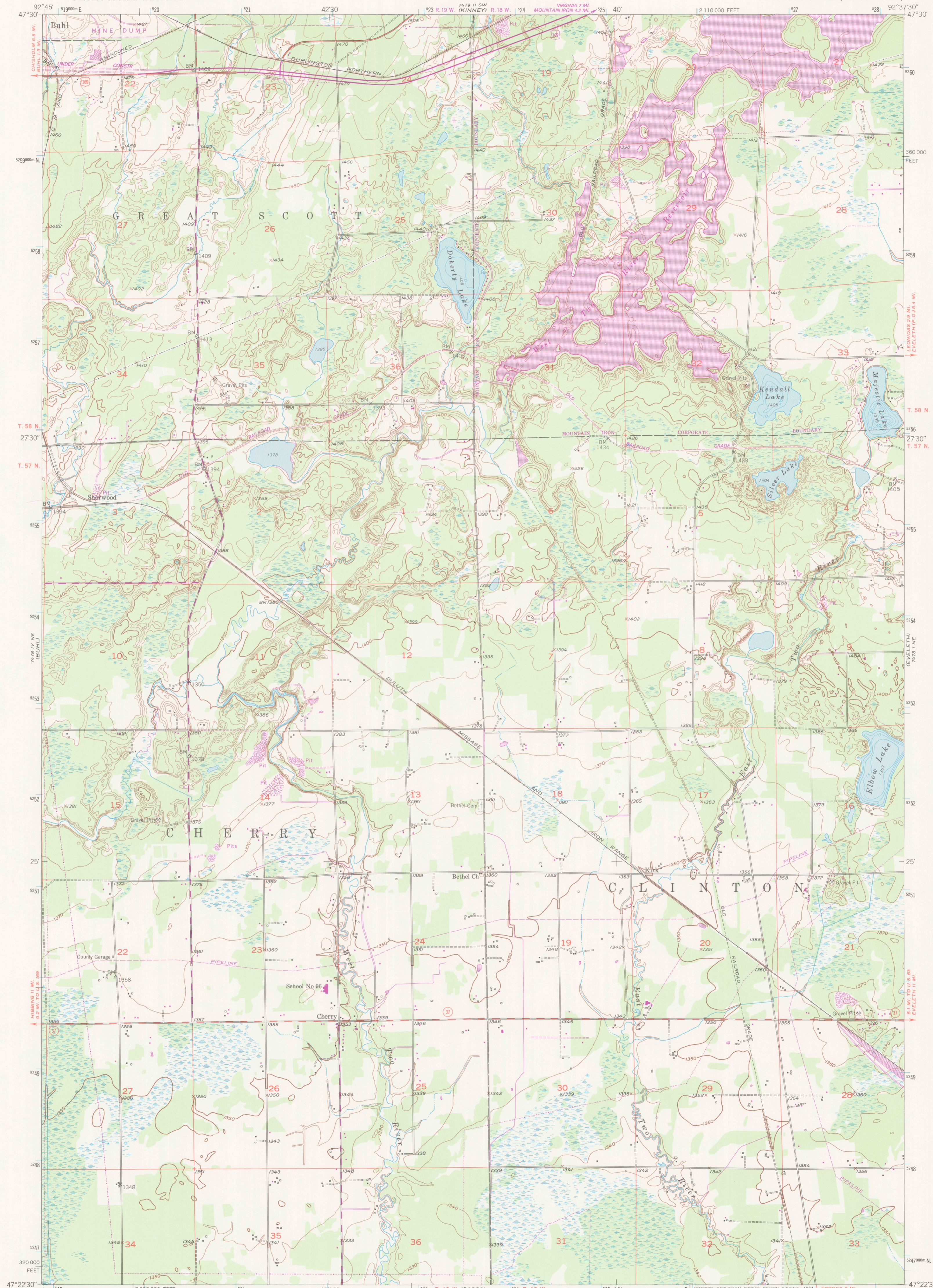


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

STATE OF MINNESOTA  
IRON RANGE RESOURCES AND REHABILITATION COMMISSION

KIRK QUADRANGLE  
MINNESOTA-ST. LOUIS CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)



Maped, edited, and published by the Geological Survey

Control by USGS and USC&GS

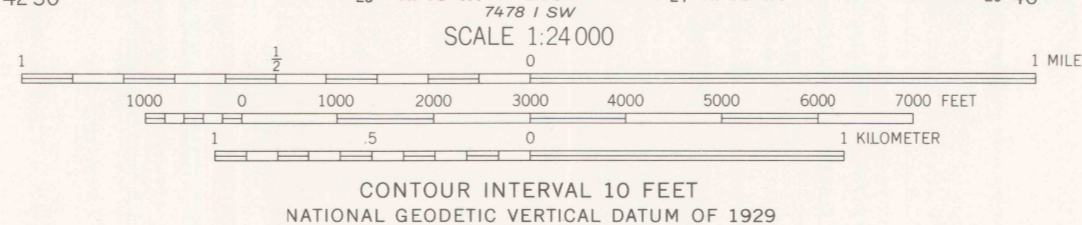
Topography by photogrammetric methods from aerial photographs taken 1950. Field checked 1951

Depth curves compiled from charts 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 6 meters north and 15 meters east as shown by dashed corner ticks

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



ROAD CLASSIFICATION  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
U. S. Route ——— State Route ———



KIRK, MINN.  
N4722.5—W9237.5/7.5

1951  
PHOTOREVISED 1983  
DMA 7478 1 NW—SERIES V872

