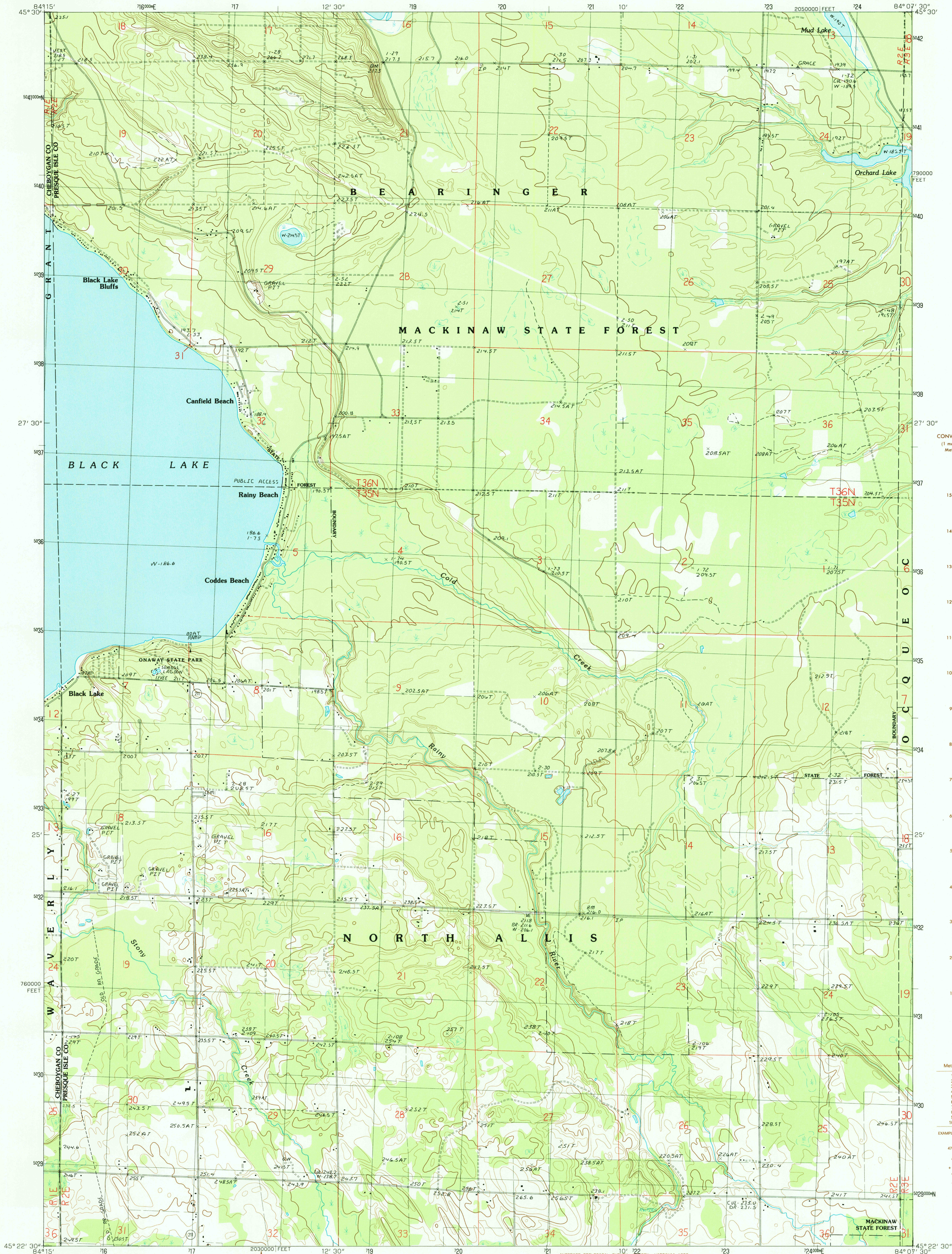




PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY: USGS AND NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN: 1981
FIELD CHECKED: 1982 MAP EDITED: 1986
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR
ZONE: 16
HORIZONTAL DATUM: NATIONAL GEODETIC DATUM OF 1983
VERTICAL DATUM: 1929 NORTH AMERICAN DATUM
UTM GRID DECLINATION: 230° EAST
1986 MAGNETIC NORTH DECLINATION: 5°30' WEST
To place on the predicted North American Datum of 1983,
move the projection lines as shown by dashed corner ticks
(3 meters north and 2 meters west)
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

PROVISIONAL MAP
Produced from original
manuscript drawings. Infor-
mation shown as of date of
photography.



CONTOUR INTERVAL 3 METERS
CONTROL AND FIELD ESTABLISHED ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST 0.5 METER
To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by 0.3048
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
AND GEOLOGICAL SURVEY DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES, LANSING, MICHIGAN 48909

1	2	3	4	5	6	7	8
Manning	Grace	Hangover	Heights	Osgood	Lower	Onaway	Millersburg

Improved Road
Unimproved Road
Trail
Interstate Route
U.S. Route
State Route
BLACK LAKE BLUFFS, MICHIGAN
PROVISIONAL EDITION 1986
45084-D2-TM-024

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

USGS NMD HISTORICAL MAP
SEP 03 1986
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