



Base prepared by the Army Map Service (ITND), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1958 from United States Quadrangles, 1:62,500 and 1:125,000, U. S. Geological Survey, 1955-1956; Virginia and West Virginia Quadrangles, 1:50,000, Army Map Service, 1937-52. Planimetric detail revised by photogrammetric methods. Control by USGS and USACE. Map first checked 1957. 100,000 FOOT PLANE COORDINATE GRID TICK SYMBOLS

**HORIZONTAL CONTROL**  
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**  
First Order  
Second Order  
Third Order

**STATE SURVEY CONTROL**  
Horizontal or Vertical

**TRANSVERSE MERCATOR PROJECTION LOCATION DIAGRAM FOR NJ 17-8**

37 091 4	37 081 1	37 080 4	37 080 1
37 081 3	37 081 2	37 080 3	37 080 2

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
37 091 4	37 081 1	37 080 4	37 080 1	37 079 4	37 079 1	37 078 4	37 078 1	37 077 4	37 077 1	37 076 4	37 076 1	37 075 4	37 075 1	37 074 4	37 074 1	37 073 4	37 073 1	37 072 4	37 072 1	37 071 4	37 071 1

**GEOLOGICAL SURVEY FIFTEEN MINUTE QUADRANGLE DESIGNATION**

80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

**INDEX TO COUNTY BOUNDARIES**

COUNTY	WEST VIRGINIA	VIRGINIA (Cont.)	WEST VIRGINIA	WEST VIRGINIA
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22

**LEGEND**

**ROADS**  
Hard surface, heavy duty  
Hard surface, medium duty  
Two lanes wide, Federal route marker  
Two lanes wide, State route marker  
Improved light duty  
Unimproved dirt  
Trail

**RAILROADS**  
Standard gauge  
Narrow gauge  
Interurban  
State  
County  
Park or reservation

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

**PLANE COORDINATE ZONES**  
WEST VIRGINIA SOUTH  
VIRGINIA SOUTH  
WEST VIRGINIA NORTH  
VIRGINIA NORTH  
KENTUCKY SOUTH  
KENTUCKY NORTH

**ORDER CONTROL DATA, SHOWN IN BLACK, BY 30 MINUTE QUADRANGLE UNITS FROM COAST & GEODETIC SURVEY, ESSA, ROCKVILLE, MARYLAND, 20852.**

**ORDER CONTROL DATA, SHOWN IN RED, BY 15 MINUTE QUADRANGLE UNITS FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242.**

**BLUEFIELD, WEST VIRGINIA, VIRGINIA, KENTUCKY (NJ 17-8)**  
SEPTEMBER 1966

U. S. DEPT. OF COMMERCE  
 COAST AND GEODETIC SURVEY  
 WASHINGTON, D. C.  
 FORM - 6471 (1-63)  
 DATE DECEMBER 1968

# INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the  
 Coast and Geodetic Survey

QUADS 370801-2-3-4 & 370811-2-3-4  
 W VA. - VA - KY  
 LATITUDE 37°00' TO 38°00'  
 LONGITUDE 80°00' TO 82°00'  
 DIAGRAM NJ 17-8 BLUEFIELD

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.	KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
1	SALEM VALLEYDALE PACKING CO STACK			26	SALEM FIRST METHODIST CHURCH SPIRE		
1	SALEM VALLEYDALE PACKING CO WATER SPHERE			27	MORRIS KNOB (USGS)		
2	ROANOKE WASHINGTON HEIGHTS MUNICIPAL WATER TANK			27	MORRIS KNOB FIRE TOWER		
3	SALEM RADIO STATION WSL9 E MAST			28	ONEIDA RM 3		
3	SALEM RADIO STATION WSL5 W MAST			28	EAST RIVER MTN LOT		
4	AIRWAY BEACON 38 2 MILES N OF ELLISTON			29	POOR MTN TV STATION WDBJ S MAST		
5	379 MILE BLINKER 4 MILES E OF BLACKSBURG			30	POOR MTN TV STATION WSL5 MAST		
6	CHRISTIANBURG RADIO STATION WBCR MAST			31	BLAIR W VA STATE CONSERVATION COMMISSION RADIO-TELEPHONE MAST		
7	PEAK MTN			32	COAL RIVER MTN LONG FLAT		
7	PEAKS KNOB LOT			33	PULASKI RADIO STATION WPUV MAST		
8	DUBLIN FINISHING CO WATER TANK			34	FLAT TOP (MTN 23)		
9	DUBLIN RADFORD ARSENAL WATER TANK						
10	AIRWAY BEACON 34 2 MILES NW OF PULASKI						
11	MINGO (USGS) (1933)						
11	MINGO (USGS) (1957)						
12	LOGAN RADIO STATION WLOG TOWER						
12	LOGAN RADIO STATION WVOW NW TOWER						
12	LOGAN RADIO STATION WVOW NE TOWER						
12	LOGAN RADIO STATION WVOW SW TOWER						
12	LOGAN RADIO STATION WVOW SE TOWER						
13	ATHENS 2						
13	ATHENS CONCORD COLLEGE WATER TANK						
14	MON 0 (WVAGS)						
14	MON 1 (WVAGS)						
15	CHESTNUT MTN FIRE TOWER (CHESTNUT USGS)						
16	TOWNSEND MTN						
17	BIG WALKER MTN VIRGINIA FOREST SERVICE RADIO MAST						
18	BLUEFIELD TV STATION WHIS MAST						
19	BLUEFIELD RADIO STATION WKOY MAST						
20	SHANNON AZI MK						
21	HUFF KNOB RADIO STATION WJLS FM MAST						
21	HUFF KNOB LOT						
21	HUFF KNOB (USGS)						
22	BECKLEY RADIO STATION WJLS E MAST						
22	BECKLEY RADIO STATION WJLS W MAST						
23	OAK HILL RADIO STATION WOAY MAST						
24	BUTT RM 1 (BUTT MTN LOT 59)						
25	BLACKSBURG BAPTIST CHURCH SPIRE						
25	BLACKSBURG YPI POWER PLANT STACK						
26	SALEM MUNICIPAL WATER TANK						