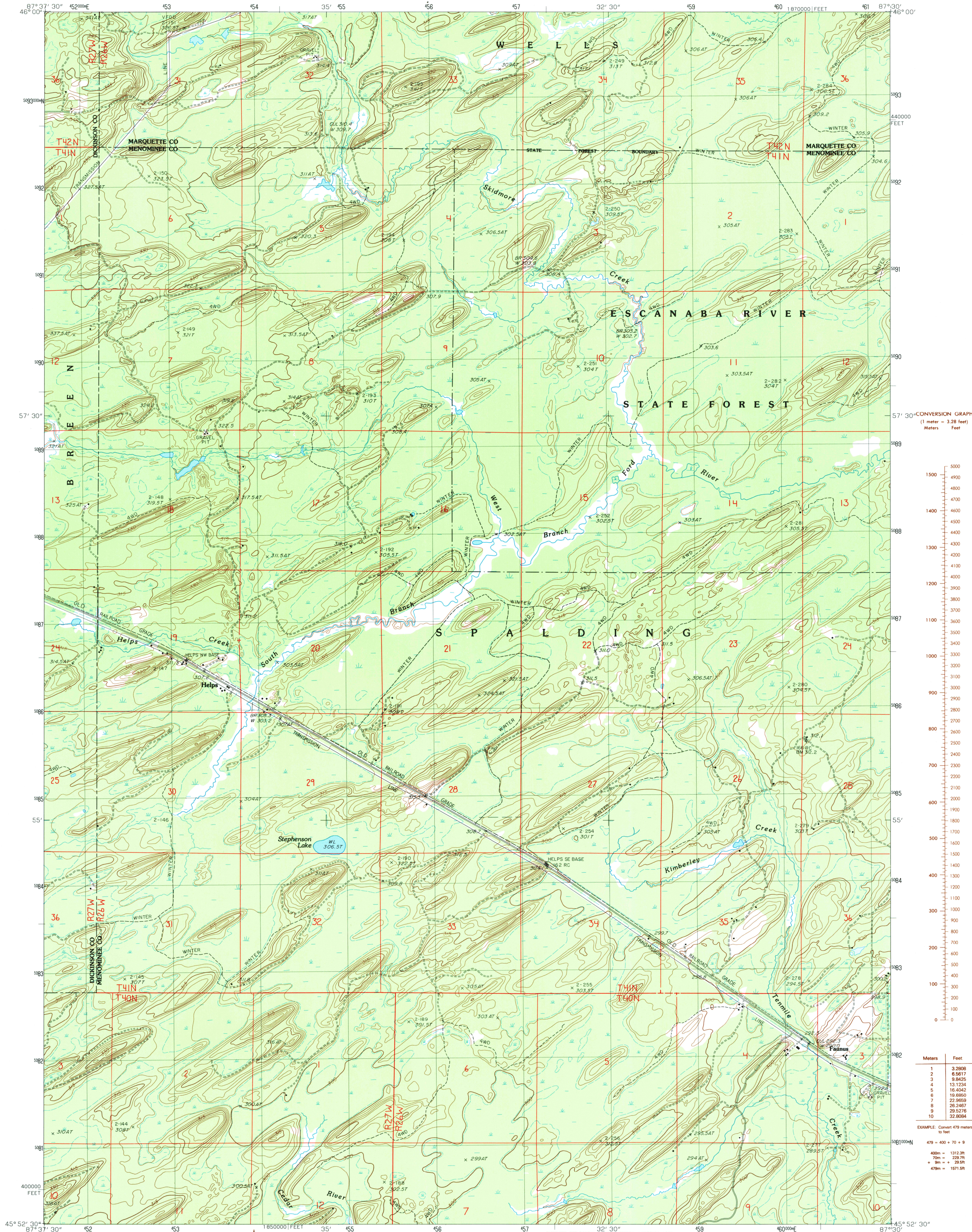




PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN IN 1962
FIELD CHECKED IN 1983
MAP EDITED IN 1986
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR
ZONE: 16
8000-FOOT STATE GRID TICS
UTM GRID DECLINATION: 0°24' WEST
1986 MAGNETIC NORTH DECLINATION: 2°30' WEST
VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1985
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 8 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

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

1

SCALE 1:24 000
KILOMETERS
METERS
MILES
FOOT
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, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND GEOLOGICAL SURVEY DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES, LANSING, MICHIGAN 48909

QUADRANGLE LOCATION

1	2	3	Alfred
			Northland
			Arnold
			Butter City
4		5	La Branche
			Waukegan
			Vega
6	7	8	Whitney

ADJOINING 7.5' QUADRANGLE NAMES

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

HELPS, MICHIGAN
PROVISIONAL EDITION 1986

45087-115-TM-024