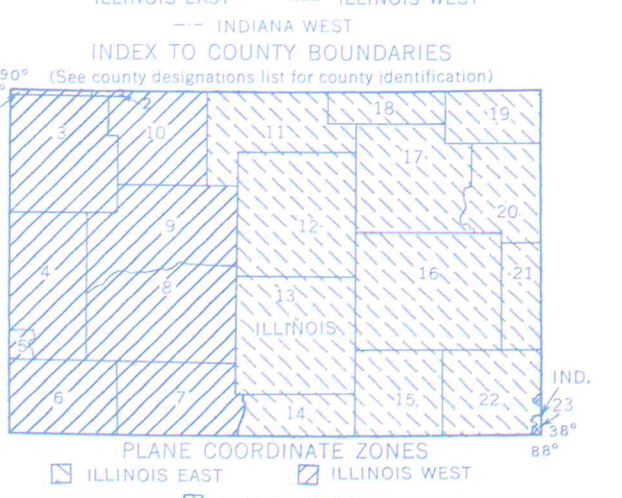


Base prepared by the Army Map Service (KCSG), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1954 by photogrammetric methods and from United States Quadrangles, 1:24,000, 1:25,000, 1:50,000, 1:62,500, AMS, and U. S. Geological Survey, 1912-57. Planimetric detail derived by photogrammetric methods. Horizontal and vertical control by USCGS, USGS, and CG. Map first checked, 1958.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS  
— ILLINOIS EAST — ILLINOIS WEST

INDEX TO COUNTY BOUNDARIES  
(See county designations for county identification)



**HORIZONTAL CONTROL**

Coast & Geodetic Survey  
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  
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
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 1958**

ROADS  
Hard surface, heavy duty  
Two lanes wide, Federal route marker  
Hard surface, medium duty  
More than two lanes wide  
Two lanes wide, State route marker  
Improved light-duty  
Unimproved dirt  
Trail

RAILROADS  
3.5 METER & LARGER  
NARROW GAUGE  
STANDARD GAUGE  
NARROW GAUGE  
STANDARD GAUGE

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

3	10	11	18	19
38 089 4	38 089 1	38 089 4	38 089 1	
38 089 3	38 089 2	38 089 3	38 089 2	
38 089 3	38 089 2	38 089 3	38 089 2	
6	7	14	15	22

**LOCATION DIAGRAM FOR NJ 16-4**

INDIANA  
NJ 15.3  
NJ 16.1  
NJ 16.2  
NJ 16.4  
NJ 16.5  
NJ 16.6  
NJ 16.7  
NJ 16.8  
MISSOURI  
KENTUCKY

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

INDEX TO COUNTY BOUNDARIES

3	10	11	18	19
38 089 4	38 089 1	38 089 4	38 089 1	
38 089 3	38 089 2	38 089 3	38 089 2	
38 089 3	38 089 2	38 089 3	38 089 2	
6	7	14	15	22

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

**GEOLOGICAL SURVEY  
FIFTEEN MINUTE QUADRANGLE DESIGNATION**

INDEX TO COUNTY BOUNDARIES

3	10	11	18	19
38 089 4	38 089 1	38 089 4	38 089 1	
38 089 3	38 089 2	38 089 3	38 089 2	
38 089 3	38 089 2	38 089 3	38 089 2	
6	7	14	15	22

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

**INDEX TO COUNTY BOUNDARIES**

38 089 4	38 089 1	38 089 4	38 089 1	
38 089 3	38 089 2	38 089 3	38 089 2	
38 089 3	38 089 2	38 089 3	38 089 2	
6	7	14	15	22

**INDEX TO COUNTY BOUNDARIES**

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38 089 3	38 089 2	38 089 3	38 089 2	
38 089 3	38 089 2	38 089 3	38 089 2	
6	7	14	15	22

**INDEX TO COUNTY BOUNDARIES**

38 089 4	38 089 1	38 089 4	38 089 1	
38 089 3	38 089 2	38 089 3	38 089 2	
38 089 3	38 089 2	38 089 3	38 089 2	
6	7	14	15	22



# INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the  
 Coast and Geodetic Survey

PAGE 1  
 QUADS 380881-2-3-4 & 380891-2-3-4  
 ILLINOIS  
 LATITUDE 38°00' TO 39°00'  
 LONGITUDE 88°00' TO 90°00'  
 DIAGRAM NJ 16-4 BELLEVILLE

