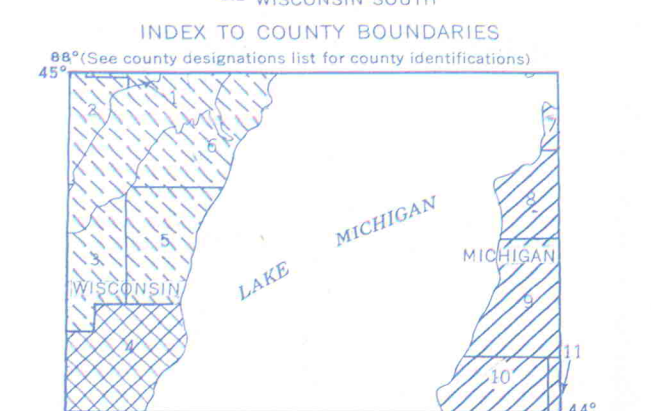


Base prepared by the Army Map Service (BESN), Corps of Engineers, U.S. Army, Washington, D. C. Compiled in 1955 by photogrammetric methods and from USLS Charts 70, 73, 77, 1954 and 703, 1955. Horizontal and vertical control by USGS and USCGS. Photography first annotated 1954.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS
— WISCONSIN CENTRAL — MICHIGAN CENTRAL
— WISCONSIN SOUTH



PLANE COORDINATE ZONES
WISCONSIN CENTRAL MICHIGAN CENTRAL
WISCONSIN SOUTH

<p>Coast & Geodetic Survey</p> <ul style="list-style-type: none"> ▲ Monumented Point - First Order △ Monumented Point - Second Order ● Monumented Point - Third Order ○ Located Object - Third Order 60 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 	<p>Geological Survey</p> <ul style="list-style-type: none"> — First Order — Second Order — Third Order 	<p>Coast & Geodetic Survey</p> <ul style="list-style-type: none"> — Horizontal or Vertical 	<p>Geological Survey</p> <ul style="list-style-type: none"> — 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

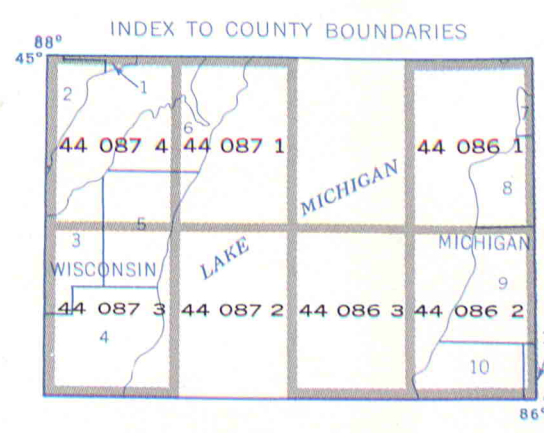
TRANSVERSE MERCATOR PROJECTION

TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY

LEGEND ROAD DATA 1954

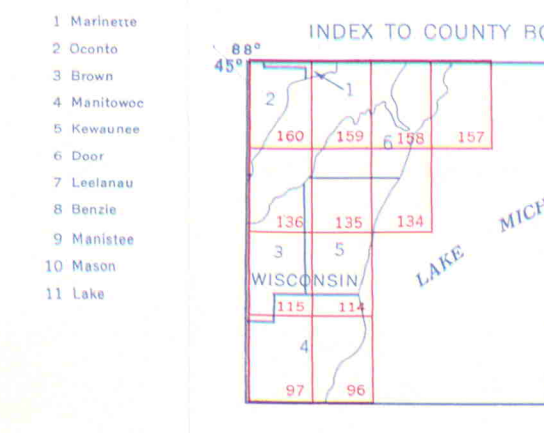
RAILROADS	Single track Double or Multiple
Standard gauge	— A
Narrow gauge	— B
BOUNDARIES	International
State	— C
County	— D
Park or reservation	— E
ROADS	Hard surface, heavy duty
More than two lanes wide	— F
Two lanes wide; Federal route marker	— G
Hard surface, medium duty	— H
More than two lanes wide	— I
Two lanes wide; State route marker	— J
Improved light duty	— K
Unimproved dirt	— L
Trail	— M
LANDMARKS	School; Church; Other... 2 1
Horizontal control point	— N
Spot elevation in feet	— O
Marsh or swamp	— P
Intermittent or dry stream	— Q
Power line	— R

COAST AND GEODETIC SURVEY
THIRTY MINUTE QUADRANGLE DESIGNATION



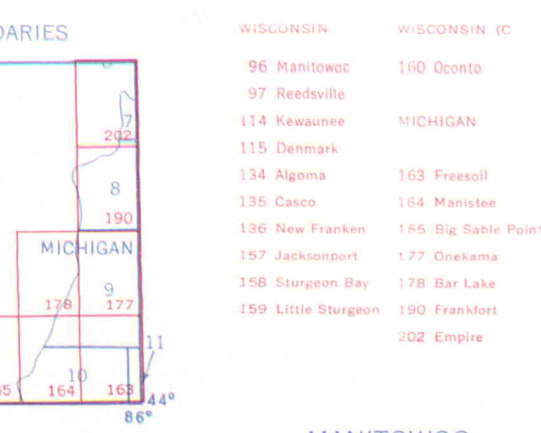
ORDER CONTROL DATA IN BLACK BY 30 MINUTE QUADRANGLE UNITS FROM DIRECTOR, COAST AND GEODETIC SURVEY, WASHINGTON 25, D. C.

