UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MINNESOTA
DEPARTMENT OF ADMINISTRATION

WOMAN LAKE QUADRANGLE
MINNESOTA—CASS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

7178 III SW (JACK LAKE)
7178 III SE (WHIPHOLT)
7178 II SW (TOWN LINE LAKE)
7177 IV NW (WEBB LAKE)
7177 I NW (LONGVILLE)
7177 IV SW (MILDRED)
7177 I SW (STEWART LAKE)

94° 22′ 30″ — 94° 15′ — 47° 00′ — 46° 52′ 30″
396000m E. — 397 — 398 — 20′ — 399 — 401 — R. 29 W. 17′ 30″ — 1 990 000 FEET — 403 — R. 28 W. — 404 — 404000m E.
5205000m N. — 5205 — 5204 — 5203 — 720 000 FEET — 5202 — 57′ 30″ — 5201 — 5200 — 5198 — 5197 — 55′ — 5196 — 5195 — 690 000 FEET — 5194 — 5193 — 5192000m N.
T. 141 N. — T. 140 N. — T. 139 N.

CHIPPEWA NATIONAL FOREST
PINE LAKE
KEGO
WOODROW
PONTO LAKE
BLIND LAKE
WOMAN LAKE
BLACK WATER LAKE
BABY LAKE
Moccasin Lake
Goose Lake
Hazel Lake
Carnahan Lake
Broadwater Bay
Barnum Lake
Man Lake
Primmer Lake
McKeown Lake
Barrow Lake
Child Lake
Squaw Lake
Kerr Lake
Pick Lake
Bungey Bay
Pancake Lake
IXL Lake
Widow Lake
Hunters Bay
Big Deep Lake
Little Deep Lake
Sand Lake
Island Lake
Long Lake No 2
Ponto Lake
Rush Lake
Mule Lake
Little Mule Lake
Buck Lake
Wabedo Lake
Eagle Lake
Hay Lake
Horseshoe Island
Seaplane Base
Public Access
Gravel Pits
BM 1337
BM 1376
BM 1354
BM 1343
FOREST BOUNDARY
GREATER LEECH LAKE INDIAN RES HDY
LONGVILLE 2.4 MI.
HACKENSACK 8 MI.
LONGVILLE 4.8 MI., 10 MI. TO MINN. 200
PONTORIA 2 MI., PINE RIVER 14 MI. (LAKE ADA) 7177 IV SE

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1968. Field checked 1970

Hydrography compiled from information furnished by Minnesota Department of Conservation

Polyconic projection. 1927 North American datum
10,000-foot grid based on Minnesota coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue

To place on the predicted North American Datum 1983 move the projection lines 7 meters north and 19 meters east as shown by dashed corner ticks

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

UTM GRID AND 1970 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
GN — MN — 0°57′ 17 MILS — 6° 107 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, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MINN. — 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

USGS
Historical File
Topographic Division

WOMAN LAKE, MINN.
N4652.5—W9415/7.5
1970
AMS 7177 IV NE—SERIES V872

SEP 26 1980
1460

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1980