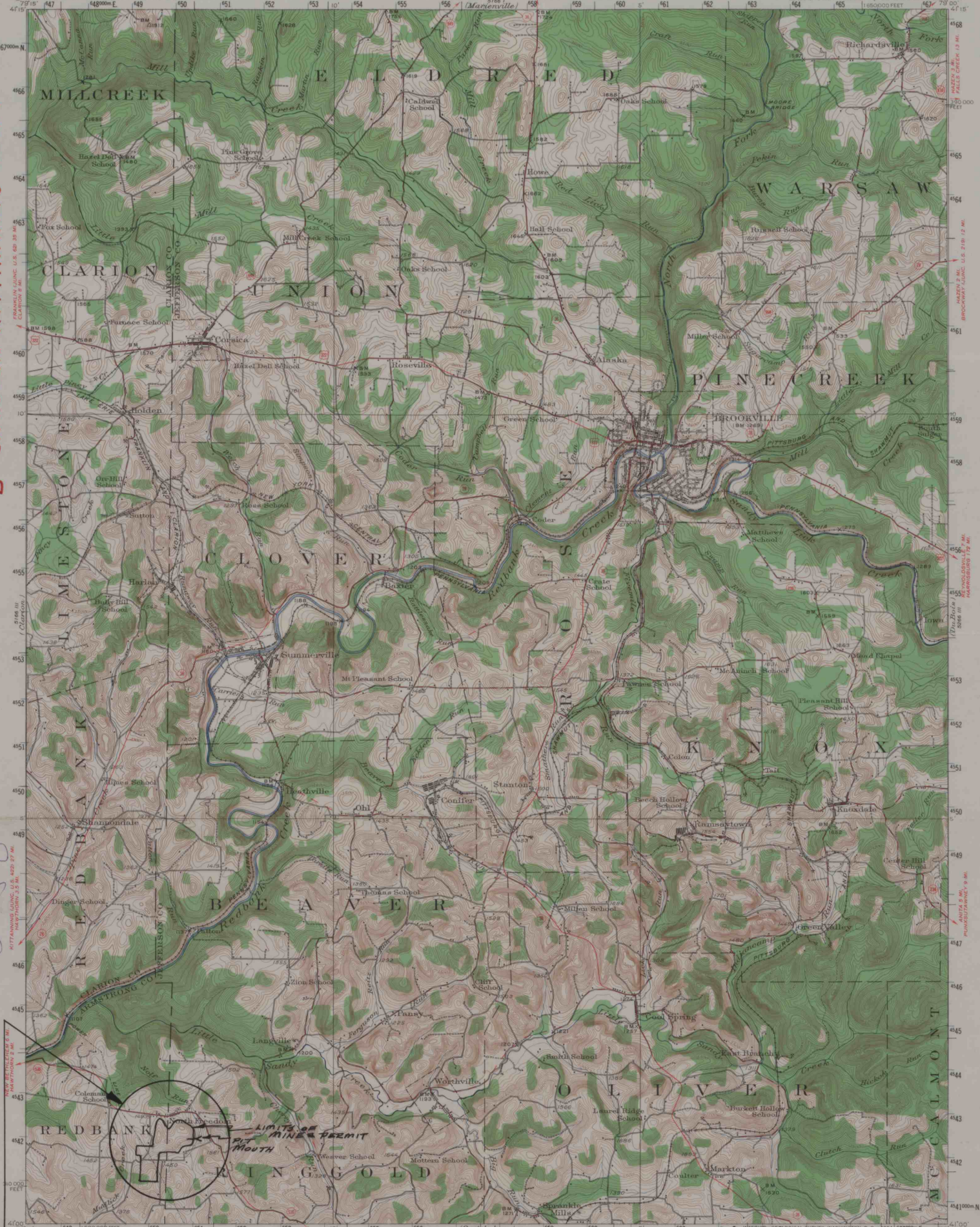


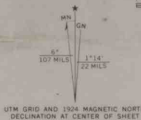
RINGGOLD TOWNSHIP  
JEFFERSON COUNTY  
REDBANK TOWNSHIP  
ARMSTRONG COUNTY  
PERMIT NUMBER - 322-1  
"B"-OR LOWER KITTANNING SEAM



FREEDOM MINING CO.  
MINICH No. 1 MINE  
Submitted by: J.M. Douglas, R.S.  
April 26, 1967

Topography by A.T. Fowler and F.H. Sargent  
Control in part by Pennsylvania State Highway Department  
and Pennsylvania Railroad  
Surveyed in 1922 and 1924

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



FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Interior-Geological Survey, Washington, D. C., 1944  
Polyconic projection, 1927 North American datum  
10000 foot grid based on Pennsylvania (North)  
rectangular coordinate system  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue

PUNXSUTAWNEY 8 MI.  
ALTOONA 9 MI.  
BROOKVILLE PA.  
N400-W7300/S

1924

AMS 5166 II—SERIES V731