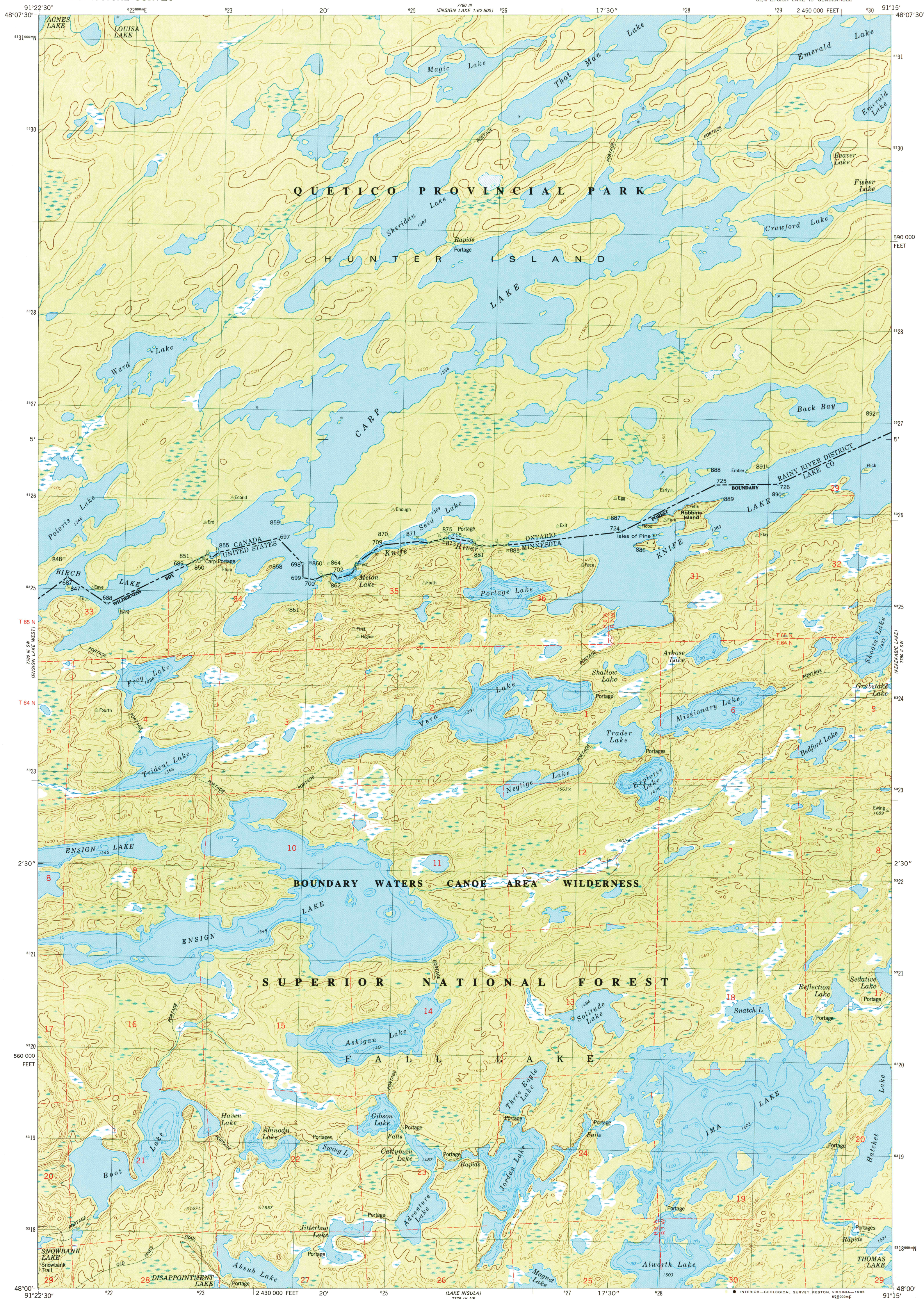
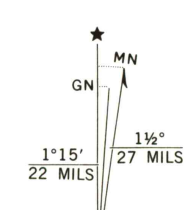


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ENSIGN LAKE EAST QUADRANGLE
MINNESOTA-ONTARIO
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 ENSIGN LAKE 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey
Control by USGS, NOS/NOAA, and International Boundary Commission
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
Canadian portion copied from Knife Lake quadrangle
(1:50 000) 1969, Department of Energy, Mines, and Resources
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 4 meters north and
12 meters east as shown by dashed corner ticks



SCALE 1:24 000
1 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 5 10 KILOMETER
CONTOUR INTERVAL 20 FEET IN THE UNITED STATES AND 50 FEET IN CANADA
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THE U. S. PORTION OF 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



QUADRANGLE LOCATION
Map photoinspected 1986
No major culture or drainage changes observed

ROAD CLASSIFICATION
Trails

ENSIGN LAKE EAST, MINN.-ONT.
SE/4 ENSIGN LAKE 15' QUADRANGLE
48091-A3-TF-024

1981
PHOTOINSPECTED 1986
DMA 7780 III SE-SERIES V872

