



Base prepared by the Army Map Service (AMS), Corps of Engineers, Washington, D. C. Compiled in 1955 by photogrammetric methods and from South Dakota, 1:25,000, USGS, Oliver, Parker, Canton, 1898-97. Planimetric detail revised by photo-planimetric methods. Horizontal and vertical control by USGS and CE. Photography field annotated 1955.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS
 — S. DAKOTA SOUTH — IOWA NORTH
 — MINNESOTA SOUTH

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

PLANE COORDINATE ZONES
 S. DAKOTA SOUTH IOWA NORTH
 S. DAKOTA SOUTH MINNESOTA SOUTH

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

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
 Standard gauge
 Narrow gauge
 International
 State
 County
 Park or reservation

LANDMARKS: School; Church; Other - 4 + 4
 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

43	097	4	43	097	1	43	096	4	43	096	1
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COUNTY DESIGNATIONS

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GEOLOGICAL SURVEY FIFTEEN MINUTE QUADRANGLE DESIGNATION

15	Hutton	80	Sioux Falls	255	Sioux Falls
16	Albion	81	Hartford	256	Hartford
17	Brentford	82	Humboldt	257	Humboldt
18	Isaac	83	Rock Rapids	258	Rock Rapids
19	Marion	84	Spencer	259	Spencer
20	Scotland	85	Alexandria No. 3	260	Alexandria
21	Olivet No. 3	110	Ithaca	278	Ithaca
48	Canton	111	Carlisle	279	Carlisle
49	Lemmon	112	Chandler	280	Chandler
50	Parker	113	Lake Madison	21	La Verne
51	Fairman	114	Unionville	22	Hills
52	Clayton	115	Canova	43	Edgerton
53	Olivet No. 2	116	Fairwell	44	Ihlen

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.

SIoux FALLS, S. DAK. IOWA, MINN. (NK 14-3)
 FEBRUARY 1963

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

KEY NO.	STATION NAME	QUAD NO.	STATION NO.
1.	WILSON 2 WILSON (S DakGS)		
2.	SHERMAN SHERMAN (S DakGS)		
3.	SIOUX FALLS, WELL NO 8		
4.	SIOUX FALLS, WELL NO 5		
5.	SIOUX FALLS, WELL 4 SIOUX FALLS, WELL NO 4, VENTILATOR SIOUX FALLS, WELL NO 10		
6.	SIOUX FALLS, WELL NO 9		
7.	SIOUX FALLS, WELL NO 3		
8.	SIOUX FALLS, WATER WORKS, STACK		
9.	SIOUX FALLS, PENITENTIARY, SHORT STACK SIOUX FALLS, PENITENTIARY, TALL STACK		
10.	SIOUX FALLS JOHN MORRELL & CO, NORTH STACK SIOUX FALLS, JOHN MORRELL & CO, SOUTH STACK		
11.	PARK PARK (S DakGS)		
12.	SIOUX FALLS, FRANKLIN SCHOOL, STACK SIOUX FALLS, PRESBYTERIAN CHURCH		
13.	SIOUX FALLS, WHITTIER SCHOOL, STACK		
14.	STAD SIOUX FALLS, MUNICIPAL TANK (LEWIS AVE & E, 10TH ST) SIOUX FALLS, SOUTH DAKOTA SCHOOL FOR DEAF, STACK SIOUX FALLS, BANCROFT SCHOOL, STACK		
15.	SIOUX FALLS, McKENNA HOSPITAL, STACK SIOUX FALLS, LONGFELLOW SCHOOL, STACK		
16.	SIOUX FALLS, MUNICIPAL WATER TANK (CLIFF AVE & 26TH ST)		
17.	SIOUX FALLS, MAIN AVE TANK		
18.	SIOUX FALLS, SIOUX FALLS BREWING CO, STACK SIOUX FALLS, COURTHOUSE		
19.	SIOUX FALLS, ST JOSEPHS CATHEDRAL SCHOOL, STACK SIOUX FALLS, HAWTHORNE SCHOOL, STACK SIOUX FALLS, ST. JOSEPHS CATHEDRAL, NORTH SPIRE SIOUX FALLS, MUNICIPAL STANDPIPE (PRAIRIE AVE.) SIOUX FALLS, ST. JOSEPHS CATHEDRAL, SOUTH SPIRE		
20.	SIOUX FALLS, FIRST BAPTIST CHURCH, CROSS SIOUX FALLS, FIRE STATION		
21.	SIOUX FALLS, FIRST LUTHERAN CHURCH, SPIRE SIOUX FALLS, FIRST METHODIST CHURCH, CROSS SIOUX FALLS, WASHINGTON HIGH SCHOOL, STACK		
22.	SIOUX FALLS, ALL SAINTS SCHOOL, CUPOLA		
23.	SIOUX FALLS, MARK TWAIN SCHOOL, STACK		
24.	SIOUX FALLS, AUGUSTANA COLLEGE, STACK SIOUX FALLS, AUGUSTANA COLLEGE, CUPOLA		
25.	SIOUX FALLS, SIOUX FALLS COLLEGE, STACK		
26.	SIOUX FALLS, LOWELL SCHOOL, STACK		
27.	HOSPITAL SIOUX FALLS, SIOUX VALLEY HOSPITAL, STACK SIOUX FALLS, MEMIO AVE. TANK		
28.	SIOUX FALLS, EMERSON SCHOOL STACK		
29.	SIOUX FALLS, RADIO STATION K500, MAST SIOUX FALLS, RADIO STATION K15D, MAST		
30.	SIOUX FALLS, COLUMBUS COLLEGE, STACK		

