



Base prepared by the Army Map Service (RMPV) Corps of Engineers, U. S. Army, Washington, D. C. Completed in 1955 from United States Quadrangles, 1:62,500, U. S. Geological Survey, 1925-45. Planimetric detail revised by photogrammetric methods. Road, railroad and aeromagnetic data verified by State authorities. Control by USGS, and USCG&S. Map field checked 1956.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS

- WEST VIRGINIA NORTH - OHIO SOUTH
- PENNSYLVANIA SOUTH - WEST VIRGINIA SOUTH

INDEX TO COUNTY BOUNDARIES

PLANE COORDINATE ZONES

- WEST VIRGINIA NORTH
- OHIO SOUTH
- PENNSYLVANIA SOUTH
- WEST VIRGINIA 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
- 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

**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
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

**TRANSVERSE MERCATOR PROJECTION**

TOWNSHIP OR RANGE LINE

LAND GRANT BOUNDARY

**LEGEND**

ROAD DATA 1956

RAILROADS

- Standard gauge - Single track, Double or Multiple
- Narrow gauge - Single track, Double or Multiple
- Spot elevation in feet
- Horizontal control point
- Landmarks: School, Church, Other
- Marsh or swamp
- Intermittent or dry stream
- Power line

**BOUNDARIES**

- International
- State
- County
- Park or reservation

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

INDEX TO COUNTY BOUNDARIES

39 081 4	39 081 1	39 080 4	39 080 1
39 081 3	39 081 2	39 080 3	39 080 2

**COUNTY DESIGNATIONS**

1	Montgomery	17	Calhoun
2	Morris	18	Gilmer
3	Albemarle	19	Dodderidge
4	Meigs	20	Wayne
5	Mason	21	Marshall
6	Jackson	22	Washington
7	Wirt	23	Fayette
8	Wood	24	Greene
9	Washington	25	Monongalia
10	North	26	Harper
11	Summers	27	Harrison
12	Miner	28	Levin
13	Boone	29	Upshur
14	Lin	30	Berkeley
15	Pleasants	31	Putnam
16	Rockwell	32	Waynesburg

**INDEX TO COUNTY BOUNDARIES**

1	11	12	13	14	15	16	17	18	19	20	21	22	23
2	21	22	23	24	25	26	27	28	29	30	31	32	33
3	31	32	33	34	35	36	37	38	39	40	41	42	43
4	41	42	43	44	45	46	47	48	49	50	51	52	53

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

**GEOLOGICAL SURVEY**  
 FIFTEEN MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

96	Phelps	133	Marion	54	Clackson
97	Weston	132	Linton	55	Carroll
98	Yells	133	New Martinsville	56	McCormick
99	Harlow	134	New Martinsville	57	Camden
100	Harrison	135	Camden	58	Clackson
101	Elizabeth	136	Clackson	59	Woodford
102	Bellefonte	137	Woodford	60	Summers
103	Keno	138	Summers	61	Clackson
104	Clackson	139	Clackson	62	Clackson
105	Clackson	140	Clackson	63	Clackson
106	Clackson	141	Clackson	64	Clackson
107	Clackson	142	Clackson	65	Clackson
108	Clackson	143	Clackson	66	Clackson
109	Clackson	144	Clackson	67	Clackson
110	Clackson	145	Clackson	68	Clackson
111	Clackson	146	Clackson	69	Clackson
112	Clackson	147	Clackson	70	Clackson
113	Clackson	148	Clackson	71	Clackson
114	Clackson	149	Clackson	72	Clackson
115	Clackson	150	Clackson	73	Clackson
116	Clackson	151	Clackson	74	Clackson
117	Clackson	152	Clackson	75	Clackson
118	Clackson	153	Clackson	76	Clackson
119	Clackson	154	Clackson	77	Clackson
120	Clackson	155	Clackson	78	Clackson
121	Clackson	156	Clackson	79	Clackson
122	Clackson	157	Clackson	80	Clackson
123	Clackson	158	Clackson	81	Clackson
124	Clackson	159	Clackson	82	Clackson
125	Clackson	160	Clackson	83	Clackson

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

U. S. DEPT. OF COMMERCE  
 COAST AND GEODETIC SURVEY  
 WASHINGTON, D. C.  
 FORM - 6471 (1-63)  
 DATE : DECEMBER 1969

# INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the  
 Coast and Geodetic Survey

QUADS 390801-2-3-4 390811-2-3-4  
 W VA-OHIO-PA  
 LATITUDE 39° 00' TO 40° 00'  
 LONGITUDE 80° 00' TO 82° 00'  
 DIAGRAM NJ 17-2 CLARKSBURG

