UNITED STATES **EMPIRE QUADRANGLE** DEPARTMENT OF THE INTERIOR **MICHIGAN** 7.5 MINUTE SERIES (TOPOGRAPHIC) **GEOLOGICAL SURVEY** 2' 30" 576 1 560000 | FEET 577 570000mE G L E N ARBOR SLEEPING BEAR DUNES W = /77 NATIONAL LAKESHORE North Bar Lake > 9 M 256TP R H W: 177 47' 30" 47′ 30″ Old Baldy Empire Airport SOD RUNWAYS H Z 0 1 ×22 S × A A W. LEELANAU CO BENZIE CO PERE MARQUETTE STATE FOREST 44° 45′ 86°'00′ 2' 30" PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY SCALE 1:25 000 INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1984 **ROAD LEGEND** FIELD CHECKED 1979. MAP EDITED 1983
PROJECTION UNIVERSAL TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ZONE 16
10,000-FOOT STATE GRID TICKS MICHIGAN, CENTRAL ZONE
LITTM CRID. DECLINATION. Improved Road ..... Unimproved Road ..... UTM GRID DECLINATION 0°40' EAST 1983 MAGNETIC NORTH DECLINATION 3°00' WEST QUADRANGLE LOCATION CONTOUR INTERVAL 5 METERS
SUPPLEMENTARY CONTOUR INTERVAL 2.5 METERS
SUPPLEMENTAL CONTOUR INTERVAL 1.5 METERS ALONG SHORELINE VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM 1927 NORTH AMERICAN DATUM Interstate Route U. S. Route State Route HORIZONTAL DATUM ..... To place on the predicted North American Datum of 1983 PROVISIONAL MAP 2 Glen Haven 3 Glen Arbor CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 METER OTHER ELEVATIONS SHOWN TO THE NEAREST METER move the projection lines as shown by dashed corner ticks Produced from original (3 meters north and 3 meters east) **EMPIRE, MICHIGAN** 4 5 Burdickville To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by .3048 There may be private inholdings within the boundaries of any Federal and State reservations shown on this map manuscript drawings. Infor-7 8 6 Frankfort 7 Beulah 8 Platte River mation shown as of date of **PROVISIONAL EDITION 1983** field check. 44086-G1-TM-025 ADJOINING 7.5' QUADRANGLE NAMES THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS CONTOURS AND ELEVATIONS IN METERS 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



