



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 landholdings within the boundaries of the National or State reservations shown on this map.

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

USGS NMD HISTORICAL MAP
THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS
JAN 24 1990
REC'D FILE COPY

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	1983 GN		1	2	3
1	3.2808	10° 11' 15"		1	2	3
2	6.5617	10° 11' 15"		4	5	6
3	9.8425	10° 11' 15"		7	8	9
4	13.1234	10° 11' 15"		10	11	12
5	16.4042	10° 11' 15"		13	14	15
6	19.6850	10° 11' 15"		16	17	18
7	22.9659	10° 11' 15"		19	20	21
8	26.2467	10° 11' 15"		22	23	24
9	29.5275	10° 11' 15"		25	26	27
10	32.8084	10° 11' 15"		28	29	30

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

UTM grid convergence (GN and 1983 magnetic declination (MD)) at center of map Diagram is approximate

1 Charleston
2 Fredericksburg
3 Leesville
4 Culpeper
5 Poplarville
6 Appomattox
7 Petersburg
8 Williamsburg

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

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: protected	—————
Power transmission line; pipeline	—————
Gas; gas with flow	—————
Cemetery; building	—————
Windmill; water well; spring	—————
Mine shaft; adit or cave; mine; quarry; gravel pit	—————
Campground; picnic area; U. S. location monument	—————
Rune; cliff dwelling	—————
Deserted 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.

Richmond, Virginia
37077-E1-TM-100
1984

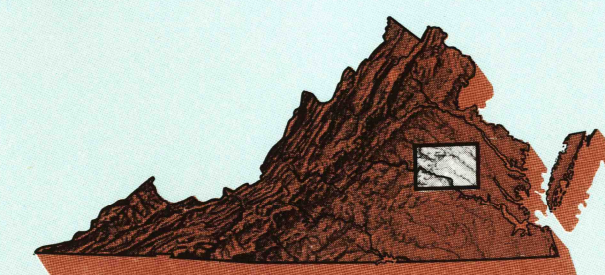
RICHMOND, VIRGINIA

30 X 60 MINUTE SERIES (TOPOGRAPHIC)

37077-E1-TM-100

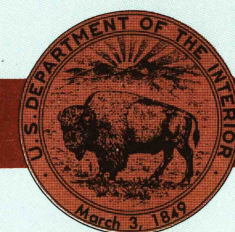
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