

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

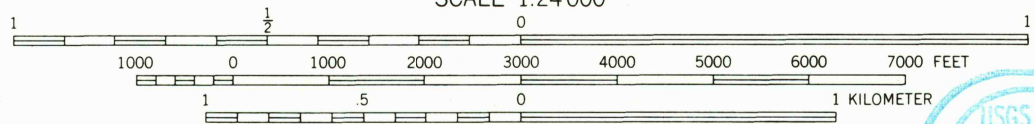
COMMONWEALTH OF VIRGINIA  
DIVISION OF MINERAL RESOURCES

BENNS CHURCH QUADRANGLE  
VIRGINIA  
7.5 MINUTE SERIES (TOPOGRAPHIC)



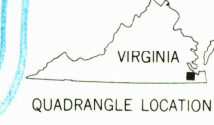
Produced by the United States Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial  
photographs taken 1963. Field checked 1965  
Supersedes Army Map Service map dated 1957  
Selected hydrographic data compiled from USC&GS Chart 529 (1965)  
This information is not intended for navigational purposes  
Polyconic projection, 1927 North American datum  
10,000-foot grid based on Virginia coordinate system,  
south zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 18, shown in blue  
The difference between 1927 North American Datum and North  
American Datum of 1983 (NAD 83) for 7.5-minute intersections  
is given in USGS Bulletin 1875. The NAD 83 is shown by  
dashed corner ticks  
Fine red dashed lines indicate selected fence and field lines where  
generally visible on aerial photographs. This information is unchecked

Photos inspected from 1989 source; no major culture or drainage  
changes observed. Boundaries and names revised 1992



CONTOUR INTERVAL 10 FEET  
DOTTED LINES REPRESENT 5-FOOT CONTOURS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER  
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE  
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER  
THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.8 FEET  
THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225,  
OR RESTON, VIRGINIA 22092  
AND VIRGINIA DIVISION OF MINERAL RESOURCES, CHARLOTTESVILLE, VIRGINIA 22903  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS AND HISTORICAL  
MAP ARCHIVES  
NOV 17 1992  
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ROAD CLASSIFICATION  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
U. S. Route ——— State Route ———

BENNS CHURCH, VA.  
36076-H5-TF-024

1965  
PHOTOREVISED 1986  
MINOR REVISION 1992  
DMA 5657 1 NE—SERIES V834

Revisions shown in purple compiled in cooperation with Commonwealth  
of Virginia agencies from aerial photographs taken 1982 and other  
source data. This information not field checked. Map edited 1986