

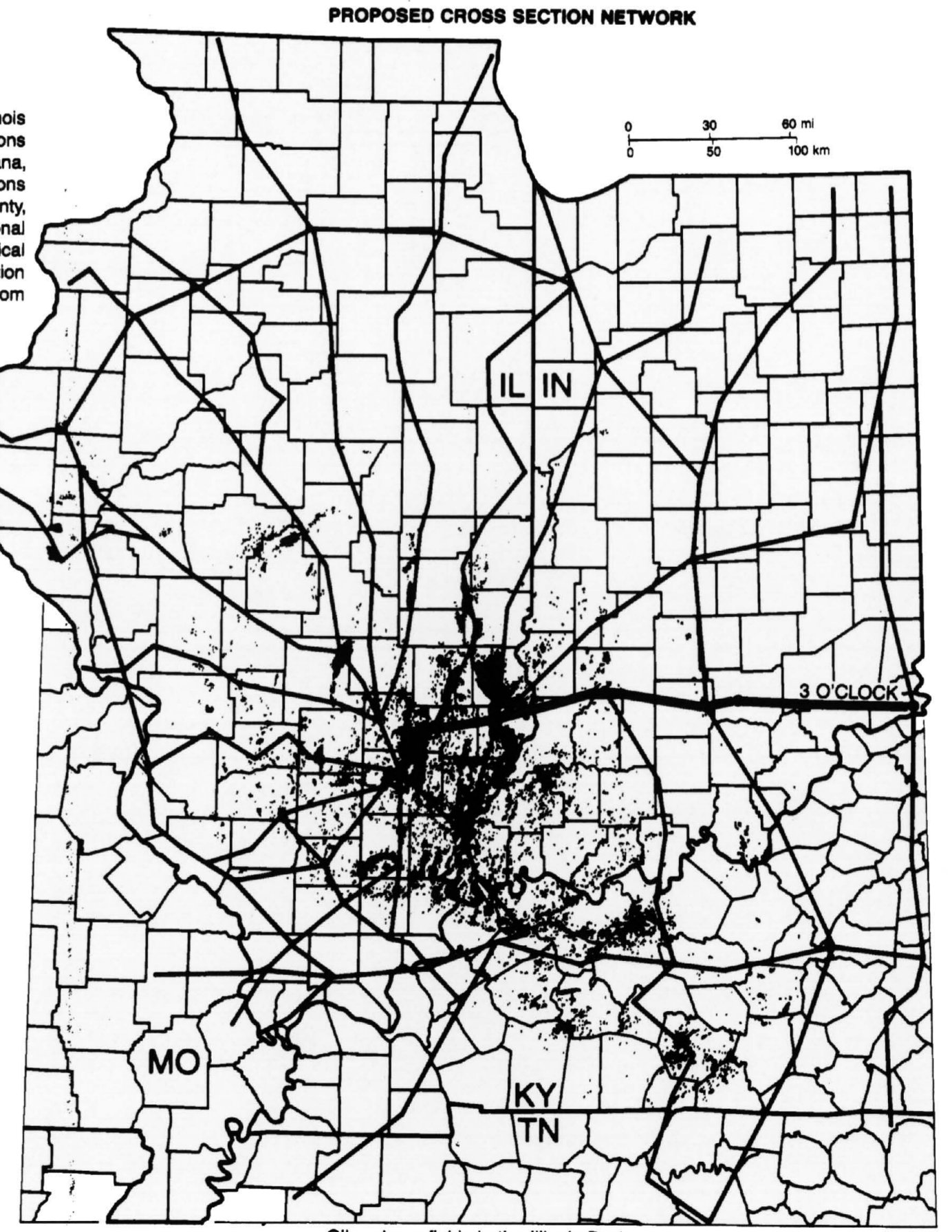
3 O'CLOCK CROSS SECTION IN THE ILLINOIS BASIN WAYNE COUNTY, ILLINOIS, TO SWITZERLAND COUNTY, INDIANA

Janis D. Treworgy and Stephen T. Whitaker
Illinois State Geological Survey

with contributions by
Lloyd C. Furey and John A. Rupp
Indiana Geological Survey
John B. Droste, Indiana University
Michael L. Sargent, Illinois State Geological Survey

ILLINOIS BASIN CONSORTIUM CROSS SECTION PROJECT

The structural and stratigraphic framework of the Illinois Basin is portrayed in a network of regional cross sections prepared by the Illinois Basin Consortium (Illinois, Indiana, and Kentucky Geological Surveys). Most of the sections radiate from the UNOCAL #1 Core well in Wayne County, Illinois, the approximate center of the basin. Additional sections are oriented to traverse significant geological features in Indiana and Kentucky. As each cross section is completed, it will be available in open-file format from the state geological surveys.



- NOTES:**
- Stratigraphic nomenclature is based primarily on the COSSUNA chart.
 - Structural terminology in Illinois follows Nelson, W. John, in prep. 'Structural Features in Illinois: Illinois State Geological Survey Bulletin'.
 - Datum for this cross section is mean sea level. Structural control used within the cross section for the sub-Pennsylvanian strata is the base of the New Albany Group. Where the New Albany Group is absent, the top of the Galena Group-Trenton Limestone was used. Structural control for the Pennsylvanian strata included the base of the Pennsylvanian and the top of the Herra Coal. Various isopach and isobath maps were used for further control. Surface topography was mapped from U.S. Geological Survey 1" x 2" sheets.

The authors gratefully acknowledge the assistance of Robert R. Pool, Andrew K. Finley, Kathryn L. Desulis, Mark W. Longman, Colin G. Treworgy and Jacquelyn L. Hannah.