



Mapped and edited by Tennessee Valley Authority  
Published by the Geological Survey  
Control by USC&GS, USGS, and TVA  
Complete revision by TVA 1952 by photogrammetric (multiplex)  
methods using aerial photographs taken 1952 and by reference  
to TVA-USGS quadrangle dated 1941. Original map compiled  
by photogrammetric (multiplex) methods from aerial photographs  
taken 1939. Map field checked by TVA 1953.  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Tennessee rectangular  
coordinate system  
--- Indicates Watts Bar Lake Easement Boundary  
Blue shading indicates area to be submerged by  
Melton Hill Lake. Pool elevation 795 feet

TRUE NORTH  
MAGNETIC NORTH  
APPROXIMATE MEAN  
DECLINATION 1953

SCALE 1:24,000  
1 0 1000 2000 3000 4000 5000 6000 7000 FEET  
1 5 10 KILOMETER  
CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL  
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.  
TENNESSEE DIVISION OF GEOLOGY, NASHVILLE, TENN.  
U. S. TENNESSEE VALLEY AUTHORITY, CHATTANOOGA OR KNOXVILLE, TENN.  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS  
HISTORICAL FILE  
TOPOGRAPHIC DIVISION  
QUADRANGLE LOCATION

ROAD CLASSIFICATION  
In developed areas, only through roads are classified  
HARD-SURFACE ALL WEATHER ROADS DRY WEATHER ROADS  
Heavy-duty --- 1 LANE 16 LANE Improved dirt ---  
Medium-duty --- 1 LANE 16 LANE Unimproved dirt -----  
Loose-surface, graded, or narrow hard-surface  
U. S. Route State Route  
Melton Hill Dam and Lake data added 1961  
BETHEL VALLEY, TENN.  
N3552.5-W8415/7.5  
1953

USGS  
FILE COPY  
TOPOGRAPHIC DIVISION  
FEB 2 1961  
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