



Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography by photogrammetric methods from aerial  
photographs taken 1962 and 1963. Field checked 1964  
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  
Red tint indicates area in which only landmark buildings are shown

SCALE 1:24,000

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

Information for contours obtained from  
U.S. Folios No. 94 and No. 110, and  
PGS. Atlas No. 48

Generalized Structure Contours  
Drawn on the base of the  
Pittsburgh Coal Seam

ROAD CLASSIFICATION

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

MOUNT PLEASANT 7.5' QUADRANGLE  
AND PARTIAL CONNELLSVILLE QUADRANGLE  
PENNSYLVANIA  
NE 1/4 CONNELLSVILLE 7.5' QUADRANGLE  
N40075-W7930-7.5  
1964  
AMS 5064 II NE-SERIES V831

Outcrop Inventory Areas  
See Vol. I Sec. 10

Pipe Diversion

Discharges

Flume Diversion

Test Borings

Unmapped Mine Openings  
Located During Outcrop Inventory

UTM GRID AND 1984 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

<b>SL 103-4</b>			
OUTCROP & DISCHARGE LOCATION PLAN			
<b>L. ROBERT KIMBALL</b> CONSULTING ENGINEERS			
EBensburg		PITTSBURGH	
PENNSYLVANIA			
DRAWN BY	DATE	CODE NO.	SHEET NO.
TRACED BY	DATE		PLATE I
CHECKED BY	DATE	SCALE	
APPROVED BY	DATE	1" = 2000'	OF
DATE	REVISED	BY	