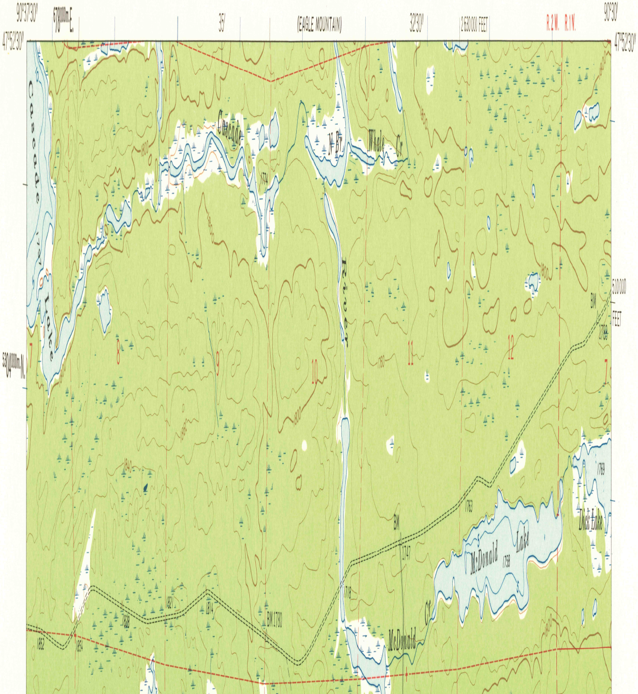
(BRULE LAKE)

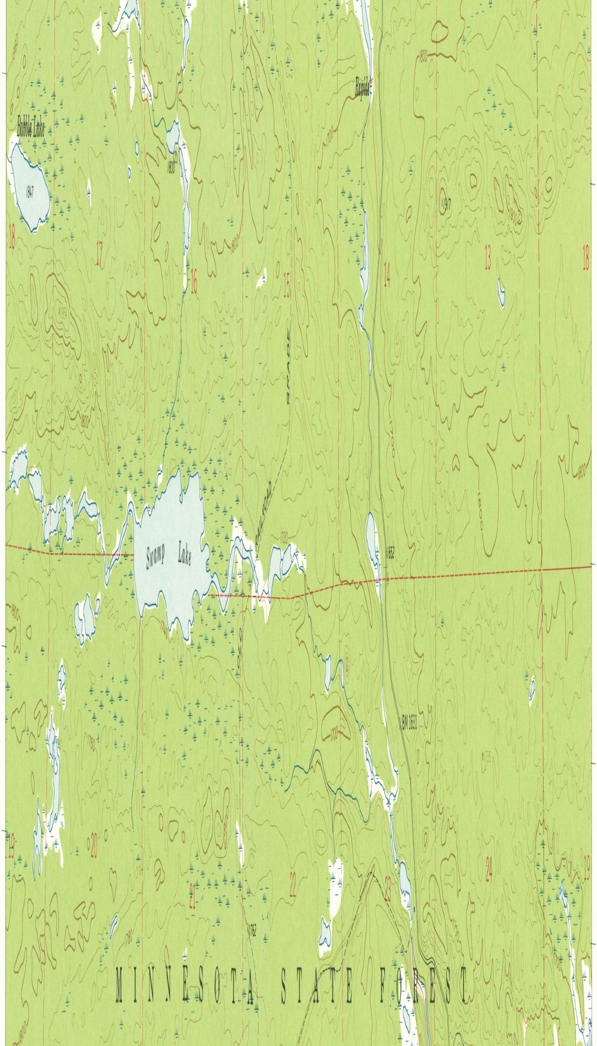
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

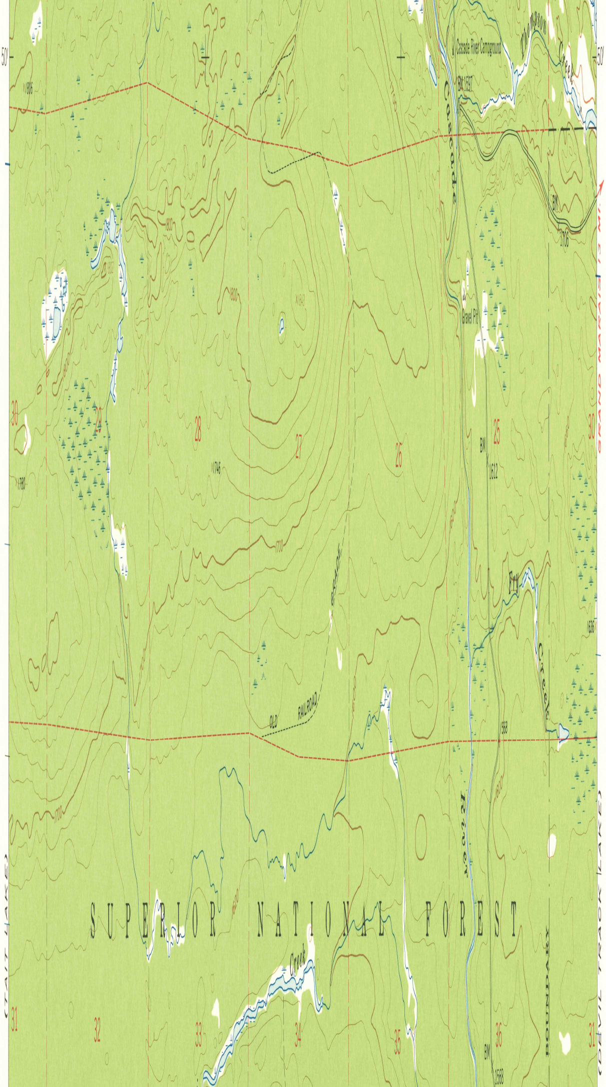
STATE OF MINNESOTA
IRON RANGE RESOURCES AND REHABILITATION COMMISSION
A. M. DEYOANNES, COMMISSIONER

