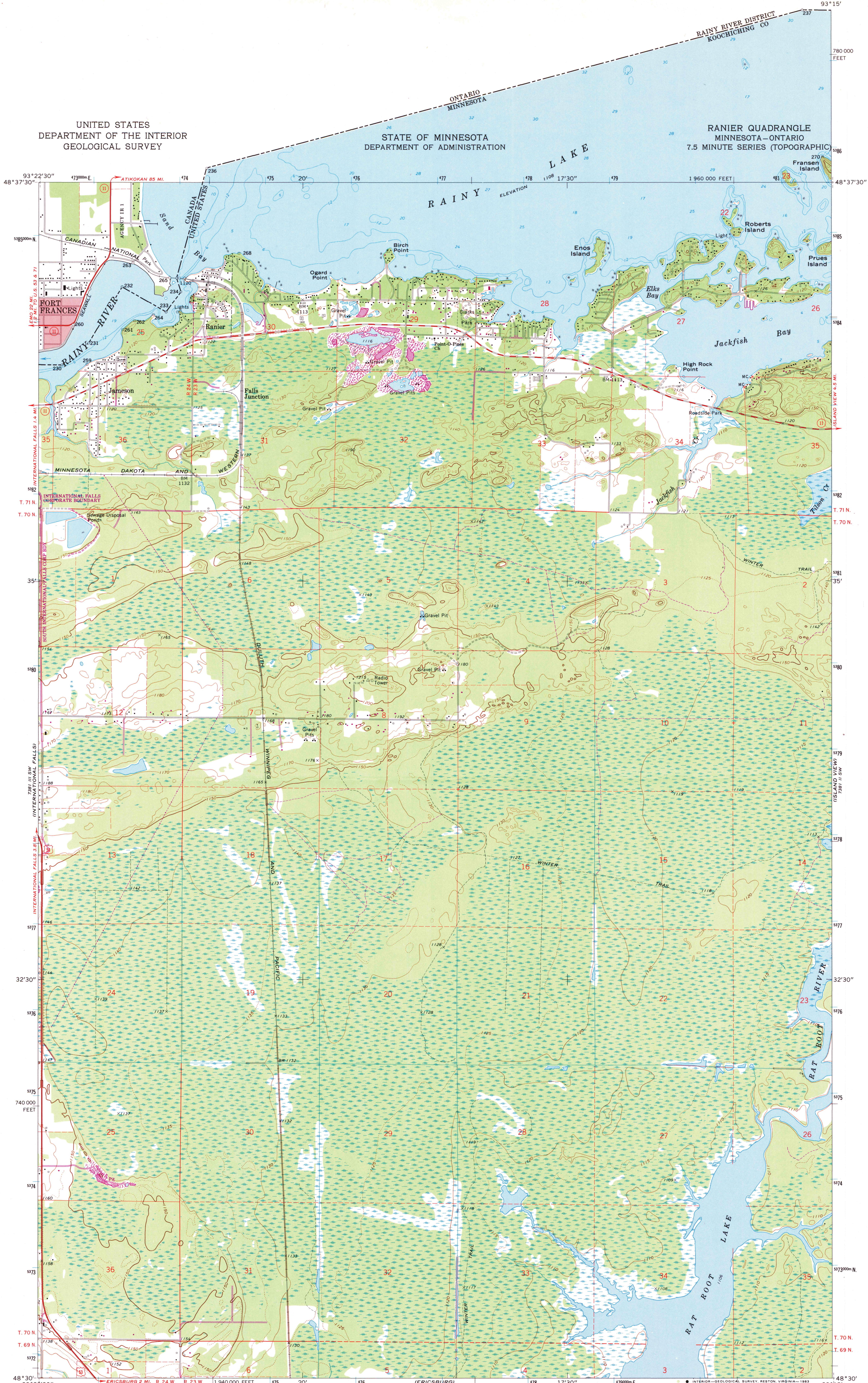


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

STATE OF MINNESOTA  
DEPARTMENT OF ADMINISTRATION

RANIER QUADRANGLE  
MINNESOTA-ONTARIO  
7.5 MINUTE SERIES (TOPOGRAPHIC)



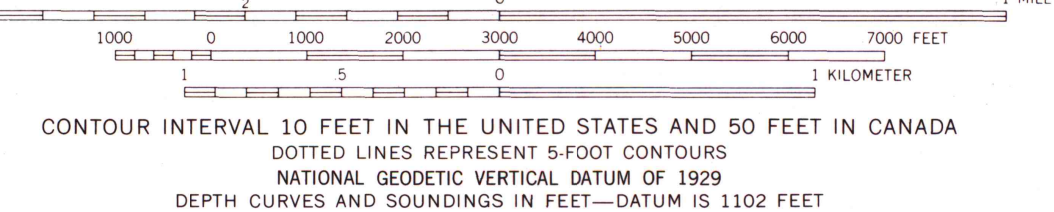
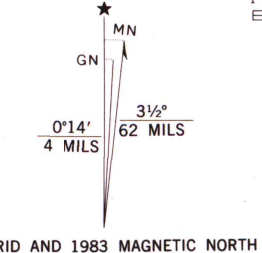
Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, and International Boundary Commission

Topography by photogrammetric methods from aerial  
photographs taken 1968. Field checked 1969  
Canadian portion copied in part from advance print Fort Frances  
quadrangle (1:40 000) 1964, Department of Energy, Mines and  
Resources

Selected hydrographic data compiled from U. S. Lake Survey  
Chart 823 (1965). This information is not intended  
for navigational purposes

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

Red tint indicates area in which only landmark buildings are shown  
To place on the predicted North American Datum 1983  
move the projection lines 5 meters north and  
15 meters east as shown by dashed corner ticks



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
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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



| ROAD CLASSIFICATION                           |                                                   |                                                                                 |         |
|-----------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------|---------|
| Primary highway, all weather,<br>hard surface | Light-duty road, all weather,<br>improved surface | Secondary highway, all weather,<br>unimproved road, fair or dry<br>hard surface | weather |
| U. S. Route                                   | State Route                                       |                                                                                 |         |

RANIER, MINN.-ONT.  
N4830-9315/7.5

1969  
PHOTOREVISED 1983  
DMA 7561 III SE-SERIES V872

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