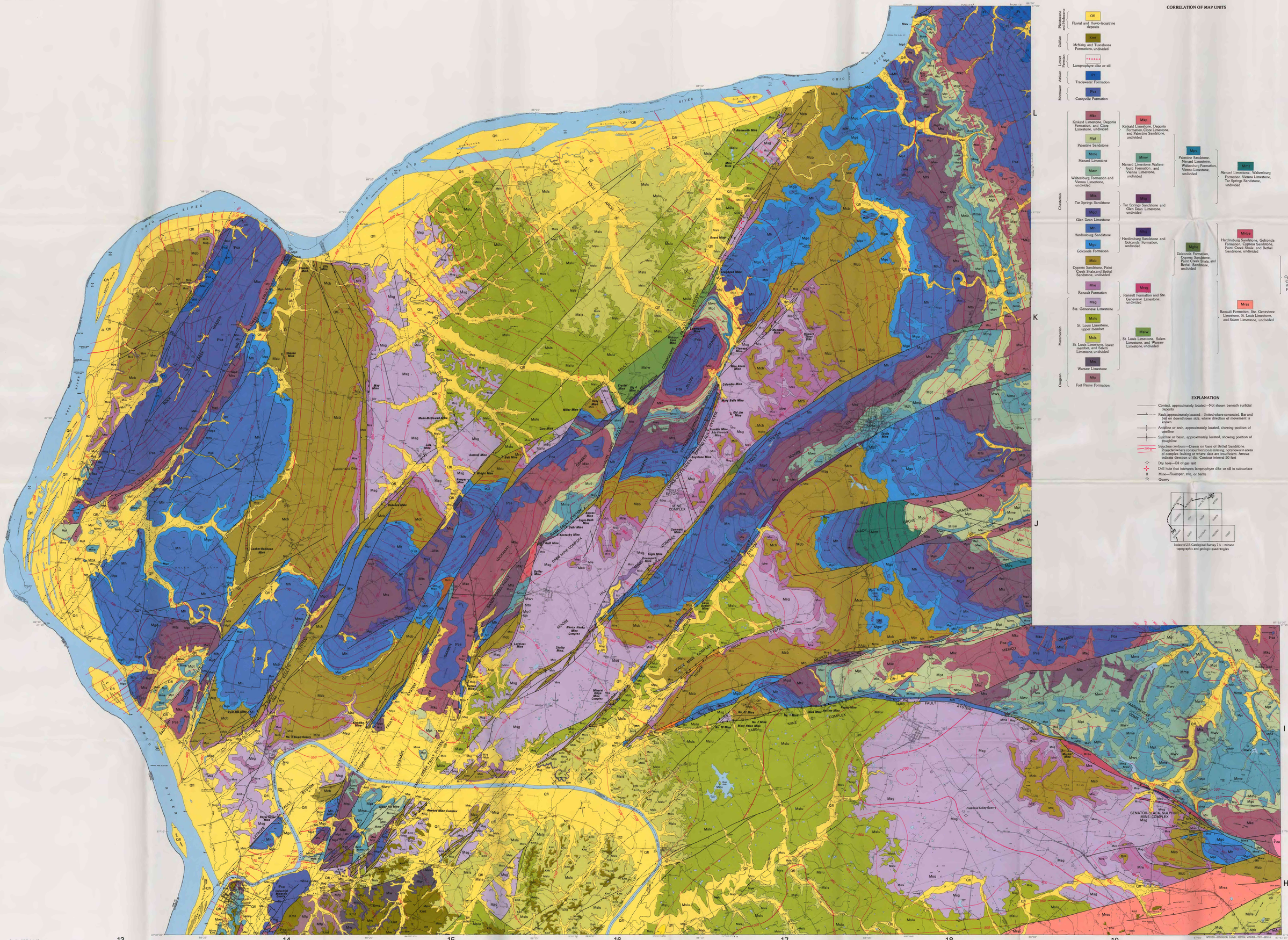
Prepared in cooperation with the
KENTUCKY GEOLOGICAL SURVEY



