



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MANDAN QUADRANGLE
NORTH DAKOTA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 BISMARCK 15' QUADRANGLE

Maped, edited, and published by the Geological Survey in cooperation with State of North Dakota, Water Conservation Commission

Control by USGS and USC&GS

Planimetry by photogrammetric methods from aerial photographs taken 1948. Topography by planetable surveys 1949. Revised 1962

Polyconic projection. 1927 North American datum

10,000-foot grid based on North Dakota coordinate system, south zone 1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue

Red tint indicates areas in which only landmark buildings are shown

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

UTM GRID AND 1976 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

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 STATE WATER COMMISSION, BISMARCK, NORTH DAKOTA 58501
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple compiled from aerial photographs taken 1976. This information not field checked

Purple tint indicates extension of urban areas

ROAD CLASSIFICATION

Heavy-duty — Light-duty
Medium-duty — Unimproved dirt

U.S. Route — State Route
Interstate Route

USGS
Historical File
Topographic Division

MANDAN, N. DAK.
SW/4 BISMARCK 15' QUADRANGLE
N4645—W10052.5/7.5

1962
PHOTOREVISED 1976
AMS 5877 IV SW—SERIES V871

JUL 06 1978

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