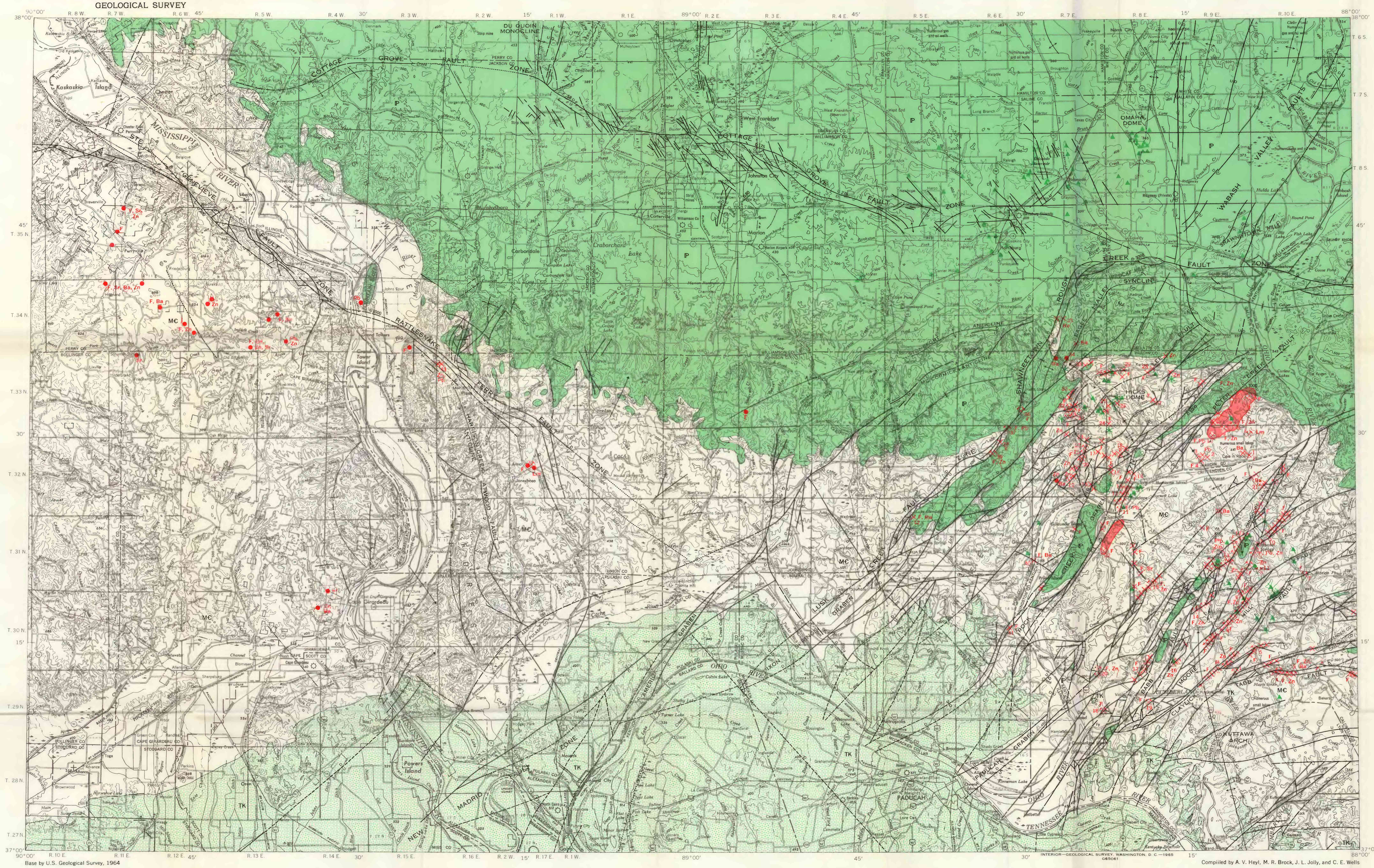
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1202-B
PLATE 2



Base by U.S. Geological Survey, 1964

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1965
G65061

Compiled by A. V. Heyl, M. R. Brock, J. L. Jolly, and C. E. Wells

GENERALIZED GEOLOGIC AND MINERAL DEPOSITS MAP OF THE PADUCAH QUADRANGLE, ILLINOIS, KENTUCKY, AND MISSOURI

SCALE 1:250 000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 KILOMETERS

CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL

EXPLANATION

SEDIMENTARY AND METAMORPHIC ROCKS

TK — Gravel, sand, and clay — CRETACEOUS AND YOUNGER

P — Sandstone, shale, limestone, and coal beds — PENNSYLVANIAN — CARBONIFEROUS

MC — Limestone, dolomite, shale, and sandstone — CAMBRIAN THROUGH MISSISSIPPIAN

INTRUSIVE IGNEOUS ROCKS OF PERMIAN(?) AGE

Include occurrences in mines and drill holes. Number indicates specified number of closely spaced intrusions

