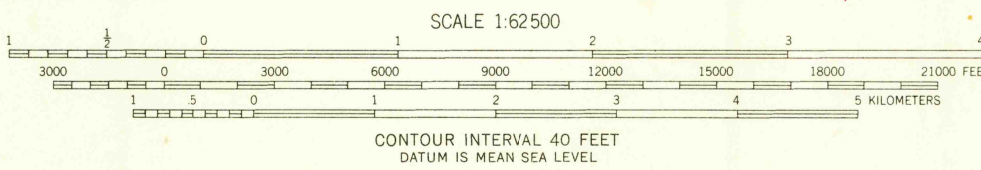


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CATAWISSA QUADRANGLE
PENNSYLVANIA
15 MINUTE SERIES (TOPOGRAPHIC)

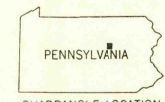


Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Compiled in 1960 from 1:24 000-scale maps of
Shumans, Catawissa, Mount Carmel, and Ashland
7.5 minute quadrangles, surveyed 1944. Culture revised 1953-1955
Topography from aerial photographs by photogrammetric methods
Aerial 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



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