

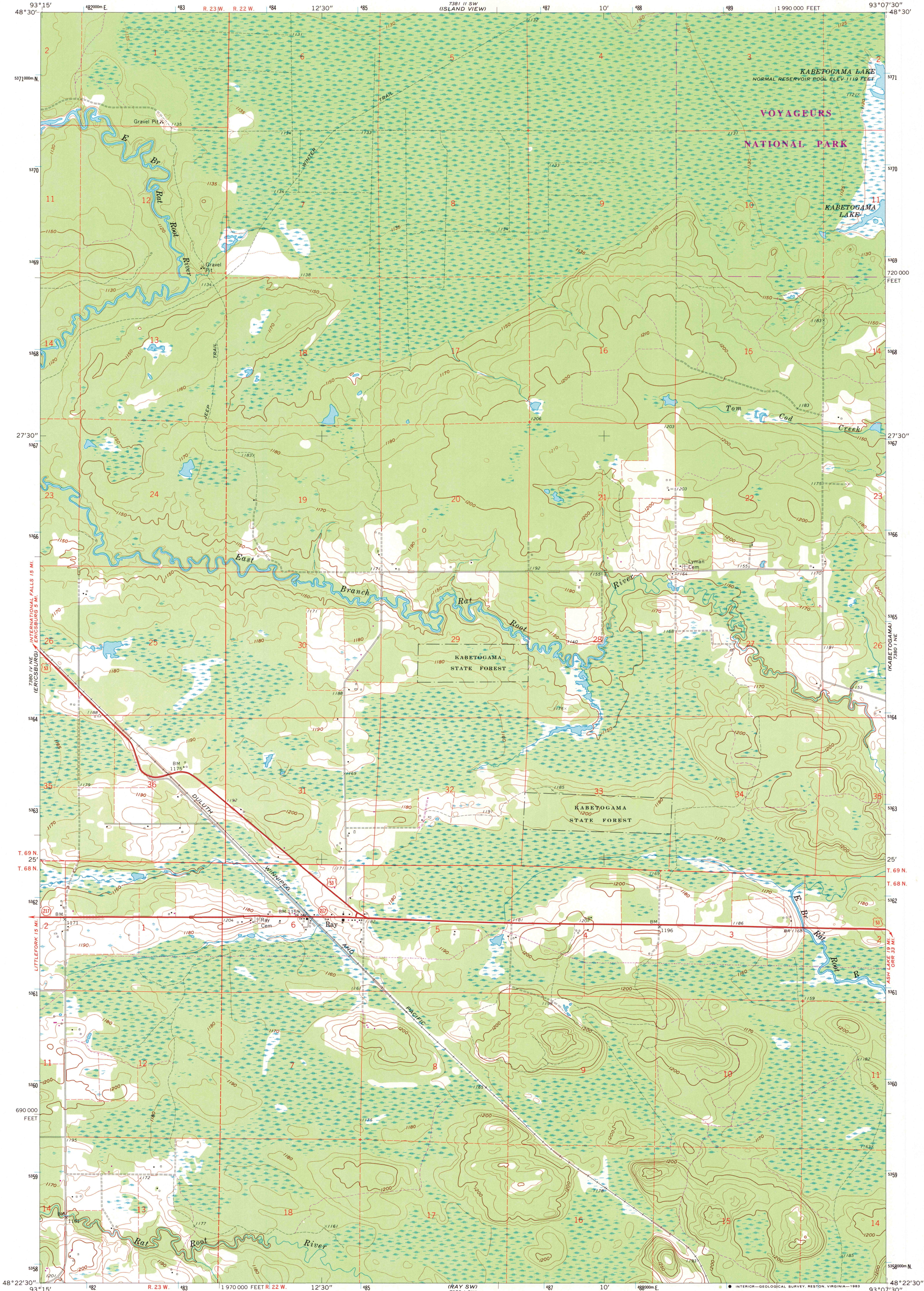
78° 11' 55" (RAYNER)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MINNESOTA
DEPARTMENT OF ADMINISTRATION

RAY QUADRANGLE
MINNESOTA—KOOCHICHING CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

78° 11' 55" (GRABERY BAY)



78° 11' 55" (ERICSBURG 92)

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 1969
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

UTM GRID AND 1983 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24,000
CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

MINN.
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Primary highway, all weather, hard surface
Light-duty road, all weather, improved surface
Unimproved road, fair or dry weather
U. S. Route
State Route

RAY, MINN.
N4822.5—W9307.5/7.5
1969
PHOTOREVISED 1983
DMA 7380 1 NW—SERIES V872

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