



Base prepared by the Army Map Service (RMDS), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1955 from United States Coast and Geodetic Survey, 1:62,500, U.S. Geological Survey, 1:90,000-45. Plans metric detail revised by photogrammetric methods. Control by USGS and USGS/USGS. Maps have checked 1957.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS  
 — WEST VIRGINIA SOUTH — WEST VIRGINIA NORTH  
 — OHIO SOUTH

INDEX TO COUNTY BOUNDARIES  
 80° County designations for county identification

PLANE COORDINATE ZONES  
 WEST VIRGINIA SOUTH WEST VIRGINIA NORTH  
 OHIO SOUTH

**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
- Thioloite Traverse - Electronic Distance
- Transit Traverse - Taped Distance Third Order
- Transit Traverse and Leveling Third Order

**Geological Survey**

- First Order
- Second Order
- Third Order

**STATE SURVEY CONTROL**

- Horizontal or Vertical

**VERTICAL CONTROL**

**Coast & Geodetic Survey**

- First Order
- Second Order
- Third Order

**Geological Survey**

- First Order
- Second Order
- Third Order

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

**SECTIONIZED TOWNSHIP**

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

**TRANSVERSE MERCATOR PROJECTION**

TOWNSHIP OR RANGE LINE  
 LAND GRANT BOUNDARY

**LEGEND**  
 ROAD DATA 1957

**RAILROADS**

- Standard gauge
- Narrow gauge
- International
- State
- County
- Park or reservation

**LANDMARKS**: School; Church; Other

**BOUNDARIES**: Spot elevation in feet

**Marsh or swamp**

**Intermittent or dry stream**

**Power line**

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

INDEX TO COUNTY BOUNDARIES

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99

**LOCATION DIAGRAM FOR NJ 17-5**

**COUNTY DESIGNATIONS**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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**INDEX TO COUNTY BOUNDARIES**

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

**ORDER CONTROL DATA SHOWN IN RED, BY 15 MINUTE QUADRANGLE UNITS FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON, D.C. 20542.**

USCOMM - NOAA - DC A-582

CHARLESTON WEST VIRGINIA, OHIO (NJ 17-5) JANUARY 1957

U. S. DEPT. OF COMMERCE  
 COAST AND GEODETIC SURVEY  
 WASHINGTON, D. C.  
 FORM - 6471 (1-65)  
 DATE MAR 1968

# INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the  
 Coast and Geodetic Survey

QUADS 380801-2-3-4 & 380811-2-3-4  
 W VA  
 LATITUDE 38°00' TO 39°00'  
 LONGITUDE 80°00' TO 82°00'  
 DIAGRAM NJ 17-5 CHARLESTON

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
1	BUCKHANNON MAGNETIC STATION NORTH MERIDIAN	3808010	1001
1	BUCKHANNON MAGNETIC STATION SOUTH MERIDIAN	3808010	1001
2	BUCKHANNON MAIN STREET GRADE SCHOOL TOWER	3808010	1003
2	BUCKHANNON FIRST METH PROTESTANT CH SPIRE	3808010	1002
3	BUCKHANNON COUNTY COURTHOUSE DOME	3808010	1005
4	BUCKHANNON SNODGRASS HIGH SCHOOL CUPOLA	3808010	1004
5	BUCKHANNON ST JOSEPHS HOSPITAL SPIRE	3808010	1006
6	CINCINNATI WASHINGTON AIRWAY BEACON 18	3808110	1019
7	MAYSEL UNITED NATURAL GAS CO RADIO MAST	3808110	1018
8	SPENCER MONUGAHELA W PA PUB SER STACK	3808110	1021
9	SPENCER MUNICIPAL WATER TANK	3808110	1020
10	CLENDENIN UNITED GAS CO RADIO MAST	3808120	1010
11	CINCINNATI WASHINGTON AIRWAY BEACON 17	3808120	1024
12	ST ALBANS TV STATION WCHS TOWER	3808130	1004
13	SAINT ALBANS EAST BASE	3808130	1015
14	DUNBAR	3808130	1024
14	DUNBAR MUNICIPAL STANDPIPE	3808130	1025
15	NAVY	3808130	1026
15	NO 6 W VA GEOD S	3808130	1026
16	MOUND	3808130	1028
17	BOULEVARD	3808130	1030
18	FORT	3808130	1032
18	FORT SCAMMON	3808130	1031
19	CHARLESTON MAGNETIC	3808130	1034
19	CHARLESTON COLORED BAPTIST CHURCH	3808130	1063
19	CHARLESTON FIRST BAPTIST CHURCH SPIRE	3808130	1069
19	CHARLESTON OLD CAPITOL TOP OF BELFRY	3808130	1066
20	ELKAN	3808130	1035
20	CHARLESTON NORTH METHODIST CHURCH SPIRE	3808130	1067
21	FERGUSON	3808130	1036
21	BLAIR	3808130	1037
21	CHARLESTON CATHOLIC CHURCH	3808130	1062
21	CHARLESTON SOUTH HILLS MUNICIPAL WATER TANK	3808130	1070
22	RIVER	3808130	1042
22	NO 103 W VA GEOD S	3808130	1043
23	CAPITOL	3808130	1044
23	CHARLESTON STATE CAPITOL DOME	3808130	1045
24	STATE	3808130	1046
25	SOUTH CHARLESTON STATE POLICE RADIO MAST	3808130	1059
26	SOUTH CHARLESTON KANAWHA CNTRY CLUB TANK	3808130	1058

KEY NO.	STATION NAME	QUAD NO.	STATION NO.
27	SC CHARLESTON C AND C CHEM CORP STACK	3808130	1061
27	SOUTH CHARLESTON USN ORD PLANT TANK	3808130	1060
28	CHARLESTON SOUTH METHODIST CHURCH	3808130	1065
28	CHARLESTON SECOND PRESBYTERIAN CHURCH	3808130	1064
28	CHARLESTON COURTHOUSE SPIRE	3808130	1068
28	CHARLESTON DANIEL BOONE HOTEL WATER TANK	3808130	1075
28	CHARLESTON CITY POLICE RADIO MAST	3808130	1074
29	CHARLESTON LOUDEN HEIGHTS MUN WATER TANK	3808130	1071
30	WEST VA STATE COLLEGE FOR COLORED TANK	3808130	1077
31	CINCINNATI WASHINGTON AIRWAY BEACON 14	3808130	1076
32	WEBSTER SPRINGS AMER TEL + TEL MICRO TOWER	3808010	1039