

EXPLANATION



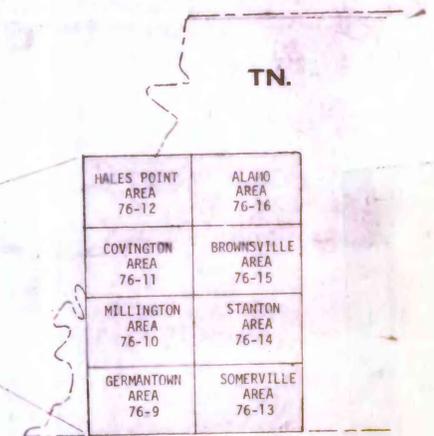
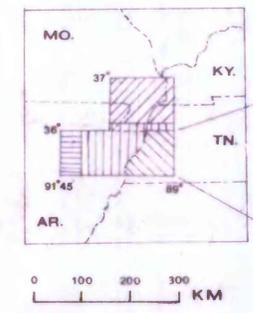
NOTE: Contours were computer generated. Some detail may have been lost in the process.

Showing residual magnetic field [\pm total scalar intensity with the IGRF (1965 version) removed after updating to the years in which the surveys were flown]. Hatched to indicate closed areas of lower magnetic intensity.

CONTOURS 50 GAMMAS
FLIGHT LINE SPACING 1.609 KILOMETERS*
FLIGHT ALTITUDE 0.3048 KILOMETERS
FLIGHT DIRECTION EAST - WEST

*West of longitude 91°15' flight line spacing was 0.8045 kilometers.

INDEX MAP SHOWING APPROXIMATE AREA OF COVERAGE

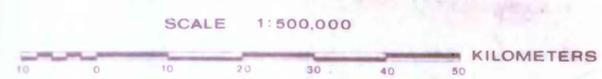


INDEX MAP SHOWING AREAS COVERED IN TVA REPORTS

-  Jespersen, Anna, 1964, Aeromagnetic prospecting for Bauxite deposits in the Mississippi Embayment, Missouri and Arkansas, GP-370.
-  Tennessee Valley Authority, 1976, Open-file reports 76-9 through 76-16.
-  U.S. Geological Survey, 1975, Aeromagnetic map of the New Madrid Region, Missouri-Kentucky-Arkansas-Tennessee, Open-file report 76-360.
-  U.S. Geological Survey, 1976, Aeromagnetic map of the Jonesboro Region, Arkansas-Missouri-Tennessee, Open-file report 76-318.

This map is preliminary and has not been edited or reviewed to conform to U.S. Geological Survey standards.

Note: Locations of state boundaries on the map were modified from the Tectonic Map of the United States (U.S. Geol. Survey and Am. Assoc. Petroleum Geologists, 1962). Generalization involved in enlarging these boundaries from the tectonic map at a scale of 1:2,500,000 has resulted in discrepancies in some locations amounting to several kilometers.



**AEROMAGNETIC MAP OF THE
NORTHERN MISSISSIPPI EMBAYMENT,
PARTS OF MISSOURI, ARKANSAS,
TENNESSEE AND KENTUCKY**
BY
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1977