UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAKE INSULA QUADRANGLE
MINNESOTA–LAKE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 FOREST CENTER 15' QUADRANGLE

7780 III SW (ENSIGN LAKE WEST) · 7780 III SE (ENSIGN LAKE EAST) · 7780 II SW (KEKEKABIC LAKE)

91°22'30" · 48°00' · 20' · 17'30" · 91°15' · 2 450 000 FEET · 550 000 FEET

Ahsub Lake · Magnet L · Alworth Lake · Thomas Lake · Bullrush Lake · Vivid Lake · Birdseye Lake · Disappointment Mountain · Rapids · Old Pines Trail · Kobe Lake · Moiyaka Lake · Muzzle Lake · Medas Lake · Lulu Lake · Lake Disappointment · Drumstick Lake · Sable Lake · Portage · Kiana Lake · Coon Lake · Beam Lake · Fall Lake · Jut Lake · Rechne Lake · Benezie Lake · Drumstick Creek · Fast Lake · Blinker Lake · Starlight Lake · Cache Lake · Lake Carol · Superior National Forest · Hood Lake · Museum Lake · Boundary Waters Canoe Area Wilderness · Williamson Island · Kawishiwi River · Insula Lake · Fire Lake · Drag L · Brunch Lake · The Rock · Hudson Lake · Portage Rapids River · Tremolo Lake · Insula Lake State Forest · Zitkala Lake · Almoon Creek · Stony River · Tornado Lake · Crystal Bay · Promise Lake · Indefinite Boundary

T 63 N · T 62 N · R 8 W · R 7 W · 510 000 FEET

47°52'30" · 91°22'30" · 2 430 000 FEET · (ISABELLA LAKE) 7779 IV SE · 17'30" · 91°15'

(QUADGA LAKE) 7779 IV SW · (PERENT LAKE) 7779 I SW · 7779 IV NW (SNOWBANK LAKE) · 7779 I NW (ALICE LAKE)

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1986

Mapped, edited, and published by the Geological Survey

Control by USGS, NOS/NOAA

Planimetry by photogrammetric methods from aerial photographs taken 1976. Topography by photogrammetric methods from aerial photographs taken 1956. Revised from aerial photographs taken 1977. Field checked 1978. Map edited 1981

Hydrography compiled from information furnished by Minnesota Department of Natural Resources

Projection and 10,000-foot grid ticks: Minnesota coordinate system, north zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid, zone 15
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 5 meters north and 12 meters east as shown by dashed corner ticks

MN · GN · ½° · 9 MILS · 1°15' · 22 MILS

UTM GRID AND 1986 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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

SCALE 1:24 000

1 · ½ · 0 · 1 MILE
1000 · 0 · 1000 · 2000 · 3000 · 4000 · 5000 · 6000 · 7000 FEET
1 · .5 · 0 · 1 KILOMETER

CONTOUR INTERVAL 20 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

Revisions shown in purple compiled from aerial photographs taken 1981 and other source data. Partial field check by U. S. Forest Service. Map edited 1986

ROAD CLASSIFICATION

Trails

LAKE INSULA, MINN.
NE/4 FOREST CENTER 15' QUADRANGLE
47091–H3–TF–024

1981
PHOTOREVISED 1986
DMA 7779 IV NE–SERIES V872

USGS NMD HISTORICAL MAP
AUG 19 1986
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