



ST. CLOUD, MINNESOTA (NL 15-7)  
SEPTEMBER 1964

Base prepared by the Army Map Service (LKBTT), Corps of Engineers, U. S. Army, Washington, D. C. Computed in 1955 by photogrammetric methods. Horizontal and vertical control by USGS, USCOGS, and GE. Aerial photography 1953. Photography field annotated 1953.

**HORIZONTAL CONTROL**

**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
- 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

**Geological Survey**

- Monumented Point - First Order
- Monumented Point - Second Order
- Monumented Point - Third Order
- Located Object - 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

**VERTICAL CONTROL**

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

**TRANSVERSE MERCATOR PROJECTION**

TOWNSHIP OR RANGE LINE

LAND GRANT BOUNDARY

**LEGEND**

ROAD DATA 1953

- Standard gauge
- Narrow gauge
- Intermittent
- State
- County
- Park or reservation

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

**INDEX TO COUNTY BOUNDARIES**

1	2	3	4	5	6	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	37	38	39	40	41	42	43	44	45

**LOCATION DIAGRAM FOR NL 15-7**

45 095 4	45 095 5	45 095 6	45 095 7	45 095 8	45 095 9	45 095 10	45 095 11	45 095 12	45 095 13	45 095 14	45 095 15
45 094 4	45 094 5	45 094 6	45 094 7	45 094 8	45 094 9	45 094 10	45 094 11	45 094 12	45 094 13	45 094 14	45 094 15
45 093 4	45 093 5	45 093 6	45 093 7	45 093 8	45 093 9	45 093 10	45 093 11	45 093 12	45 093 13	45 093 14	45 093 15
45 092 4	45 092 5	45 092 6	45 092 7	45 092 8	45 092 9	45 092 10	45 092 11	45 092 12	45 092 13	45 092 14	45 092 15

**MINNESOTA COUNTY DESIGNATIONS**

- Grant
- Stevens
- Swift
- Lap Qui Patis
- Chippewa
- Kandiyohi
- Pope
- Douglas
- Beltrami
- Becker
- Wright
- Sherburne
- Benoni
- Morrison

**MINNESOTA COUNTY DESIGNATIONS**

- 161 Ancker
- 162 Cass
- 163 Ancker Lake
- 164 Starbuck
- 165 Milan
- 166 Ancker Lake
- 167 Pine
- 168 Lake Falls
- 169 Lake Valley
- 170 Swanville
- 171 Long Prairie
- 172 Elk River
- 173 Elk River
- 174 Elk River
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- 196 Elk River
- 197 Elk River
- 198 Elk River
- 199 Elk River
- 200 Elk River

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

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45 094 4	45 094 5	45 094 6	45 094 7	45 094 8	45 094 9	45 094 10	45 094 11	45 094 12	45 094 13	45 094 14	45 094 15
45 093 4	45 093 5	45 093 6	45 093 7	45 093 8	45 093 9	45 093 10	45 093 11	45 093 12	45 093 13	45 093 14	45 093 15
45 092 4	45 092 5	45 092 6	45 092 7	45 092 8	45 092 9	45 092 10	45 092 11	45 092 12	45 092 13	45 092 14	45 092 15

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- 199 Elk River
- 200 Elk River

