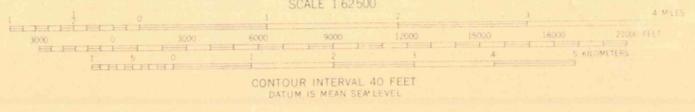


F-7

Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Compiled in 1960 from 1:24,000-scale maps of  
Shumans, Catawissa, Mount Carmel, and Ashland  
7.5-minute quadrangles, surveyed 1944. Culture revised 1953-1955  
Topography from aerial photographs by photogrammetric methods.  
Aerial photographs taken 1942  
Polyconic projection. 1927 North American datum  
10,000-foot grids based on Pennsylvania coordinate system,  
north and south zones  
1000-meter Universal Transverse Mercator grid ticks,  
zone 18, shown in blue  
Unchecked elevations are shown in brown



ROAD CLASSIFICATION  
Heavy duty ——— Light duty ———  
Medium duty ——— Unimproved dirt ———  
U.S. Route ——— State Route ———

THIS AREA ALSO COVERED BY 1:24,000-SCALE MAPS OF  
SHUMANS 1955, CATAWISSA 1955, MOUNT CARMEL 1955,  
AND ASHLAND 1953-7.5-MINUTE QUADRANGLES.  
CATAWISSA, PA.  
N4045—W7615/15  
1955

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST