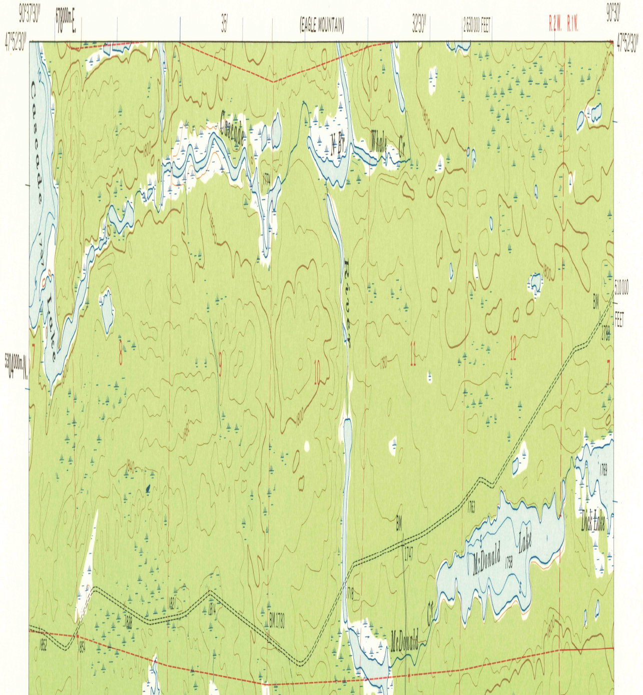
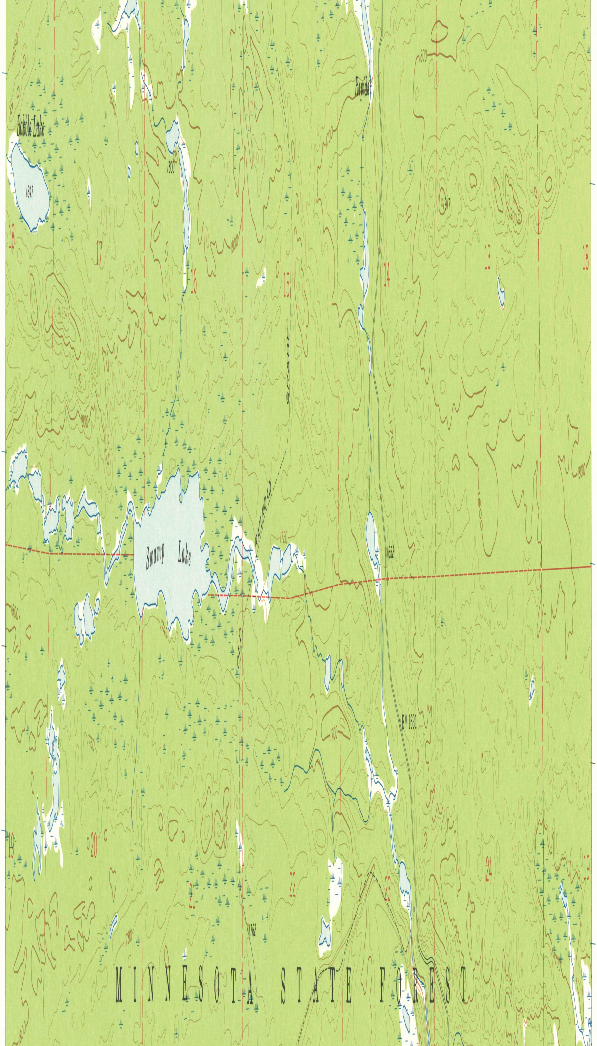
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

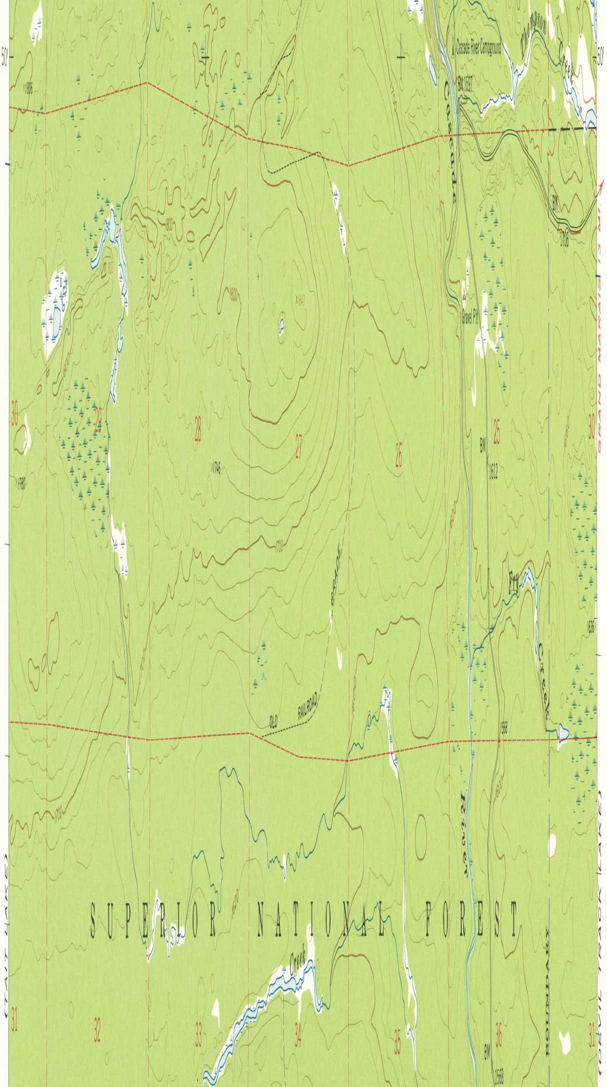
STATE OF MINNESOTA
IRON RANGE RESOURCES AND REHABILITATION COMMISSION
A. M. DEYOANNES, COMMISSIONER

