

STATE OF PENNSYLVANIA
 DEPARTMENT OF INTERNAL AFFAIRS
 WILLIAM S. LIENGOOD, JR., SECRETARY
 TOPOGRAPHIC AND GEOLOGICAL SURVEY
 STANLEY HOLMAN CATHART, STATE GEOLOGIST
 75 MINUTE SERIES (TOPOGRAPHIC)
 WEST VIRGINIA
 PENNSYLVANIA
 FRIENDSVILLE QUADRANGLE
 MARYLAND-PENNSYLVANIA

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
 JOSEPH T. SINGEWALD, JR., DIRECTOR
 WATER RESOURCES



ROAD CLASSIFICATION
 HARD SURFACE ALL WEATHER ROADS
 DRY WEATHER ROADS
 Heavy-duty, Improved dirt
 Medium-duty, Unimproved dirt
 Loose surface, graded, or narrow hard surface
 U.S. Route
 State Route

Scale: 1:24,000
 Contour Interval: 20 Feet
 Datum: Mean Sea Level

1947
 AMS 5163 III NW-SERIES V833

Maped, edited, and published by the Geological Survey
 Control by USGS, USCGS, and USNS
 Topography from aerial photographs by multiple methods.
 Aerial photographs taken 1946. Field check, 1947.
 Pennsylvania coordinate system, north zone and
 West Virginia coordinate system, north zone.
 Blue hatching indicates areas subject to controlled inundation.
 Normal pool elevation 1439 feet. Spillway elevation 1465 feet.
 1000-meter Universal Transverse Mercator grid ticks.
 Zone 17, shown in blue

67