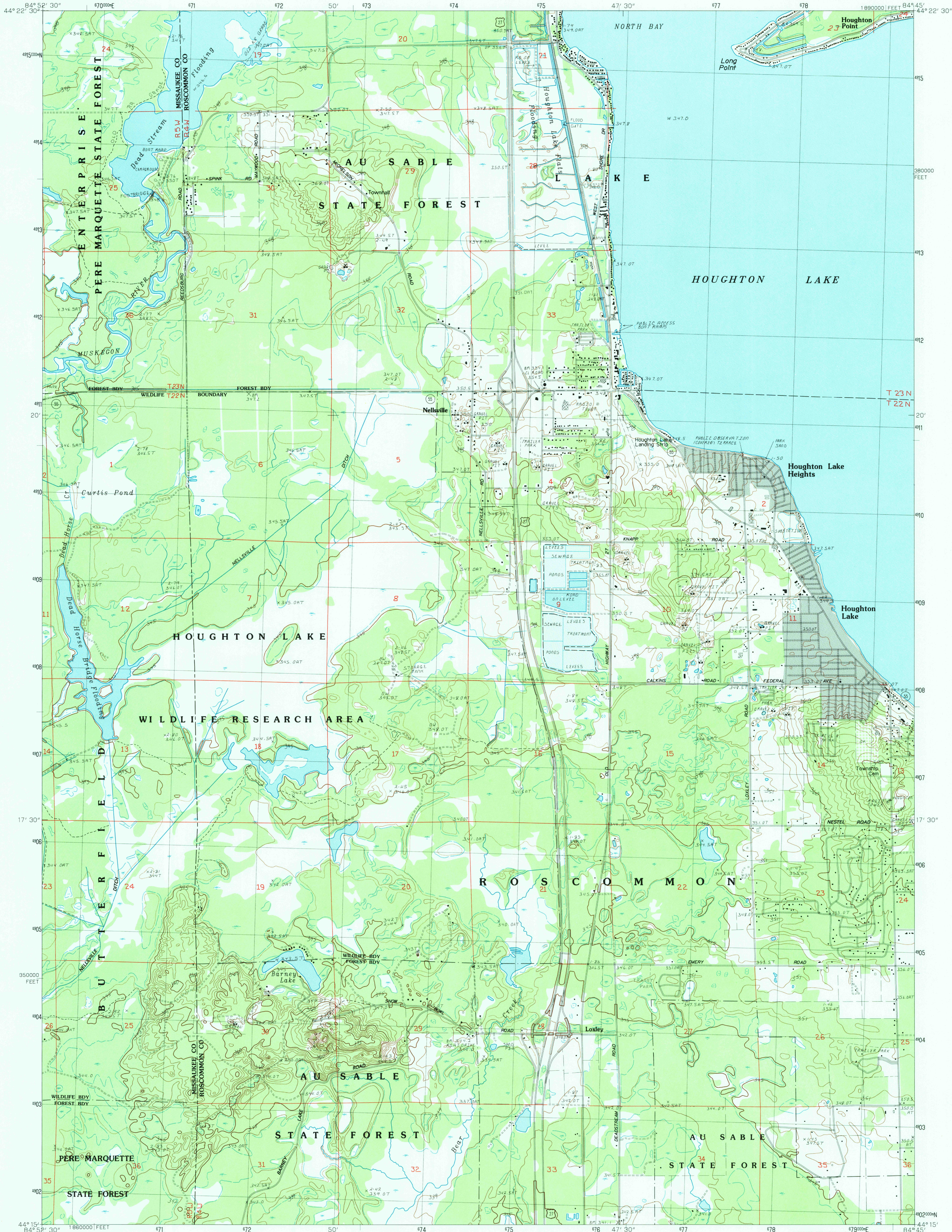


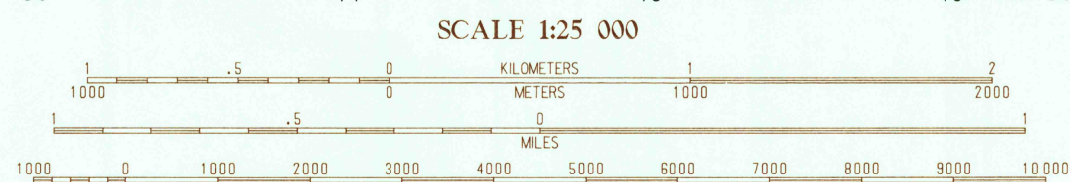
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HOUGHTON LAKE QUADRANGLE
MICHIGAN
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY USGS AND NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1981
FIELD CHECKED 1981 MAP EDITED 1983
PROJECTION UNIVERSAL TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ZONE 16
1000-FOOT STATE GRID TICS MICHIGAN, CENTRAL ZONE
UTM GRID DECLINATION 12° EAST
1983 MAGNETIC NORTH DECLINATION 4°30' WEST
VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM OF 1959
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
(2 meters north and 1 meter west)
There may be private inholdings within the boundaries of any
Federal and State Reservations shown on this map
Gray tint indicates areas in which selected buildings are shown

PROVISIONAL MAP
Produced from original
manuscript drawings. Infor-
mation shown as of date of
field check. 2



CONTOUR INTERVAL 3 METERS
SUPPLEMENTAL CONTOUR INTERVAL 15 METERS
CONTROL 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 COMPLETS 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
1	2	3	4	5	6	7	8
Adds Creek	Meads Landing	Lyons Manor	Merritt	Trudenville	Modenville	Cooperon	Meredith NW

ADJOINING 7.5 QUADRANGLE NAMES
CONTOURS AND ELEVATIONS
IN METERS

ROAD LEGEND
Improved Road
Unimproved Road
Trail
Interstate Route U.S. Route State Route

HOUGHTON LAKE, MICHIGAN
PROVISIONAL EDITION 1983

44084-C7-TM-025

RETURN TO:
USGS NHD HISTORICAL MAP ARCHIVES