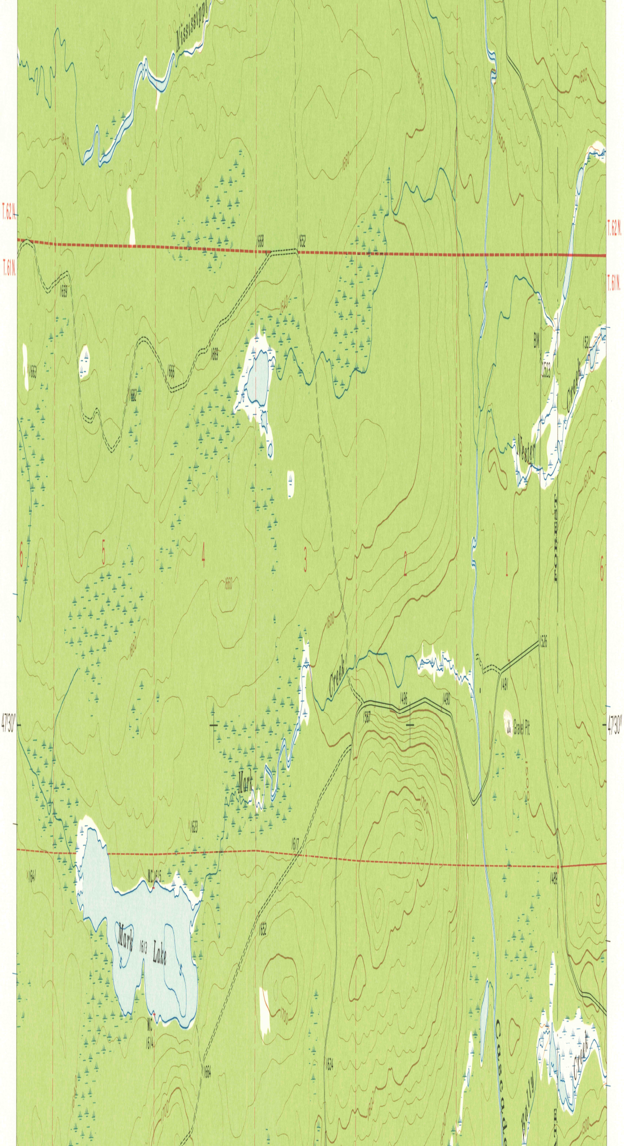
MARK LAKE QUADRANGLE

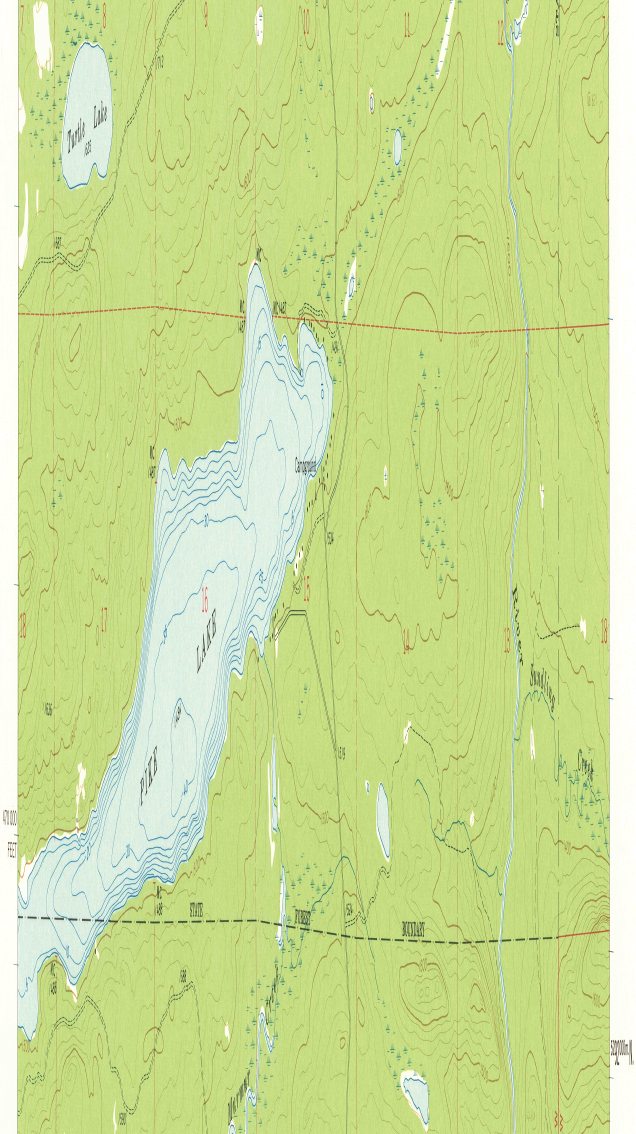
MINNESOTA–COOK CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

