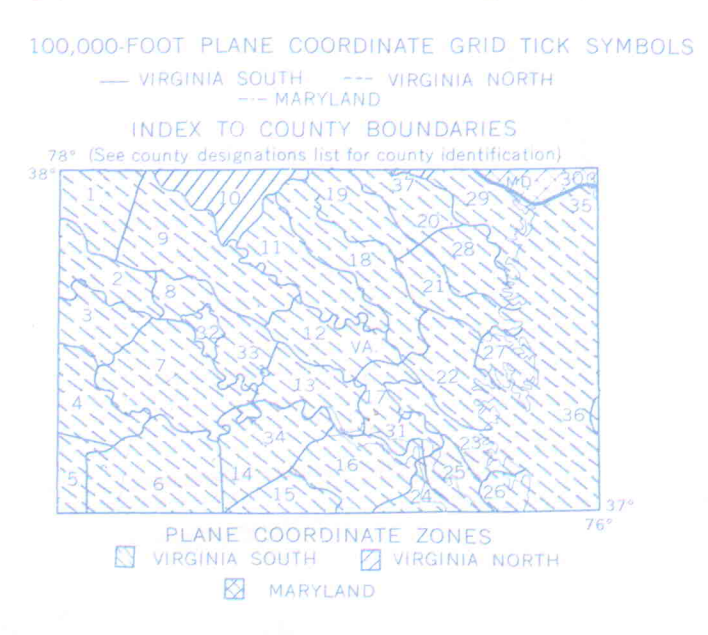


- 1 OP 13 BRIDGE TWR
- 2 3IT A 16
- 3 BOY MON 7 11
- 4 BOY MON 7 12

RICHMOND VA, MD, NJ 18-7

Base prepared by the U. S. Army Topographic Command (TPC), Washington, D. C. Compiled in 1946 by photogrammetric methods and from United States quadrangles, 1:25,000, 1:31,680, 1:50,000, and 1:125,000, 1892-1946. Planimetry revised from aerial photographs taken 1937-43. Revised by the U. S. Geological Survey 1965.



HORIZONTAL CONTROL

National Ocean Survey
 ▲ First Order
 △ Second Order
 ○ Third Order

Geological Survey
 △ First Order
 △ Second Order
 ○ Third Order

Other Agencies
 △ First Order
 △ Second Order
 ○ Third Order

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

WASHINGTON

PLANE COORDINATE ZONES
 VIRGINIA SOUTH
 VIRGINIA NORTH
 MARYLAND

VERTICAL CONTROL

National Ocean Survey
 — First Order
 — Second Order
 - - - Third Order

Geological Survey
 — First Order
 — Second Order
 - - - Third Order

Other Agencies
 — First Order
 — Second Order
 - - - Third Order

STATE SURVEY CONTROL
 Horizontal or Vertical

CODE OF OTHER AGENCIES

DEFENSE MAPPING AGENCY
 Geodetic control established by other agencies, shown in brown, may be obtained from Office of National Geodetic Survey, NOAA, Rockville, Maryland 20852.

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 18-7

INDEX TO COUNTY BOUNDARIES

37 077 4	37 077 1	37 076 4	37 076 1
37 077 3	37 077 2	37 076 3	37 076 2

LEGEND

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

RAILROADS
 Single track, Double or Multiple
 Standard gauge
 Narrow gauge
 International
 State
 Park or Reservation

BOUNDARIES
 International
 State
 County
 Park or Reservation

Landmarks: School, Church, Other - 1 1 1
 Horizontal control point
 Spot elevation in feet
 Marsh or swamp
 Interim or dry stream
 Power line

NATIONAL OCEAN SURVEY THIRTY MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

ORDER CONTROL DATA, SHOWN IN BLACK OR BROWN, BY 30 MINUTE QUADRANGLE UNITS FROM NATIONAL OCEAN SURVEY, NOAA, ROCKVILLE, MARYLAND 20852.

COUNTY DESIGNATIONS

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.

