TIEBEL CREEK, MICHIGAN

7.5 X 15 MINUTE SERIES (TOPOGRAPHIC)

# 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

GEOLOGICAL SURVEY

1980

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 COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

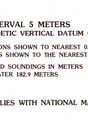
CONVERSION TABLE

| 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 | 29.5276 |
| 10 | 32.8084 |

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM




UTM grid convergence (GN) and 1980 magnetic declination (MN) at center of map
Diagram is approximate

ADJOINING MAPS

| | | |
|---|---|---|
| 1 | 2 | 3 |
| 4 | | 5 |
| 6 | 7 | 8 |

1 Carp River
2 Government Peak (7.5')
3 Black River Harbor
5 Aldridge Creek (7.5')
6 North Ironwood
7 Thomaston
8 Bergland

USGS MAP HISTORICAL MAP ARCHIVES
SEP 26 1996
REC'D FILE COPY

ISBN 0-607-25202-2

## 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
Built-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
Campground; picnic area; U. S. location monument
Windmill; water well; spring
Mine shaft; prospect; adit or cave
Control: 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

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1981

SCALE 1:25 000
1 CENTIMETER ON THE MAP REPRESENTS 250 METERS ON THE GROUND
CONTOUR INTERVAL 5 METERS

TIEBEL CREEK, MICHIGAN
N4637.5—W8945/7.5 X 15

1980