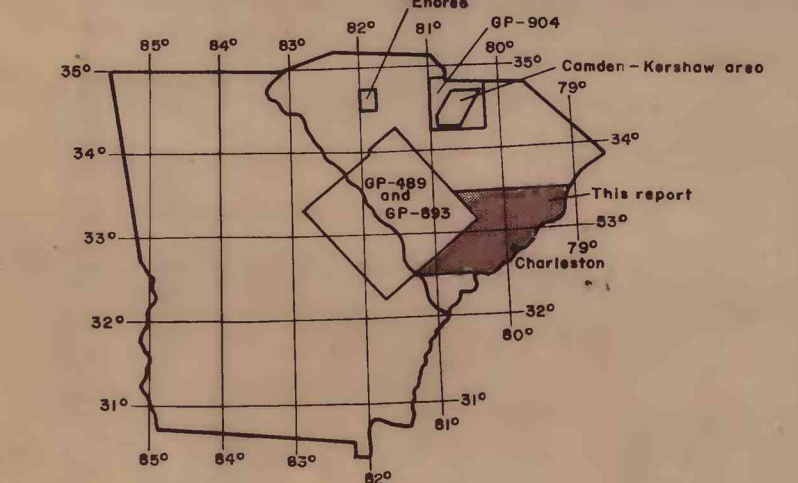
Location of measured maximum or minimum intensity within closed high or closed low

Flight path
Showing location and spacing of data

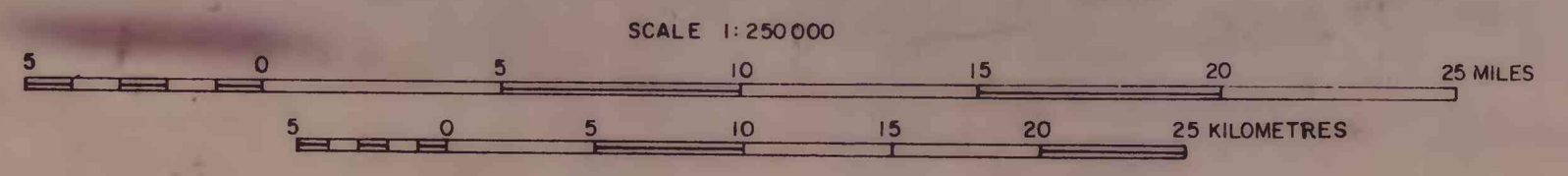
Note: Small, intensive magnetic anomalies north of Charleston and elsewhere on map are caused by industrial installations



Copies of 30 aeromagnetic maps, location shown at left, at 1:62,500 scale may be obtained at requester's expense from South Carolina State Development Board
Division of Geology
Harrison Forest Road
Columbia, South Carolina 29210



Index map of Georgia and South Carolina showing location of this and related reports.
17 This and related reports.
18 Charleston area.
19 Charleston area.
20 Charleston area.
21 Charleston area.
22 Charleston area.
23 Charleston area.
24 Charleston area.
25 Charleston area.
26 Charleston area.
27 Charleston area.
28 Charleston area.
29 Charleston area.
30 Charleston area.



Principal facts of the IGRF field
Inclination 66°10'N
Declination 2°11'W
Total intensity 53430 Gammas (Magnetic datum)
Gradient East -37 Gammas/Mile
Gradient North 8.22 Gammas/Mile

**AEROMAGNETIC MAP OF CHARLESTON AND VICINITY, SOUTH CAROLINA
1975**

- 1 Bowman
- 2 Eulowville
- 3 Chicora
- 4 Bonneau
- 5 Tio
- 6 Georgetown
- 7 Waverly Mills
- 8 Waverly Mills, east extension
- 9 St. George
- 10 Ridgeville
- 11 Summerville
- 12 Cordesville
- 13 Awnedaw
- 14 Santee
- 15 South Island
- 16 Cummings
- 17 Walterboro
- 18 Cottageville
- 19 Ravenel
- 20 Charleston
- 21 Bull Island
- 22 Bull Island, east extension
- 23 Shirley
- 24 Pineland
- 25 Yemassee
- 26 Green Pond
- 27 Edisto Island
- 28 Wadmaw Island
- 29 James Island
- 30 James Island, east extension

South Carolina (Charleston area), Aeromagnetic, 1:250,000, 1975.

cop. 1

75-590-A2 m