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
1	BELLEVILLE TALL BLDG AIR BEACON		
2	CARLYLE CATHOLIC CHURCH SPIRE		
3	CARLYLE E MUNICIPAL WATER TANK		
4	CARLYLE US ARMY ENG RADIO ANTENNA		
5	CARLYLE W MUNICIPAL WATER TANK		
6	CHURCH SPIRE EAST PART OF BELLEVILLE		
7	COLLINSVILLE BAPTIST CHURCH SPIRE COLLINSVILLE MUNICIPAL TANK		
8	COLLINSVILLE ST LOUIS S & R CO SHORT STACK COLLINSVILLE ST LOUIS S & R CO TALL STACK		
9	COLLINSVILLE ST PETER & ST PAUL CATHOLIC CHURCH STEEPLE		
10	DAMIANSVILLE CHURCH SPIRE		
11	DUNDAS BAPTIST CHURCH TOWER		
12	SHILOH RM 3 SHILOH CHURCH SPIRE SHILOH MUNICIPAL STANDPIPE		
13	EDWARDSVILLE KETTLE RIVER TREATING CO TANK		
14	EDWARDSVILLE MUNICIPAL STANDPIPE		
15	EDWARDSVILLE MUNICIPAL TANK EDWARDSVILLE N O NELSON MFG CO STACK (lost)		
16	EDWARDSVILLE RICHARDS BRICK CO STACK		
17	FARINA BAPTIST CHURCH (lost)		
18	FARINA MUNICIPAL WATER TANK		
19	FLORA SCHOOLHOUSE SPIRE		
20	FLORA TALL SPIRE FLORA SE MUNICIPAL WATER TANK		
21	GREENVILLE MUNICIPAL WATER TANK		
22	HANOVER CATHOLIC CHURCH SPIRE		
23	HOFFMAN NATURAL GAS PIPELINE CO OF AMERICA MAST		
24	HIGHLAND MUNICIPAL WATER TANK		

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
25	HIGHLAND ELECTRIC CO STACK HIGHLAND HUG TRUCK CO STACK		
26	HIGHLAND SCHOTT BREWING CO STACK		
27	LEBANON COLLEGE CHAPEL SPIRE LEBANON METHODIST CHURCH SPIRE		
28	LEBANON MUNICIPAL TANK		
29	MULBERRY GROVE MUNICIPAL WATER TANK		
30	O FALLON ST CLAIRS CATHOLIC CHURCH STEEPLE		
31	OLNEY E BASE (USLS)		
32	OLNEY EVANGELICAL CHURCH SPIRE OLNEY SCHOOLHOUSE TOWER		
33	PINCKNEYVILLE MUNICIPAL WATER TANK		
34	RED BUD CATHOLIC CHURCH SPIRE		
35	RED BUD LUTHERAN CHURCH SPIRE RED BUD MUNICIPAL WATER TOWER		
36	WALTONVILLE ORIENT MINE NO 3 WATER TANK		
37	ST JACOBS ST JACOBS MUNICIPAL WATER TANK ST JACOBS V & S MILLING CORP GRAIN ELEVATOR CENTER VENT		
38	SCOTT FIELD AIRWAY BEACON (lost) SCOTT FIELD ZEPPELIN HANGAR N CUPOLA (lost) SCOTT FIELD ZEPPELIN HANGAR S CUPOLA (lost)		
39	SCOTT FIELD WATER TANK (lost) SCOTT AFB WATER TANK BEACON		
40	STURGESS RM 3 STURGESS MAGNETIC STATION VANDALIA TEXAS-ILLINOIS NATURAL GAS PIPELINE CO MAST		
41	STACK 2 MILES W OF WEST BASE		
42	STACK ONE HALF MILE W OF WEST BASE (lost)		
43	TRENTON LUTHERAN CHURCH SPIRE		
44	TRENTON WATER TANK		
45	VANDALIA FORD ROOFING PRODUCTS CO WATER TANK VANDALIA RHYTHM STEP SHOE CO WATER TANK		
46	VANDALIA RR WATER TANK		

U. S. DEPT. OF COMMERCE  
 COAST AND GEODETIC SURVEY  
 WASHINGTON, D. C.  
 FORM - 6471 (1-63)  
 DATE JAN 1966

# INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the  
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QUADS 380881-2-3-4 & 380891-2-3-4  
 ILLINOIS  
 LATITUDE 38° 00' TO 39° 00'  
 LONGITUDE 88° 00' TO 90° 00'  
 DIAGRAM NJ 16-4 BELLEVILLE

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
47	CHURCH SPIRE 2 MILES SE OF BERGER WATER TANK 2 MILES SE OF BERGER NEW BADEN MUNICIPAL WATER TANK NEW BADEN ST GEORGES CATHOLIC CHURCH SPIRE		
48	WATER TANK ONE HALF MILE N OF BELLEVILLE		
49	SCHREIBER RM 1 SCHREIBER RM 2 WRIGHT 500		
50	DU QUOIN DU QUOIN RM 3 DU QUOIN MUNICIPAL WATER TANK		
51	NATURAL GAS PIPELINE CO RADIO STATION KSC 52 E MAST		
52	MT VERNON RADIO STATION WMIX MAST		
53	MT VERNON MUNICIPAL WATER TANK MT VERNON ILLINOIS POWER CO MICROWAVE TOWER		
54	BRADEN RADIO STATION KSC 36 MAST		
55	FAIRFIELD RADIO STATION KSD 733 MAST		
56	HOYLETON ZION EVANGELICAL REFORMED CHURCH SPIRE		
57	MT VERNON TRI-COUNTY ELECTRICAL COOP RADIO MAST		
58	LECKRONE		
59	OLNEY RADIO STATION KSF 530 MAST		
60	ILLINOIS GEODETIC SURVEY MARK		
61	HOYLETON TRINITY LUTHERAN CHURCH SPIRE		
62	FAIRFIELD FAIRFIELD COUNTY COURTHOUSE BELFRY		
63	AIRPORT AIRPORT BEACON MT VERNON MUNICIPAL AIRPORT		
64	ILLINOIS BELL TELEPHONE CO RADIO STATION KSJ 57 MAST		
65	OLNEY MUNICIPAL WATER TANK		
66	OLNEY RADIO STATION KSJ 59 MAST		
67	OLNEY RADIO STATION WVLN MAST		
68	CLAY CITY MUNICIPAL WATER TANK		

