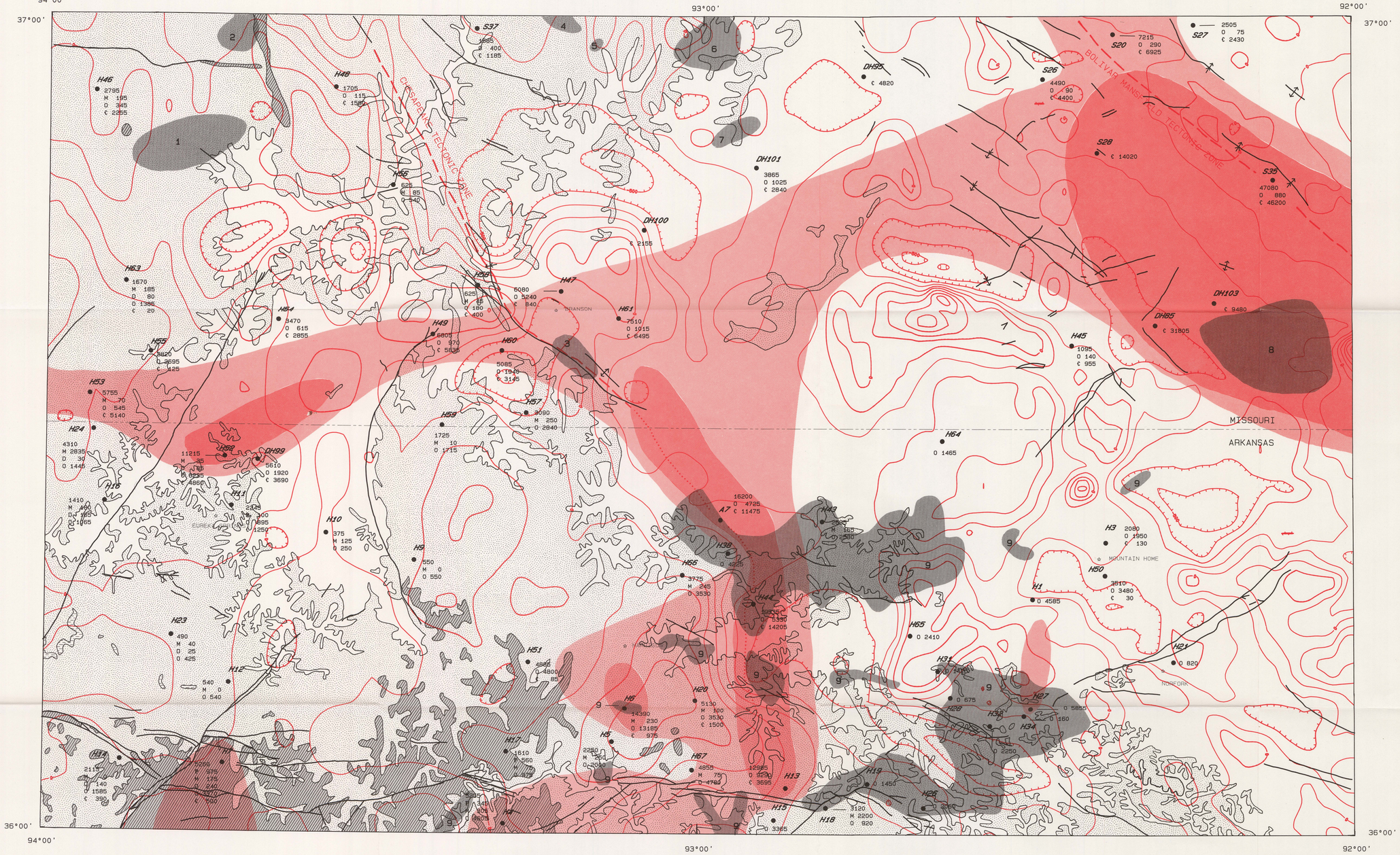
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE MISSOURI DEPARTMENT OF NATURAL RESOURCES,
DIVISION OF GEOLOGY AND LAND SURVEY, AND THE ARKANSAS GEOLOGICAL COMMISSION

