

STATE OF TENNESSEE
FRANK G. CLEMENT, GOVERNOR

DEPARTMENT OF CONSERVATION
DONALD M. McSWEEN, COMMISSIONER

DIVISION OF GEOLOGY
WILLIAM D. HARDEMAN, STATE GEOLOGIST

GEOLOGIC MAP OF TENNESSEE

BY
WILLIAM D. HARDEMAN

ASSISTED BY
ROBERT A. MILLER AND GEORGE D. SWINGLE

1966

This map is the result of many years of effort by the staff of the Division of Geology. The source material for the map includes all recent detailed geologic maps and much recent unpublished geologic mapping that was begun and completed by our staff for the specific purpose of making this map of uniform accuracy throughout the State. This unpublished mapping was used as source material for about 35 percent of the State in preference to older, less detailed published maps.

William D. Hardeman supervised and directed this geologic mapping and the compilation, preparation and editing of this map. Robert A. Miller, with the assistance of Donald S. Fullerton, Edward T. Luther, and R. Keith Garman, compiled the geology of the area west of the Eastern Escarpment of the Cumberland Plateau. George D. Swingle revised the geology of portions of the area east of this escarpment and compiled the geology of this area with the assistance of Donald S. Fullerton and G. Ronald Sykes.

Each of the four sheets making up this map has a separate legend and may be used independently. A small index map on each sheet shows the source of all the geological map information and the authors of both published and unpublished mapping. Each sheet lists the principal compilers and editors for that sheet.

The Division of Geology acknowledges with appreciation the cooperation of the United States Geological Survey, the Geology Department of the University of Tennessee, and the Geology Department of Vanderbilt University.

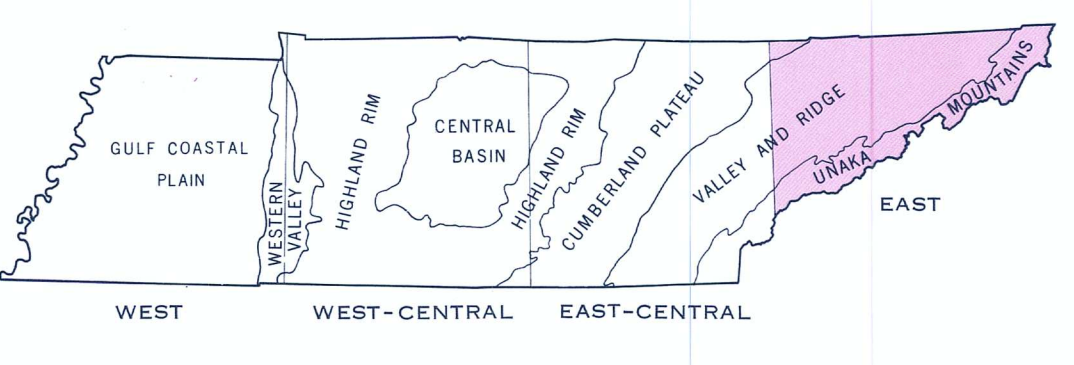
SOURCES OF GEOLOGICAL INFORMATION

TENN. DIVISION OF GEOLOGY PUBLISHED MAPS	TENN. DIVISION OF GEOLOGY UNPUBLISHED MAPS	U.S. GEOLOGICAL SURVEY PUBLISHED MAPS	TENN. DIVISION OF GEOLOGY (WITH U.S. GEOL. SURVEY) UNPUBLISHED MAPS	U.S. GEOLOGICAL SURVEY (WITH TENN. DIV. GEOLOGY) UNPUBLISHED MAPS
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EAST SHEET GEOLOGIC MAP OF TENNESSEE 1966

WILLIAM D. HARDEMAN
STATE GEOLOGIST

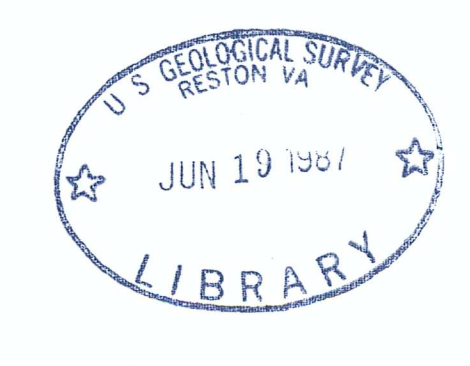
Scale 1:250,000
CONTOUR INTERVAL 100 FEET



COMPILED AND EDITED BY
GEORGE D. SWINGLE
WILLIAM D. HARDEMAN
DONALD S. FULLERTON
ROBERT A. SYKES
ROBERT A. MILLER

EXPLANATION

CUMBERLAND PLATEAU, VALLEY AND RIDGE, AND UNAKA MOUNTAINS	NORTHWESTERN VALLEY AND RIDGE	SOUTHEASTERN VALLEY AND RIDGE AND UNAKA MOUNTAINS	UNAKA MOUNTAINS
PRECAMBRIAN	PRECAMBRIAN	PRECAMBRIAN	PRECAMBRIAN
PALEOZOIC	PALEOZOIC	PALEOZOIC	PALEOZOIC
TRIASSIC	TRIASSIC	TRIASSIC	TRIASSIC
CRETACEOUS	CRETACEOUS	CRETACEOUS	CRETACEOUS
PALEOGENE	PALEOGENE	PALEOGENE	PALEOGENE
NEOGENE	NEOGENE	NEOGENE	NEOGENE
QUATERNARY	QUATERNARY	QUATERNARY	QUATERNARY



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Symbols
W Widespread
K
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1966h
E234
C.B