RICHMOND VA, MD (NJ 18-7) MAY 1972

INDEX TO
NUMBERED HORIZONTAL CONTROL STATIONS
 by the
 Coast and Geodetic Survey

KEY NO.	STATION NAME	QUAD NO.	STATION NO.	KEY NO.	STATION NAME	QUAD NO.	STATION NO.
1	MONTPELIER RED CROSS MICROWAVE MAST	37 774	1038	34	AVIATION BEACON WHITE AND RED FLASHES	37 773	1053
2	MONTPELIER U S ARMY RELAY MAST	37 774	1039	35	RICHMCND WASHINGTON AIRWAY BEACN NO 47	37 771	1196
3	ASHLAND NORTH MUNICIPAL WATER TANK	37 771	1160	36	AIRWAY BCN NO 1 LIGHT WHITE FLASHING	37 773	1047
4	ASHLAND SOUTH MUNICIPAL WATER TANK	37 771	1161	37	AIRWAY BCN NO 44 B WHITE REVOLVING LIGHT	37 773	1049
5	ASHLAND RANDOLPH MACON COLLEGE STACK	37 771	1162	38	HIGHLAND SPRING MUNICIPAL WATER TANK	37 771	1163
6	OILVILLE A T AND T RELAY TOWER	37 774	1040	39	SANDSTON MUNICIPAL WATER TANK	37 771	1200
7	RICHMOND RADIO STATION WLEE MAST	37 774	1042	40	SANDSTON OLD DUPONT PLANT BLACK WATER TANK	37 771	1201
8	VIRGINIA STATE POLICE HEADQUARTERS RAD MAST	37 774	1044	40	SANDSTON OLD DUPONT PLANT WHITE STACK	37 771	1202
9	RICHMOND ST JOSEPHS VILLA STACK	37 771	1190	41	RICHMCND JEFFERSON HOTEL NORTHWEST CUPOLA	37 771	1179
10	RICHMOND RADIO STA W R N L FM TALLEST MAST	37 771	1187	41	RICHMCND JEFFERSON HOTEL SOUTHEAST CUPOLA	37 771	1180
10	RICHMOND W R N L NORTHWEST RADIO TOWER	37 771	1198	42	RICHMOND BELLE ISLE WRNL MARCONI RAD MAST	37 771	1170
10	RICHMOND W R N L SOUTHEAST RADIO TOWER	37 771	1199	43	RICHMCND R E BYRD AIRPORT CENTER TOWER	37 772	1217
11	RICHMOND BROCKS ROAD MUNICIPAL WATER TANK	37 771	1172	43	RICHMCND R E BYRD AIRPORT NE TOWER	37 772	1218
12	COUNTRY CLUB OF VIRGINIA WATER TANK	37 774	1034	43	RICHMCND R E BYRD AIRPORT NW TOWER	37 772	1219
13	SEMINARY ECC	37 771	1127	43	RICHMCND R E BYRD AIRPORT SE TOWER	37 772	1220
13	SEMINARY CITY OF RICHMOND	37 771	1128	43	RICHMCND R E BYRD AIRPORT SW TOWER	37 772	1221
14	RICHMOND AMERICAN PAPER CO WATER TANK	37 771	1168	44	METROPOLIS	37 771	1083
15	BYRON ECC	37 771	1020	45	MASONIC WATER TANK CITY OF RICHMCND	37 771	1167
15	BYRON CITY OF RICHMOND	37 771	1021	45	RICHMCND MASONIC ORPHANAGE STEEL WATER TANK	37 771	1184
16	RICHMOND TV STATION W T V R MAST	37 771	1192	45	RICHMCND MASONIC ORPHANAGE WOODEN WATER TANK	37 771	1185
17	RICHMOND WAR MEMORIAL MONUMENT	37 771	1195	46	BRADY	37 772	1011
18	RICHMOND SOUTHERN BISCUIT CO WATER TANK	37 771	1189	47	HAXALL	37 772	1055
19	RICHMOND BARTON HEIGHTS BAPTIST CH SPIRE	37 771	1169	48	PETERSBURG CENTRAL STATE HOSPITAL STACK	37 772	1204
20	NAVAL	37 771	1091	48	CENTRAL STA HOSP SUPERSTRUCTURE BLACK TANK	37 772	1158
21	INMAN	37 771	1073	48	PETERSBURG CENTRAL STATE HOSP EAST TANK	37 772	1201
22	RICHMOND U S TOBACCO CO ELEVATED TANK	37 771	1193	48	PETERSBURG CENTRAL STATE HOSP WEST TANK	37 772	1202
22	RICHMOND U S TOBACCO CO STACK	37 771	1194	48	PETERSBURG CENTRAL STATE HOSP TALLER TANK	37 772	1203
23	DANIELS CHESTERFIELD CO	37 772	1033	49	PETERSBURG TRAINING SCHOOL AND HOSP TANK	37 772	1207
24	EXPERIMENT	37 772	1043	50	PETERSBURG COURTHOUSE TOWER	37 772	1206
25	AMPT	37 772	1003	51	PETERSBURG WALNUT HILL MUNICIPAL WATER TANK	37 772	1208
26	TERMINAL	37 772	1119	52	LEE PARK	37 772	1078
27	RICHMCND ARMY QUARTERMASTER CORPS N TANK	37 772	1211	53	CRATER	37 772	1029
27	ELEVATED GRAY WATER TANK NO 2 CUPOLA	37 772	1170	54	PETERSBURG CITY WATER SUPPLY TANK	37 772	1205
27	SMALL RED STACK NEAR NORTHERLY GRAY TANK 2	37 772	1227	55	AIRWAY BCN NO 46 RED AND WHITE LIGHTS	37 772	1147
28	KINGSLAND	37 772	1075	56	ROXBURY A T AND T RELAY TOWER	37 772	1222
29	SHELL OIL CO RED BRICK STACK	37 772	1223	57	LOWER HENRICO LOOKOUT TOWER	37 771	1166
30	AIRWAY BEACON NO 53	37 773	1050	58	POCA	37 772	1099
31	DINWIDDIE HIGH SCHOOL DOME	37 773	1057	59	LANE	37 772	1076
32	DINWIDDIE ARMY COMMUN AGENCY INSTALL MAST	37 773	1055	60	DISCUND	37 7634	4009
33	AIRWAY BCN NO 3 WHITE LIGHT RED LIGHT BELOW	37 773	1048	61	TOANO STATE POL MICROWAVE STA KIR 68 MAST	37 7634	4039