MISCELLANEOUS FIELD STUDIES
MAP MF-1994-A
PAMPHLET ACCOMPANIES MAP
SHEET 1 OF 3



MAP A. SUMMARY GEOCHEMICAL AND GENERALIZED GEOLOGIC AND AEROMAGNETIC MAP OF THE HARRISON 1° X 2° QUADRANGLE, ARKANSAS AND MISSOURI

Geologic base compiled by Arkansas Geological Commission and Missouri Geological Survey, unpub. data, 1988
Aeromagnetic base compiled by Ann E. McCafferty and R. E. Bracken, U.S. Geological Survey, unpub. data, 1988
Tectonic zones in Missouri from Kisvarsanyi, 1984
Mining districts compiled by M. C. McFarland, Missouri Geological Survey, and J. D. McFarland, Arkansas Geological Commission, unpub. data, 1987

EXPLANATION FOR MAP A

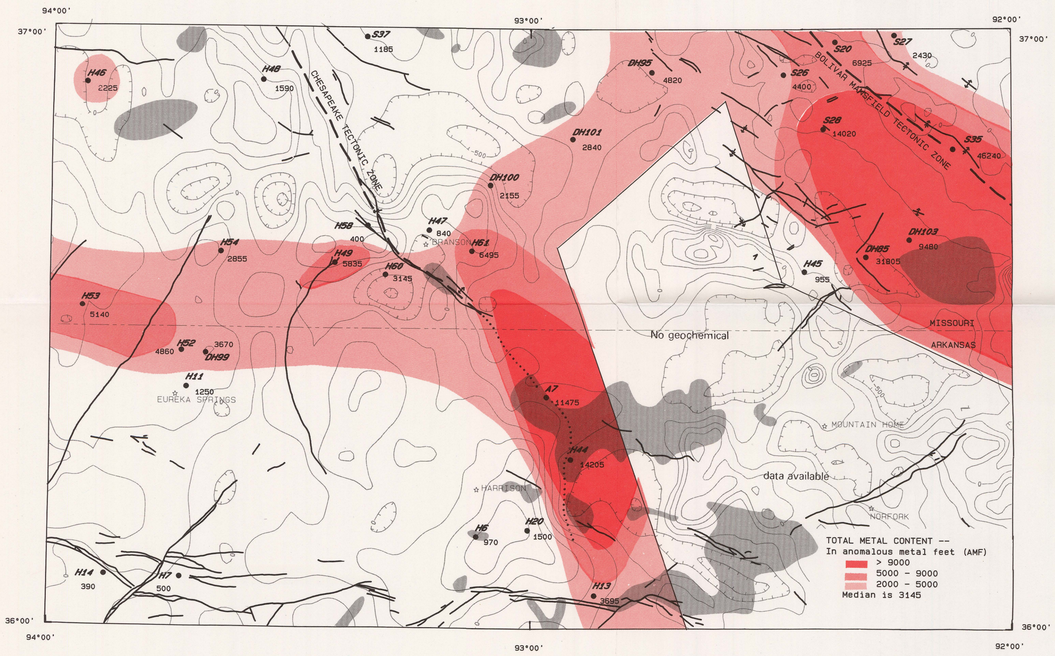
- PENNSYLVANIAN SEDIMENTARY ROCKS
- MISSISSIPPIAN SEDIMENTARY ROCKS
- DEVONIAN SEDIMENTARY ROCKS--Present only in southwest part of map area
- ORDOVICIAN SEDIMENTARY ROCKS
- MINING DISTRICTS--1, Purdy; 2, Aurora; 3, Melva; 4, Elk Valley; 5, Mary Arnold; 6, Swan Creek; 7, Turkey Creek; 8, Caulfield; 9, Northern Arkansas zinc
- TECTONIC ZONE--Dotted where inferred
- FAULT
- HOMOCLINE
- ANTICLINE
- DRILL HOLE--Shows drill-hole number, total anomalous metal feet in drill hole (1670), and anomalous metal feet by rock unit (M185). See text for explanation of anomalous metal feet. Rock designations are M, Mississippian; D, Devonian; O, Ordovician; C Cambrian
- MAGNETIC CONTOURS--Contour interval 100 gammas

