



Base prepared by the U. S. Army Topographic Command (AM), Washington, D. C., compiled in 1947 from United States quadrangles, 1:31,680, 1:62,500, and 1:125,000, 1891-1945. Planimetry revised from aerial photographs taken 1936-44. Road, railroad and aeronautical data verified by state authorities, 1947.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS
 VIRGINIA SOUTH — VIRGINIA NORTH
 INDEX TO COUNTY BOUNDARIES
 (See county designations list for county identification)

PLANE COORDINATE ZONES
 VIRGINIA SOUTH VIRGINIA NORTH

HORIZONTAL CONTROL

National Ocean Survey
 Geographical Survey

- Monumented Point - First Order
- Monumented Point - Second Order
- Monumented Point - Third Order
- Located Object - Third Order
- See separate index for names of numbered stations
- Station reported not recovered
- Measured Base - Electro Optical or Taped
- Line of triangulation observed
- Line of triangulation observed from one end only
- Measured length - Electronic or Taped
- Theodolite Traverse - Electronic Distance
- Transit Traverse - Taped Distance Third Order
- Transit Traverse and Leveling Third Order

VERTICAL CONTROL

National Ocean Survey
 Geographical Survey

- First Order
- Second Order
- Third Order

STATE SURVEY CONTROL

Horizontal or Vertical

Scale 1:250,000
 0 5 10 15 20 25 30 Statute Miles
 0 5 10 15 20 25 30 Kilometers

TRANSVERSE MERCATOR PROJECTION
 LOCATION DIAGRAM FOR NJ 17-9

LEGEND ROAD DATA 1947

ROADS
 Hard surface, heavy duty
 More than two lanes wide
 Two lanes wide; Federal route marker
 Hard surface, medium duty
 More than two lanes wide
 Two lanes wide; State route marker
 Improved light duty
 Unimproved dirt
 Trail

RAILROADS
 Standard gauge
 Narrow gauge
 International
 County
 Park or reservation

LANDMARKS: School; Church; Other 4 ft
 Spot elevation in feet
 Marsh or swamp
 Intermittent or dry stream
 Power line

NATIONAL OCEAN SURVEY
 THIRTY MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

ORDER CONTROL DATA, SHOWN IN BLACK, BY 30 MINUTE QUADRANGLE UNITS FROM OFFICE OF NATIONAL GEODETIC SURVEY, NOAA, ROCKVILLE, MARYLAND 20852.

GEOLOGICAL SURVEY
 FIFTEEN MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

ORDER CONTROL DATA, SHOWN IN RED, BY 15 MINUTE QUADRANGLE UNITS FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON, D. C. 20244.

USCOMM NOAADC JUNE 1974 A5711
 VIRGINIA (NJ 17-9)
 NOVEMBER 1972

U. S. DEPARTMENT OF COMMERCE
 ENVIRONMENTAL SCIENCE SERVICES ADMIN.
 COAST AND GEODETIC SURVEY
 ROCKVILLE, MARYLAND 20852
 FORM - 6471 (2/68)
 DATE APR 1974

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

PAGE 1
 QUADS 370781-2-3-4 & 370791-2-3-4
 VA
 LATITUDE 37°00' TO 38°00'
 LONGITUDE 78°00' TO 80°00'
 DIAGRAM NJ 17-9 RUANOKE

