



# Richmond

## VIRGINIA

1:100 000-scale metric topographic map

30 X 60 MINUTE QUADRANGLE SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names

GEOLOGICAL SURVEY

1984

Produced by the United States Geological Survey  
Compiled from USGS 1:24 000-scale topographic maps dated 1968-1981. Planimetry revised from aerial photographs taken 1984 and other source data. Revised information not field checked. Map edited 1984.  
Projection and 10 000-meter grid, zone 18: Universal Transverse Mercator  
25 000-foot grid ticks based on Virginia coordinate system, south and north zones  
1927 North American Datum  
To place on the predicted North American Datum 1983 move the projection lines 10 meters south and 26 meters west  
There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL: 10 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY  
P.O. BOX 25286, DENVER, COLORADO 80225

CONVERSION TABLE	
Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
6	19.6850
7	22.9659
8	26.2467
9	29.5275
10	32.8084

To convert meters to feet multiply by 3.2808  
To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

ADJOINING MAPS		
1	2	3
4	5	6
7	8	9

- 1 Charlottesville
- 2 Fredericksburg
- 3 Alexandria
- 4 Dillan
- 5 Appomattox
- 6 Appomattox
- 7 Petersburg
- 8 Williamsburg

RECEIVED MAR 31 2001  
ISBN 0-607-5659-0  
9 780607 5659 8

### Topographic Map Symbols

Primary highway, hard surface  
Secondary highway, hard surface  
Light duty road, principal street, hard or improved surface  
Other road or street, trail  
Route marker: Interstate, U. S., State  
Railroad: standard gage; narrow gage  
Bridge: overpass; underpass  
Tunnel: road, railroad  
Built up area; locality; elevation  
Airport: landing field; landing strip  
National boundary  
State boundary  
County boundary  
National or State reservation boundary  
Land grant boundary  
U. S. public lands survey: range, township, section  
Range, township, section line: pretracted  
Power transmission line; pipeline  
Canal; dam; well; lock  
Cemetery, building  
Windmill; water well; spring  
Mine shaft; adit or cave; mine, quarry; gravel pit  
Campground; picnic area; U. S. location monument  
Ruins; cliff dwelling  
Disturbed surface: strip mine; lava; sand  
Contours: index, intermediate, supplementary  
Bathymetric contours: index, intermediate  
Stream, lake: perennial, intermittent  
Rapids, large and small; falls, large and small  
Area to be submerged; marsh, swamp  
Land subject to controlled inundation; woodland  
Scrub; mangrove  
Orchard; vineyard

A pamphlet describing topographic maps is available on request

TOTAL RECYCLED PAPER