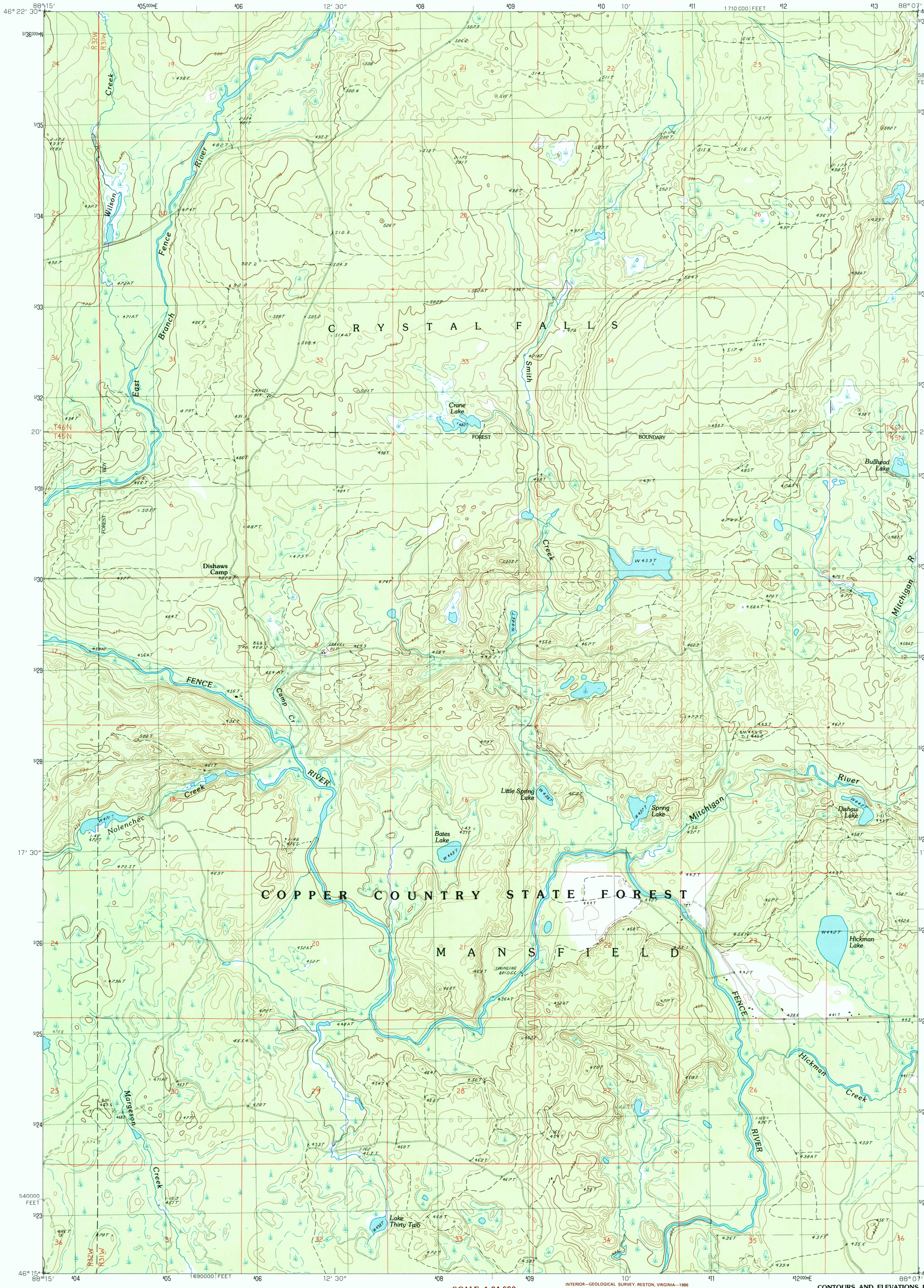
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HICKMAN LAKE QUADRANGLE
MICHIGAN–IRON CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
6	19.6850
7	22.9659
8	26.2467
9	29.5276
10	32.8084

EXAMPLE: Convert 479 meters to feet

479 = 400 + 70 + 9

400m = 1312.3ft
70m = 229.7ft
+ 9m = + 29.5ft
479m = 1571.5ft

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS AND NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1981
FIELD CHECKED ..... 1982. MAP EDITED 1985
PROJECTION ..... UNIVERSAL TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 16
10,000-FOOT STATE GRID TICKS ..... MICHIGAN, NORTH ZONE
UTM GRID DECLINATION ..... 0°52' WEST
1985 MAGNETIC NORTH DECLINATION ..... 1°30' WEST
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM

To place on the predicted North American Datum of 1983, move the projection lines as shown by dashed corner ticks (7 meters north and 9 meters east)

There may be private inholdings within the boundaries of any Federal and State reservations shown on this map

No distinction made between houses, barns, and other buildings

NORTH

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of photography. 1

SCALE 1:24 000

KILOMETERS
METERS
MILES
FEET

CONTOUR INTERVAL 5 METERS

CONTROL AND FIELD ESTABLISHED ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST METER

To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by .3048

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
AND THE GEOLOGICAL SURVEY DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES, LANSING, MICHIGAN 48909

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1986

MICHIGAN
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Ned Lake
2 Nelson Lake
3 Witch Lake NE
4 Ned Lake SE
5 Witch Lake
6 Kelso Junction
7 Kiernan
8 Channing

ADJOINING 7.5 QUADRANGLE NAMES

CONTOURS AND ELEVATIONS IN METERS

ROAD LEGEND

Improved Road
Unimproved Road
Trail

Interstate Route
U. S. Route
State Route

HICKMAN LAKE, MICHIGAN
PROVISIONAL EDITION 1985
46088-C2-TM-024

USGS NMD HISTORICAL MAP
MAR 31 1986
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