UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MINNESOTA
DEPARTMENT OF ADMINISTRATION

ASH RIVER NE QUADRANGLE
MINNESOTA—ST. LOUIS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

7481 II SW (SOLDIER POINT) · 7481 III SE (KEMPTON BAY) · 7481 II SW (KETTLE FALLS)

92°52′30″ · 48°30′ · 92°45′ · 48°22′30″ · 47′30″ · 27′30″ · 25′

T. 70 N. · T. 69 N. · T. 68 N.

R. 20 W. 50′ · R. 19 W.

2 080 000 FEET · 720 000 FEET · 690 000 FEET

5371 000m N. · 510 000m E.

Little Shoepack Lake · Jorgens Lake · Quarter Line Lake · Campsite · Ek (Leif) Lake · Eks Bay · Agnes Lake · Cruiser Lake · Mud Lake · VOYAGEURS NATIONAL PARK · LOST BAY · Long Slough · Round Bear Island · Lost Lake · Portage · Kohler Bay · Indian Point · Cemetery Island · Sexton Island · Lone Squaw Island · Ziski Island · Sweetnose Island · Williams Island · Big Sky Island · NAMAKAN LAKE · NORMAL RESERVOIR POOL ELEV 1119 FEET · Blind Indian Narrows · KABETOGAMA LAKE · NORMAL RESERVOIR POOL ELEVATION 1119 FEET · Ranger Station · Public Access · Blind Ash Bay · Old Dutch Bay · Moose Bay · Hoist Bay · SULLIVAN BAY · PORTAGE · Tower · FOREST BOUNDARY · Public Access · Ash River Campground · Ash River Lookout Tower · JEEP TRAIL · TRAIL · ASH RIVER · KABETOGAMA STATE FOREST · Ash River Falls · Campsite · Ash Camp · Ninety Cr. · Granary Creek · ASH RIVER · CUSSON (U.S. 53) 26 MI. · 7 MI. TO U.S. 53

7480 IV NW (DALEY BAY) · 7480 I NW (NAMAKAN ISLAND) · (ASH RIVER SW) 7480 IV SW · (MARION LAKE) 7480 I SW · (ASH RIVER SE) 7480 IV SE

SCALE 1:24 000

1 MILE · 7000 FEET · 1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION
Light-duty road, all weather, improved surface
Unimproved road, fair or dry weather

MN · GN · 0°08′ 2 MILS · 3° 53 MILS
UTM GRID AND 1983 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

MINN. — QUADRANGLE LOCATION

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1966 and 1968. Field checked 1968

Depth curves compiled from chart furnished by Minnesota Department of Conservation

Polyconic projection. 1927 North American datum
10,000-foot grid based on Minnesota coordinate system, north 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 5 meters north and 14 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

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

Revisions shown in purple compiled from aerial photographs taken 1981 and other sources
This information not field checked. Map edited 1983

ASH RIVER NE, MINN.
N4822.5—W9245/7.5

1968
PHOTOREVISED 1983
DMA 7480 IV NE—SERIES V872

DEC 30 1983
RETURN TO:
USGS NMD HISTORICAL MAP ARCHIVES

● INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1983