



100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS
— WISCONSIN SOUTH
INDEX TO COUNTY BOUNDARIES
90° (See county designations list for county identification)
PLANE COORDINATE ZONES
WISCONSIN SOUTH

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 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

Horizontal Control
 — Horizontal
 - - - Vertical

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

LOCATION DIAGRAM FOR NK 16-1

LEGEND ROAD DATA 1957

RAILROADS
 — Single track Double or Multiple Standard gauge
 — Narrow gauge
 — International
 — State
 — County
 — Park or reservation

LANDMARKS: School, Church, Other
 — Horizontal control point
 — Spot elevation in feet
 — Marsh or swamp
 — Intermittent or dry stream
 — Power line

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

COAST AND GEODETIC SURVEY THIRTY MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

ORDER CONTROL DATA IN BLACK BY 30 MINUTE QUADRANGLE UNITS FROM DIRECTOR, COAST AND GEODETIC SURVEY, WASHINGTON 25, D. C.

COUNTY DESIGNATIONS

Adams	11 Fond Du Lac
Ashland	12 Dodge
Barr	13 Jefferson
Bay	14 Washburn
Beauregard	15 Washington
Benton	16 Dickinson
Brown	17 Colman
Butte	18 Houston
Cass	19 DeSoto
Chippewa	20 Mitchell

INDEX TO COUNTY BOUNDARIES

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

GEOLOGICAL SURVEY FIFTEEN MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

WISCONSIN (Cont.)

37 Wausau	66 Keshauk
38 Neff	67 Cambridge
39 Washburn	68 Washburn
40 Waubesa	69 Fox Lake
41 Sun Prairie	70 Randolph
42 Madison	71 Portage
43 Cross Plains	72 Beloit
44 Blue Mounds	73 Wisconsin Dells
45 West Bend	74 Kiel
46 Hartford	75 Fond Du Lac
47 Horicon	76 Ripon
48 Beaver Dam	77 Montello
49 Columbus	78 Neesho
50 Fayette	79 Montello
51 Scales	80 Oshkosh
52 North Freedom	81 Adams
53 Wisconsin Dells	82 Oshkosh
54 Beaver Dam	83 Adams
55 Columbus	84 Ripon
56 Fayette	85 Montello
57 Scales	86 Oshkosh
58 North Freedom	87 Adams
59 Wisconsin Dells	88 Oshkosh
60 Beaver Dam	89 Adams
61 Columbus	90 Ripon
62 Fayette	91 Montello
63 Scales	92 Oshkosh
64 North Freedom	93 Adams
65 Wisconsin Dells	94 Oshkosh

MADISON, WISCONSIN (NK 16-1)
 APRIL 1964

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

Page 1
 QUADS 430881-2-3-4 & 430891-2-3-4
 WISC
 LATITUDE 43°00' TO 44°00'
 LONGITUDE 88°00' TO 90°00'
 DIAGRAM NK 16-1 MADISON

