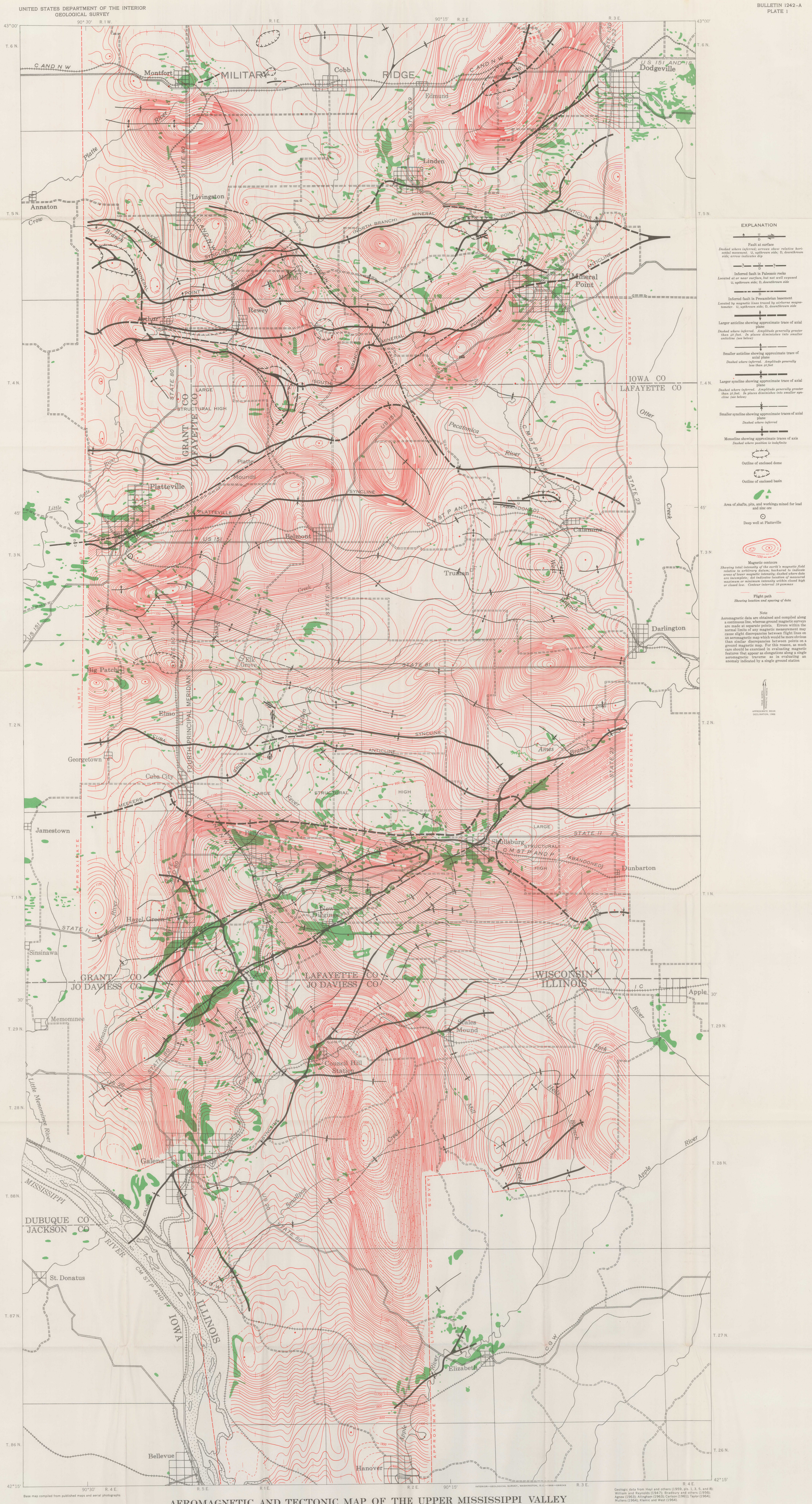
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1242-A
PLATE I

AEROMAGNETIC AND TECTONIC MAP OF THE UPPER MISSISSIPPI VALLEY ZINC-LEAD DISTRICT


EXPLANATION
Fault at surface
Dashed where inferred; arrows show relative horizontal movement; U, upthrown side; D, downthrown side; arrow indicates dip
Inferred fault in Paleozoic rocks
Located at or near surface, but not well exposed
Inferred fault in Precambrian basement
Located by magnetic lines traced by airborne magnetometer
Larger anticline showing approximate trace of axial plane
Dashed where inferred. Amplitude generally greater than 50 feet. In places diminishes into smaller anticline (see below)
Smaller anticline showing approximate trace of axial plane
Dashed where inferred. Amplitude generally less than 50 feet
Larger syncline showing approximate trace of axial plane
Dashed where inferred. Amplitude generally greater than 50 feet. In places diminishes into smaller syncline (see below)
Smaller syncline showing approximate traces of axial plane
Dashed where inferred
Monocline showing approximate traces of axis
Dashed where position is indefinite
Outline of enclosed dome
Outline of enclosed basin
Area of shafts, pits, and workings mined for lead and zinc ore
Deep well at Platteville
Magnetic contours
Showing total intensity of the earth's magnetic field relative to arbitrary datum; hachured to indicate areas of lower magnetic intensity; dashed where data are incomplete; dot indicates location of measured maximum or minimum intensity within closed high or closed low. Contour interval 10 gammas
Flight path
Showing location and spacing of data
Note
Aeromagnetic data are obtained and compiled along a continuous line, whereas ground magnetic surveys are made at separate points. Errors within the normal limits of any magnetic measurement may cause slight discrepancies between flight lines on an aeromagnetic map which would be more obvious than similar discrepancies between points on a ground magnetic map. For this reason, as much care should be exercised in evaluating magnetic features that appear as elongations along a single aeromagnetic traverse as in evaluating an anomaly indicated by a single ground station
APPROXIMATE MEAN DECLINATION, 1966
Platteville
Darlington
Dodgeville
Mineral Point
Livingston
Annaton
Montfort
Cobb
Linden
Edmund
Rewey
Elton
Belmont
Calamine
Truman
Rock Grove
Big Patch
Elmo
Georgetown
Cuba City
Jamestown
Hazel Green
Sinsinawa
Memomonee
Shullsburg
Dunbarton
Apple
Scales Mound
Council Hill Station
Galena
Elizabeth
Hanover
Bellevue
St. Donatus
Darlington
Truman
Calamine
Belmont
Platteville
Mounds
Pecatonica River
Platte River
Little Platte River
Grant River
Apple River
Menominee River
Little Menominee River
Mississippi River
Sinsinawa Mound
Big Patch
Rock Grove
Hazel Green
Council Hill
Scales Mound
Apple
Dunbarton
Shullsburg
Elizabeth
Hanover
Bellevue
Galena
St. Donatus
Georgetown
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