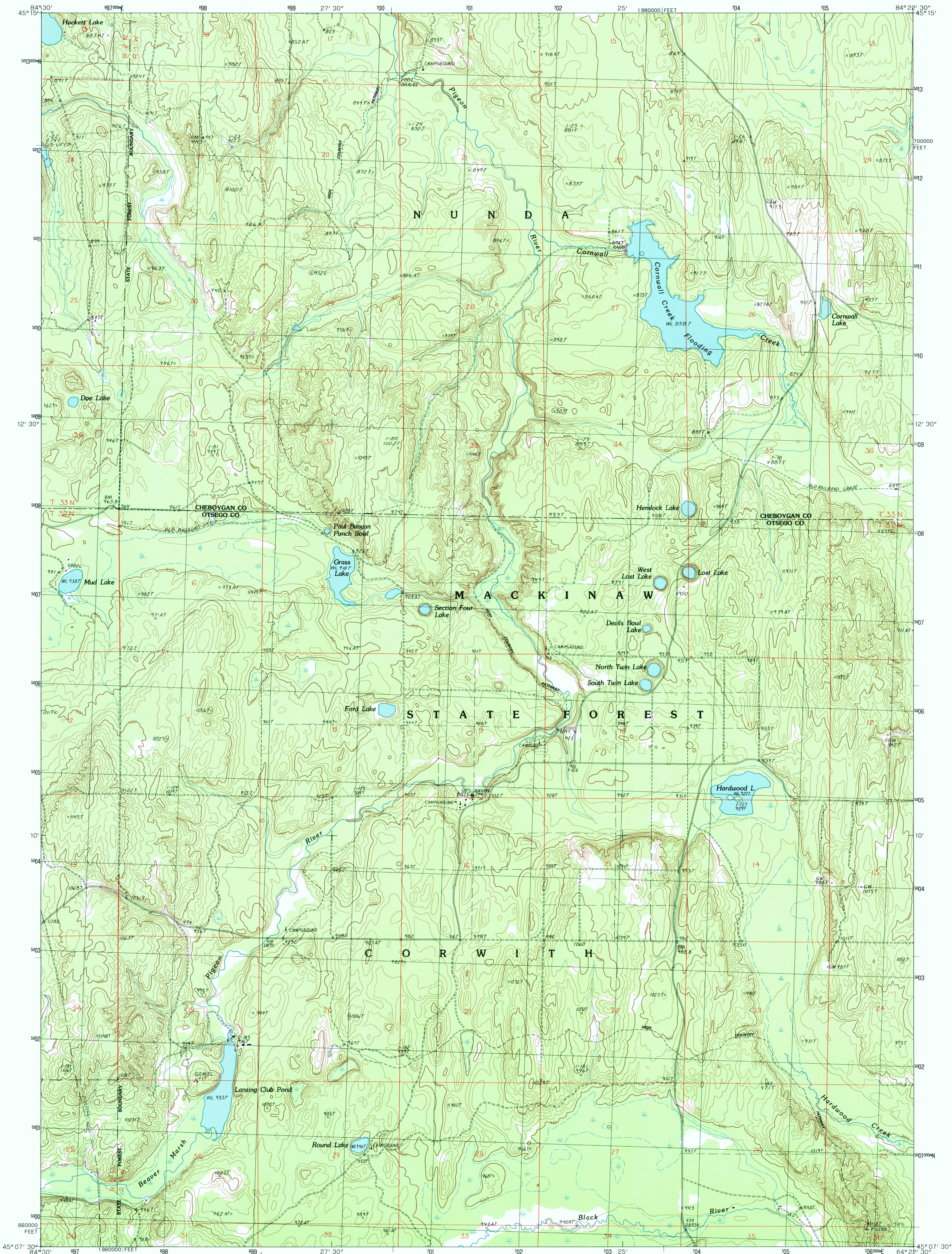




PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY ..... USGS AND NOS/NOAA  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN ..... 1983  
FIELD CHECKED ..... 1984. MAP EDITED ..... 1986  
PROJECTION ..... LAMBERT CONFORMAL CONIC  
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 16  
10,000-FOOT STATE GRID TICKS ..... MICHIGAN, CENTRAL ZONE  
UTM GRID DECLINATION ..... 149° EAST  
1986 MAGNETIC NORTH DECLINATION ..... 590° 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  
(3 meters north and 1 meter 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. 1

SCALE 1:24 000  
1 000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000  
MILES  
FEET  
KILOMETERS  
CONTOUR INTERVAL 10 FEET  
CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 FOOT  
OTHER ELEVATIONS SHOWN TO THE NEAREST FOOT  
To convert feet to meters multiply by 3.2808  
To convert meters to feet multiply by 3.2808  
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

ROAD LEGEND  
Improved Road .....  
Unimproved Road .....  
Trail .....  
Interstate Route ..... U.S. Route ..... State Route .....  
QUADRANGLE LOCATION  
1 2 3 4 5 6 7 8  
1 Wolverine  
2 Afton  
3 Lower  
4 Green Timbers  
5 Silver Lake  
6 Sparr  
7 Saunders Creek  
8 Hetherton  
HARDWOOD LAKE, MICHIGAN  
PROVISIONAL EDITION 1986  
45084-B4-TF-024  
ADJOINING 7.5' QUADRANGLE NAMES

RECEIVED  
JAN 3 1 1993  
USGS/MD  
HISTORICAL MAP ARCHIVES  
0-15257-0998-6  
0-15257-0998-6