

SAINT PAUL, MINNESOTA, WISCONSIN (NL 15-11)
SEPTEMBER 1963

USCGM-CGS-DC-OCTOBER 1963 A-4939

Base prepared by the Army Map Service (LKBPM), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1956 by photogrammetric methods. Aerial photography 1951. Horizontal and vertical control by USC&GS, USGS, and GE. Photography field annotated 1955.

HORIZONTAL CONTROL **VERTICAL CONTROL**

- | | | | |
|---|---|--|--|
| Coast & Geodetic Survey | Geological Survey | Coast & Geodetic Survey | Geological Survey |
| ▲ Monumented Point - First Order | ▲ Monumented Point - Second Order | ▲ Monumented Point - Third Order | ○ Located Object - Third Order |
| ○ 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 Distances Third Order | — Transit Traverse and Leveling Third Order |

SECTIONIZED TOWNSHIP **TRANSVERSE MERCATOR PROJECTION**

Scale 1:250,000
20 Statute Miles
0 5 10 15 20 25 30 Kilometers
0 25,000 50,000 75,000 100,000 Feet

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

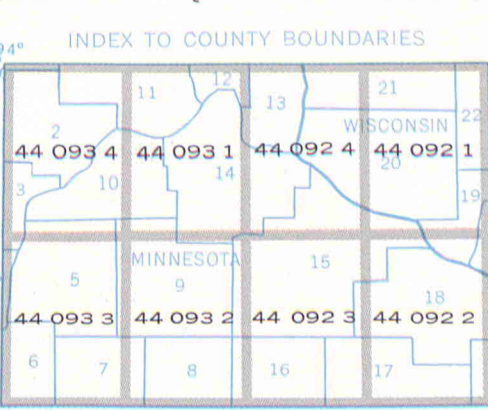
LEGEND ROAD DATA 1953

ROADS
Hard surface, heavy duty
More than two lanes wide
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

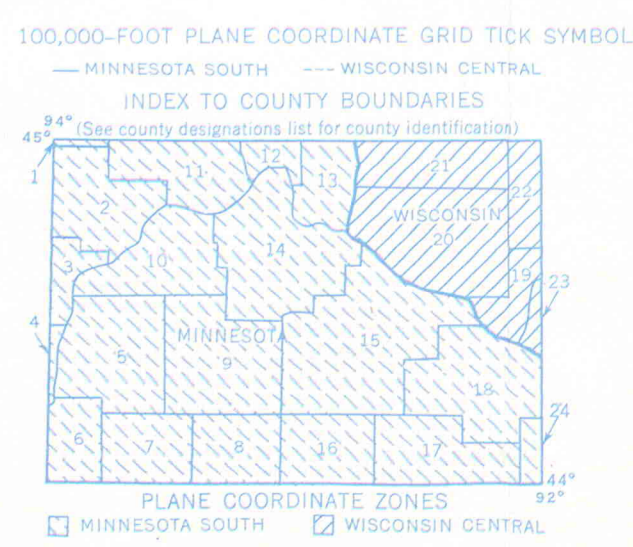
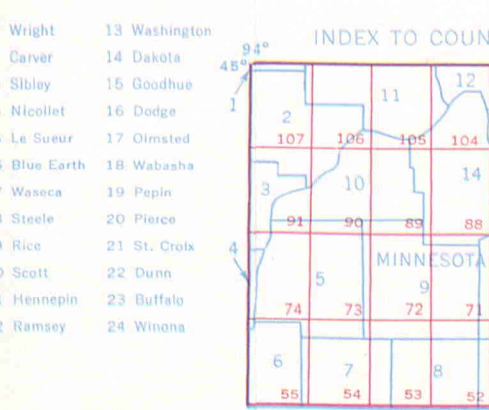
RAILROADS
Single track Double or Multiple
Standard gauge
Narrow gauge
2-LANES & LARGER
1-LANE & LARGER
BOUNDBARIES
International
State
County
Park or reservation

LANDMARKS
School; Church; Other...
Horizontal control point
Spot elevation in feet
Marsh or swamp
Intermittent or dry stream
Power line

