



**HORIZONTAL CONTROL**

**Coast & Geodetic Survey**

- Monumented Point - First Order
- Monumented Point - Second Order
- Monumented Point - Third Order
- Local Object - Third Order
- See separate index for names of monumented 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
- Thaodolite 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
- Local Object - Third Order
- See separate index for names of monumented 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
- Thaodolite Traverse - Electronic Distance
- Transit Traverse - Taped Distance - Third Order
- Transit Traverse and Leveling - Third Order

**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

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

**LOCATION DIAGRAM FOR NJ 16-7**

**INDEX TO COUNTY BOUNDARIES**

37 089 4	37 089 1	37 089 2	37 089 3	37 089 4	37 089 5
37 089 6	37 089 7	37 089 8	37 089 9	37 089 10	37 089 11
37 089 12	37 089 13	37 089 14	37 089 15	37 089 16	37 089 17
37 089 18	37 089 19	37 089 20	37 089 21	37 089 22	37 089 23
37 089 24	37 089 25	37 089 26	37 089 27	37 089 28	37 089 29
37 089 30	37 089 31	37 089 32	37 089 33	37 089 34	37 089 35
37 089 36	37 089 37	37 089 38	37 089 39	37 089 40	37 089 41
37 089 42	37 089 43	37 089 44	37 089 45	37 089 46	37 089 47
37 089 48	37 089 49	37 089 50	37 089 51	37 089 52	37 089 53
37 089 54	37 089 55	37 089 56	37 089 57	37 089 58	37 089 59
37 089 60	37 089 61	37 089 62	37 089 63	37 089 64	37 089 65
37 089 66	37 089 67	37 089 68	37 089 69	37 089 70	37 089 71
37 089 72	37 089 73	37 089 74	37 089 75	37 089 76	37 089 77
37 089 78	37 089 79	37 089 80	37 089 81	37 089 82	37 089 83
37 089 84	37 089 85	37 089 86	37 089 87	37 089 88	37 089 89
37 089 90	37 089 91	37 089 92	37 089 93	37 089 94	37 089 95
37 089 96	37 089 97	37 089 98	37 089 99	37 089 100	37 089 101

**LEGEND**

**RAILROADS**

- Single Track
- Double or Multiple Track
- Standard gauge
- Narrow gauge
- Interlocking
- State
- County
- Park or reservation

**BOUNDARIES**

- International
- State
- County
- Park or reservation

**LANDMARKS**

- School
- Church
- Other
- 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**

**GEOLOGICAL SURVEY**

**FIFTEEN MINUTE QUADRANGLE DESIGNATION**

**INDEX TO COUNTY BOUNDARIES**

**ORDER CONTROL DATA IN BLACK**  
BY 30 MINUTE QUADRANGLE UNITS  
FROM DIRECTOR, COAST AND GEO-  
DETSURVEY, WASHINGTON 25, D. C.

**ORDER CONTROL DATA IN RED**  
BY 15 MINUTE QUADRANGLE UNITS  
FROM DIRECTOR, GEOLOGICAL  
SURVEY, WASHINGTON 25, D. C.

PADUCAH, KY.; ILL.; MO.; IND.  
(N) 16-7  
JULY 1965  
REPRINT

UNITED STATES DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

5-176

# INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the  
 Coast and Geodetic Survey

QUADS 370881-2-3-4 & 370891-2-3-4  
 ILL-KY-MO  
 LATITUDE 37°00' TO 38°00'  
 LONGITUDE 88°00' TO 90°00'  
 DIAGRAM NJ 16-7 PADUCAH

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
1	CAVE IN ROCK MUNICIPAL WATER TANK		
2	MARION MUNICIPAL WATER TANK		
3	MARION RADIO STATION KIR 912 MAST		
4	BROOKPORT MUNICIPAL WATER TANK		
5	METROPOLIS BENDING CO STACK (1930) (lost)		
6	METROPOLIS MUNICIPAL WATER TANK		
7	PADUCAH CHURCH SPIRE PADUCAH HIGH CHURCH SPIRE		
8	PADUCAH ICRR SHOPS E STACK PADUCAH ICRR SHOPS W STACK		
9	FOUNTAIN BLUFF (MRC)		
10	CARBONDALE STATE TEACHERS COLLEGE SPIRE CARBONDALE STATE TEACHERS COLLEGE WATER TANK		
11	MURPHYSBORO MURPHYSBORO WATER TANK		
12	BARLOW WATER TANK		
13	ANNA CLOCK TOWER		
14	ANNA SILVER WATER TANK (1930) ANNA MUNICIPAL WATER TANK (1957)		
15	ANNA STATE HOSPITAL STACK ANNA STATE HOSPITAL WATER TANK		
16	CAIRO BRUCE LUMBER CO WATER TANK		
17	CAIRO CATHOLIC CHURCH SPIRE		
18	CAIRO SINGER SEWING MACHINE CO STACK		
19	CAIRO WATER SUPPLY WATER TANK		
20	MOUNDS HIGH BRICK STACK		
21	TRANSMISSION TOWER E STACK OHIO RIVER		
22	TRANSMISSION TOWER W STACK OHIO RIVER		
23	CAPE GIRARDEAU GAS PLANT CONCRETE STACK SE MISSOURI STATE TEACHERS COLLEGE ADMINISTRATION BLDG DOME		

