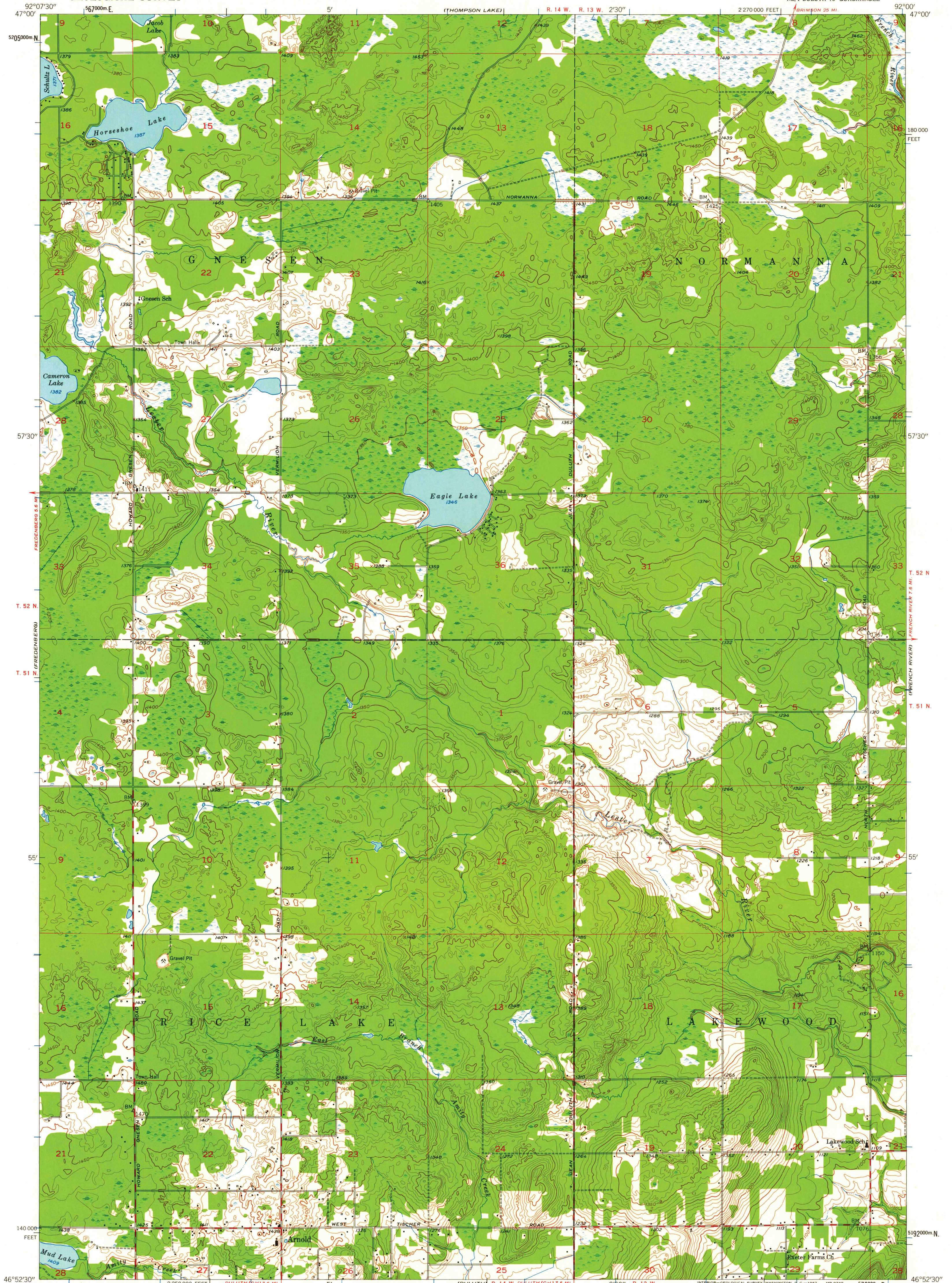


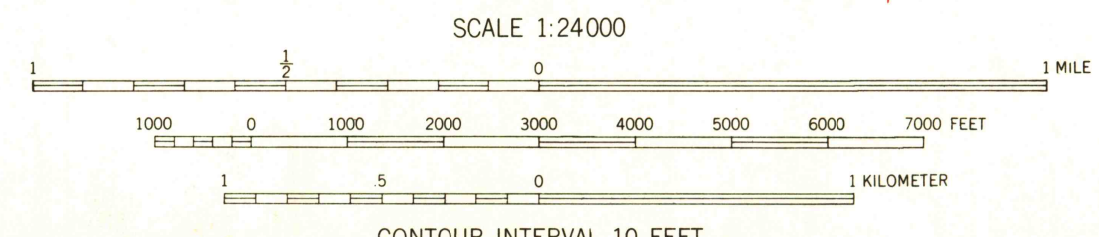
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ARNOLD QUADRANGLE  
MINNESOTA—ST. LOUIS CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
NE/4 DULUTH 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography from aerial photographs by Kelsch plottter  
Aerial photographs taken 1952. Field check 1953  
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

TRUE NORTH  
MAGNETIC NORTH  
APPROXIMATE MEAN  
DECLINATION, 1953



THIS MAP COMPLIES WITH NATIONAL MAP ACURACY STANDARDS  
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USGS  
Historical File  
Topographic Division



ROAD CLASSIFICATION  
Medium-duty ——— Light-duty ———  
Unimproved dirt ———

ARNOLD, MINN.  
NE/4 DULUTH 15' QUADRANGLE  
N4652.5-W9200/7.5

1953

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