



U.S. DEPARTMENT OF THE INTERIOR  
U. S. GEOLOGICAL SURVEY



BENHAM QUADRANGLE  
KENTUCKY-VIRGINIA  
7.5-MINUTE SERIES



Produced by the United States Geological Survey  
North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84). Projection and  
1 000-meter grid: Universal Transverse Mercator, Zone 17S  
10 000-foot ticks: Kentucky Coordinate System of 1983  
(south zone) and Virginia Coordinate System of 1983  
(south zone)

Imagery.....NAIP, August 2008 - October 2008  
Roads.....©2006-2010 Tele Atlas  
Roads within US Forest Service Lands.....FS Topo Data  
with limited Forest Service updates, 2009  
Names.....GNIS, 2009  
Hydrography.....National Hydrography Dataset, 2008  
Contours.....National Elevation Dataset, 2002

UTM GRID AND 2011 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

6° 13' N  
11° 10' N  
21° 10' N

U.S. National Grid  
100,000-m Square ID  
1A  
Grid Zone Designation  
17S

SCALE 1:24 000

1 0.5 0 0.5 1 2  
1000 500 0 500 1000  
KILOMETERS  
1 0.5 0 0.5 1 2  
1000 500 0 500 1000  
METERS  
1 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000  
MILES  
FEET

CONTOUR INTERVAL 40 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with version 0.5.10 of the  
draft USGS Standards for 7.5-Minute Quadrangle Maps.  
A metadata file associated with this product is draft version 0.5.13



QUADRANGLE LOCATION		
Tilford	Roxana	Whitesburg
Louellen	Benham	Appalachia
Permington Gap	Keeokee	Big Stone Gap

ADJOINING 7.5' QUADRANGLES

ROAD CLASSIFICATION

Interstate Route  
US Route  
Ramp

State Route  
Local Road  
4WD

FS Primary Route  
FS Passenger Route  
FS High Clearance Route

Check with local Forest Service unit  
for current travel conditions and restrictions.

BENHAM, KY-VA  
2011