COAST AND GEODETIC SURVEY THIRTY MINUTE QUADRANGLE DESIGNATION



GEOLOGICAL SURVEY FIFTEEN MINUTE QUADRANGLE DESIGNATION



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

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

SAINT PAUL, MINNESOTA, WISCONSIN (NL 15-11)
SEPTEMBER 1963

U. S. DEPT. OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON, D. C.
 FORM - 6471 (1-63)
 DATE DEC 1963 REVISED SEP 1965

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

Page 1
 QUADS 440921-2-3-4 & 440931-2-3-4
 MINN-WISC
 LATITUDE 44°00' TO 45°00'
 LONGITUDE 92°00' TO 94°00'
 DIAGRAM NL 15-11 SAINT PAUL

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.	KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
1	AVIATION BEACON NO 30 (OLD NO 34)	440921	1001	26	WASECA STEEL WATER TANK	440933	1009
2	WABASHA CHURCH SPIRE MRC	440922	1029	27	CHASKA GUARDIAN ANGEL CHURCH CROSS	440934	1018
3	REEDS LANDING CHURCH SPIRE MRC	440922	1018	28	COLOGNE MUNICIPAL WATER TANK	440934	1019
3	REEDS LANDING SCHOOLHOUSE MRC	440922	1019	29	COLOGNE ST BERNARDS CATH CH SPIRE	440934	1020
4	HAMMOND MUNICIPAL TANK	440921	1010	30	EXCELSIOR MUN WATER TANK	440934	1021
4	HAMMOND SPIRE WITH BALL	440921	1011	31	HAMBURG EVANG LUTHERAN CHURCH SPIRE	440934	1022
5	ST PAULUS DUETCHE EVANG LUTH CHURCH SPIRE	440922	1028	32	LONG LAKE MUN WATER TANK	440934	1025
6	ROCHESTER	440922	1009	33	MAYER ZION LUTHERAN CHURCH CROSS	440934	1028
7	ROCHESTER CANNING CO TANK CENTER	440922	1020	34	MINNETONKA BEACH MUN WATER TANK	440934	1029
7	ROCHESTER CANNING CO WATER TANK LIGHT	440922	1021	35	MOUND MUN WATER TANK	440934	1030
8	ROCHESTER MAYO CLINIC BUILDING LIGHT	440922	1023	36	NEW GERMANY ST MARKS CHURCH FINIAL	440934	1031
8	ROCHESTER MAYO CLINIC BUILDING STACK	440922	1024	37	NEW PRAGUE INTERNAT MILL CO STACK	440934	1033
8	ROCHESTER MAYO CLINIC SPIRE	440922	1030	37	NEW PRAGUE INTERNAT MILL CO TANK	440934	1034
9	ROCHESTER MUNICIPAL WATER TANK LIGHT	440922	1025	37	NEW PRAGUE INTERNAT MILL CO WIRELESS MAST	440934	1032
9	ROCHESTER ST MARYS HOSPITAL STACK	440922	1026	38	NORWOOD MUNICIPAL WATER TANK	440934	1036
10	DODGE CENTER MUNICIPAL WATER TANK	440923	1014	39	NORWOOD ST JOHNS CATHOLIC CHURCH CROSS	440934	1037