GEOCHEMICALLY ANOMALOUS AREAS

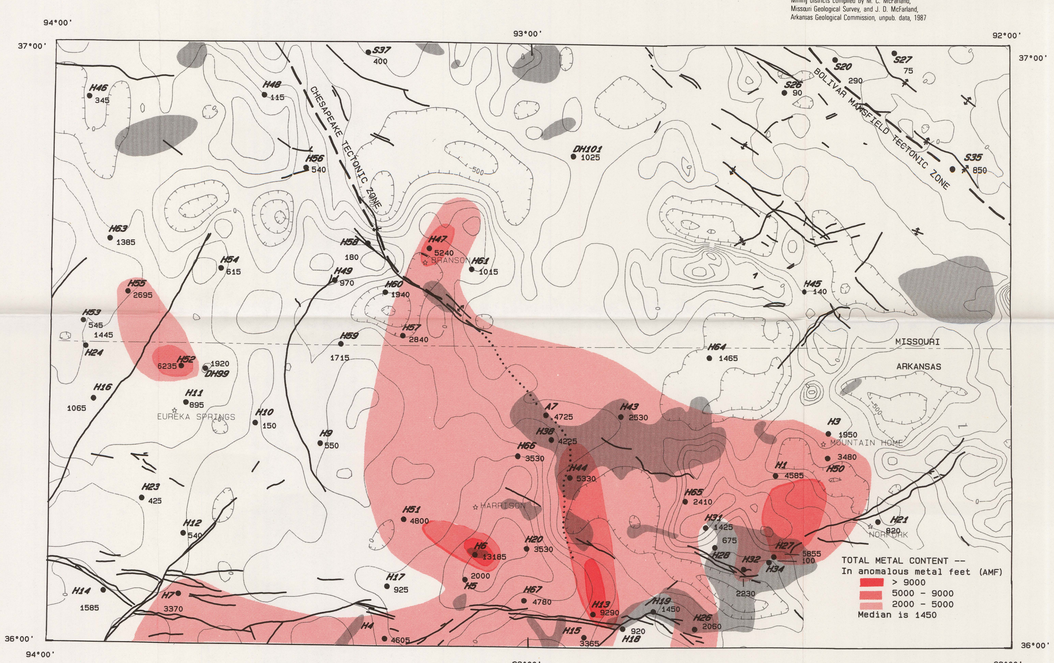
- Areas surrounding drill holes containing 9000 or more anomalous metal feet (AMF)
- Areas surrounding drill holes containing 5000–9000 anomalous metal feet

This map is part of a folio of maps of the Harrison 1° x 2° quadrangle, Arkansas and Missouri, prepared under the Conterminous United States Mineral Assessment Program.

SCALE 1:250 000
5 0 5 10 MILES
5 0 5 10 KILOMETERS



MAP B. DISTRIBUTION AND ABUNDANCE OF TOTAL METALS (Ag, As, Co, Mo, Ni, Pb, Cu, Zn) IN INSOLUBLE RESIDUES OF CAMBRIAN ROCKS



MAP C. DISTRIBUTION AND ABUNDANCE OF TOTAL METALS IN INSOLUBLE RESIDUES OF ORDOVICIAN ROCKS

EXPLANATION OF SYMBOLS COMMON TO MAPS B–R

- MINING DISTRICT--See map A for names of districts
- DRILL HOLE--Shows drill-hole number (H-16) and anomalous metal feet (75)
- TECTONIC ZONE--Dotted where inferred
- FAULT
- HOMOCLINE
- ANTICLINE
- MAGNETIC CONTOURS--Contour interval 100 gammas; hachures point toward areas of lower magnetism

SCALE 1:500 000
10 0 10 20 MILES
10 0 10 20 KILOMETERS

SUMMARY GEOCHEMICAL MAPS OF THE HARRISON 1° X 2° QUADRANGLE, ARKANSAS AND MISSOURI

By
R.L. Erickson, B. Chazin, and M.S. Erickson

1989

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