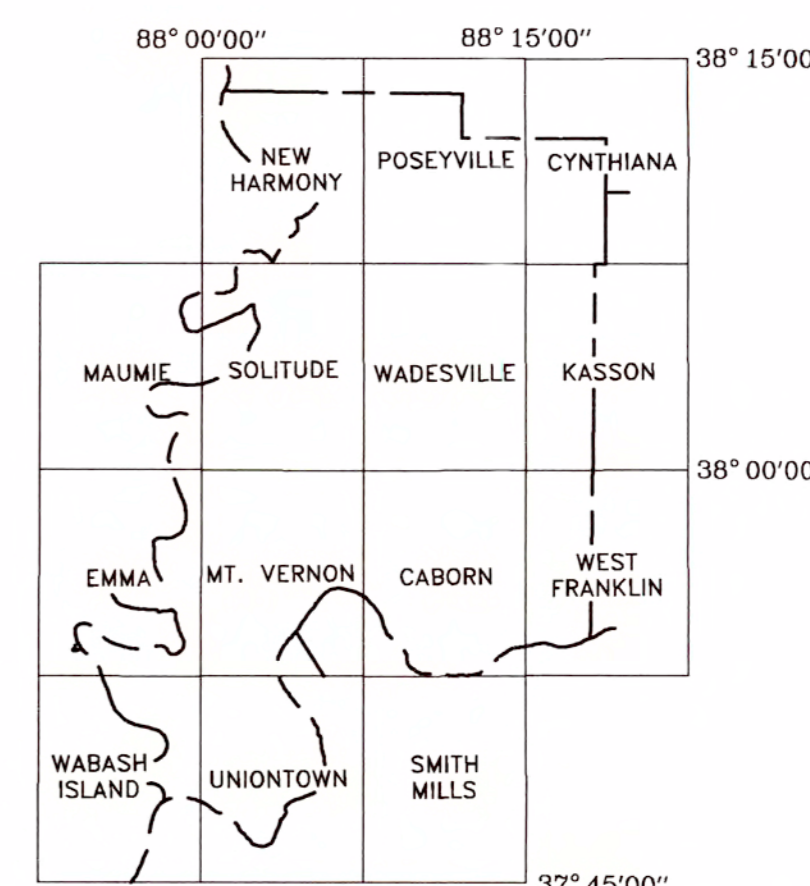


| GROUP | FORMATION | MEMBER |
|---------------|-----------------------|-------------------------|
| Carboniferous | Dugger | Danville Coal |
| | | Universal Ls. |
| | | Anvil Junction Rock Ss. |
| | | Hymersa Coal |
| | | Providence Ls. |
| | | Herrin Coal |
| | | Bucktown Coal |
| | | Antloch Ls. |
| | | Alum Cave Ls. |
| | | Springfield Coal Mbr. |
| Petersburg | Folsomville Coal Mbr. | Stendal Ls. |
| | | Houchin Creek Coal |
| | | Survant Coal |
| Linton | | Velpen Ls. |
| | | Macco Sh. |
| | | Colchester Coal |
| | | Coxville Ss. |

Stratigraphic Column
Showing position of the Springfield Coal Member of the Petersburg Formation in the Carboniferous Group (Pennsylvanian) From Shaver and others (1986)



Index map of Posey County showing U.S. Geological Survey 7.5 topographic quadrangle map names

| | | | | | |
|----|----|----|----|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

SECTIONIZED TOWNSHIP

LEGEND

- Control point
- No data
- Not logged
- Interval not log
- Fault plane crossed in hole
- Coal missing because of normal fault
- Fault; hachures on downthrown side
- Probable or inferred fault
- State property boundary

EXPLANATION

Wall contour in areas labeled "Fault Zone" between closely spaced faults is inadequate to detect probable small faults or to allow accurate contouring. The original work map showing elevations on the Springfield Coal Member has been placed on an open file in the Mineral Resources Section of the Indiana Geological Survey.

DISCLAIMER

This map was compiled and published by Indiana University, Indiana Geological Survey, using data believed to be accurate, however, a margin of error is inherent in all maps. This product is distributed "AS IS" with no warranty of any kind, either expressed or implied, including but not limited to warranties of suitability for a particular purpose or use. There is no attempt in either the design or production of this map to define the limits or jurisdiction of any federal, state, or local government. This map is intended for use only of the published scale. A detailed on-the-ground and historical analysis of a single site may differ from this map. This map is not a substitute for an actual survey.

The structure contours and fault locations are interpretations of the data and do not necessarily represent the actual structure surface or fault locations. The map is therefore an interpretation by the author, and is not intended for delimiting individual prospective areas for mineral or petroleum resources. Not all control within densely drilled areas was used for structure interpretations.

ACKNOWLEDGMENTS

The fault traces shown on this map are modifications of faulting mapped and named by Ault, Sullivan, and Tanner (1980) and mapped on a scale of 2 inches = 1 mile by Tanner, Stellavato, and Mackey (1981a, 1981b). Most of the control data from wells drilled before 1981 is from Tanner, Stellavato, and Mackey (1981a, 1981b).

CITATIONS

- Ault, C. H., Sullivan, D. M., and Tanner, G. F., 1980, Faulting in Posey and Gibson Counties, Indiana, Indiana Academy of Science Proceedings for 1979, v. 89, p. 275-289.
- Tanner, G. F., Stellavato, J. N., and Mackey, J. C., 1981a, Map of southern Posey County, Indiana, showing structure on Springfield Coal Member (V) of the Petersburg Formation (Pennsylvanian); Indiana Geological Survey Miscellaneous Map 34.
- Tanner, G. F., Stellavato, J. N., and Mackey, J. C., 1981b, Map of northern Posey County, Indiana, showing structure on Springfield Coal Member (V) of the Petersburg Formation (Pennsylvanian); Indiana Geological Survey Miscellaneous Map 35.
- Shaver, R. M., Ault, C. H., Burger, A. M., Carr, D. D., Drostle, J. B., Eggert, D. L., Gray, H. H., Harper, Denver, Rosenmuller, R. R., Rosenmuller, W. A., Horowitz, A. S., Hutchison, H. C., Keith, B. D., Keller, S. J., Patton, J. B., Reed, C. B., and Wier, C. E., 1986, Compendium of Paleozoic rock-unit stratigraphy in Indiana - a revision; Indiana Geological Survey Bulletin 59, 203 p.

