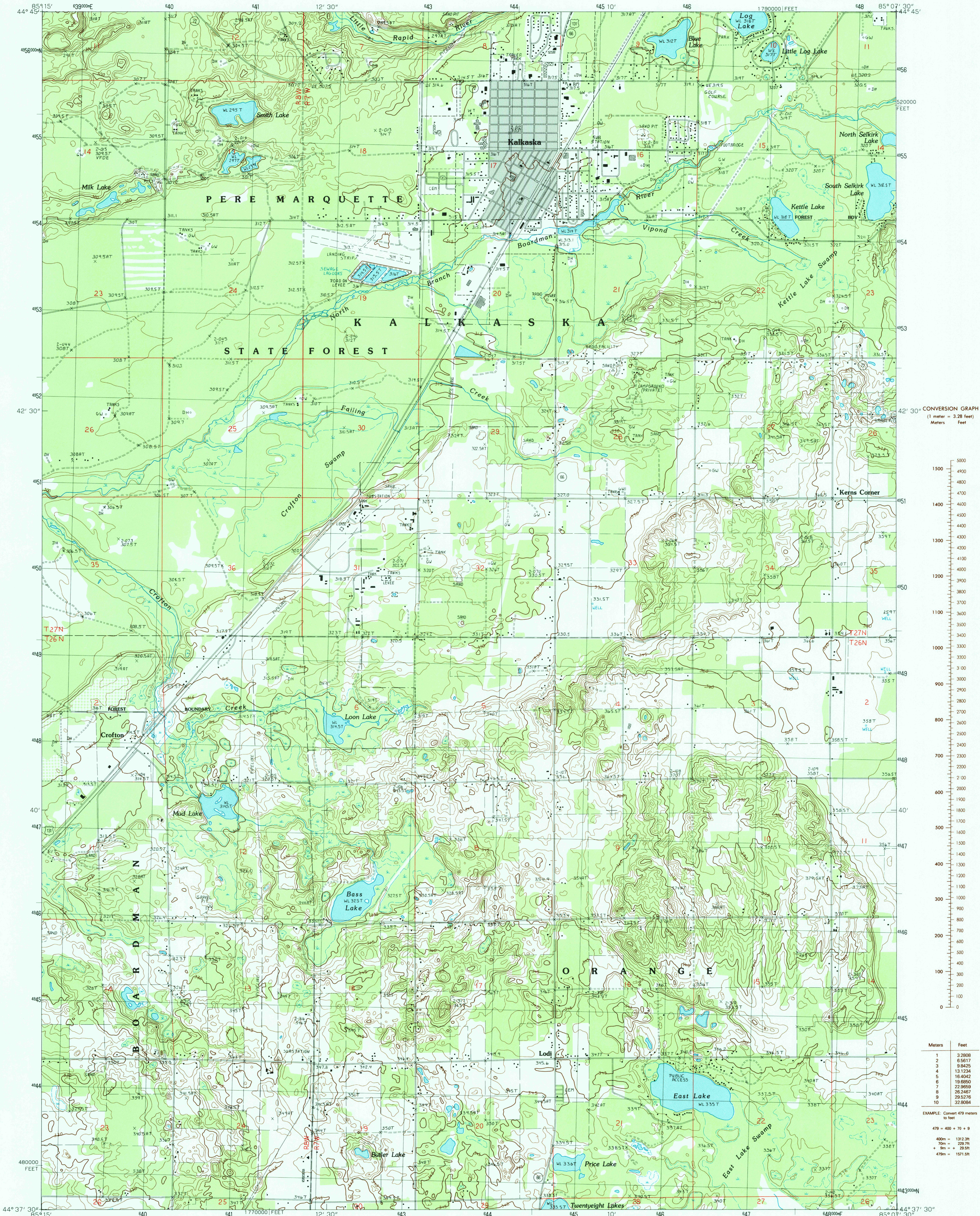


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

KALKASKA QUADRANGLE
MICHIGAN-KALKASKA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY: USGS AND NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN: 1983
FIELD CHECKED: 1983 MAP EDITED: 1985
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR
GRID: 100-METER UNIVERSAL TRANSVERSE MERCATOR
1000-FOOT STATE GRID TICKS: MICHIGAN CENTRAL ZONE
UTM GRID DECLINATION: 118° EAST
1984 MAGNETIC NORTH DECLINATION: 430° 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
(2 meters north and 1 meter 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
Gray tint indicates area in which selected buildings are shown

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
KILOMETERS
MILES
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

QUADRANGLE LOCATION
1 2 3 4 5 6 7 8
1 Torch River
2 Leeterville
3 Wentwood
4 South Boardman
5 Sigma
6 Elk Lake
7 Smithville
8 Sharon
ADJOINING 7.5 QUADRANGLE NAMES
CONTAINS AND ELEVATIONS IN METERS
ROAD LEGEND
Improved Road
Unimproved Road
Trail
Interstate Route
U.S. Route
State Route
KALKASKA, MICHIGAN
PROVISIONAL EDITION 1985
44085-F2-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	29.5275
10	32.8084

EXAMPLE: Convert 475 meters
to feet
475 = 400 + 75 + 0
400m = 1312.3ft
75m = 246.1ft
+ 0m = 0.0ft
475m = 1558.4ft

SEP 23 1985
REC'D FILE COPY
USGS MAP HISTORICAL MAP