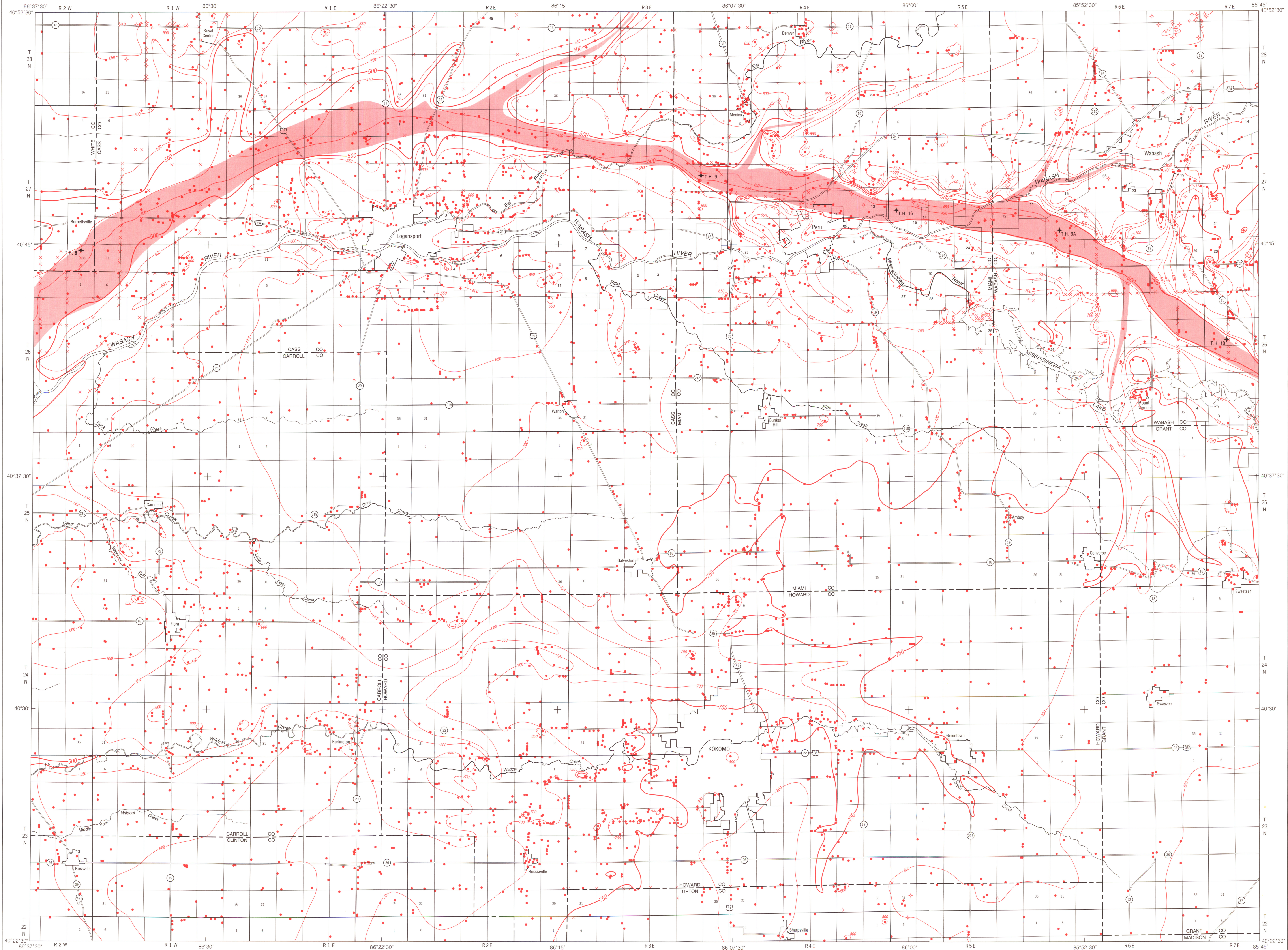




TEAYS VALLEY

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 geo-physical 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 (Bluer, 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).

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

EXPLANATION

Seismic

Water well

Deep test for oil and gas

Teays Valley test hole

Teays Valley and tributaries

Scale 1:100,000

Contour interval 50 ft. Datum is mean sea level

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

Base from latest U. S. Geological Survey topographic quadrangle maps, scale 1:24,000.

MAP SHOWING BEDROCK TOPOGRAPHY OF THE TEAYS VALLEY, CENTRAL PART, NORTH-CENTRAL INDIANA

By Thomas M. Bruns, S. Michael Logan, and William J. Steen

Compiled December 1980 by Thomas M. Bruns, S. Michael Logan, and William J. Steen, Ground-Water Section, Division of Water. Drafting by Roger L. Purcell, Geological Survey.