



Modified base assembled from U.S. Coast and  
Geodetic Survey World Aeronautical Charts  
Lambert conformal conic projection

Geology compiled in 1965-67

SOURCES OF DATA

**Maryland:**  
Maryland Geological Survey, 1933, Map of Maryland showing geological formations.  
**Indiana:**  
Indiana Geological Survey, 1958, Map of Indiana showing location of sample sites, generalized geologic boundaries, and favorable areas for lightweight aggregate plants: Indiana Geol. Survey Survey Dept. Progress 15.  
**Kentucky:**  
Kentucky Geological Survey, 1954, Geologic map of Kentucky, ser. 13, with additions from the geologic map of the United States, U.S. Geol. Survey, 1952.  
**Maryland:**  
Maryland Geological Survey, 1933, Map of Maryland showing geological formations.  
**New Jersey:**  
New Jersey Department of Conservation and Economic Development, 1960, Geologic map of New Jersey.  
**North Carolina:**  
Compiled principally from North Carolina Department of Conservation and Development, 1968, Geologic map of North Carolina.  
Unpublished data furnished by G. H. Eppenshade, J. E. Hatley, A. E. Nelson, D. M. Rankin, A. A. Stronquist, and H. W. Staudacher of the U.S. Geological Survey, and by J. R. Butler and D. E. Davis of the University of North Carolina, Chapel Hill, N.C.  
**Ohio:**  
Ohio Geological Survey, 1920, Geologic map of Ohio.  
**South Carolina:**  
Data from U.S. Geological Survey and American Association of Petroleum Geologists, 1961, Tectonic map of the United States exclusive of Alaska and Hawaii: U.S. Geol. Survey [1961].  
**Tennessee:**  
Compiled principally from Tennessee Department of Education, Division of Geology, 1953, Geologic map of Tennessee.  
Unpublished data furnished by J. R. Hatley of the U.S. Geological Survey.  
**Virginia:**  
Compiled principally from Virginia Division of Mineral Resources, 1955, Geologic map of Virginia.  
Unpublished data furnished by D. M. Rankin of the U.S. Geological Survey, and by W. R. Brown of the University of Kentucky, Lexington, Ky.  
**West Virginia:**  
West Virginia Geological Survey, 1932, Geologic map of West Virginia.

Depth to Precambrian rocks, seismic velocities, and velocity structure are from:  
Cotton, G. W., 1961, Geologic summary of the Appalachian basin, with reference to the subsurface disposal of radioactive waste solutions: U.S. Geol. Survey T-671.  
Unpublished data from files of the U.S. Geological Survey.

TRANSCONTINENTAL GEOPHYSICAL SURVEY (35°-39°N)  
GEOLOGIC MAP FROM THE EAST COAST OF THE UNITED STATES TO 87°W LONGITUDE

By  
Ronald Willden, John C. Reed, Jr., and John E. Carlson  
A CONTRIBUTION TO THE UPPER MANTLE PROJECT

SCALE 1:1 000 000

DATUM IS MEAN SEA LEVEL

1968

INDEX MAP SHOWING AREA COVERED BY THE  
TRANSCONTINENTAL GEOPHYSICAL SURVEY  
AREA OF THIS MAP SHADED