



Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, and Pennsylvania Department of Highways  
Topography from aerial photographs by multiplex methods  
Aerial photographs taken 1942. Field check 1948  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Pennsylvania coordinate system,  
north zone  
Contours in strip mine and mine dump areas  
compiled from 1942 photography

APPROXIMATE MEAN  
DECLINATION, 1948

TRUE NORTH  
MAGNETIC NORTH

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 25, D. C.  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

EDITION OF 1950

**ROAD CLASSIFICATION**

HARD SURFACE ALL WEATHER ROADS	DRY WEATHER ROADS
Heavy-duty 4 LANE 18 LANE	Improved dirt
Medium-duty 4 LANE 18 LANE	Unimproved dirt
Loose surface, graded, or narrow hard surface	
U. S. Route	State Route

**FREELAND, PA.**  
SW 1/4 WILKES-BARRE 15' QUADRANGLE  
N4100-W7552 5/7.5