**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 CLOUD, MINNESOTA (NL 15-7) SEPTEMBER 1964**



**INDEX TO  
 NUMBERED HORIZONTAL CONTROL STATIONS**  
 by the  
 Coast and Geodetic Survey

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.	KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
1	RICE BENTON COUNTY	450941	1073	30	ST JOSEPH NORTH MUN WATER TANK	450941	1065
2	PIERZ MUNICIPAL WATER TANK	450941	1079	31	ST JOSEPH CONVENT OF ST BENEDICT S WATER TK	450941	1066
3	PIERZ RICH PRAIRIE CATHOLIC CHURCH SPIRE	450941	1035	32	ST WENDEL ST COLUMBKILLE CHURCH CROSS	450941	1067
4	BUCKMAN CATHOLIC CHURCH SPIRE	450941	1029	33	SAUK RAPIDS CATHOLIC CHURCH.	450941	1068
4	BUCKMAN RED WOODEN WATER TANK	450941	1028	34	SAUK RAPIDS WATER TANK	450941	1069
5	LITTLE ROCK RADIO STATION KAS 89 MAST	450941	1080	35	WAITE PARK MUN WATER TANK	450941	1070
6	MAYHEW ST MARYS CATHOLIC CHURCH SPIRE	450941	1081	36	ANNANDALE MUN WATER TANK	450942	1025
7	AIRPORT	450941	1001	37	BETHLEHEM LUTHERAN CHURCH CROSS	450942	1026
7	ST CLOUD AIRPORT RADOME	450941	1001	38	COKATO MINN VALLEY CANNING CO STACK	450942	1027
8	NORTH STAR MRC	450941	1015	39	COKATO MUN WATER TANK	450942	1028
8	ST CLOUD	450941	1015	40	COKATO NORTHLAND CANNING CO STACK	450942	1029
8	ST CLOUD NORTHERN STATES POWER CO RAD TOWER	450941	1049	41	COLD SPRING CATHOLIC CHURCH CROSS	450942	1030
9	AIRPORT BEACON WHITNEY MEM AIRPORT ST CLOUD	450941	1024	42	COLD SPRING MUN WATER TANK	450942	1031
9	ST CLOUD ST RAPHAELS HOSPITAL CHIMNEY	450941	1054	43	COLD SPRING POWER PLANT STACK	450942	1032
10	AVON ST BENEDICTS CHURCH CROSS	450941	1026	44	DARWIN FARMERS ELEVATOR CO VENTILATOR	450942	1033
11	CHURCH 1 MILE W OF ALHERTA	450941	1027	45	DASSFL MUN WATER TANK	450942	1034
12	HOLDINGFORD MUN WATER TANK	450941	1030	46	FOREST CITY ST GERTRUDES CHURCH CROSS	450942	1035
12	HOLDINGFORD ST HEDWICHS CHURCH CROSS	450941	1031	47	FRENCH LAKE OUR SAVIORS LUTH CH CROSS	450942	1036
13	LITTLE FALLS COURTHOUSE SPIRE	450941	1032	48	HOWARD LAKE MUN WATER TANK	450942	1037
14	LITTLE FALLS PINE TREE LUMBER CO STACK	450941	1033	48	HOWARD LAKE ST JAMES CHURCH CROSS	450942	1038
15	PIERZ CHURCH BUILDING DARK TOP	450941	1036	49	KIMBALL HIGHWAY PATROL RADIO TOWER	450942	1039
