



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

STATE OF WEST VIRGINIA  
REPRESENTED BY THE  
STATE OF WEST VIRGINIA GEOLOGICAL SURVEY  
AND OTHER STATE AGENCIES

CLOTHIER QUADRANGLE  
WEST VIRGINIA  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
NE/4 LOGAN 15 QUADRANGLE

Maped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography by photogrammetric methods from aerial  
photographs taken 1957. Field checked 1963  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on West Virginia coordinate system, south zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue  
To place on the predicted North American Datum 1983  
move the projection lines 7 meters south and  
13 meters west as shown by dashed corner ticks  
Revisions shown in purple and woodland compiled in cooperation with  
State of West Virginia agencies from aerial photographs taken 1987  
and other sources. This information not field checked  
Map edited 1989

UTM GRID AND 1983 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

SCALE 1:24,000  
CONTOUR INTERVAL 40 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY  
DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION  
Primary highway, hard surface  
Secondary highway, hard surface  
Unimproved road  
Interstate Route  
U. S. Route  
State Route

Light-duty road, hard or improved surface  
Unimproved road  
Interstate Route  
U. S. Route  
State Route

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NE/4 LOGAN 15 QUADRANGLE  
37081-H7-TF-024  
1963  
PHOTOREVISED 1989  
DMA 4659 IV NE-SERIES V854