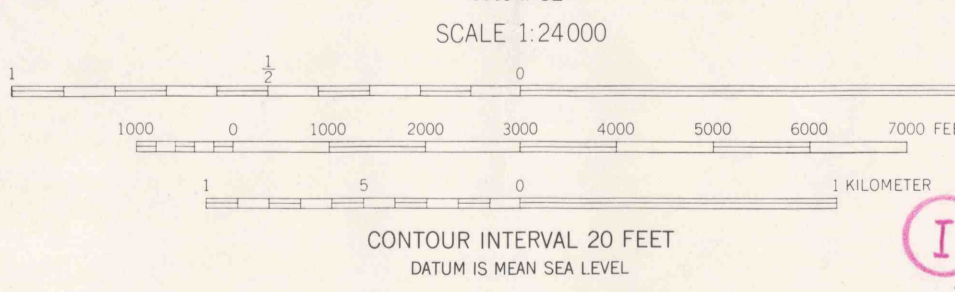
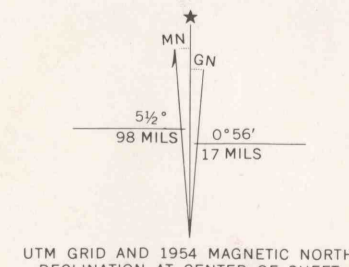


Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography from aerial photographs by multiplex methods  
Aerial photographs taken 1952. Field check 1954  
Polyconic projection, 1927 North American datum  
10,000-foot grid based on Pennsylvania coordinate system,  
south zone  
Red tint indicates areas in which only  
landmark buildings are shown  
Blue dashed lines indicate area subject to  
controlled inundation  
Contours in strip mine and mine dump areas  
compiled from 1952 photography  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue

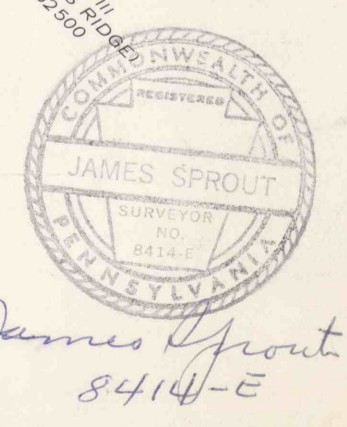


ROAD CLASSIFICATION

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

**ALLEGHENY RIVER MINING**  
**KITTANNING PA.**  
**CADOGAN MINE No 2**  
**SOUTH BUFFALO & CADOGAN TOWNS.**  
**ARMSTRONG CO. PA. OCT. 1966**

LEECHBURG, PA.  
NE/4 FREEPORT 15' QUADRANGLE  
N4037.5 - W7930/7.5  
1954



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
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**PERMIT NUMBER - 161-3**  
**"B"-OR LOWER KITTANNING SEAM**