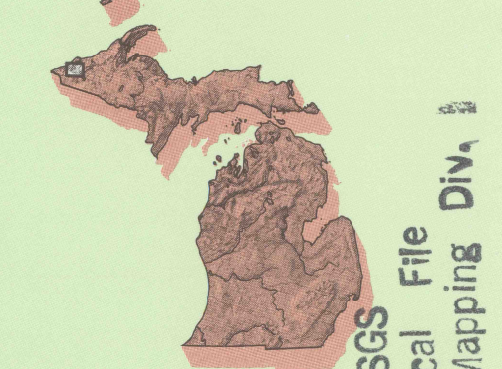
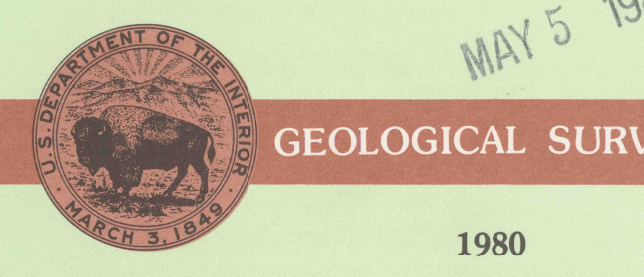




1:25 000-scale metric topographic map of Tiebel Creek MICHIGAN



- 7.5 X 15 MINUTE QUADRANGLE SHOWING
- Contours and elevations in meters
 - Highways, roads and other manmade structures
 - Water features
 - Woodland areas
 - Geographic names



Produced by the United States Geological Survey
 Control by USGS and NOS/NOAA
 Compiled by photogrammetric methods from aerial photographs taken 1975 and 1977. Field checked 1976. Map edited 1980.
 Selected hydrographic data compiled from NOS Chart 14965 (1979). This information is not intended for navigational purposes.
 Projection and 1000-meter grid, zone 16, Universal Transverse Mercator
 10,000-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 5 meters north and 10 meters east as shown by dashed corner ticks.
 There may be private inholdings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 5 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 CONTROL ELEVATIONS SHOWN TO NEAREST 0.1 METER
 OTHER ELEVATIONS SHOWN TO THE NEAREST METER
 DEPTH CURVES AND SOUNDINGS IN METERS
 DATUM IS LOW WATER 182.9 METERS

THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	Diagram		1	2	3
2	6.5617			4	5	
4	13.1234			1		
6	19.6851			2		
8	26.2468			3		
10	32.8085			4		
12	39.3702			5		
14	45.9319			6		
16	52.4936			7		
18	59.0553			8		
20	65.6170			9		

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048

UTM grid convergence (GN) and 1983 magnetic declination (M) at center of map
 Diagram is approximate

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Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light-duty road, hard or improved surface
- Unimproved road, trail
- Route marker: Interstate; U.S.; State
- Railroad: standard gage; narrow gage
- Bridge: drawbridge
- Footbridge; overpass; underpass
- Build-up area: only selected landmark buildings shown
- House; barn; church; school; large structure
- Boundary: National, with monument; State; County, parish; Civil township, precinct, district; Incorporated city, village, town; National or State reservation; small park; Land grant with monument; found section corner; U.S. public lands survey; range, township, section; Range, township; section line: location approximate; Fence or field line; Power transmission line, located tower; Dam; dam with lock; Cemetery; grave; Windmill; water well; spring; Mine shaft; prospect; shaft or mine; Central: horizontal station; vertical station; spot elevation; Contours: index; intermediate; supplementary; depression; Distorted surface: strip mine, lava, sand; Sounding; depth curve; Perennial lake and stream; intermittent lake and stream; Rapids, large and small; falls, large and small; Swamp; marsh; Submerged marsh: land subject to controlled inundation; Woodland; scattered trees; Scrub; mangrove; Orchard; vineyard

A pamphlet describing topographic maps is available on request

SCALE 1:25 000 1 CENTIMETER ON THE MAP REPRESENTS 250 METERS ON THE GROUND

TIEBEL CREEK, MICHIGAN N4637.5 - W8945.7/5 X 15

1980