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
1	KEEFE 2	430882	1001
1	KEEFE 3	430882	1002
1	KEEFE AZIMUTH MARK RESET	430882	1002
2	HARTLAND MUNICIPAL WATER TANK	430882	1013
3	OCONOMOWOC MUNICIPAL WATER TANK	430882	1014
4	DELAFIELD USLS	430882	1022
4	WALES RADIO STATION WHAD MAST	430882	1011
5	JEFFERSON MUNICIPAL WATER TANK	430883	1008
5	JEFFERSON RADIO STATION KSB 455 MAST	430883	1009
5	JEFFERSON ST JOHNS CATHOLIC CH SPIRE	430883	1043
5	JEFFERSON ST JOHNS LUTHERAN CH SPIRE	430883	1044
6	AIRPORT BEACON WATERTOWN MUNICIPAL AIRPORT	430883	1013
7	BEAVER DAM 1ST EV LUTHERAN CHURCH SPIRE	430883	1071
8	JEFFERSON COUNTY COURTHOUSE CLOCK TOWER	430883	1045
9	JOHNSON CREEK ST JOHNS EV LUTH CH SPIRE	430883	1048
10	JOHNSON CREEK ST MARY MAGDALENE CATH CH SP	430883	1049
11	LAKE MILLS CREAMERY PACKAGE MFG STACK	430883	1050
11	LAKE MILLS CREAMERY PACKAGE MFG TANK	430883	1051
12	LAKE MILLS MUNICIPAL WATER TOWER	430883	1052
12	LAKE MILLS MUNICIPAL WATER TANK	430883	1053
13	WATERTOWN MUNICIPAL WATER TANK	430883	1056
13	WATERTOWN ST BERNARDS CATH CH SPIRE	430883	1058
14	WATERTOWN RADIO STATION WTTN MAST	430883	1057
15	JUNEAU DAIRY LAND CO-OP STACK	430883	1063
16	JUNEAU RADIO STATION KSD 329 MAST	430883	1065
16	JUNEAU ST MARYS CATHOLIC CHURCH SPIRE	430883	1067
17	JUNEAU COUNTY HOSPITAL STACK	430883	1068
17	JUNEAU COUNTY HOSPITAL WATER TANK	430883	1069
18	BEAVER DAM MUNICIPAL WATER TANK	430883	1072
18	BEAVER DAM ST PETER CATHOLIC CH SPIRE	430883	1074
19	BEAVER DAM ST PATRICKS CATH CH SPIRE	430883	1073
20	FOX LAKE MUNICIPAL WATER TANK	430884	1014
20	FOX LAKE ST MARYS CHURCH SPIRE	430884	1013
21	MERIDIAN DISTANCE STONE USGS	430891	1033
21	MERIDIAN STONE USGS	430891	1033
21	PORTAGE COLUMBIA COUNTY CRTHSE DOME	430891	1036
21	PORTAGE EAST MUNICIPAL WATER TANK	430891	1016
21	PORTAGE FIRE DEPARTMENT TOWER	430891	1037
21	PORTAGE MUNICIPAL TANK	430891	1038

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
21	PORTAGE WEYENBERG SHOE MFG CO TANK	430891	1040
21	PORTAGE WEYENBERG SHOE MFG CO STACK	430891	1041
22	RANDOLPH MUNICIPAL WATER TANK	430891	1028
22	RANDOLPH ROCKWELL OF RANDOLPH WATER TANK	430891	1029
23	COLUMBUS MUNICIPAL WATER TOWER	430892	1004
23	COLUMBUS ST JEROMES CATHOLIC CH SPIRE	430892	1046
24	942 36 WIS GEOD S	430892	1028
24	MADISON MUNICIPAL STANDPIPE	430892	1028
25	MADISON RADIO STATION FSF 982 MAST	430892	1038
25	STATE	430892	1033
26	MENDOTA LAKE VIEW SANATORIUM WATER TANK	430892	1035
27	MADISON TV STATION WHA TOWER	430892	1037
27	MADISON UNIV OF WISCONSIN POWERHOUSE STACK	430892	1094
27	NO 77 WIS GEOD S	430892	1036
28	MC CORMICK	430892	1039
29	MADISON GREYHOUND BUS CO MAST	430892	1042
29	TT 68 USGS	430892	1041
30	COLUMBUS CITY HALL CUPOLA	430892	1048
30	COLUMBUS ZIONS EV LUTHERAN CHURCH SPIRE	430892	1050
31	MADISON CAPITOL HEAT AND POWER PLANT STACK	430892	1079
31	MADISON GAS AND ELECTRIC CO WEST STACK	430892	1080
32	MADISON ST RAPHAELS CHURCH SPIRE	430892	1081
32	MADISON WISCONSIN STATE CAPITOL DOME	430892	1082
33	MADISON GENERAL HOSPITAL STACK	430892	1084
34	MADISON RADIO STATION KSA 293 TOWER	430892	1085
35	MADISON RADIO STATION WHA EAST TOWER	430892	1091
36	MADISON RADIO STATION WISC-FM TOWER	430892	1092
37	MADISON RADIO STATION WIBA TOWER	430892	1093
38	MADISON OSCAR MAYER AND CO WATER TANK	430892	1075
39	BLUE MOUNDS RADIO STATION WIBA-FM TOWER	430893	1007
39	MINIX R M 3	430893	1006
40	HOLY HILL OUR LADY OF MERCY CATH CH E SPIRE	430882	1060
40	HOLY HILL OUR LADY OF MERCY CATH CH W SPIRE	430882	1061
41	DAVIDS STERN EV LUTH CH SPIRE	430882	1052
42	MILWAUKEE CURTISS WRIGHT AIRPORT BEACON	430882	1021
43	WEST BEND MUNICIPAL AIRPORT BEACON	430882	1046
44	BENCH MARK USGS NEAR FOND 1908	430881	1013
44	FOND DU LAC CO COURTHOUSE CLOCK TOWER	430881	1034
44	FOND DU LAC MUNICIPAL WATER TANK	430881	1039
44	FOND DU LAC RADIO STATION KFIZ MAST	430881	1038