16	RICE POWERS GRAIN ELEVATOR	450941	1040	50	KIMBALL MUN WATER TANK	450942	1040
16	RICE PROTESTANT CHURCH	450941	1039	51	MAPLE LAKE CATHOLIC CHURCH	450942	1042
17	RICE CATHOLIC CHURCH SPIRE	450941	1038	51	MAPLE LAKE FLAGPOLE	450942	1043
18	ROYALTON CATHOLIC CHURCH SPIRE	450941	1041	51	MAPLE LAKE MUN WATER TANK	450942	1044
19	ROYALTON WATER TANK	450941	1043	52	MAPLE LAKE REA RADIO MAST	450942	1045
20	AIRPORT BEACON ALEXANDRIA MUNICIPAL AIRPORT	450951	1038	53	ST AUGUSTA ST MARYS CHURCH CROSS	450942	1047
20	ROYALTON OLD CATHOLIC CHURCH CROSS	450941	1042	54	ST NICHOLAS CATHOLIC CHURCH SOUTH SPIRE	450942	1048
21	ST CLOUD BREEN HOTEL CHIMNEY	450941	1045	55	ST PETERS LUTHERAN CHUPCH FINIAL	450942	1049
21	ST CLOUD CITY WATER WORKS STANDPIPE	450941	1048	56	WATKINS ST ANTHONY CHURCH CROSS	450942	1050
21	ST CLOUD STEARNS COUNTY COURTHOUSE DOME	450941	1058	57	WATKINS MUN WATER TANK	450942	1051
22	ST CLOUD CHILDRENS HOME CROSS	450941	1047	58	SWAN LAKE LUTHERAN CHURCH CROSS	450942	1052
23	ST CLOUD CATHOLIC CATHEDRAL TOWER	450941	1046	59	POT 1674+21.0 75.0	450943	1007
23	ST CLOUD TALL WHITE SMOKESTACK	450941	1059	60	ATWATER MUN WATER TANK	450943	1028
24	ST CLOUD OLD FOLKS HOME CUPOLA	450941	1050	61	EDEN VALLEY MUN WATER TANK	450943	1029
24	ST CLOUD OLD FOLKS HOME WATER TANK	450941	1051	62	HAWICK RURAL COOP POWER ASSN RADIO TOWER	450943	1032
25	ST CLOUD POWER PLANT SMOKESTACK	450941	1052	63	KANDIYOHU MUN WATER TANK	450943	1033
26	ST CLOUD RADIO STATION KFAM TOWER	450941	1053	64	KANDIYOHU ST PATRICKS CATH CH SPIRE	450943	1034
27	ST CLOUD ST REFORMATORY CONCRETE STANDPIPE	450941	1055	65	LAKE HENRY ST MARGARETS CH NORTH SPIRE	450943	1035
27	ST CLOUD STATE REFORMATORY FLAGPOLE	450941	1056	65	LAKE HENRY ST MARGARETS CH SOUTH SPIRE	450943	1036
27	ST CLOUD STATE REFORMATORY SMOKESTACK	450941	1057	66	LITCHFIELD FIRST DISTRICT ASSN STACK	450943	1037
28	ST CLOUD US VET HOSPITAL NO 101 WATER TANK	450941	1060	67	LITCHFIELD MUN WATER TANK	450943	1038
29	ST JOHNS UNVERSITY CHURCH SOUTH SPIRE	450941	1061	67	LITCHFIELD POWER PLANT STACK	450943	1039
29	ST JOHNS UNVERSITY CHURCH NORTH CROSS	450941	1062	68	MANANNAH CATHOLIC CHURCH CROSS	450943	1042
29	ST JOHNS UNVERSITY STACK	450941	1063	68	MANANNAH UNION CHURCH CROSS	450943	1041