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
24	CAPE GIRARDEAU TALLEST OF 3 RADIO TOWERS		
25	LEOPOLD CATHOLIC CHURCH SPIRE		
26	KASKASKIA (USE) KASKASKIA (MRC)		
27	CHESTER CATHOLIC CHURCH SPIRE CHESTER INTERNATIONAL SHOE CO WATER TOWER CHESTER MUNICIPAL WATER TOWER		
28	MEMPHIS-ST LOUIS AIRWAY BEACON NO 53		
29	MEMPHIS-ST LOUIS AIRWAY BEACON NO 54		
30	PERRYVILLE INTERNATIONAL SHOE CO WATER TOWER		
31	PERRYVILLE MUNICIPAL WATER TOWER		
32	PERRYVILLE ST MARYS SEMINARY WATER TANK		
33	SHAWNEETOWN HILLS TV STATION WTYW RELAY TOWER		
34	HEROD RADIO STATION KSD 268 MAST WILLIAMS HILL LOT		
35	PT 19 (USGS)		
36	HARRISBURG RADIO STATION WEBQ MAST HARRISBURG TV STATION WSIL MAST HARRISBURG MUNICIPAL WATER TANK HARRISBURG COUNTY COURTHOUSE CLOCK TOWER		
37	FAIR		
38	SALEM CUMBERLAND PRESBYTERIAN CHURCH SPIRE		
39	PADUCAH RADIO STATION WPAD MAST		
40	PADUCAH RADIO STATION WKYB MAST NO 3 PADUCAH RADIO STATION WKYB MAST NO 2		
41	PADUCAH MUNICIPAL STANDPIPE PADUCAH RADIO STATION KIB 337 MAST		
42	METROPOLIS RADIO STATION WMOK MAST		
43	METROPOLIS BENDING CO STACK (1957)		
44	SHAWNEE TVA STREAM PLANT E STACK SHAWNEE TVA STREAM PLANT W STACK		
45	JOPPA STREAM ELECTRIC STATION NE HIGHLINE TOWER		

# INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the  
 Coast and Geodetic Survey

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
46	JOPPA STREAM ELECTRIC STATION SE HIGHLINE TOWER		
47	JOPPA STREAM ELECTRIC STATION SW HIGHLINE TOWER		
48	JOPPA STREAM ELECTRIC STATION NW HIGHLINE TOWER		
49	JOPPA STREAM ELECTRIC STATION CENTER STACK		
50	JOPPA RADIO STATION KSB 782 MAST		
51	PADUCAH TV STATION WPSD MAST		
52	JOPPA MUNICIPAL WATER TANK		
53	BENTON ZION EVANGELICAL CHURCH SPIRE		
54	SHAWNEETOWN BRIDGE OBSTRUCTION LIGHT		
55	EQUALITY MUNICIPAL WATER LIGHT		
56	RIDGEWAY ST JOSEPH CATHOLIC CHURCH SPIRE		
57	RIDGEWAY MUNICIPAL WATER TANK		
58	NORRIS CITY MUNICIPAL WATER TANK		
59	NORRIS CITY RADIO STATION KSB 948 MAST		
60	ELDORADO TOWNSHIP HIGH SCHOOL VENTILATOR		
61	ELDORADO MUNICIPAL WATER TANK		
62	WASSON HOWARD JAMES TRACTOR & IMPLEMENT CO NE STACK		
63	AIRPORT BEACON HARRISBURG-RALEIGH AIRPORT		
64	GALATIA MUNICIPAL WATER TANK		
65	CARRIER MILLS MUNICIPAL WATER TANK		
66	COBREN RADIO STATION KSE 93 MAST		
67	ANNA RADIO STATION WRAJ MAST		
68	ALTO PASS RADIO STATION KSE 521 & KSE 55 MAST		
69	SPRING GROVE TV RELAY MAST		
70	MARION MUNICIPAL WATER TANK		
71	BENTON MUNICIPAL WATER TANK		
72	W FRANKFORT MUNICIPAL WATER TANK		

KEY NO.	STATION NAME	QUAD NO.	STATION NO.
73	CREAL SPRINGS TV STATION WSIL MAST		
74	MARION RADIO STATION WGQH N MAST		
75	MARION GENERAL TELEPHONE SYSTEM MICROWAVE TOWER MARION COUNTY COURTHOUSE CLOCK TOWER		
76	MARION VA HOSPITAL WATER TANK		
77	MARION RADIO STATION KSE 54 E MAST		
78	CRAB ORCHARD GAME REFUGE NO 3 WATER TANK		
79	W FRANKFORT RADIO STATION WFRX MAST		
80	W FRANKFORT RADIO STATION KSE 521 TOWER		
81	W FRANKFORT ORIENT COAL CO WATER TANK		
82	CRAB ORCHARD GAME REFUGE NO 4 WATER TANK		
83	CRAB ORCHARD GAME REFUGE NO 1 WATER TANK		
84	CARTERVILLE MUNICIPAL WATER TANK		
85	HERRIN MUNICIPAL WATER TANK		
86	CARBONDALE RADIO STATION WCIL MAST		
87	CRAB ORCHARD GAME REFUGE NO 2 WATER TANK		
88	CARBONDALE RADIO STATION WSIU-FM TOWER		
89	WETAUG		
90	CAIRO RADIO STATION WKRO MAST		
91	MOUNDS MUNICIPAL WATER TANK		
92	SIU SIU AZIMUTH MARK 1 SIU AZIMUTH MARK 2		
93	WATER VALLEY LOT		
94	AIRPORT BEACON WILLIAMSON COUNTY AIRPORT		
95	CHRISTOPHER MUNICIPAL WATER TANK		
96	COELLO CONCRETE CASTING CO STACK		
97	BUCKNER OLD BEN COAL CO STACK		
98	DU QUOIN RADIO STATION KSB 234 MAST		