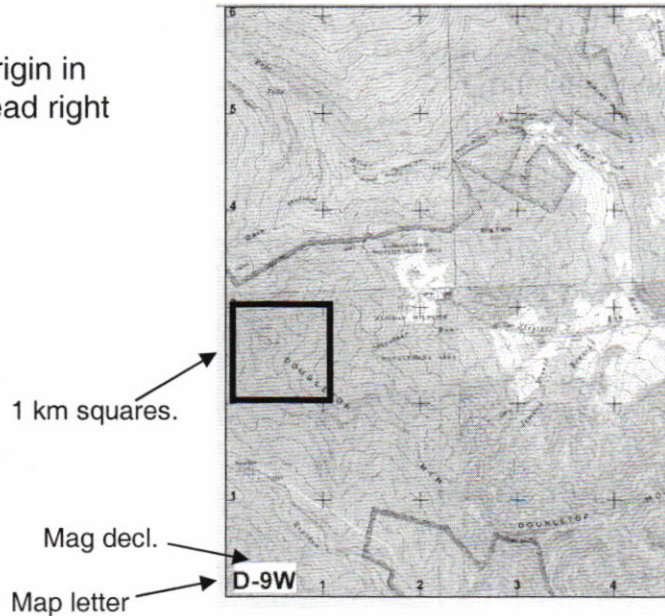
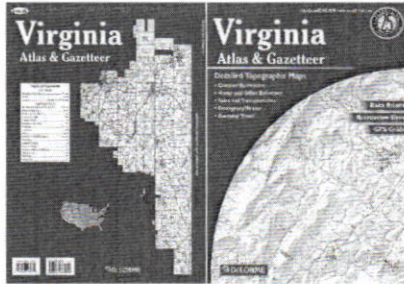


Map Systems Guide

ASRC SYSTEM

Uses 1 km grids. Labeled with a 0,0 origin in lower left, read to 1/10 km precision “read right up” “Delta-One-Four-Two-Six”



GAZETTEER

Large scale topographic map book of a state.

Each page is 16 USGS topo maps in size.

LAT / LONG

Measured in Degrees, Minutes, Seconds. ($^{\circ}$ ' ") Read from the edge of the USGS topo.
 $1^{\circ} = 60'$ and $1' = 60''$

1" lat = 1 nautical mile = 1.15 statute mile

GPS

Uses several variants of Lat/Long.

$150^{\circ} 20' 30'' = 150^{\circ} 20.5' = 150.342^{\circ}$

UTM (Universal Transverse Mercator)

Military system for mapping entire globe. Uses meters for position. Also has many zones throughout the world, each having a different coordinate origin. Need to know what zone you are in to give the coordinates! Zone 17, 4209400 N 710400 E

