



note:
the taped areas
in both sides of
map cover the
oil seams of
Jim Phillips
AB

Phillips'
oil spots
covered with
tape

Mapped, edited, and published by the Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial
photographs taken 1967. Field checked 1968
Polyconic projection, 10,000-foot grid ticks based on
Pennsylvania coordinate system, north and south zones
1000-meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue 1927 North American Datum
To place on the predicted North American Datum 1983
move the projection lines 4 meters south and
21 meters west as shown by dashed corner ticks
Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked
There may be private inholdings within the boundaries of
the National or State reservations shown on this map.

SCALE 1:24,000
CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Primary highway, all weather, hard surface
Secondary highway, all weather, hard surface
Light duty road, all weather, improved surface
Unimproved road, fair or dry weather
Interstate Route
U.S. Route
State Route
UPPER FREEPORT
LOWER FREEPORT
UPPER KITTANNING
LOWER KITTANNING
BROOKVILLE
Revisions shown in purple compiled in cooperation with
Commonwealth of Pennsylvania agencies from aerial
photographs taken 1977 and other sources. This
information not field checked. Map edited 1981
MC GEES MILLS, PA.
N4052.5—W7845.7.5
1968
PHOTOREVISED 1981
DMA 5285 IV NE-SERIES V03.1

IMAPS#20995