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

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

PAGE 2
 QUADS 370761-2-3-4 & 370771-2-3-4
 MD-VA
 LATITUDE 37°00' TO 38°00'
 LONGITUDE 76°00' TO 78°00'
 DIAGRAM NJ 18-7 RICHMOND

KEY NO	STATION NAME	QUAD NO	STATION NO
62	BELL ROCK LIGHTHOUSE	37 7634	4033
63	AMELIA INTERSTATE AIRWAY COMMUNICATION MAST	37 773	1051
64	BELLWOOD REYNOLDS METALS PLANT TANK	37 772	1151
65	RICHMOND BR AND WILLIAMSON TOBACCO CO STACK	37 771	1171
66	SHERWOOD	37 771	1130
67	RICHMOND BRGGS TRANSPORT CO WATER TANK	37 771	1173
68	STEPHENS	37 771	1135
69	RICHMOND WASHINGTON AIRWAY BEACON NO 48 B	37 771	1197
70	BULLOCK	37 7643	3014
70	BULLOCK RM A	37 7643	3014
71	BENCH MARK V 294 USGS	37 7634	4014
72	SHADES	37 7634	4018
72	BENCH MARK U 262	37 7634	4019
73	HALE	37 771	1059
73	HALE 2 RM A	37 771	1059
74	BENCH MARK 171 USGS	37 771	1097
75	RICHMOND WEST BASE	37 772	1104
75	RICHMOND WEST 2	37 772	1105
76	BENCH MARK USGS NEAR STA ST STEVENS	37 771	1134
77	ADDISON 2	37 772	1002
78	AMELIA LOOKOUT TOWER NO 31	37 773	1052
78	BENCH MARK D 242	37 773	1002
79	CHESTERFIELD FIRE LOOKOUT TOWER	37 773	1012
80	AMELIA FIRE LOOKOUT TOWER USGS BM TT9W	37 773	1015
81	POINT B	37 7613	3087
82	WEST END PARK	37 772	1132
82	WEST END PARK WATER TANK	37 772	1133
83	ELKO STATE HOSPITAL TANK	37 772	1172
84	CHESTER	37 772	1022
84	CHESTER 2	37 772	1023
84	CHESTER 3	37 772	1024
85	CAMP LEE ALUMINUM TANK	37 772	1154
86	PETERSBURG BROWN AND WILLIAMS TANK	37 772	1200
87	LETTICK VA STA COLL FOR NEGROES BLACK TANK	37 772	1174
87	LETTICK VIRGINIA HALL FINIAL	37 772	1175
88	DISPUTANTA COLUMBIA PEANUT CO TANK	37 772	1161
89	DANNY	37 771	1031

KEY NO	STATION NAME	QUAD NO	STATION NO
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