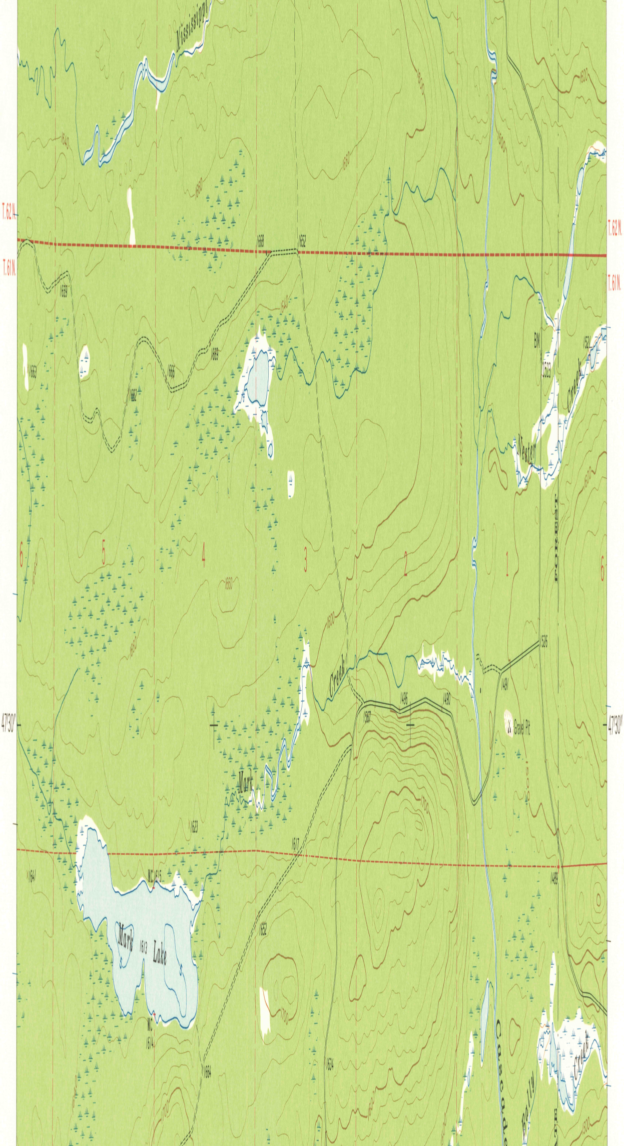
MARK LAKE QUADRANGLE
MINNESOTA–COOK CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