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
69	CLAY CITY RADIO STATION KSC 370 MAST		
70	LOUISVILLE MUNICIPAL WATER TANK		
71	LOUISVILLE RADIO STATION KSJ 259 MAST		
72	FLORA NW MUNICIPAL WATER TANK		
73	FLORA INTERNATIONAL SHOE CO WATER		
74	W SALEM MORAVIAN CHURCH SPIRE W SALEM MUNICIPAL WATER TANK		
75	MCCLEANSBORO W MUNICIPAL WATER TANK MCCLEANSBORO E MUNICIPAL WATER TANK		
76	JOHNSONVILLE RADIO STATION KSB 781 MAST		
77	FAIRFIELD RADIO STATION WFIW MAST		
78	FAIRFIELD AIRTEX CO WATER TANK		
79	FAIRFIELD RADIO STATION KSA 238 MAST		
80	FAIRFIELD E MUNICIPAL WATER TANK FAIRFIELD W MUNICIPAL WATER TANK FAIRFIELD CITY STACK		
81	CARMI RADIO STATION WROY MAST		
82	CARMI RADIO STATION KSH 644 MAST		
83	MCCLEANSBORO RADIO STATION KSS 692 MAST		
84			
85	MT VERNON RADIO STATION KSE 208 MAST		
86	ASHLEY RADIO STATION KSN 47 MAST		
87	AIRPORT BEACON FAIRFIELD AIRPORT		
88	ENFIELD MUNICIPAL WATER TANK		
89	XENIA MUNICIPAL WATER TANK XENIA RADIO STATION KSC 377 MAST		
90	AIRPORT BEACON SALEM-LECKRONE AIRPORT		
91	SALEM CITY STACK		
92	CENTRALIA ST MARYS CATHOLIC CHURCH SPIRE CENTRALIA MUNICIPAL WATER TANK		

# INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the  
 Coast and Geodetic Survey

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
93	SALEM RADIO STATION KBB 690 MAST		
94	SALEM S MUNICIPAL WATER TANK		
95	MT VERNON ILLINOIS CITIES WATER CO WATER TANK		
96	CENTRALIA FOREST CITY MFG CO WATER TANK		
97	CENTRALIA SIEGLER CORP WATER TANK		
98	CENTRALIA RADIO STATION KSJ 56 MAST		
99	O FALLON MUNICIPAL WATER TANK		
100	O FALLON INDEPENDENT ENGINEERING CO STACK O FALLON INDEPENDENT ENGINEERING CO WATER TANK		
101	JUNCTION CITY MARION COUNTY MINES INC STACK		
102	JUNCTION CITY RADIO STATION WCNT MAST		
103	SCOTT AFB RADAR TOWER		
104	SCOTT AFB CONTROL TOWER		
105	SCOTT AFB E WATER TANK		
106	OKAWVILLE ST PETERS EVANGELICAL CHURCH SPIRE OKAWVILLE MUNICIPAL WATER TANK		
107	ADDIEVILLE LION UNITED CHURCH OF CHRIST SPIRE		
108	NASHVILLE SW MUNICIPAL WATER TANK NASHVILLE NE MUNICIPAL WATER TANK		
109	NASHVILLE GRACE METHODIST CHURCH SPIRE		
110	ASHLEY HOBEN CANDY CO WATER TANK		
111	ASHLEY MUNICIPAL WATER TANK		
112	MT VERNON CIPS CO MICROWAVE MAST		
113	SANDOVAL NW MUNICIPAL WATER TANK SANDOVAL ST LAWRENCE CATHOLIC CHURCH SPIRE		
114	HOYLETON METHODIST CHURCH SPIRE		
115	CENTRALIA CENTRALIA RADIO STATION KSD 288 MAST		
116	DUBOIS CATHOLIC CHURCH NE SPIRE		
117	SESSER MUNICIPAL WATER TANK		

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
118	DU QUOIN RADIO STATION WDQN MAST		
119	DU QUOIN RADIO STATION KSN 46 MAST		
120	PINCKNEYVILLE PERRY METAL PRODUCTS INC WATER TANK		
121	PINCKNEYVILLE DECCA RECORDS WATER TANK		
122	PINCKNEYVILLE NEW MUNICIPAL WATER TANK		
123	CENTRAL ILLINOIS PUBLIC SERVICE CO RADIO STATION KSA 749 MAST		
124	ODIN MUNICIPAL WATER TANK		
125	SANDOVAL SE MUNICIPAL WATER TANK		
126	AIRPORT BEACON FLORA AIRPORT		