KEY NO.	STATION NAME	QUAD NO.	STATION NO.
31.	SIOUX FALLS, NORTHERN STATES POWER CO, STACK		
32.	ORANGE CITY MUNICIPAL WATER TANK, FINIAL ORANGE CITY, COUNTY COURTHOUSE, FINIAL		
33.	SIOUX CENTER, FIRST REFORMED CHURCH, SPIRE		
34.	SIOUX CENTER, MUNICIPAL WATER TANK, FINIAL		
35.	HULL, MUNICIPAL WATER TANK		
36.	BOYDEN, MUNICIPAL WATER TANK, FINIAL		
37.	ROCK VALLEY, CHRISTIAN REFORMED CHURCH, STEEPLE		
38.	BERESFORD, TANK BERESFORD, EVANGELICAL LUTHERAN CHURCH, SPIRE		
39.	BM U 326 UM S 326		
40.	CANTON, CANTON INWOOD HOSPITAL, WATER TANK		
41.	CANTON, AUGUSTANA ACADEMY, BELFRY		
42.	CANTON, COUNTY COURTHOUSE, CLOCK TOWER		
43.	BM Q 326		
44.	OMAHA-BISMARCK AIRWAY BEACON NO 15		
45.	ROCK RAPIDS, MUNICIPAL WATER TANK		
46.	ROCK RAPIDS, MUNICIPAL PUBLIC UTILITIES, STACK		
47.	SPRINGDALE, LUTHERAN CHURCH, STEEPLE		
48.	SIOUX FALLS, RADIO STATION KELO, SE MAST SIOUX FALLS, RADIO STATION KELO, 2nd MAST SIOUX FALLS, RADIO STATION KELO, 3rd MAST SIOUX FALLS, RADIO STATION KELO, NW MAST		
49.	LIVERNE, MUNICIPAL WATER TANK		
50.	LIVERNE, POWER & LIGHT CO, PLANT STACK		
51.	GARRETSON, CONGREGATIONAL CHURCH, SHORT STEEPLE		
52.	BALTIC, EAST NIDARUS CHURCH, STEEPLE		
53.	CROOKS, CHURCH STEEPLE, 1/2 MILE CROOKS, SWEDISH LUTHERAN CHURCH, SPIRE		
54.	BALTIC, MUNICIPAL WATER TANK		
55.	COLTON, CHURCH STEEPLE, BLACK TOP, WHITE BOTTOM		
56.	WILLOW CREEK LUTHERAN CHURCH, SPIRE		
57.	ST JOSEPH CATHOLIC CHURCH, STEEPLE		
58.	DELL RAPIDS, ODD FELLOWS HOME, CHIMNEY		
59.	WENTWORTH, ST PETERS LUTHERAN CHURCH, STEEPLE		
60.	COLMAN, MUNICIPAL WATER TANK, FINIAL		
61.	PIPESTONE, COURTHOUSE, STATUTE ATOP DOME		
62.	WAKONDA, COURTHOUSE, CUPOLA WAKONDA, TANK		
63.	T100N, R55W, SEC 16, NW CORNER		
64.	T100N, R57W, SEC 17, NW CORNER		
65.	GERMAN BAPTIST CHURCH, SPIRE		
66.	BRIDGEWATER, CHURCH NO 1, SPIRE BRIDGEWATER, CHURCH NO 2, SPIRE		

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 by the
 Coast and Geodetic Survey

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 QUADS 430961-2-3-4 & 430971-2-3-4
 IOWA-MINN-S DAK
 LATITUDE 43°00' TO 44°00'
 LONGITUDE 96°00' TO 98°00'
 DIAGRAM NK 14-3

KEY NO.	STATION NAME	QUAD NO.	STATION NO.
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| 67. | ALEXANDRIA, BELFRY ON LARGE BUILDING, SMALL & OPEN
ALEXANDRIA, COURTHOUSE DOME
ALEXANDRIA, BAPTIS CHURCH, SPIRE | | |
| 68. | CANISTOTA, ELEVATOR CUPOLA, HIGHEST & ONLY RED ONE
CANISTOTA, HIGHEST WHITE SPIRE
CANISTOTA, GREY ELEVATOR, NORTH GABLE
CANISTOTA, HIGH CHURCH SPIRE, NEAR ELEVATOR
CANISTOTA, WATER TANK, WHITE ROOF | | |
| 69. | T103N, R55W, SEC 21, NW CORNER | | |
| 70. | AUXILIARY STATION NEAR FARMER | | |
| 71. | FARMER, CATHOLIC CHURCH, SPIRE | | |
| 72. | SALEM, SCHOOLHOUSE DOME
SALEM, WATER TANK | | |
| 73. | SALEM, ST MARYS CHURCH, SPIRE | | |
| 74. | T105N, R55W, SEC 20, NE CORNER | | |
| 75. | WINFRED, CHURCH SPIRE
WINFRED, ELEVATOR | | |
| 76. | SIoux FALLS, RADIO STATION KIHO, SSW MAST
SIoux FALLS, RADIO STATION KIHO, 3rd MAST
SIoux FALLS, RADIO STATION KIHO, 2nd MAST
SIoux FALLS, RADIO STATION KIHO, NNE MAST
SIoux FALLS, VETERANS ADMINISTRATION HOSPITAL, WATER TANK | | |

KEY NO.	STATION NAME	QUAD NO.	STATION NO.
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