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

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 by the  
 Coast and Geodetic Survey

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 QUADS 450941-2-3-4 & 450951-2-3-4  
 MINN  
 LATITUDE 45°00' TO 46°00'  
 LONGITUDE 94°00' TO 96°00'  
 DIAGRAM NL 15-7 SAINT CLOUD

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.	KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
69	NEW LONDON MUN WATER SPHERE	450943	1044	101	SEDAN PRESBYTERIAN CHURCH SPIRE	450951	1021
70	NORDLAND LUTHERAN CHURCH FINIAL	450943	1045	101	SEDAN PUBLIC SCHOOL STACK	450951	1022
71	PAYNESVILLE CREAMERY CO STACK	450943	1046	102	BELGRADE GERMAN LUTHFRAN CHURCH SPIRE	450952	1025
71	PAYNESVILLE MUN WATER TANK	450943	1047	102	BELGRADE MUN WATER TANK	450952	1003
71	PAYNESVILLE ST LOUIS CATH CH SPIRE	450943	1048	103	WILLMAR	450952	1022
72	RICHMOND MUN WATER TANK	450943	1049	103	WILLMAR MUNICIPAL WATER TANK	450952	1046
72	RICHMOND ST PETER AND PAUL CH CROSS	450943	1050	103	WILLMAR POWER PLANT STACK	450952	1048
73	ROSCOE ST AGNES CHURCH CROSS	450943	1051	103	WILLMAR VINJE LUTHERAN CHURCH SPIRE	450952	1052
74	SALEM EVANGELICAL UNITED BRETH CH SPIRE	450943	1052	104	BROOTEN CATHOLIC CHURCH CROSS	450952	1024
75	SPICER MUN WATER TANK	450943	1053	104	BROOTFN SAVIOURS LUTHERAN CHURCH SPIRE	450952	1023
76	ZION LUTHERAN CHURCH FINIAL	450943	1055	105	AIRPORT BEACON WILLMAR AIRPORT	450952	1001
77	FREEPORT	450944	1006	106	KERKHOVEN MUNICIPAL WATER TANK	450952	1029
77	STATE HIGHWAY SURVEY MARK NEAR FREEPORT	450944	1006	107	PRIAM GUNTER ELEVATOR CENTER LIGHT ROD	450952	1030
78	ALBANY CONSOLIDATED PRODUCTS CO STACK	450944	1021	108	PENNOCK GRAIN CO ELEVATOR CENTER LIGHT ROD	450952	1034
79	ALBANY MUN WATER TANK	450944	1022	108	PENNOCK MUNICIPAL WATER TANK	450952	1033
80	ALBANY RADIO STATION KASH MAST	450944	1023	109	RAYMUND MUNICIPAL WATER TANK	450952	1035
81	ALBANY SEVEN DOLORS CATHOLIC CHURCH CROSS	450944	1024	109	RAYMOND PEAVY EAST ELEVATOR VENTILATOR	450952	1036
82	FREEPORT MUN WATER TANK	450944	1026	109	RAYMOND ST JOHNS EVANGELICAL LUTH CH SPIRE	450952	1037
83	FREEPORT SACRED HEART CATHOLIC CHURCH SPIRE	450944	1027	110	SUNBURG W NORWAY LAKE NORWEG LUTH CH SPIRE	450952	1038
84	LONG PRAIRIE CATHOLIC CHURCH SPIRE	450944	1030	111	SVEA EV LUTHERAN CHURCH SPIRE	450952	1039
85	LONG PRAIRIE WATER TANK	450944	1031	112	WILLMAR GAS PLANT STACK	450952	1041
86	MEIRE GROVE CHURCH OF ST JOHN BELL TOWER	450944	1032	113	WILLMAR GREAT LAKES PIPE LINE RADIO MAST	450952	1042
87	MELROSE KRAFT FOODS CO STACK	450944	1033	114	WILLMAR GREAT NORTHERN R R SHOPS STACK	450952	1043
87	MELROSE ST BONIFACE CATHOLIC CHURCH N SPIRE	450944	1035	114	WILLMAR GREAT NORTHERN R R SHOPS TANK	450952	1044
88	MELROSE MUN WATER TANK	450944	1034	115	WILLMAR LUTHFRAN FREE CHURCH SPIRE	450952	1045
89	NEW MUNICH IMMAC CONCEP CATH CH S SPIRE	450944	1036	116	WILLMAR NEW MUN WATER TANK	450952	1047
89	NEW MUNICH MUN WATER TANK	450944	1037	117	WILLMAR RADIO STATION KWLM MAST	450952	1049
90	ST ANTHONY CATHOLIC CHURCH SPIRE	450944	1038	118	WILLMAR STATE HOSPITAL STACK	450952	1050
91	ST MARTIN CATHOLIC CHURCH SPIRE	450944	1039	118	WILLMAR STATE HOSPITAL TANK	450952	1051
92	SAUK CENTRE OUR LADY OF THE ANGELS CHURCH	450944	1041	119	HAM MHD	450941	1089
93	SAUK CENTRE STATE INDUS HOME FOR GIRLS TANK	450944	1042	119	ST CLOUD MICROWAVE TOWER	450941	1089
94	SAUK CENTRE ST PAULS CATHOLIC CHURCH SPIRE	450944	1042	121	ELBOW LAKE COURTHOUSE SPIRE	450954	1013
95	ALEXANDRIA CATHOLIC CHURCH SPIRE	450951	1010	121	ELBOW LAKE MUNICIPAL WATER TANK	450954	1014
96	ALEXANDRIA COURTHOUSE SPIRE	450951	1011	121	ELBOW LAKE WATER TOWER	450954	1012
96	ALEXANDRIA LIGHT AND POWER CO STACK	450951	1012	122	CHIPPEWA LUTH CH CR WHITE SPIRE	450954	1007
96	ALEXANDRIA MUNICIPAL WATER TANK	450951	1037	123	ST PETRI LUTH CH CR WHITE SPIRE	450954	1010
96	ALEXANDRIA POWER AND LIGHT SHORT STACK	450951	1013	124	KASH MHD	450944	1052
96	ALEXANDRIA POWER AND LIGHT TALL STACK	450951	1013	125	BLENK MHD	450944	1053
96	ALEXANDRIA WATER TOWER	450951	1036	126	HIMSL' MHD	450941	1085
98	BROOTEN MUNICIPAL WATER TANK	450951	1014	128	LUXEMBURG ST WENDELS CHURCH CROSS	450942	1041
99	OSAKIS LOW CHURCH SPIRE	450951	1018	129	ORANGE AZIMUTH MARK MHD	450951	1031
99	OSAKIS MUNICIPAL WATER TANK	450951	1016	130	ORANGE MHD	450951	1031
99	OSAKIS WATER TOWER	450951	1019	131	ST ANNA IMMACULATE CONCEPTION CHURCH CROSS	450941	1045
100	OSAKIS TALL CHURCH SPIRE	450951	1017				
101	SEDAN IMMACULATE CONCEP CATH CH SPIRE	450951	1020				