11	WOODBURY M E CHURCH SPIRE	440924	1013	40	YOUNG AMERICA ST JOHNS EVAG LUTH CH CROSS	440934	1051
12	ST PAUL HOUSE WITH RED ROOF	440931	1072	40	YOUNG AMERICA MUN WATER TANK	440934	1049
12	UNIV OF MINN COLL OF AGRICULTURE TANK	440931	1092	41	ELEVATOR B	440931	1013
12	UNIV OF MINN COLL OF AGRICULTURE STACK	440931	1091	42	KELLAR	440931	1014
13	HOPKINS STEEL WATER TANK	440931	1005	42	KELLAR BROWN CHURCH SPIRE	440931	1040
14	MINNEAPOLIS HENNEPIN METHODIST CHURCH SPIRE	440931	1006	43	MORTENSEN	440931	1016
15	FARIBAULT STATE DEAF AND DUMB SCHOOL TANK	440932	1011	44	MINNEAPOLIS PROSPECT PARK WATER TOWER	440931	1050
16	FARIBAULT CONGREGATIONAL CHURCH SPIRE	440932	1028	44	PROSPECT PARK	440931	1017
16	FARIBAULT DEAF AND DUMB ASYLUM STAND PIPE	440932	1007	44	ST PAUL SOUTHEAST BASE	440931	1019
16	FARIBAULT WHITE CHURCH STEEPLE	440932	1013	45	RAMSEY	440931	1018
16	FARIBAULT ST MARYS SCHOOL SPIRE BELFRY	440932	1009	46	EAST MINNEAPOLIS COLISEUM FLAGSTAFF	440931	1032
17	FARIBAULT RICE COUNTY COURTHOUSE SPIRE	440932	1008	46	ST PAUL NORTHWEST BASE	440931	1020
18	FARIBAULT IMMACULATE CONCEPTION CH CROSS	440932	1029	46	UNIVERSITY 1887	440931	1025
19	FARIBAULT SQUARE STONE TOWER OPEN COPING	440932	1010	47	SNELLING AVENUE NORTH BASE	440931	1022
20	OWATONNA LIGHT POWER PLANT TALL SMOKESTACK	440932	1017	48	EAST MINNEAPOLIS MECHANICAL ARTS BUILDING	440931	1034
21	OWATONNA SACRED HEART CATH CHURCH CUPOLA	440932	1021	48	UNIVERSITY 1934	440931	1027
22	OWATONNA PILLSBURY ACADEMY TALL GRAY SPIRE	440932	1019	49	CHRISTIANA FREE CHURCH NEAR	440931	1029
22	OWATONNA STANDPIPE	440932	1022	49	CHRISTIANA NORWEGIAN LUTHERAN CHURCH SPIRE	440931	1030
22	OWATONNA WATER TANK	440932	1024	50	EAST MINNEAPOLIS ELWELLS ADDITION CHURCH	440931	1031
23	SHIELDSVILLE CATHOLIC CHURCH BLACK CROSS	440932	1025	51	EAST MINNEAPOLIS EXPOSITION SPIRE	440931	1033
24	WASECA CATHOLIC CHURCH STEEPLE	440933	1005	51	EAST MINNEAPOLIS PILLSBURY A MILL	440931	1036
25	WASECA COURTHOUSE	440933	1007	51	EAST MINNEAPOLIS UNIVERSITY AVE ME CHURCH	440931	1038
25	WASECA TALL SMOKE STACK	440933	1010	52	EAST MINNEAPOLIS OLIVET BAPTIST CHURCH	440931	1035
26	WASECA ROUND SMOKESTACK	440933	1008	53	EAST MINNEAPOLIS SCHOOL	440931	1037

