Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1967. Field checked 1967

Polyconic projection. 1927 North American datum
10,000-foot grid based on Pennsylvania coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

Revisions shown in purple compiled in cooperation with State of Pennsylvania agencies from aerial photographs taken 1973. This information not field checked

MN GN
6° 10'MILES 1°00' 18 MILS
UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETER
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

PENNSYLVANIA
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Primary highway, all weather, hard surface — Light-duty road, all weather, improved surface

Secondary highway, all weather, hard surface — Unimproved road, fair or dry weather.

Interstate Route — State Route

MAMMOTH 7.5' QUADRANGLE AND PARTIAL LATROBE QUADRANGLE
PENNSYLVANIA
NW/4 DONEGAL 15' QUADRANGLE
N4007.5—W7922.5/7.5

1967
PHOTOREVISED 1973
AMS 5164 III NW—SERIES V831

110 Outcrop Inventory Areas See Vol. I Sec. 10
Discharges
Unmapped Mine Openings Located During Outcrop Inventory

DATE	REVISED	BY

SL 103-4

OUTCROP & DISCHARGE LOCATION PLAN

L. ROBERT KIMBALL
CONSULTING ENGINEERS
EBENSBURG PITTSBURGH
PENNSYLVANIA

DRAWN BY	DATE	CODE NO.	SHEET NO.
TRACED BY	DATE		PLATE 2
CHECKED BY	DATE	SCALE 1"=2000'	
APPROVED BY	DATE		OF

PR 9614-370