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 QUADS 430881-2-3-4 & 430891-2-3-4
 WISC
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 DIAGRAM NK 16-1 MADISON

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
45	WEST ALLIS MUNICIPAL WATER TANK	430882	1085
46	WAUWATOSA MUNICIPAL WATER TANK NO 5	430882	1077
47	MILWAUKEE CO INSTITUTIONS WATER TANK	430882	1066
48	WAUKESHA FOX HEAD BREWING CO CUPOLA	430882	1074
48	WAUKESHA ST JOSEPHS CATHOLIC CHURCH SPIRE	430882	1084
49	WAUKESHA RADIO STATION WAUX MAST	430882	1080
50	WAUKESHA MOOR HOTEL POWER PLANT STACK	430882	1075
51	WAUKESHA CO POOR FARM TALLER WATER TANK	430882	1072
52	WAUKESHA RADIO STATION KSC 274 MAST	430882	1079
53	WAUKESHA RADIO STATION WTMJ MIDDLE MAST	430882	1081
53	WAUKESHA RADIO STATION WTMJ NORTH MAST	430882	1082
53	WAUKESHA RADIO STATION WTMJ SOUTH MAST	430882	1083
54	MENOMONEE FALLS MUNICIPAL WATER TANK	430882	1064
54	MENOMONEE FALLS ST PAULS EVAN REFORM CH SP	430882	1065
55	MENOMONEE FALLS ST MARYS CATH CH SPIRE	430882	1062
56	CEDARBURG RADIO STATION KSD 96 MAST	430882	1051
57	BOLTONVILLE ST JOHNS CATH CH SPIRE	430881	1031
58	BEECHWOOD MICH WISC PIPE LINE CO MAST	430881	1030
59	FOND DU LAC ST LOUIS CATH CH NORTH SPIRE	430881	1036
59	FOND DU LAC ST LOUIS CATH CH SOUTH SPIRE	430881	1037
59	FOND DU LAC WISC POWER LIGHT CO STACK	430881	1040
60	OSHKOSH WINNEBAGO CO AIRPORT BEACON	430884	1050
61	ASHTON ST PETERS CATHOLIC CHURCH SPIRE	430893	1026
61	MILWAUKEE ST PAUL AIRWAY BEACON NO 8	430893	1039
62	MT HOREB LUTH CHURCH SPIRE	430893	1042
62	MT HOREB MUNICIPAL TANK	430893	1043
63	MT HOREB ST IGNATIUS CHURCH SPIRE	430893	1046
64	MT HOREB PUBLIC SCHOOLS CHIMNEY	430893	1044
65	BARABOO FIRST PRESBYTERIAN CHURCH SPIRE	430893	1037
65	BARABOO SAUK CO COURTHOUSE TOWER	430893	1038
66	LYNDON ST MARYS CATH CH TOWER	430894	1027
67	FREISTADT TRINITY EVAN LUTH CH SPIRE	430882	1053
68	JEFFERSON ST LAWRENCE CATHOLIC CH SPIRE	430883	1043
69	MADISON FIRST CONGREGATIONAL CHURCH DOME	430892	1083
70	MADISON RADIO STATION WMFM MAST	430892	1077
71	MADISON GISHOLT MACHINE CO WEST STACK	430892	1078
72	MADISON RAY-O-VAC CO WATER TANK	430892	1076
73	AIRPORT BEACON TRUAX FIELD MADISON	430892	1072
73	MADISON TRUAX FIELD DOME	430892	1073
74	SUN PRAIRIE MUNICIPAL WATER TOWER	430892	1062

