

U. S. GEOLOGICAL SURVEY  
TOPOGRAPHIC FILES  
**TOPOGRAPHY**

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This sheet must not be taken  
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from the Chief Geographer.  
Advance sheet.  
Subject to correction.

DEPARTMENT OF THE INTERIOR  
FRANKLIN K. LANE, SECRETARY  
U. S. GEOLOGICAL SURVEY  
GEORGE OTIS SMITH, DIRECTOR

STATE OF WEST VIRGINIA  
I. C. WHITE  
STATE GEOLOGIST

STATE OF KENTUCKY  
GEOLOGICAL SURVEY  
J. B. HOEING, STATE GEOLOGIST

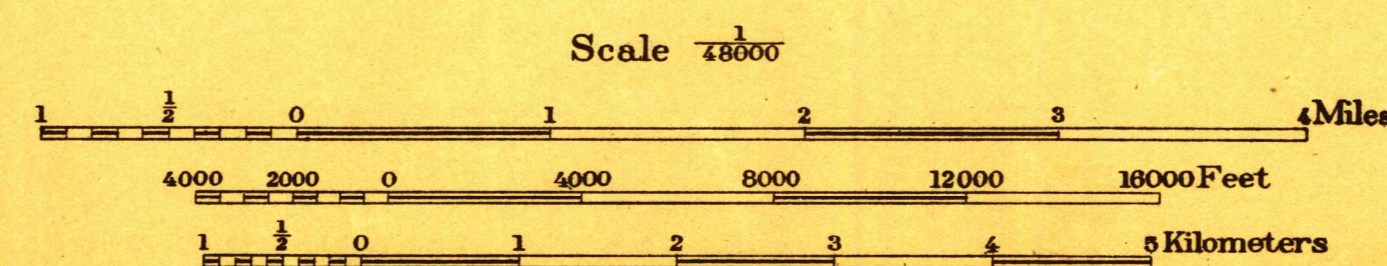
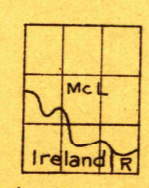
WEST VIRGINIA-  
KENTUCKY-VIRGINIA  
MATEWAN QUADRANGLE

*(Navy)*  
21' 15"  
37° 45'

*(Logan)*  
82° 00'  
37° 45'



R. B. Marshall, Chief Geographer  
Frank Sutton and W.H. Herron Geographers in Charge  
Topography by Fred McLaughlin, E.I. Ireland and W.A. Reiter  
Control by E.L. McNair, T.A. Green, S.R. Archer and G.W. Lucas.  
Surveyed in 1909 and 1915.  
SURVEYED IN COOPERATION WITH THE STATES OF WEST VIRGINIA AND KENTUCKY



12"  
TRUE NORTH  
MAGNETIC NORTH  
APPROXIMATE MEAN  
DECLINATION 1915

**FILE COPY**  
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Contour interval 50 feet.  
Datum is mean sea level.

*(Regina)*  
82° 15'  
37° 30'

*(Hager)*  
82° 00'  
37° 30'