

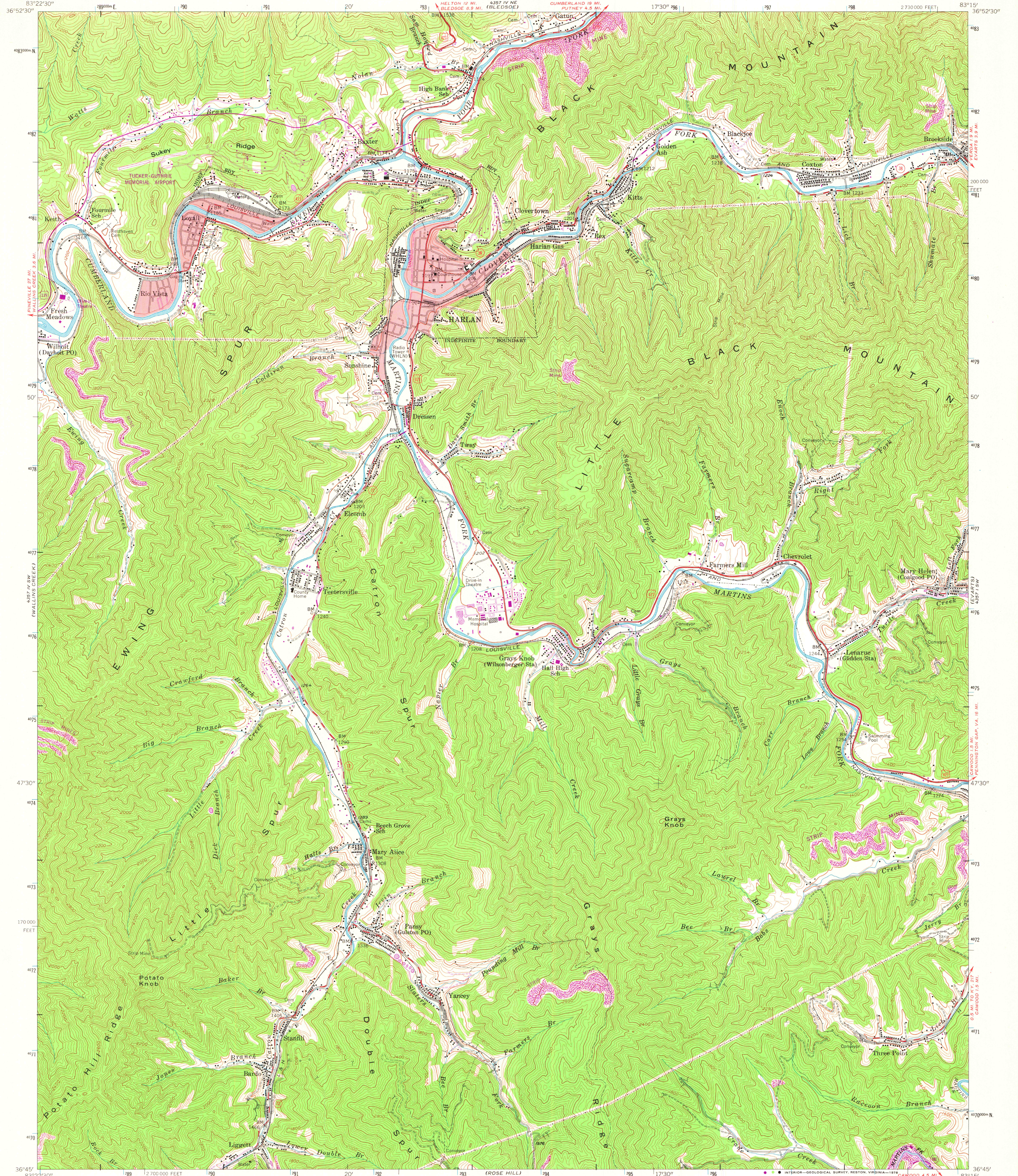
4387 1/4 NW  
(HELTON)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

STATE OF KENTUCKY  
AGRICULTURAL AND INDUSTRIAL DEVELOPMENT BOARD

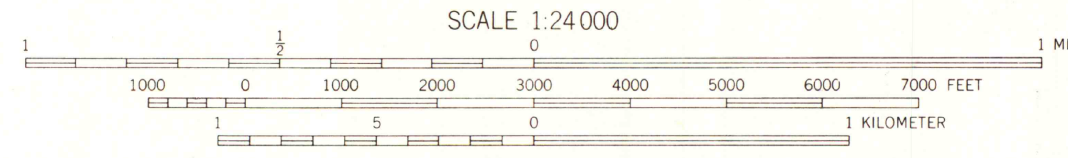
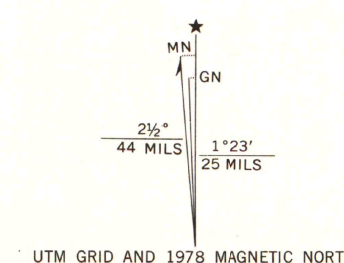
HARLAN QUADRANGLE  
KENTUCKY—HARLAN CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

4387 1/4 NW  
(NOLANSBURG)

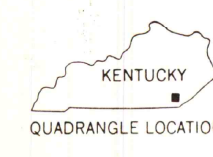


Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography from aerial photographs by multiplex methods  
Aerial photographs taken 1952-1953. Field check 1954  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Kentucky coordinate system,  
south zone  
Red tint indicates areas in which only landmark  
buildings are shown  
Contours in strip mine areas from 1952 and 1953 photography  
Unchecked elevations are shown in brown  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue

Revisions shown in purple compiled from aerial photographs  
taken 1976 and other source data. Contours adjusted  
adjacent to certain photorevised hydrographic features  
This information not field checked. Map edited 1978



SCALE 1:24,000  
CONTOUR INTERVAL 40 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092  
KENTUCKY GEOLOGICAL SURVEY, LEXINGTON, KENTUCKY 40506,  
AND KENTUCKY DEPARTMENT OF COMMERCE, FRANKFORT, KENTUCKY 40601  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
U. S. Route ——— State Route ———  
MAP AND AIR PHOTO LIBRARY  
MAY 12 1979  
University of Wisconsin  
Madison  
HARLAN, KY.  
N 3645—W 8315/7.5  
1954  
PHOTOREVISED 1978  
AMS 4357 IV SE—SERIES V853