CORRELATION OF MAP UNITS

Epoch	Formation	Symbol	Member	Symbol	Bed	Symbol
Pleistocene and Holocene		Qfl				
Cretaceous	McNairy and Tuscaloosa Formations, undivided	Kmt				
Lower Permian		+ + + + +				
Atokan	Tradewater Formation	Pt				
Morrowan	Caseyville Formation	Pca				
Chesterian	Kinkaid Limestone, Degonia Formation, and Clore Limestone, undivided	Mkc	Kinkaid Limestone, Degonia Formation, Clore Limestone, and Palestine Sandstone, undivided	Mkp		
	Palestine Sandstone	Mpt			Palestine Sandstone, Menard Limestone, Waltersburg Formation, Vienna Limestone, undivided	Mpv
	Menard Limestone	Mme	Menard Limestone, Waltersburg Formation, and Vienna Limestone, undivided	Mmv		
	Waltersburg Formation and Vienna Limestone, undivided	Mwv				
	Tar Springs Sandstone	Mts	Tar Springs Sandstone and Glen Dean Limestone, undivided	Mtg		
	Glen Dean Limestone	Mgd				
	Hardinsburg Sandstone	Mh	Hardinsburg Sandstone and Golconda Formation, undivided	Mhg	Golconda Formation, Cypress Sandstone, Paint Creek Shale, and Bethel Sandstone, undivided	Mgbc
	Golconda Formation	Mgo				
	Cypress Sandstone, Paint Creek Shale, and Bethel Sandstone, undivided	Mcb				
	Renault Formation	Mre	Renault Formation and Ste. Genevieve Limestone, undivided	Mrsg		
	Ste. Genevieve Limestone	Msg				
Meramecian	St. Louis Limestone, upper member	Msluu	St. Louis Limestone, Salem Limestone, and Warsaw Limestone, undivided	Mslw		
	St. Louis Limestone, lower member, and Salem Limestone, undivided	Msls				
	Warsaw Limestone	Mw				
Chesterian	Fort Payne Formation	Mfp				

Hardinsburg Sandstone, Golconda Formation, Cypress Sandstone, Paint Creek Shale, and Bethel Sandstone, undivided — Mhbg

Renault Formation, Ste. Genevieve Limestone, St. Louis Limestone, and Salem Limestone, undivided — Mrss

Menard Limestone, Waltersburg Formation, Vienna Limestone, Tar Springs Sandstone, undivided — Mmtv

Cypress Sandstone, Paint Creek Shale, Bethel Sandstone, and Renault Formation, undivided — Mcr

Quaternary (Pleistocene and Holocene); Cretaceous; Permian; Pennsylvanian; Mississippian

EXPLANATION

- Contact, approximately located—Not shown beneath surficial deposits
- Fault, approximately located—Dotted where concealed. Bar and ball on downthrown side, where direction of movement is known
- Anticline or arch, approximately located, showing position of crestline
- Syncline or basin, approximately located, showing position of troughline
- Structure contours—Drawn on base of Bethel Sandstone. Projected where contour horizon is missing; not shown in areas of complex faulting or where data are insufficient. Arrows indicate direction of dip. Contour interval 50 feet
- Dry hole—Oil or gas test
- Drill hole that intersects lamprophyre dike or sill in subsurface
- Mine—Fluorspar, zinc, or barite
- Quarry

Base from U.S. Geological Survey
The Carter Coordinate System letters and numbers used to designate five-minute divisions of latitude and longitude are shown along the margins

SCALE 1:48 000

1 0 1 2 3 MILES

1 0 1 2 3 4 5 KILOMETERS

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1981—G81012
Drawings mapped in 1960–73
Reviewed and slightly modified in 1977–79

GEOLOGIC MAP OF THE WESTERN KENTUCKY FLUORSPAR DISTRICT