

PRODUCED BY THE U. S. GEOLOGICAL SURVEY
 Base map prepared by Defense Mapping Agency by photogrammetric methods and from 1:125,000-scale maps dated 1896-97. Field checked 1955. Revised by the U. S. Geological Survey from aerial photographs taken 1979 and other source data. Revised information not field checked. Map edited 1980.
 Transverse Mercator Projection, 10,000-meter Universal Transverse Mercator grid, zone 14. 100,000-foot grid ticks based on South Dakota coordinate system, south zone; Iowa coordinate system, north zone; and Minnesota coordinate system, south zone. 1927 North American Datum. To place on the predicted North American Datum 1983, move the projection lines 6 meters north and 32 meters east.
 Location of geoid control established by government agencies is shown on corresponding 1:250,000-scale Geoidetic Control Diagram.
 There may be private inholdings within the boundaries of the National or State reservations shown on this map.

LEGEND

Figures in red denote approximate distances in miles between stars

POPULATED PLACES

Over 500,000
 100,000 to 500,000
 25,000 to 100,000
 5,000 to 25,000
 1,000 to 5,000
 Less than 1,000

ROADS

Primary, all-weather, hard surface
 Secondary, all-weather, hard surface
 Light-duty, all-weather, hard or improved surface
 Fair or dry weather, unimproved surface
 Trail
 Interchange
 Sun Valley Route markers: Interstate, U.S., State

RAILROADS

Normal gauge
 Single track
 Double or multiple track
 Landplane airport
 Landing area
 Seaplane airport
 Seaplane anchorage
 Park or reservation

BOUNDARIES

International
 State
 County

Other Symbols

Mine
 Landmark: School, Church, Other
 Spot elevation in feet
 Marsh or swamp
 Intermittent or dry stream
 Power line

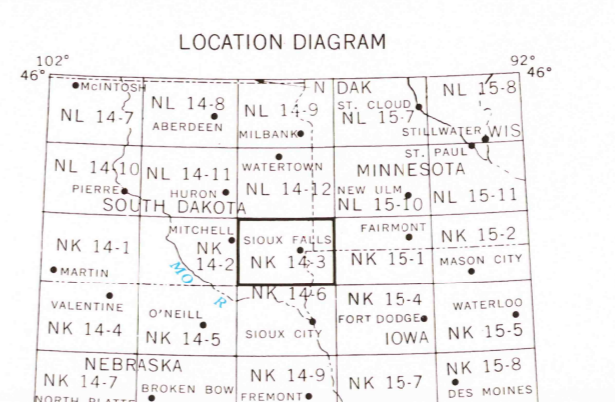
Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles
 0 5 10 15 20 25 30 Kilometers
 0 5 10 15 20 25 Nautical Miles

CONTOUR INTERVAL 50 FEET
 WITH SUPPLEMENTARY CONTOURS AT 25 FOOT INTERVALS

1980 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 8° (140 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 64° (120 MILES) EASTERLY FOR THE CENTER OF THE EAST EDGE

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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

GRID ZONE DESIGNATION
 100,000 M. SQUARE IDENTIFICATION
 14T
 PD 00
 NC PC QC

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS

SAMPLE POINT: PUPPION CREEK

1. Read letters identifying 100,000 meter square in which the point lies.
 2. Locate first HORIZONTAL grid line to LEFT of point and read LARGE figure labeling margin, or on the line itself.
 3. Locate first VERTICAL grid line below point and read LARGE figure labeling the line either in the left or right margin, or on the line to point.
 4. Estimate tenths from grid line to point.

SAMPLE REFERENCE
 P95422
 11P05422

1955
 REVISION 1980

U.S. GEOLOGICAL SURVEY
 HISTORICAL FILE
 METRIC MAPPING DIVISION

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