

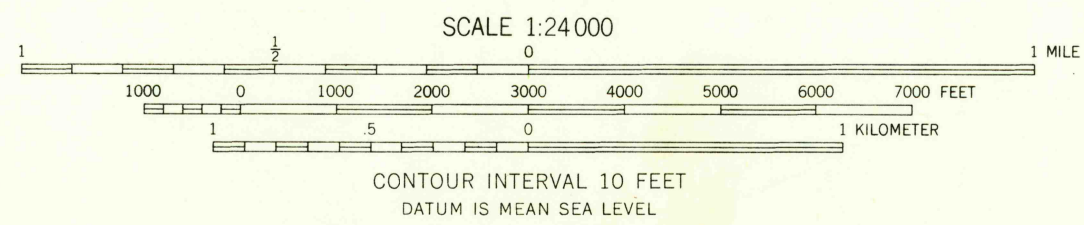
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

STATE OF PENNSYLVANIA  
DEPARTMENT OF INTERNAL AFFAIRS  
TOPOGRAPHIC AND GEOLOGIC SURVEY

FREDONIA QUADRANGLE  
PENNSYLVANIA—MERCER CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
SE 1/4 SHENANGO 15' QUADRANGLE

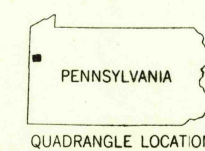


Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, USCE, and Pennsylvania Geodetic Survey  
Topography from aerial photographs by photogrammetric methods  
Aerial photographs taken 1957. Field check 1958  
Polyconic projection, 1927 North American datum  
10,000-foot grid based on Pennsylvania coordinate system,  
north zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue  
Fine red dashed lines indicate selected fence and field lines  
visible on aerial photographs. This information is unchecked  
Unchecked elevations are shown in brown



USGS  
Historical File  
Topographic Division

ROAD CLASSIFICATION  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
○ State Route



U.S.G.S.  
FILE COPY  
TOPOGRAPHIC DIVISION

FREDONIA, PA.  
SE 1/4 SHENANGO 15' QUADRANGLE  
N4115—W8015.7.5

1958

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

APR 22 1960

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