KEY NO	STATION NAME	QUAD NO	STATION NO	KEY NO	STATION NAME	QUAD NO	STATION NO
1	RIVESVILLE, MONONGAHELA PUBLIC SERVICE CO, STACK			23	PARKERSBURG, RADIO STATION WPAR, MAST		
2	BDY MON W VA-PA NEAR THOMAS			24	ZANESVILLE, TV STATION WHIZ, MAST		
3	BDY MON W VA-PA (GARRISON RM 2)			25	ZANE		
4	BDY MON W VA-PA NEAR FORDYCE			25	ZANESVILLE, MUNICIPAL STANDPIPE		
5	WAYNESBURG			26	ZANESVILLE CIVIL DEFENSE CONTROL CENTER, W MAST		
5	WAYNESBURG COLLEGE, CUPOLA			26	ZANESVILLE CIVIL DEFENSE CONTROL CENTER, E MAST		
5	WAYNESBURG, COUNTY COURTHOUSE, DOME			27	ZANESVILLE, ARMCO STEEL CORP, STACK		
5	WAYNESBURG PRESBYTERIAN CHURCH, SPIRE			28	ZANESVILLE, C M LUBURGH TWO-WAY RADIO MAST		
6	WAYNESBURG, MANUFACTURERS HEAT & LIGHT CO, TANK			29	RIGGS KNOB 2 (USGS)		
7	WATSON			29	HANNA COAL CO MARK NEAR RIGGS KNOB 2 (USGS)		
7	2 (WVaGS)			30	SWITZER		
7	1 (WVaGS)			30	SWITZER (USGS)		
8	FAIRMONT			31	STBNVL 1415 (USGS)		
8	FAIRMONT, N MUNICIPAL WATER TANK			32	BELLAIRE		
9	FAIRMONT, RADIO STATION WMMN, NE MAST			32	BELLAIRE, RADIO STATION KQK 94, MAST		
10	CLARKSBURG, IMMACULATE CONCEPTION CATHOLIC CHURCH, BELL TOWER			33	JOHNSON		
11	CLARKSBURG, RADIO STATION WBLK, MAST			33	US LOCK RESERVATION MARK NEAR JOHNSON		
12	CLARKSBURG, METHODIST EPISCOPAL CHURCH, BELL TOWER			34	MARTINSVILLE		
13	TS 60 AUX (WVaGS)			34	NEW MARTINSVILLE, RADIO STATION WETZ, TOWER		
13	TS 61 AUX (WVaGS)			34	NEW MARTINSVILLE, BRIDGE, E OBSTRUCTION LIGHT		
14	BELPRE E BASE			35	HANNIBAL		
14	BELPRE, MUNICIPAL WATER TANK			36	LEGION		
15	FULLERTON			37	KQH 38 (USGS)		
15	BM 308 (USE)			37	CLARINGTON, RADIO STATION KQH 38, TOWER		
16	MULLIGAN			38	MOUNDSVILLE, COUNTY COURT HOUSE, W SPIRE		
16	BM 310 (USE)			39	MOUNDSVILLE, U S STAMPING CO, TANK		
17	NEAL			40	CRESAP, KAMMER POWER CO, W STACK		
17	BM 297 (USE)			40	CRESAP, KAMMER POWER CO, E STACK		
18	MONONGAHELA WEST PENN PUBLIC SERVICE, STACK			41	NEW MARTINSVILLE, VIKING GLASS CO, WATER TANK		
19	LIBBY OWENS FORD GLASS CO, STACK			42	NEW MARTINSVILLE BRIDGE, W OBSTRUCTION LIGHT		
20	PARKERSBURG, RIG & REEL CO, STACK			43	SWITZER, RADIO STATION KQC 369, MAST		
21	PARKERSBURG, POLICE RADIO MAST			44	MOUNDSVILLE, RADIO STATION WMOD, MAST		
21	PARKERSBURG, ST FRANCIS XAVIER CHURCH, DOME			45	NEW MARTINSVILLE, 5 CHANNEL CABLE CO, TOWER		
21	PARKERSBURG, COUNTY COURTHOUSE, TOWER			46	ST JOSEPH CATHOLIC CHURCH, SPIRE		
22	PARKERSBURG, UNIVERSAL GLASS PRODUCTS CO, STACK						

U. S. DEPT. OF COMMERCE  
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 LONGITUDE 80°00' TO 82°00'  
 DIAGRAM NJ 17-2 CLARKSBURG

KEY NO.	STATION NAME	QUAD NO.	STATION NO.	KEY NO.	STATION NAME	QUAD NO.	STATION NO.
47	HANNIBAL, ZION UNITED CHURCH OF CHRIST, SPIRE						
48	WIND RIDGE, PRESBYTERIAN CHURCH, SPIRE						
48	WIND RIDGE, CHRISTIAN CHURCH, SPIRE						
49	NEW MARTINSVILLE, COURTHOUSE, CLOCK- TOWER						
50	LEWISVILLE						
50	LEWISVILLE, USAF RADAR, P43E						
51	BARNESVILLE						
51	BARNESVILLE, UNITED DAIRY CO, STACK						
51	BARNESVILLE, MUNICIPAL STANDPIPE						
52	WOODSFIELD, ST PAULS EV & REFORMED CHURCH SPIRE						
52	WOODSFIELD COURTHOUSE, DOME						
53	BUCK HILL BOTTOM, ORMET ALUMINUM CO, STACK						
53	BUCK HILL BOTTOM, ORMET ALUMINUM CO, WATER TANK						
54	BUCK KNOB						
54	POLLOCK (USGS)						
55	SHERRARD (USGS)						
55	SHERRARD, MUNICIPAL STANDPIPE						