Mafic rock in drill hole, outcrop, sill neck or plug, and dike in which trend is not known

Mafic dike
Showing trend; dashed where inferred

Diatreme or explosion pipe breccia
Includes some of uncertain origin

Central area of circular dome caused by igneous intrusion or explosion

Contact

Fault
Showing dip, and vertical displacement, in feet, where known; arrows indicate probable relative lateral movement; query by arrow indicates inferred direction of movement; U, upthrown side; D, downthrown side. Long dashed where inferred; short dashed where concealed; dotted where hypothetical

Thrust fault
T, *upper plate*

Anticline
Showing crestline and direction of plunge. Dashed where inferred

Syncline
Showing troughline; dashed where inferred

Monocline
Showing trace of axis

Numbers with the following 4 symbols refer to list of mines and prospects

Area containing large mineral deposits

Mine

Prospect

Minor occurrence

Symbols for types of deposits:

Pb	*Lead*	F	*Fluorite*
Zn	*Zinc*	Sr	*Strontium*
Ba	*Barite*	Lm	*Limestone*
RE	*Rare earth*		

LIST OF MINES AND PROSPECTS

ILLINOIS-KENTUCKY DISTRICT

MINES IN KENTUCKY

1. Silver Star
2. Beavers
3. Pygmy mine (Willis Crider barite)
4. Tabb group
5. Hodge group
6. Claylick or Mineral Ridge group
7. Lucille mine
8. Moore Hill group
9. Dike-Eaton group
10. Levias-Crittenden Springs group
11. Old Jim zinc mine
12. Commodore group
13. Big Four group
14. Babb group
15. Bonanza group
16. Hutson zinc mine
17. Klondike group
18. Royal mine
19. Atwood mine
20. Dyers Hill mine
21. Cook barite mine
22. Alcoa shaft

MINES IN ILLINOIS

Cave in Rock district

1. Winn mine group
2. Alco-Patrick lead mine
3. Alco-Palmer lead mine
4. Tower Rock prospect
5. Hill mine
6. Minerva No. 1 mine
7. Oxford mine
8. Green and Davis mine group
9. Deardorf, Victory, and Crystal mines
10. Lead Hill mines

Rosiclare district

11. Alcoa group, Good Hope-Fairview-Blue Diggings mines
12. Rosiclare mine
13. Hillside and Eureka group of mines
14. Clements group

Interstate group

15. Tri-State mine
16. Dubois and Indiana mines
17. Pell, Twitchell, Preen mines
18. Interstate mine

Steward group

19. Rotes barite mine
20. Jefferson and Humm mines
21. Stewart mine
22. Baker mine
23. Sheldon mine

Hicks Dome group

24. Lacey mine
25. Hicks Dome rare-earth thorium prospects
26. Rose mine
27. Renfro prospect
28. Lee mine
29. Hamp mine group
30. Rose Creek (Yingling) mine

Empire group

31. Douglas, Slapout, Pierce, Hicks Creek mines
32. Empire mines
33. New Baldwin and Knight mines
34. Barite prospect and occurrences

Rudiment area

35. King-ABC barite-fluorite prospect

Lusk Creek fault group

36. Rock Candy Mountain mine
37. Lost 40 mine
38. Scott mine
39. Clay diggings fluorite mine (also halloysite prospect)

Golconda area

40. Little Jean barite mine
41. Compton mine
42. Lake Gendale barite-fluorite prospect

Alto Pass district

43. Alto Pass lead prospects, Lead Hill

Major sources of data: Cady and others (1951); Clark and Royds (1948); Clegg and Bradbury (1956); Desborough (1961); Farrar and McManamy (1937); Flint (1926); Freeman (1945); Fuller (1912); Grohskopf (1955); Grohskopf and Hundhausen (1937); Jillson (1928, p. 229; 1931); Missouri Division of Geological Survey and Water Resources (1939, 1962); Ross (1963); Stonehouse and Wilson (1955); Trace (1962; written commun. 1963); Weller (1940); Weller and Ekblaw (1940); Weller, Grogan, and Tippie (1952); Weller and Sutton (1951); Weller and others (1945)