UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF KENTUCKY
KENTUCKY GEOLOGICAL SURVEY
UNIVERSITY OF KENTUCKY

BROAD BOTTOM QUADRANGLE
KENTUCKY
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 HAROLD 15' QUADRANGLE

4459 II NW (DEWEY LAKE)
4459 II NE (THOMAS)
4559 III NW (VARNEY)
4459 II SW (HAROLD)
4559 III SW (META)
(MC DOWELL) 4458 I NW
(PIKEVILLE) 4458 I NE
(MILLARD) 4558 IV NW

82°37'30" 82°30'
37°37'30" 37°30'
2 940 000 FEET
480 000 FEET
450 000 FEET
4165000m N
4152000m N
57 58 59 60 35' 61 32'30" 65 66
4164 4163 4162 4161 35' 4160 4159 4158 4157 32'30" 4156 4155 4154 4153 4152

GULNARE 0.3 MI.
PIKEVILLE 2.8 MI.
HAROLD 0.6 MI.
47 MI. TO U.S. 119

Mapped, edited, and published by the Geological Survey

Control by USGS, NOS/NOAA, and USCE

Topography by photogrammetric methods from aerial photographs taken 1951. Field checked 1954. Revised from aerial photographs taken 1975. Field checked 1976. Map edited 1979

Polyconic projection. 1927 North American datum
10,000-foot grid ticks based on Kentucky coordinate system, south zone
1000-meter Universal Transverse Mercator grid, zone 17
1927 North American datum
To place on the predicted North American Datum 1983
move the projection lines 7 meters south and
11 meters west as shown by dashed corner ticks

Johns Creek subject to controlled inundation to 686 feet

Dashed contours in strip mine areas not revised

MN GN
3° 53 MILS 0°57' 17 MILS
UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

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

KENTUCKY
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Primary highway, hard surface
Secondary highway, hard surface
Light-duty road, hard or improved surface
Unimproved road
Interstate Route U. S. Route State Route

MAP AND AIR PHOTO LIBRARY
OCT 30 1979
University of Wisconsin Madison

BROAD BOTTOM, KY.
SE/4 HAROLD 15' QUADRANGLE
N3730—W8230/7.5
1979
DMA 4459 II SE—SERIES V853

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1979