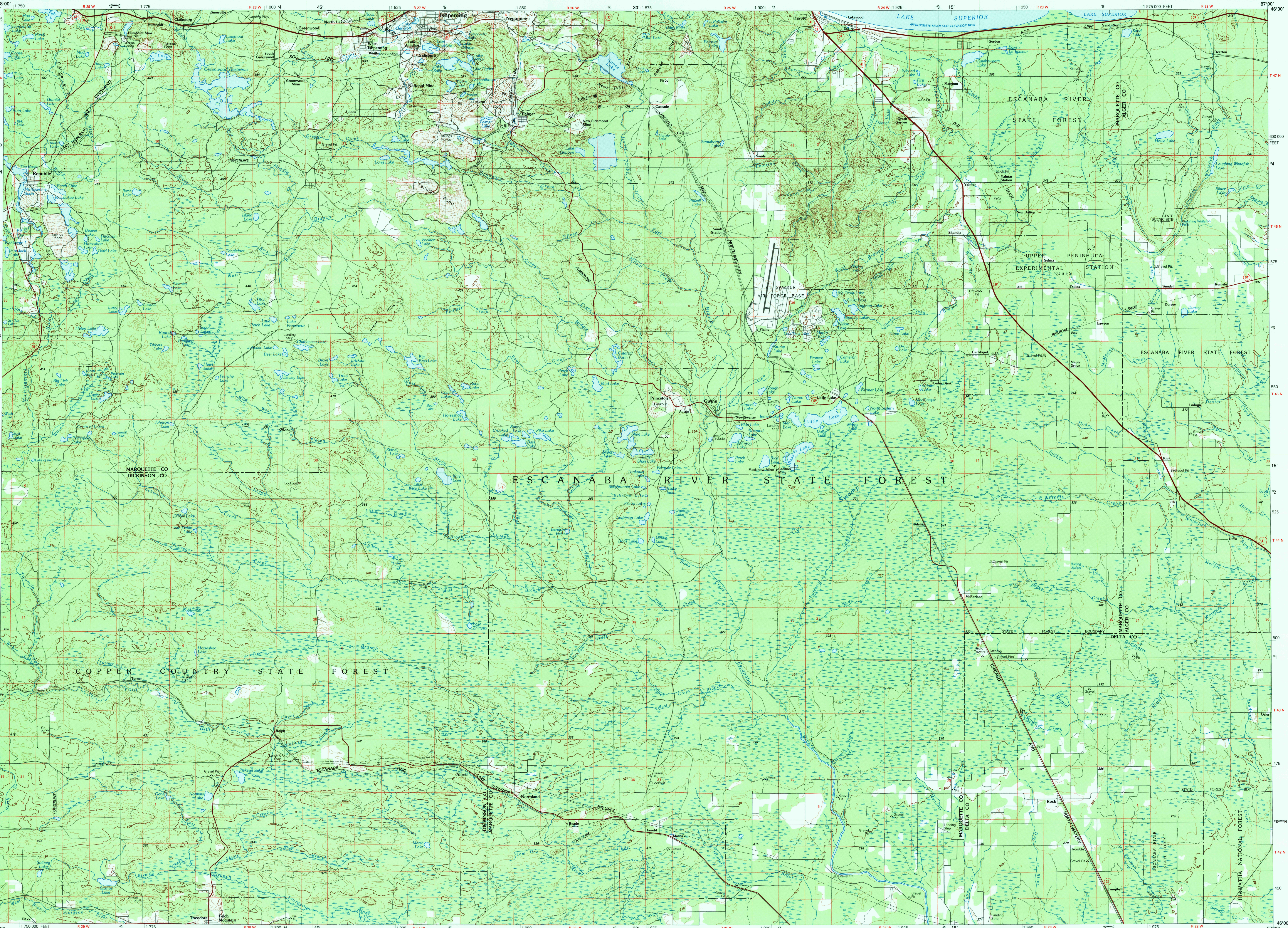


GWINN, MICHIGAN



SCALE 1:100 000
1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
CONTOUR INTERVAL 10 METERS

GWINN, MICHIGAN
46087-A1-TM-100
1983

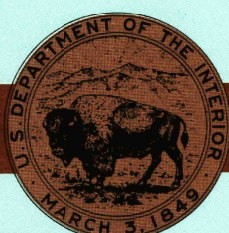
Gwin
MICHIGAN

1:100 000-scale metric
topographic map



30 X 60 MINUTE QUADRANGLE
SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



GEOLOGICAL SURVEY

1983

Produced by the United States Geological Survey
Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1952-1963.
taken 1975, 1981 and other source data. Revised information not field checked. Map edited 1983
Projection and 10 000-meter grid, zone 16.
Universal Transverse Mercator
25 000-foot grid ticks based on Michigan coordinate system, north zone
1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 7 meters north and 8 meters east
There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 10 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS	
Meters	Feet		1 2 3	
1	3.2808		4 5	
2	6.5617			6 7 8
3	9.8425			
4	13.1234			
5	16.4042			
6	19.6850			
7	22.9659			
8	26.2467			
9	29.5276			
10	32.8084			
To convert meters to feet multiply by 3.2808		UTM grid convergence (GV) and 1983 magnetic declination (MD) at center of map Diagram is approximate	1 L'Anse 2 Marquette 3 Au Sable Point 4 Iron River 5 Munising 6 Iron Mountain 7 Escanaba 8 Manistique	
To convert feet to meters multiply by 0.3048				

FOR SALE BY U. S. GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

Topographic Map Symbols

Primary highway, hard surface	Secondary highway, hard surface	Light duty road, principal street, hard or improved surface	Other road or street, trail	Route marker: Interstate, U.S. State	Railroad: standard gage, narrow gage	Bridge: overpass, underpass	Tunnel: road, railroad	Built up area; locality: elevation	Airport: landing field, landing strip	National boundary	State boundary	County boundary	National or State reservation boundary	Land grant boundary	U.S. public lands survey: range, township, section	Range, township, section line: protracted	Power transmission line; pipeline	Dam; dam with lock	Cemetery: building	Windmill; water well; spring	Mine shaft; adit or cave; mine, quarry; gravel pit	Campground; picnic area; U.S. location monument	Ruins; cliff dwelling	Distorted surface: strip mine, lava, sand	Contours: index, intermediate, supplementary	Bathymetric contours: index, intermediate	Stream, lake: perennial, intermittent	Rapids, large and small; falls, large and small	Area to be submerged; marsh, swamp	Land subject to controlled inundation; woodland	Sands, bog, marsh	Orchard; vineyard
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A pamphlet describing topographic maps is available on request

RETURN TO:
USGS AND HISTORICAL MAP ARCHIVES