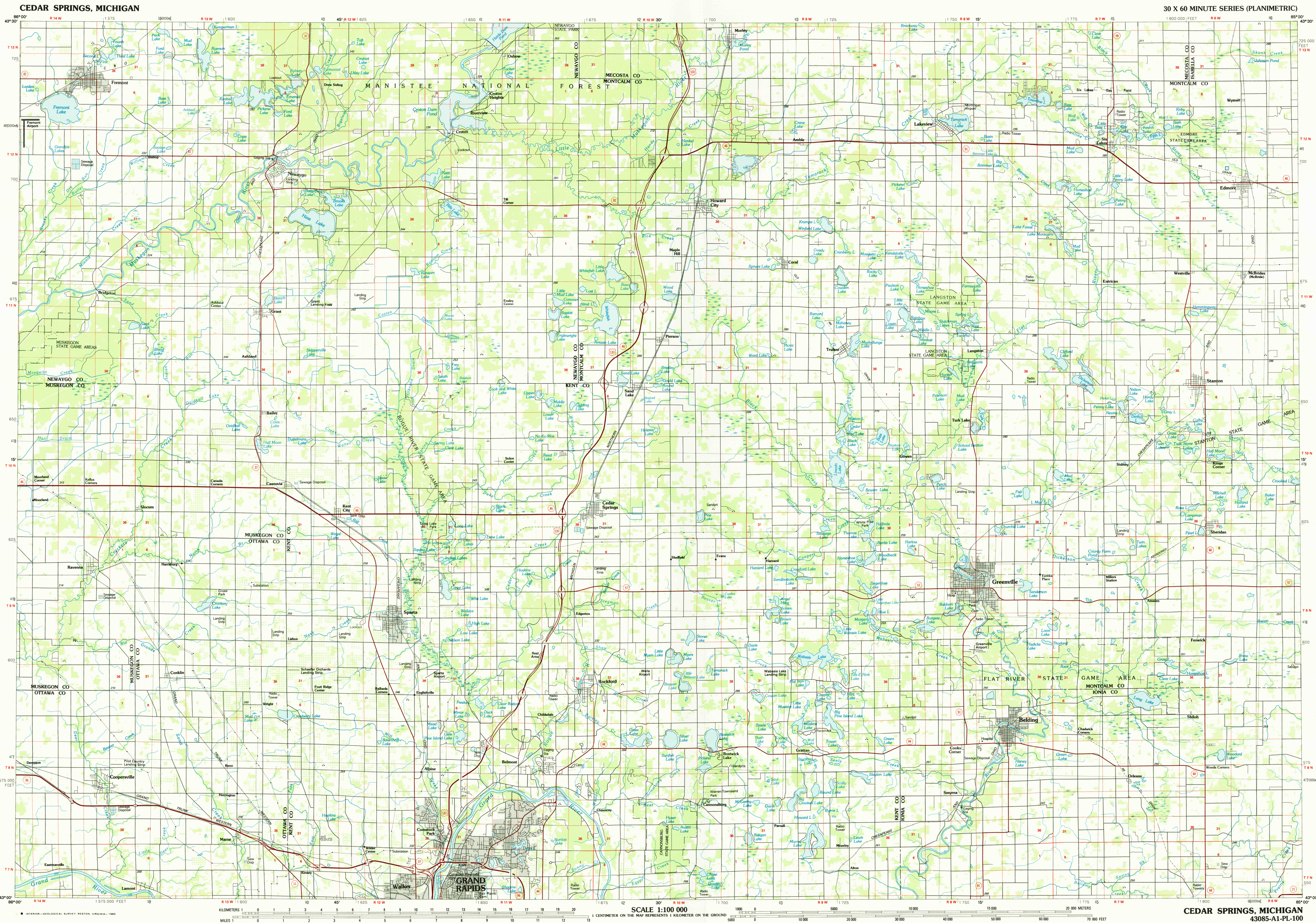
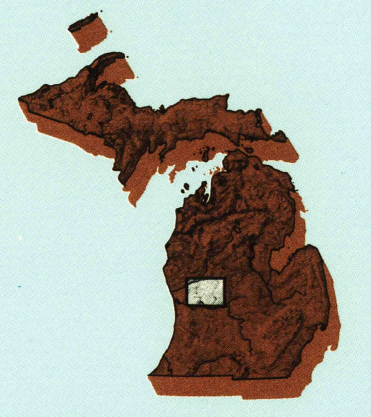




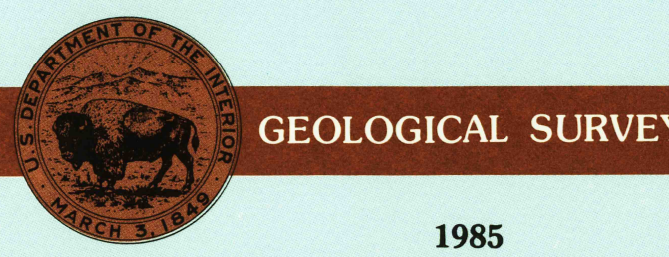
Cedar Springs MICHIGAN

1:100 000-scale
planimetric map



30 X 60 MINUTE QUADRANGLE
SHOWING

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



Produced by the United States Geological Survey
Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps
dated 1958-1981. Planimetry revised from aerial photographs
taken 1980 and other source data. Revised information not
field checked. Map edited 1985
Projection and 10 000-meter grid, zone 16,
Universal Transverse Mercator
25 000-foot grid ticks based on Michigan coordinate
system, south zone
1927 North American Datum
To place on the predicted North American Datum 1983, move
the projection lines 1 meter north and 1 meter east
There may be private inholdings within the boundaries of
the National or State reservations shown on this map

NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

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	29.5275
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 1983 magnetic
declination (MN)
at center of map
Diagram is approximate

ADJOINING MAPS

1	2	3
1 Ludington	2 Big Rapids	3 Midland
4 Muskegon	5 Alma	6 Holland
7 Grand Rapids	8 Lansing	

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 areas: 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: projected
- 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; woodlands
- Scrub; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

SCALE 1:100 000

CEDAR SPRINGS, MICHIGAN
43085-A1-PL-100

1985