UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAKE TSCHIDA WEST QUADRANGLE

NORTH DAKOTA–GRANT CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 HEART BUTTE 15' QUADRANGLE

5677 II NE (CLARK BUTTE NE)
5677 III NW (HEART BUTTE NW)
5677 III NE (HEART BUTTE)
5677 II SE (CLARK BUTTE)
5677 III SE (LAKE TSCHIDA EAST)
5676 IV NW (NEW LEIPZIG NORTH)
5676 IV NE (ELGIN)
5676 I NE (NORTH STAR BUTTE)

HEART BUTTE RESERVOIR
STATE GAME MANAGEMENT AREA
LAKE TSCHIDA
ELEVATION 2064
HEART RIVER
Spring Creek
Coal Creek
Sled Creek
Stone Hills
Picnic Area
Rattlesnake Point
Prospects
Johannestal Cem
Trinity Ch
LEIPZIG
Schultz Creek
Spring
BM 2269
BM 2384
WC 2100

18 MI. TO N. DAK. 8
ELGIN 14 MI.
NEW LEIPZIG 9 MI.

T 136 N
T 135 N

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1974. Field checked 1975. Map edited 1980

Projection and 10,000-foot grid ticks: North Dakota coordinate system, south zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid, zone 14
1927 North American datum
To place on the predicted North American Datum 1983 move the projection lines 5 meters north and 36 meters east as shown by dashed corner ticks

Areas covered by dashed light-blue pattern are subject to controlled inundation

Fine red dashed lines indicate selected fence lines

There may be private inholdings within the boundaries of the National or State reservations shown on this map

GN MN 2°08' 38 MILS 11½° 204 MILS
UTM GRID AND 1980 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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

NORTH DAKOTA
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Primary highway, hard surface
Secondary highway, hard surface
Light-duty road, hard or improved surface
Unimproved road
Interstate Route U. S. Route State Route

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

LAKE TSCHIDA WEST, N. DAK.
SW/4 HEART BUTTE 15' QUADRANGLE
N4630—W10152.5/7.5
1980
DMA 5677 III SW—SERIES V871

1900
NOV 17 1980
USGS
Historical File
Topographic Division

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