

**Explanation**  
Approximate ranges of total gamma  
radioactivity recorded along  
flight lines (counts per second)



400 to 500



300 to 400



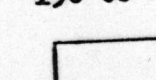
250 to 300



200 to 250



150 to 200



0 to 150

Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS

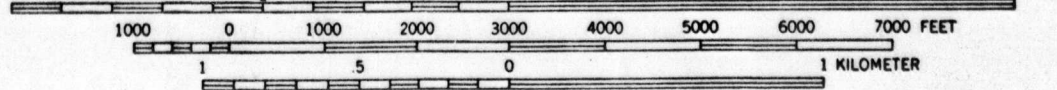
Topography from aerial photographs by photogrammetric methods  
Aerial photographs taken 1951-1952. Field check 1960

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

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

Red tint indicates areas in which only landmark buildings are shown  
Purple hatching indicates areas to be submerged by Boltzville Lake  
at elevation 528 feet. Areas covered by dashed purple pattern  
are subject to controlled inundation to 651 feet

SCALE 1:24,000



CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL

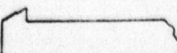
U. S. Geological Survey

OPEN FILE REPORT 75-91

This report is preliminary and has  
not been edited or reviewed for  
conformity with Geological Survey  
standards or nomenclature.

ROAD CLASSIFICATION

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



PENNSYLVANIA  
QUADRANGLE LOCATION

As shown in purple compiled in cooperation with  
Pennsylvania agencies from aerial photographs  
1970. This information not field checked

LEIGHTON, PA.  
SW/4 LEIGHTON 15' QUADRANGLE  
N4045-W7537.5/7.5

1960  
PHOTOREVISED 1970  
AMS 5865 1 SW-SERIES V9

AIRBORNE RADIOACTIVITY SURVEY OF PARTS OF CARBON, SCHUYLKILL,  
AND MONROE COUNTIES, PENNSYLVANIA  
by  
Harry Klemic and Margaret C. Cooper