

TEAYS VALLEY

A combined effort by the Indiana Geological Survey and the Division of Water, Department of Natural Resources, was begun in 1976 to study the aspects of the buried bedrock valley system historically known as the Teays Valley* and its tributaries. The intent was to provide accurate information on the location, depth, and form of the valley and on the stratigraphy of valley-fill materials, the history of the valley filling, and the water-bearing potential of the materials.

The project was a coordinated effort directed toward: (1) assembling all available information on water wells, seismic studies, oil and gas wells, stratigraphic-test holes, and bedrock outcrops; (2) obtaining new geophysical data, where necessary, to define the configuration of the valley and its location; (3) processing records and field verification of new water wells and petroleum exploration wells; (4) drilling deep-test holes in the valley for ultimately assessing the glacial stratigraphy and general ground-water potential; (5) reappraising existing mapping and interpretations on the basis of new information; and (6) preparing publications on the location, glacial stratigraphy, ground-water potential, and other aspects of the valley system.

*The name Lafayette Bedrock Valley System is being proposed as a new name for the Teays and its tributaries in Indiana (Brewer, in preparation). The name Teays (Lafayette) Bedrock Valley System is being used by the Division of Water in its forthcoming publication on the ground-water potential of the Teays (Bruns and Steen, in preparation).

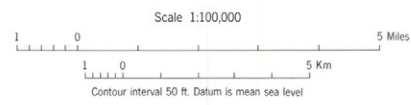
REFERENCES CITED

Brewer, N. K., in preparation, The Lafayette Bedrock Valley System (Teays-Mahomet drainage system), north-central Indiana—Nomenclature, form, and stratigraphy, in Melhorn, W. N., and Kempton, J. P., editors [a symposium volume on the Teays Valley].
Bruns, T. M., and Steen, W. J., in preparation, Hydrogeology of the Teays (Lafayette) Bedrock Valley System, north-central Indiana. Indiana Div. Water, Water Resource Assessment 86-1.

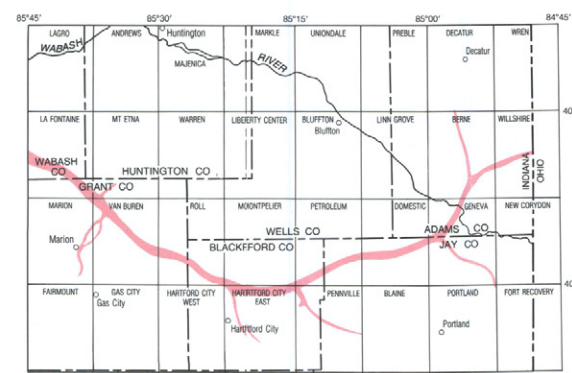
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SECTIONIZED TOWNSHIP

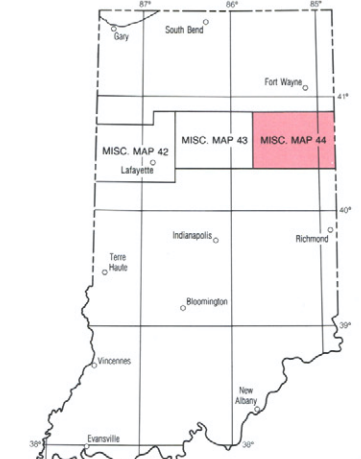
- EXPLANATION**
- × Seismic
 - Water well
 - Deep test for oil and gas
 - T.H. 19 Teays Valley test hole
 - Teays Valley and tributaries



NOTE:
Mapping based on available data from records in the Department of Natural Resources as follows: water-well data, Division of Water; oil and gas data, Division of Oil and Gas and Petroleum Section, Geological Survey; and seismic data, Geophysics Section, Geological Survey.



INDEX MAP SHOWING NAMES OF U. S. GEOLOGICAL SURVEY 7 1/2° TOPOGRAPHIC QUADRANGLE MAPS AND GENERAL LOCATION OF TEAYS VALLEY



MAP OF INDIANA SHOWING LOCATIONS OF MISCELLANEOUS MAPS 42, 43, AND 44