GEOLOGICAL SURVEY
FIFTEEN MINUTE QUADRANGLE DESIGNATION



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

MANITOWOC, WISCONSIN, MICHIGAN (NL 16-11)



MANITOWOC, WISCONSIN, MICHIGAN (NL 16-11)
NOVEMBER 1963

USCGM-CGS-DC-A-4972

U. S. DEPT. OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON, D. C.
 FORM - 6471 (1-63)
 DATE NOV 1963

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

QUADS 440861-2-3-4& 440871-2-3-4
 MICH-WISC
 LATITUDE 44° 00' TO 45° 00'
 LONGITUDE 86° 00' TO 88° 00'
 DIAGRAM NL 16-11 MANITOWOC

KEY NO	STATION NAME	QUAD NO.	STATION NO.
1	PREBLE MUNICIPAL WATER TANK	4408740	1035
2	GREEN BAY INDIAN PACKING CO SMOKESTACK	4408740	1038
3	DENMARK LAKE TO LAKE DAIRY STACK	4408730	1036
3	DENMARK MUNICIPAL WATER TANK	4408730	1037
4	ST NAZIANZ ST GREGORYS CATH CH SPIRE	4408730	1061
5	SILVER LAKE HOLY FAMILY CONVENT WATER TANK	4408730	1062
6	ASYLUM	4408730	1002
6	ASYLUM 2	4408730	1002
7	MANITOWOC RADIO STATION WOMT MAST	4408730	1051
8	MANITOWOC ST MARYS CATH CH E SPIRE	4408730	1055
8	MANITOWOC ST MARYS CATH CH W SPIRE	4408730	1056
9	BENCH MARK (USE) NEAR MANITOWOC	4408730	1017
9	MANITOWOC	4408730	1017
9	MANITOWOC CO COURTHOUSE DOME	4408730	1045
9	MANITOWOC RAHR BLDG LANDMARK BN	4408730	1053
10	MANITOWOC RADIO STATION WRLU MAST	4408730	1050
11	MANITOWOC BREAKWATER LIGHT	4408730	1044
11	MANITOWOC SOUTH BREAKWATER LIGHT	4408730	1054
12	RANKIN	4408740	1017
12	RANKIN ST JOHNS LUTH CH SPIRE	4408440	1036
13	ALGOMA MUNICIPAL WATER TANK	4408710	1026
14	STURGEON BAY	4408710	1019
14	STURGEON BAY CANAL NORTH PIERHEAD LIGHT	4408710	1032
14	STURGEON BAY MUNICIPAL WATER TANK	4408710	1034
15	STURGEON BAY RADIO STATION WOKW MAST	4408710	1038
16	BIG HILL	4408710	1003
16	STURGEON BAY SOUTH MUNICIPAL RESERVOIR	4408710	1003
17	STURGEON BAY NORTH MUNICIPAL RESERVOIR	4408710	1003
17	STURGEON BAY ST JOSEPHS CATH CH NW SPIRE	4408710	1036
17	STURGEON BAY ST JOSEPHS CATH CH SE SPIRE	4408710	1037
18	MANISTEE PIERHEAD LIGHT	4408620	1016
19	MANISTEE WOODROW WILSON HIGH SCHOOL	4408620	1018
20	MANISTEE FIRST CONGREGATIONAL CHURCH SPIRE	4408620	1013
20	MANISTEE GUARDIAN ANGEL CATHOLIC CH SPIRE	4408620	1014
21	MANISTEE R AND R SALT CO STACK	4408620	1017
22	BIG POINT SABLE ASTRO LAT USLS	4408630	1003
22	BIG SABLE LIGHTHOUSE	4408630	1001
22	OBSERVATORY POST BIG POINT SABLE USLS	4408630	1004
23	BIG POINT SABLE ONC USLS	4408620	1024
24	LUXEBURG MUNICIPAL WATER TANK	4408740	1033

KEY NO	STATION NAME	QUAD NO.	STATION NO.
25	MANITOWOC MUNICIPAL AIRPORT BEACON	4408730	1001
26	FRANCIS CREEK ST ANNS CATH CH SPIRE	4408730	1038
27	COOPERSTOWN ST JAMES CATH CH SPIRE	4408730	1035
28	GREEN BAY RADIO STA WJPG FM MAST	4408730	1041
30	GREEN BAY ANGLE LIGHT	4408740	1027
31	GREEN BAY HARBOR ENTRANCE LIGHT	4408740	1030
32	HUMBOLDT ST MARYS CATH CH SPIRE	4408740	1031
33	PILSEN ST JOSEPHS CATH CH SPIRE	4408730	1058
34	STANGELVILLE ST LAWRENCE CATH CH SPIRE	4408730	1063
35	CASCO HOLY TRINITY CATH CH SPIRE	4408740	1026
36	TONET ST ODILE CATH CH SPIRE	4408740	1037
37	BRUSSELS ST FRANCIS CATH CH SPIRE	4408740	1025
38	MAPLEWOOD ST MARYS CATH CH SPIRE	4408710	1029
39	VALMY ST JOHNS EV LUTHERAN CHURCH SPIRE	4408710	1040
40	SOUTH EGG USLS	4408710	1017