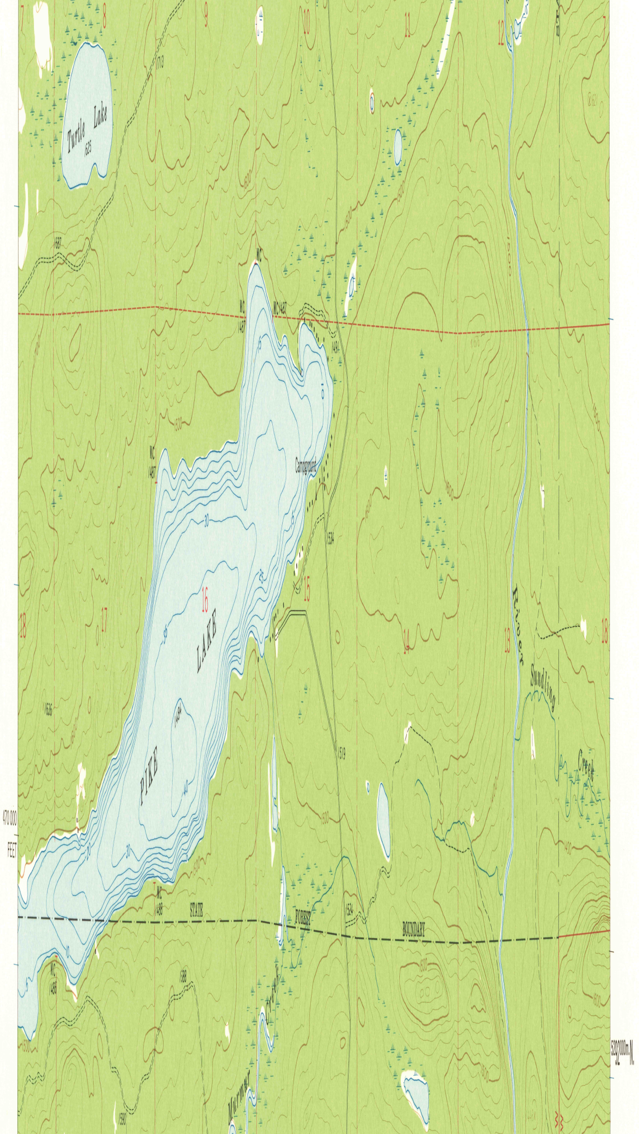
(LIMA MOUNTAIN)

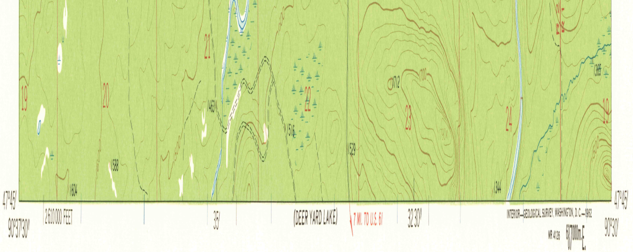

90°37'30"
47°52'30"
678000m E.
35'
(EAGLE MOUNTAIN)
32'30"
2 630 000 FEET
R. 2 W.
R. 1 W.
90°30'
47°52'30"
Cascade Lake
Cascade
N Br
Whale Cr
River
1774
1800
1850
510 000 FEET
BM
1788
5304000m N.
7
8
9
10
11
12
7
1769
Duck Lake
1763
BM
1747
McDonald Lake
1758
Cr
McDonald
1718
BM 1780
1814
1822
1828
1852
1854
1840


Bobble Lake
1847
Rapids
1800
1917
18
17
16
15
14
13
18
GRADE
Swamp Lake
1652
BM 1631
1725
1762
19
20
21
22
23
24
19
MINNESOTA STATE FOREST


50'
Cascade River Campground
Thompson Creek
50'
1806
BM 1597
Cascade
BM
1706
GRAND MARAIS 13 MI.
1800
1800
1842
Gravel Pit
1820
1820
30
29
28
27
26
25
30
BM
1612
1746
1780
1700
Fry
Creek
1636
OLD RAILROAD
1568
1700
River
SUPERIOR NATIONAL FOREST
BOUNDARY
Creek
(TAIT LAKE)
(DEVIL TRACK LAKE)
31
32
33
34
35
36
31
BM
1563


Mississippi
T.62 N.
T.61 N.
T.62 N.
T.61 N.
1688
1652
1659
1663
1682
1666
1689
1640
1660
1680
1600
1505
BM
1523
1521
Nester
Creek
FOREST
6
5
4
3
2
1
6
1526
1491
1490
1496
1567
Creek
Gravel Pit
47°30'
47°30'
Mark
1623
1617
1641
1615
Mark
1613
Lake
1614
1652
1700
1664
1534
1489
Cascade
Fry
Creek
1500


7
8
9
10
11
12
7
Turtle Lake
1625
1713
1687
1800
MC
1487
MC 1487
1491
1676
1621
Campground
1534
1500
PIKE LAKE
16
15
17
18
14
13
18
1484
1636
15
30
35
40
1519
River
Sundling
Creek
470 000
FEET
MC
1488
STATE
FOREST
BOUNDARY
1524
1386
1590
Mormon
Creek
1600
5292000m.N.


21
19
20
22
23
24
19
1463
1516
1712
1700
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′
5′
6
7 000m. E.
(KNUTSEN)
(GOOD HARBOR BAY)

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

MR 4126

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

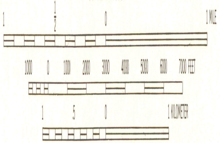
Polyconic projection. 1927 North American datum

10,000-foot grid based on Minnesota coordinate system, north zone

1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue

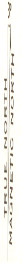
Dashed land lines indicate approximate locations

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


3°
TRUE NORTH
MAGNETIC NORTH

APPROXIMATE MEAN DECLINATION, 1960

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

ROAD CLASSIFICATION

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

MARK LAKE, MINN.

N4745—W9030/7.5

1960