



Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography by photogrammetric methods from aerial photographs taken 1942. Field checked 1946  
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 18, shown in blue  
Purple tint indicates extension of urban areas  
Revisions shown in purple compiled in cooperation with State of Pennsylvania agencies, from aerial photographs taken 1969 and 1976. This information not field checked  
Boundary lines shown in purple compiled from latest information available from the controlling authority

UTM GRID AND 1976 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24,000  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
CONTOUR INTERVAL 20 FEET

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

AVOCA, PA.  
N4115-W7537.5/7.5  
1946  
PHOTOREVISED 1969 AND 1976  
AMS 5866 I SW—SERIES V831

OVERLAY LEGEND

<p><b>ABANDONED MINED LAND PROBLEMS</b></p> <ul style="list-style-type: none"> <li> Abandoned Strip Mine (Dry)</li> <li> Abandoned Strip Mine (Flooded)</li> <li> Subsidence Prone Area</li> <li> Open Shaft or Entry (Vertical or Steeply Sloping)</li> <li> Capped Shaft or Entry (Vertical or Steeply Sloping)</li> <li> Open Shaft or Entry (Horizontal or Gently Sloping)</li> <li> Sealed Shaft or Entry (Horizontal or Gently Sloping)</li> <li> Abandoned Refuse Pile (Burning)</li> <li> Abandoned Refuse and Spoil Piles (Non-Burning)</li> <li> Underground Mine Fire</li> <li> Abandoned Coal Processing Settling Basin (Dry)</li> <li> Abandoned Coal Processing Settling Basin (Flooded)</li> <li> Abandoned Structure</li> <li> Erosion Prone Area (Due to AML)</li> <li> Slide Prone Area (Due to AML)</li> <li> Reported AMD Discharge and Seep Area</li> </ul>	<p><b>HEALTH, SAFETY, AND WELFARE KEYWORDS</b></p> <ul style="list-style-type: none"> <li>VO Vertical Opening</li> <li>P Portal</li> <li>SB Surface Burning</li> <li>GUB Gases from Underground Burning</li> <li>GHE Venting of Hazardous or Explosive Gases</li> <li>DPE Dangerous Pile or Embankment</li> <li>DI Dangerous Impoundment (Structural or Design Deficiencies)</li> <li>DS Dangerous Slide</li> <li>DH Dangerous Highwall</li> <li>PWAI Polluted Agricultural/Industrial Water Resource</li> <li>PWHC Polluted Drinking Water Resource or Polluted Recreational Waters Used for Swimming</li> <li>S Subsidence Prone Areas</li> <li>CS Clogged Stream</li> <li>CEF Hazardous Abandoned Mining Equipment or Facilities</li> <li>IRW Unauthorized and Dangerous Disposal of Industrial or Residential Waste</li> <li>HWE Unauthorized and Dangerous Use of a Water Body for Recreational Purposes</li> </ul>	<p>1,2,3 Problem Numbers</p> <p>PA2011  Problem Area</p> <p><b>PU-2 EAGLE</b>  Planning Unit Boundary</p> <p><b>WCU 02050305</b>  Water Cataloging Unit Boundary</p>
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