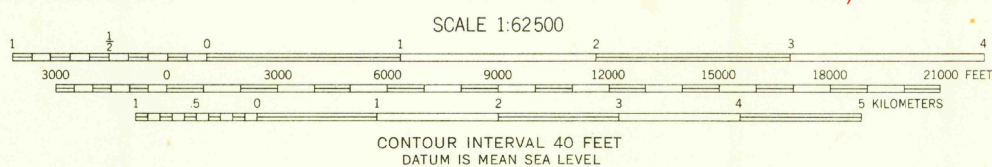


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CATAWISSA QUADRANGLE
PENNSYLVANIA
15 MINUTE SERIES (TOPOGRAPHIC)

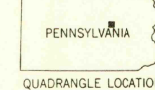


Mapped, edited, and published by the Geological Survey
Control by USGS and USCGS
Compiled in 1960 from 1:24 000-scale maps of
Shumans, Catawissa, Mount Carmel, and Ashland
7.5 minute quadrangles, surveyed 1944. Culture revised 1953-1955
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1942
Polyconic projection. 1927 North American datum
10,000-foot grid 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



USGS
Historical File
Topographic Division

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

AUG 29 1960