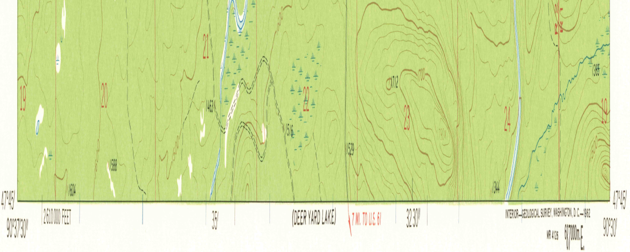

(BRULE LAKE)
(CLIMAX MOUNTAIN)
90°37'30"
47°52'30"
678000m.E.
35'
(EAGLE MOUNTAIN)
32'30"
2 630 000 FEET
R.2W.
R.1W.
90°30'
47°52'30"
Cascade Lake
Cascade
N Br
Whale Cr
River
1774
1800
1850
1747
5304000m.N.
510 000 FEET
BM
1789
7
8
9
10
11
12
7
1780
1840
1769
1763
BM
1747
Dick Lake
McDonald Lake
1758
Cr
McDonald
1718
BM 1780
1814
1827
1828
1852
1854


Bobble Lake
1847
Rapids
1800
1700
1917
18
17
16
15
14
13
18
1800
GRADE
RAILROAD
Swamp Lake
1652
BM 1631
1735
19
20
21
22
23
24
19
1762
1780
MINNESOTA STATE FOREST


50'
50'
1806
Cascade River Campground
Thompson Creek
BM 1597
Cascade
1800
1820
1843
Gravel Pit
BM 1706
GRAND MARAIS 13 MI.
30
29
28
27
26
25
30
BM 1612
1746
1780
1700
Fry Creek
1636
grade
OLD RAILROAD
1568
River
1650
SUPERIOR NATIONAL FOREST
Creek
(TAIT LAKE)
(DEVIL TRACK LAKE)
BOUNDARY
31
32
33
34
35
36
31
BM 1563


Mississippi
T.62 N.
T.61 N.
1688
1652
1659
1663
1662
1666
1689
1640
1660
1680
1600
1605
BM
1523
Vester
Creek
6
5
4
3
2
1
Creek
47°30'
1567
1496
1490
1491
1526
Gravel Pit
FOREST
Mark
1623
1617
1641
MC 1615
Mark Lake
1613
MC
1614
1652
1664
1634
1700
Cascade
Early
Creek
1489
1500


7
8
9
10
11
12
7
Turtle Lake
1625
1713
1687
MC
MC 1487
MC 1487
1491
Campground
PIKE LAKE
1534
15
16
17
18
14
13
18
River
Sundling Creek
1519
1636
1676
470 000 FEET
MC 1488
STATE FOREST BOUNDARY
1524
MC 1488
1588
1590
Mormon Creek
5292000m.N.


21
19
20
22
23
24
19
1712
1700
1463
1516
1529
1588
1604
1344
1365
47°45′
90°37′30″
2 610 000 FEET
35′
(DEER YARD LAKE)
7 MI. TO U.S. 61
32′30″
47°45′
90°30′
MR 4126
687000m.E.

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1962

(KNUTSEN)

(GOOD HARBOR BAY)

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

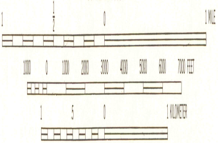
Topography by photogrammetric methods from aerial photographs taken 1958. Field checked 1960

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

Dashed land lines indicate approximate locations

SCALE 1:24000


1
½
0
1 MILE
1000
0
1000
2000
3000
4000
5000
6000
7000 FEET
1
.5
0
1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

TRUE NORTH
MAGNETIC NORTH
3°

APPROXIMATE MEAN DECLINATION, 1960

ROAD CLASSIFICATION

Light-duty ═══ Unimproved dirt ========

QUADRANGLE LOCATION

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MARK LAKE, MINN.

N4745—W9030/7.5

1960