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
74	SUN PRAIRIE SACRED HEART CHURCH CROSS	430892	1063
75	WAUKESHA RADIO STATION KSR 426 MAST	430882	1078
76	WAUKESHA GENERAL MALLEABLE CORP STACK	430882	1073
77	FUSSVILLE ST ANTHONY CATH CH SPIRE	430882	1054
78	MENOMONEE FALLS MIDDLE WEST MFG CO STACK	430882	1063
79	CLYMAN MUNICIPAL WATER TANK	430883	1060
79	CLYMAN ST JOHNS CATHOLIC CHURCH SPIRE	430883	1061
79	CLYMAN ZION EV LUTHERAN CHURCH SPIRE	430883	1062
80	HARTFORD MUNICIPAL WATER TANK	430882	1057
80	HARTFORD ST KILIANS CATH CH SPIRE	430882	1058
81	NENNO STS PETER AND PAUL CATH CH SPIRE	430882	1067
82	WAUPUN THE CARNATION CO STACK	430884	1016
83	WISCONSIN TELEPHONE RADIO STA KSA 806 MAST	430893	1028
84	ATT MICROWAVE TWR KSE 30 4 MI N OF HERRIMAC	430893	1029
85	COUNTY SHERIFFS RADIO STA KSA 450 MAST	430893	1024
86	NEWPORT NORWEGIAN EVAN LUTH CH CUPOLA	430894	1028
87	LOOKOUT TOWER CENTER OF CAB NEAR BLUE MOUND	430894	1014
87	THE DELLS LOOKOUT TOWER	430894	1015
88	LYNDON STATION MUNICIPAL WATER TANK	430894	1022
89	PORTAGE RADIO STATION WPDR MAST	430891	1024
90	WAUPUN EV LUTH IMMANUELS CHURCH SPIRE	430884	1021
91	MICH WISC PIPELINE CO RAD STA KSA 275 MAST	430881	1050
92	OCONOMOWOC CARNATION CO STACK	430883	1054
93	WATERTOWN ST MARKS EV LUTH CH SPIRE	430883	1055
94	ST JOHNS EV LUTHERAN CHURCH SPIRE	430884	1015
95	WAUPUN MUNICIPAL WATER TANK	430884	1017
95	WAUPUN MUNICIPAL WATER TOWER	430884	1018
95	WAUPUN STATE PRISON STACK	430884	1019
96	POYNETTE MUNICIPAL WATER TANK	430892	1055
97	ARLINGTON RADIO STATION KSC 256 MAST	430892	1056
98	MADISON TV STATION WKOW MAST	430892	1087
99	MINNESOTA JUNCTION USLS	430883	1080
100	WAUWATOSA MUNICIPAL WATER TANK NO 4	430882	1076
101	NEW HOLSTEIN MUNICIPAL WATER TANK	430881	1052
102	KIEL MUNICIPAL WATER TANK	430881	1043
102	KIEL S S PETER AND PAUL CATH CH SPIRE	430881	1044
103	PEEBLES A T AND T RADIO TOWER	430881	1054
103	ST PETERS	430881	1026