KEY NO	STATION NAME	QUAD NO	STATION NO
1	AIRWAY BN NO 50 8 MI SE OF CHARLOTTESVILLE	370781	1023
2	CARTER MOUNTAIN JEFFERSON TV CABLE MAST	370781	1024
3	CREWE	370782	1005
3	CREWE SOUTHSIDE ELECTRIC CO-OP MAST	370782	1045
4	CUMBERLAND	370782	1005
4	CUMBERLAND SOUTH MERIDIAN	37 782	1007
4	CUMBERLAND LOOKOUT TOWER	37 782	1046
5	LEIGH	37 782	1016
5	LEIGH MT LOOKOUT TOWER LEIGH RM 2	37 782	1017
5	WILLIS MOUNTAIN SE OF	37 782	1052
6	WILLIS	37 782	1030
6	WILLIS 2	37 782	1031
6	WILLIS MOUNT LOOKOUT TOWER	37 782	1032
7	A T AND T CO TOWER 7 MILES NE OF FARMVILLE	37 782	1033
8	BLACKSTONE CITY WATER TANK	37 782	1035
8	BLACKSTONE MUNICIPAL WATER TANK	37 782	1036
9	BLACKSTONE VA TELEP AND TELEG CO TOWER	37 782	1038
10	BURKEVILLE MUNICIPAL WATER TANK	37 782	1039
11	BURKEVILLE PIEDMONT SANATORIUM STACK	37 782	1040
12	BURKEVILLE PIEDMONT SANATORIUM WATER TANK	37 782	1041
13	BURKEVILLE VENEER CO WATER TANK	37 782	1042
14	CREWE MUNICIPAL WATER TANK	37 782	1043
15	CREWE RADIO STATION WSVS MAST	37 782	1044
16	FARMVILLE INDUSTRIAL TANK	37 782	1047
17	FARMVILLE RADIO STATION WFLO MAST	37 782	1048
18	FARMVILLE MUNICIPAL WATER TANK	37 782	1049
19	KEYSVILLE INTERSTATE AIRWAY COMMUN TOWER	37 782	1050
20	KEYSVILLE MUNICIPAL WATER TANK	37 782	1051
21	APPOMATTOX MICROWAVE RELAY TOWER	37 783	1025
21	APPOMATTOX POLICE RADIO TOWER	37 783	1027
22	APPOMATTOX MUNICIPAL WATER TANK	37 783	1026
23	APPOMATTOX TRANSCON GAS PIPE LINE CO MAST	37 783	1028
24	DAUG	37 784	1009
24	LOVINGSTON CALVARY BAPTIST CHURCH SPIRE	37 784	1041
25	FAN MOUNTAIN	37 784	1010
25	FAN MTN MC CORMICK OBSERVATORY	37 784	1011
26	HEARD	37 784	1015
26	HEARD MTN A T AND T RELAY MAST	37 784	1038
26	HEARD MTN CONSOLIDATED GAS PIPELINE CO MAST	37 784	1039
26	HEARD MTN LOOKOUT TOWER	37 784	1016

KEY NO	STATION NAME	QUAD NO	STATION NO
27	LINE	37 784	1014
27	LINE 2	37 784	1020
27	BENCH MARK Q 147	37 784	1019
28	LOAF	37 784	1021
28	BENCH MARK ET 5 MAX USGS	37 784	1022
28	SUGAR LOAF MOUNTAIN LOOKOUT TOWER NO 37	37 784	1023
29	AMHERST	37 791	1003
29	AMHERST MUNICIPAL WATER TANK	37 791	1037
30	RAPHINE	37 791	1024
30	TT 27 D USGS	37 791	1025
31	TOBACCO ROW	37 791	1028
31	TOBACCO ROW 2	37 791	1029
31	TOBACCO ROW 3	37 791	1031
31	LYNCHBURG RADIO STATION WLVA MAST	37 791	1030
32	AMHERST CENTRAL VA TELEPHONE CO COMMUN MAST	37 791	1036
33	LEXINGTON FILTRATION PLANT TOWER	37 791	1042
34	LEXINGTON RADIO STATION W R E L MAST	37 791	1043
35	ROBINSONS GAP PEAK SW OF	37 791	1046
36	AIR	37 792	1001
36	AIRPORT BN PRESTON GLEVN AIRPORT LYNCHBURG	37 792	1037
37	EVERS	37 792	1005
37	BENCH MARK VA GEOD SURVEY NEAR STA EVERS	37 792	1006
38	JOHNSON	37 792	1014
38	JOHNSONS MT	37 792	1040
38	JOHNSON MOUNTIAN TV STATION WLVA MAST	37 792	1015
39	LONG MOUNT	37 792	1019
39	LONG MOUNT 2	37 792	1020
40	RUST	37 792	1028
40	BENCH MARK 11 USGS	37 792	1029
41	TYREE	37 792	1032
41	TYRECANA CHURCH	37 792	1047
42	ALTAVISTA STAUNTON RIVER FINISHING CO STACK	37 792	1036
43	CAMPBELL CO COURTHOUSE JAIL	37 792	1038
44	CHANDLERS MT	37 792	1039
45	LONG MOUNTIAN C-P TELEPHONE CO RELAY MAST	37 792	1041
46	LYNCHBURG COURTHOUSE BELFRY	37 792	1042
47	MADISON HEIGHTS RADIO STATION WDMs MAST	37 792	1043
48	ROUND TOP	37 792	1046
48	ROANOKE WASHINGTON AIRWAY BEACON NO 44A	37 792	1045
49	BEDFORD	37 793	1004

