UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MINNESOTA
DEPARTMENT OF ADMINISTRATION

VALLEY SPRINGS QUADRANGLE
SOUTH DAKOTA – MINNESOTA – IOWA
7.5 MINUTE SERIES (TOPOGRAPHIC)

6671 II NE (GARRETSON WEST)
6771 III NW (GARRETSON EAST)
6671 III NE (HILLS NE)
6671 II SE (BRANDON)
6771 III SE (HILLS)
6671 I NE (KLONDIKE)
6670 I NE
6670 IV NW (LARCHWOOD)
6770 IV NW (LESTER)

96°30′ — 43°37′30″ — 96°22′30″ — 43°37′30″
702 000m E. — 3 020 000 FEET (S. DAK.) — 706 — 708 — 710 — 1 370 000 FEET (MINN.)
4833 000m N. — 4832 — 4830 — 4829 — 4828 — 4827 — 4826 — 4825 — 4824 — 4823 — 4822 — 4821 — 4820 000m N.
490 000 FEET (S. DAK.) — 220 000 FEET (MINN.) — 460 000 FEET (S. DAK.) — 200 000 FEET (MINN.)
T. 102 N. — T. 101 N.
32′30″ — 35′

GARRETSON 7 MI.
PIPESTONE 29 MI.
JASPER 18 MI.
R. 47 W. — R. 46 W. — R. 48 W.
SIOUX FALLS (I-229) 10 MI.
BRANDON INTERCHANGE 3.5 MI.
SIOUX FALLS (CH.) 14 MI.
BRANDON 4.4 MI.
BEAVER CREEK 0.5 MI.
WORTHINGTON 39 MI.
LUVERNE INTERCHANGE 6 MI.
WORTHINGTON INTERCHANGE 38 MI.
ROWENA 3.2 MI.
HILLS 0.9 MI.
6 MI. TO U.S. 75
I.6 MI. TO S. DAK. 38
LARCHWOOD 3.3 MI.

SOUTH DAKOTA
MINNESOTA
MINNEHAHA CO.
ROCK CO

RED ROCK
BEAVER CREEK
VALLEY SPRINGS
MARTIN

Valley Springs (BM 1392)
Manley
Bruce
Benclare
Pleasant View Cem
Nerison Cem
Sewage Disposal Pond
Gravel Pit
Gravel Pits
BM 1413
BM 1460
BM 1479
BR 1388
BR 1354
BR 1383
BR 1446

Beaver Creek
Great Northern
Northern Springwater
Fourmile Creek
Blood Run
Chicago and North Western
Chicago Illinois and Central

MINN.
QUADRANGLE LOCATION

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1980

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1965. Field checked 1967

Polyconic projection. 1927 North American datum
10,000-foot grids based on Minnesota coordinate system, south zone, and South Dakota coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

To place on the predicted North American Datum 1983 move the projection lines 7 meters north and 26 meters east as shown by dashed corner ticks

Map photoinspected 1978
No major culture or drainage changes observed

UTM GRID AND 1967 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
GN — MN — 1°46′ 31 MILS — 8½° 151 MILS

SCALE 1:24 000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND BY THE IOWA GEOLOGICAL SURVEY, IOWA CITY, IOWA 52240
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
Interstate Route — U. S. Route — State Route

VALLEY SPRINGS, S. DAK.–MINN.–IOWA
N4330–W9622.5/7.5

1967
PHOTOINSPECTED 1978
DMA 6771 III SW–SERIES V872

NOV 18 1980
USGS Historical File Topographic Division
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