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 DIAGRAM NL 15-11 SAINT PAUL

KEY NO.	STATION NAME	QUAD NO.	STATION NO.	KEY NO.	STATION NAME	QUAD NO.	STATION NO.
54	MINNEAPOLIS CAMP AND WALKER MILL	440931	1042	80	ST PAUL THEO HAMM BREWING CO STACK	440931	1086
54	MINNEAPOLIS ELECTRIC LIGHT MAST	440931	1044	81	ST PAUL WALDORF PAPER CO BRICK STACK	440931	1088
54	MINNEAPOLIS SUSPENSION BRIDGE SE PIER	440931	1053	81	ST PAUL WALDORF PAPER CO CONCRETE STACK	440931	1087
54	MINNEAPOLIS SUSPENSION BRIDGE SW PIER	440931	1054	82	ST PAUL WORKHOUSE TOWER	440931	1089
55	MINNEAPOLIS CITY HALL FLAGSTAFF	440931	1043	83	STATE FAIR GROUNDS AGRICULTURE BLDG DOME	440931	1090
56	MINNEAPOLIS FOSHAY TOWER	440931	1045	84	NORTHFIELD ST OLAFS COLL DORMITORY SPIRE	440932	1034
56	MINNEAPOLIS UNIVERSALIST CHURCH	440931	1055	84	NORTHFIELD ST OLAFS COLL HEAT PLANT STACK	440932	1036
57	MINNEAPOLIS GAS HOUSE	440931	1046	86	NERSTRAND NORWEGIAN LUTHERAN CHURCH SPIRE	440932	1032
58	MINNEAPOLIS HARVESTER WORKS	440931	1047	87	NERSTRAND ST JOHNS EVANG LUTH CHURCH SPIRE	440932	1033
58	MINNEAPOLIS MOLINE TANK	440931	1049	88	NORTHFIELD ST OLAFS COLL ADMIN BLDG DOME	440932	1035
59	MINNEAPOLIS HIGH SCHOOL	440931	1048	88	ST OLAF	440932	1027
60	MINNEAPOLIS SCHOOLHOUSE	440931	1051	89	MINNEAPOLIS W D WASHBURN HOME	440931	1056
61	MINNEAPOLIS SEARS TOWER FLAGSTAFF	440931	1052	90	AVIATION BEACON NO 31 B (OLD NO 35)	440924	1025
62	MINNEAPOLIS WASHBURN WATER TOWER	440931	1057	92	ROCHESTER STATE HOSPITAL DOME	440922	1027
63	MINNEAPOLIS WESTMINSTER CHURCH	440931	1058	93	OWATONNA CATHOLIC CHURCH STEEPLE	440932	1014
64	RADIO STATION WLB NORTHWEST TOWER	440931	1059	93	OWATONNA LUTHERAN CHURCH GRAY SPIRE CROSS	440932	1018
64	RADIO STATION WLB SOUTHEAST TOWER	440931	1060	94	MONTGOMERY CITY WATER TANK	440933	1002
65	RAMSEY COUNTY POOR FARM STACK	440931	1062	94	MONTGOMERY COMMANDER FLOUR MILL WATER TANK	440933	1003
65	RAMSEY COUNTY POOR FARM TANK	440931	1061	94	MONTGOMERY TALLEST BRICK STACK	440933	1004
66	ST PAUL BROWN AND BIGELOW CO STACK	440931	1064	95	LAKE CITY CHURCH SPIRE MRC	440922	1014
66	ST PAUL REFORM SCHOOL	440931	1082	96	YOUNG AMERICA NORTHERN ST POW RADIO TOWER	440934	1050
67	ST PAUL CHURCH SPIRE	440931	1065	97	HASTINGS INSANE ASYLUM WATER TANK	440924	1011
68	ST PAUL COLL OF ST CATHERINE CHAPEL TOWER	440931	1066	98	OLE	440922	1008
69	ST PAUL CUSTOMHOUSE	440931	1067	98	TT 31E USGS	440922	1008
69	ST PAUL FIRST NATIONAL BANK	440931	1068	99	PLAINVIEW LAKESIDE PACKING CO TANK	440922	1015
69	ST PAUL GERMAN CATHOLIC CHURCH	440931	1069	99	PLAINVIEW ST JOACHIMS CATHOLIC CHURCH SPIRE	440922	1017
69	ST PAUL GLOBE BUILDING	440931	1070	100	WANAMINGO MUNICIPAL WATER TANK	440923	1022
69	ST PAUL NEW COUNTY COURTHOUSE	440931	1078	101	SHAKOPEE	440934	1014
70	ST PAUL HAMLINE UNIVERSITY SPIRE	440931	1071	101	SHAKOPEE 2	440934	1015
71	ST PAUL KOPPERS COKE CO STACK	440931	1073	102	OWATONNA CENTRAL HEATING PLANT SMOKESTACK	440932	1015
72	ST PAUL MACALASTER SCHOOL	440931	1074	102	OWATONNA FLAGPOLE	440932	1016
73	ST PAUL MERRIAM PARK ELEVATOR	440931	1075	102	OWATONNA STATE ORPHANAGE WATER TANK	440932	1023
73	ST PAUL ST PAULS CATHOLIC CHURCH SPIRE	440931	1084	103	ROCHESTER STANDPIPE	440922	1031
74	ST PAUL MINNESOTA STATE CAPITOL DOME	440931	1076	104	SNELLING AVENUE SOUTH BASE	440931	1023
75	ST PAUL MONTGOMERY WARD AND CO TOWER	440931	1077	104	SNELLING TOWER	440931	1024
76	ST PAUL N PACIFIC RY TALL CONCRETE STACK	440931	1079	105	LAKEVILLE MUNICIPAL WATER TANK	440931	1041
76	ST PAUL N PACIFIC RY YELLOW BRICK STACK	440931	1080				
77	ST PAUL PAULS CATHEDRAL DOME	440931	1081				
78	ST PAUL ST MARKS CATHOLIC CHURCH SPIRE	440931	1083				
79	ST PAUL STATE HOUSE	440931	1085				