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 DIAGRAM NJ 17-9 ROANOKE

KEY NO	STATION NAME	QUAD NO	STATION NO
49	BEDFORD MUNICIPAL WATER TANK	37 793	1005
50	BLUE KNOB	37 793	1006
50	BENCH MARK USGS NEAR STA BLUE KNOB	37 793	1007
51	FLAT BEDFORD CO	37 793	1012
51	AIRWAY BEACON NO 41 4 MILES SSW OF THAXTON	37 793	1056
52	FLAT TOP	37 793	1013
65	GRAVEL HILL BAPTIST CHURCH SPIRE	37 793	1062
54	MUNROE ROANOKE CO	37 793	1026
54	ROANOKE FIRST CHURCH OF THE BRETHREN SPIRE	37 793	1065
54	RNG ROANOKE RADIO ROA	37 793	1064
55	ROANOKE	37 793	1035
55	ROANOKE REFERENCE MARK 4	37 793	1036
55	CITY OF ROANOKE BENCH MARK	37 793	1037
55	ROANOKE POLICE RADIO STATION KIC 820 MAST	37 793	1067
56	SMITH MOUNTAIN	37 793	1039
56	SMITH MOUNTAIN 2	37 793	1040
57	TINKER USGS	37 793	1043
58	WOODRUM FIELD ARP	37 793	1050
58	AIRPORT BEACON WOODRUM FIELD ROANOKE	37 793	1057
59	WOODRUM FIELD AP STA A	37 793	1051
60	WOODRUM FIELD AP STA B	37 793	1052
61	AIRWAY BEACON NO 40 A 4 MILES NE OF ROANOKE	37 793	1055
62	BEDFORD STATE FOREST LOOKOUT TOWER	37 793	1058
63	FLAT TOP FIRST PEAK NE OF	37 793	1059
64	FLAT TOP SECOND PEAK NE OF	37 793	1060
66	OTTER SW PEAK OF	37 793	1063
67	ROANOKE NORFOLK AND WESTERN R R SHOPS STACK	37 793	1066
68	ROANOKE ST ANDREWS CATHOLIC CHURCH SPIRE	37 793	1068
69	ROCKY MOUNT LANE MANUFACTURING WATER TANK	37 793	1069
70	ROCKY MOUNT RADIO STATION WYTI MAST	37 793	1070
71	TAPCO-ROANOKE LABORATORIES WATER TANK	37 793	1071
72	SOUTHWEST HOUSE MOUNTAIN	37 794	1063
72	BIG HOUSE	37 794	1006
73	FORGE	37 794	1026
73	FORGE AZIMUTH MARK	37 794	1027
74	BUCHANAN HAFLEIGH CO STACK	37 794	1056
75	CLIFTON FORGE RADIO STATION WCFV MAST	37 794	1057
76	COVINGTON RADIO STATION W C F E MAST	37 794	1058
77	EAGLE ROCK LOOKOUT TOWER	37 794	1059
78	GALA ATLANTIC SEABOARD COMPRESSOR STA TANK	37 794	1060

KEY NO	STATION NAME	QUAD NO	STATION NO
79	NORTH MTN VA GAS CO MICROWAVE MAST	37 794	1061
80	NORTHEAST HOUSE MOUNTAIN	37 794	1062
81	ENGLISH	37 792	1004
81	ALTAVISTA MUNICIPAL STANPIPE	37 792	1035
82	MOUNT PLEASANT MOUNTAIN WEST UF	37 791	1045