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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MANFRED SE QUADRANGLE
NORTH DAKOTA-WELLS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 MANFRED 15' QUADRANGLE

(MANFRED NW) (FESSENDEN WEST)

99°52'30" 50' 47'30" 99°45'
47°37'30" 47°37'30"

1.5 MI. TO U.S. 52 (MANFRED) R. 72 W. R. 71 W. 2180000 FEET 1.5 MI. TO U.S. 52

220000 FEET

T. 148 N.
T. 147 N.

35'

(MANFRED SW) (FESSENDEN SW)

Eddy School No 1
Eddy School No 3
Eddy School No 4
Menonite Ch
Menonite Gem
STATE GAME REFUGE
BM 1653
BM 1677
BM 1674
BM 1710
BM 1790
BM 1735
BM 1704

RUSLAND
DELGER
CHASELEY
HAALAND
MONTANA
DAKOTA
WESTONARIO

32'30"

190000 FEET

2.4 MI. TO NORTH DAKOTA 3
6.7 MI. TO U.S. 52
CHASELEY 3.4 MI

T. 147 N.
T. 146 N.
47°30'
99°52'30"
2160000 FEET
50'
47'30"
R. 72 W. R. 71 W.
99°45'

Mapped, edited, and published by the Geological Survey
as part of the Department of the Interior program
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Culture and drainage in part compiled from
aerial photographs taken 1940
Topography by plane-table methods 1948-1949

Polyconic projection. 1927 North American datum
10,000-foot grid based on North Dakota coordinate system,
north zone

12°
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN
DECLINATION, 1949

SCALE 1:24000

1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER

CONTOUR INTERVAL 5 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION

HARD-SURFACE ALL WEATHER ROADS		DRY WEATHER ROADS	
Heavy-duty	4 LANE 6 LANE	Improved dirt	
Medium-duty	4 LANE 6 LANE	Unimproved dirt	
Loose-surface, graded, or narrow hard-surface			

U. S. Route State Route

MANFRED SE, N. DAK.
SE/4 MANFRED 15' QUADRANGLE
N4730—W9945/7.5

EDITION OF 1950

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS Historical File Topographic Division

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