BRMRG Map Filing System

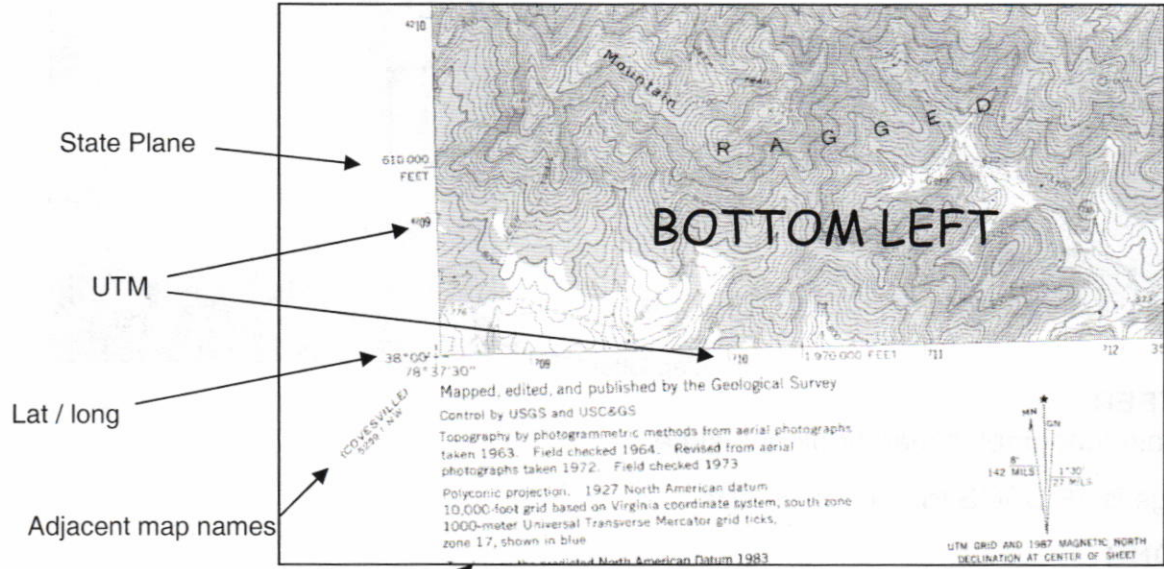
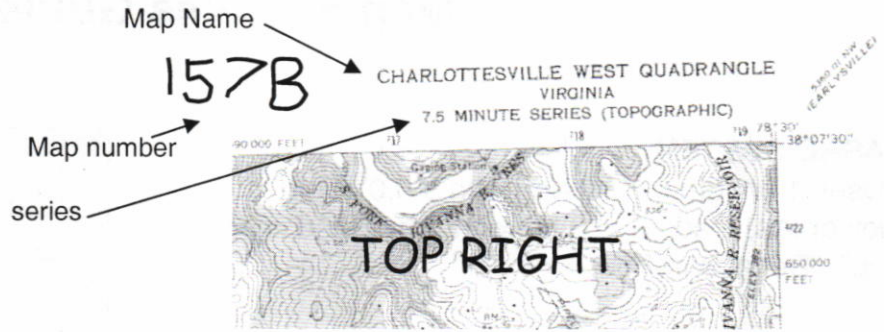
Each Topo is given a unique map number and letter combo. The letter is the file folder in the lap drawer that contains the map, and the letter is the quadrant that the map is in. Each folder contains copies of 4 USGS topos.

VA grid block (148) = 1 folder(148) = 4 topos (148A, 148B, 148C, 148D)

B	A
C	D

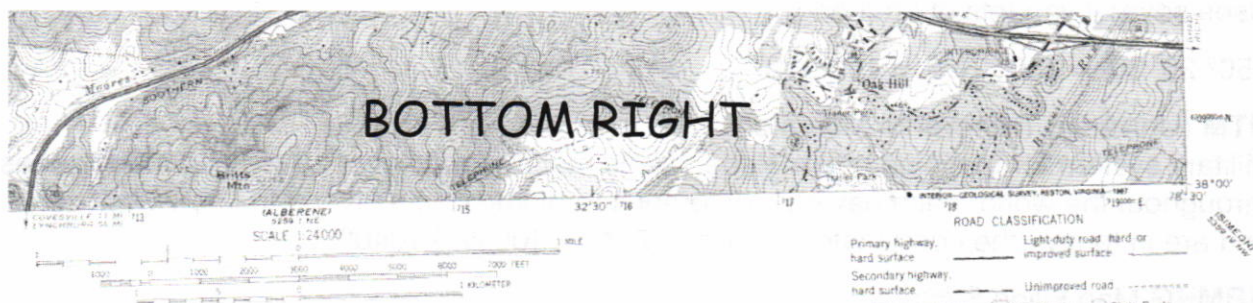
TOPO MAP INFO

There's useful information on the edge of the topo if you have to convert between coordinate systems



UTM Zone

Declination indicator true north, grid north (UTM) and magnetic north



ROAD CLASSIFICATION

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

THIS MAP COMPLIES 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, CHARLOTTEVILLE, VIRGINIA 22903 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple and woodland contours in cooperation with Commonwealth of Virginia agencies from aerial photographs taken 1984 and other sources. This information not field checked Map added 1987

CHARLOTTEVILLE WEST, VA. 38078-A5-TF-024
 1973
 PHOTOREVISED 1987
 DMA 5000 IF NE-SERIES 1984

Map scale

Contour interval

legend

Revision date