



JOHNSON CITY TENN. VA. N. C. KY. (NJ 17-10)

Base prepared by the Army Map Service (AMS), Corps of Engineers, U. S. Army, Washington, D.C., published in 1963 from United States geodetic data, 1947-50, 1952-60, U. S. Geodetic Survey, 1938-47; County Highway Maps, 1938-47. Photometric detail partially revised by photo-stereometric methods. Covered by USGS 7.5' and 15' Topographic Maps. Roads, railroad and aerial navigation data verified by state authorities, 1954.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS

INDEX TO COUNTY BOUNDARIES

PLANE COORDINATE ZONES

**HORIZONTAL CONTROL**

**Coast & Geodetic 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 - Electronic 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

**Geological 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 - Electronic 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**

**Coast & Geodetic Survey**

- First Order
- Second Order
- Third Order

**Geological Survey**

- First Order
- Second Order
- Third Order

**STATE SURVEY CONTROL**

Horizontal or Vertical

Scale 1:250,000

25,000 50,000 75,000 100,000 Feet

25,000 50,000 75,000 100,000 Meters

**TRANSVERSE MERCATOR PROJECTION**  
LOCATION DIAGRAM FOR NJ 17-10

**LEGEND**

ROADS

RAILROADS

BOUNDARIES

LANDMARKS

**COAST AND GEODETIC SURVEY**  
THIRTY MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

ORDER CONTROL DATA IN BLACK BY 30 MINUTE QUADRANGLE UNITS FROM DIRECTOR, COAST AND GEODETIC SURVEY, WASHINGTON, D.C.

**COUNTY DESIGNATIONS**

INDEX TO COUNTY BOUNDARIES

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

**GEOLOGICAL SURVEY**  
FIFTEEN MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

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

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# INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the  
 Coast and Geodetic Survey

PAGE 1  
 QUADS 360821-2-3-48 360831-2-3-4  
 KY-NC-TENN-VA  
 LATITUDE 36° 00' TO 37° 00'  
 LONGITUDE 82° 00' TO 84° 00'  
 DIAGRAM NJ 17-10 JOHNSON CITY

KEY NO	STATION NAME	QUAD NO	STATION NO	KEY NO	STATION NAME	QUAD NO	STATION NO
1	BRISTOL 2	360821	1007	85	BIRD BRANCH LOOKOUT TOWER	360834	1005
2	WYNDALE	360821	1008	34	JENSON AZIMUTH MARK	360834	1017
2	WYNDALE 2	360821	1009	35	KENTUCKY CORNER BELL CO KY CLAIRBORNE TENN	360834	1018
3	MUSICK	360821	1010	36	NO 200 USFS	360834	1022
3	MUSICK 2	360821	1011	37	OCCIDENT USGS	360834	1023
4	BRISTOL RADIO STATION WCYB MAST	360821	1015	38	OLD POPLAR HUB	360834	1025
5	BRISTOL RADIO STATION WFGH CENTER MAST	360821	1016	39	PAINT GAP 2 CLAY KNOX COS	360834	1027
6	AIRWAY BEACON NO 27 1 MILE NE OF BRISTOL	360821	1017	40	PINE MTN	360834	1028
7	BRISTOL RADIO STATION WOPI MAST	360821	1018	40	NO 62 USFS	360834	1028
8	BRISTOL COLUMBIS PULP MILL STACK	360821	1019	40	KENTUCKY RIDGE LOOKOUT TOWER	360834	1028
9	BRISTOL DOOR AND LUMBER COMPANY WATER TANK	360821	1020	41	PINEVILLE	360834	1029
10	SMATHERS	360822	1002	42	PINEVILLE AZIMUTH MARK	360834	1030
11	ELIZABETHTON	360822	1004	43	PINNACLE BELL CO KY LEE CO VA	360834	1032
12	BUFFALO HIGH POINT FIRE LOOKOUT TOWER	360822	1011	43	PINNACLE USGS BELL CO KY LEE CO VA	360934	1033
13	AIRWAY BEACON NO 23 4 MI SW OF FALL BRANCH	360823	1031	43	PINNACLE 2 BELL CO KY LEE CO VA	360834	1034
13	CHIMNEY MT LOOKOUT TOWER	360823	1005	44	GATLIFF LOOKOUT TOWER	360834	1036
14	AIRWAY BEACON	360823	1014	45	VIRGINIA CORNER	360834	1040
14	HIGH SPUR GREENE HAWKINS COS	360823	1009	45	VIRGINIA CORNER 2 KY TENN VA	360834	1041
15	GREENVILLE HIGHER OF TWO STANDPIPES	360823	1016	46	PINEVILLE WATER CO WATER TANK	360834	1043
15	GREENVILLE MUNICIPAL WATER TANK	360823	1032	47	RICHLAND COAL CO WATER TANK	360834	1044
16	CHUNKLICK LOOKOUT TOWER	360831	1002	48	LOWLAND STAUFFER SMOKESTACK	360832	1031
17	STUB OF SIGNAL TREE USGS	360831	1005	49	AIRWAY BEACON NO 20 3 MI SW OF WHITESBURG	360832	1030
18	LITTLE BLACK LOOKOUT TOWER	360831	1010	50	LEWIS	360823	1027
19	WHITE ROCK HARLAN CO KY LEE CO VA	360831	1016	51	GIBSON	360823	1029
19	WHITE ROCK LOOKOUT TOWER NO 2 KY VA	360831	1017	52	CLOVER	360821	1025
20	ROGERSVILLE	360832	1008	53	FRENCH	360832	1019
21	HIGH KNOB	360833	1002	54	SEEHORN	360832	1020
22	SHARP TV STATION WATE TOWER	360833	1005	55	UNION	360833	1023
22	KNOXVILLE SHARP RIDGE LOT ET 22	360833	1013	56	DUMPLIN AZIMUTH MARK	360833	1025
22	KNOXVILLE TV STATION WBIR MAST	360833	1014				
23	PLUMMER	360833	1007				
24	LOVE	360833	1010				
25	FURGERSON	360833	1011				
26	CAMP	360833	1012				
27	TS-Q2	360833	1015				
28	TS-R2	360833	1016				
29	TS-M2	360833	1017				
30	KNOXVILLE TV STATION WTVK STUDIO TOWER	360833	1018				
31	KNOXVILLE RADIO STATION WNOX MAST	360833	1019				
32	ARTEMUS AZIMUTH MARK	360834	1002				