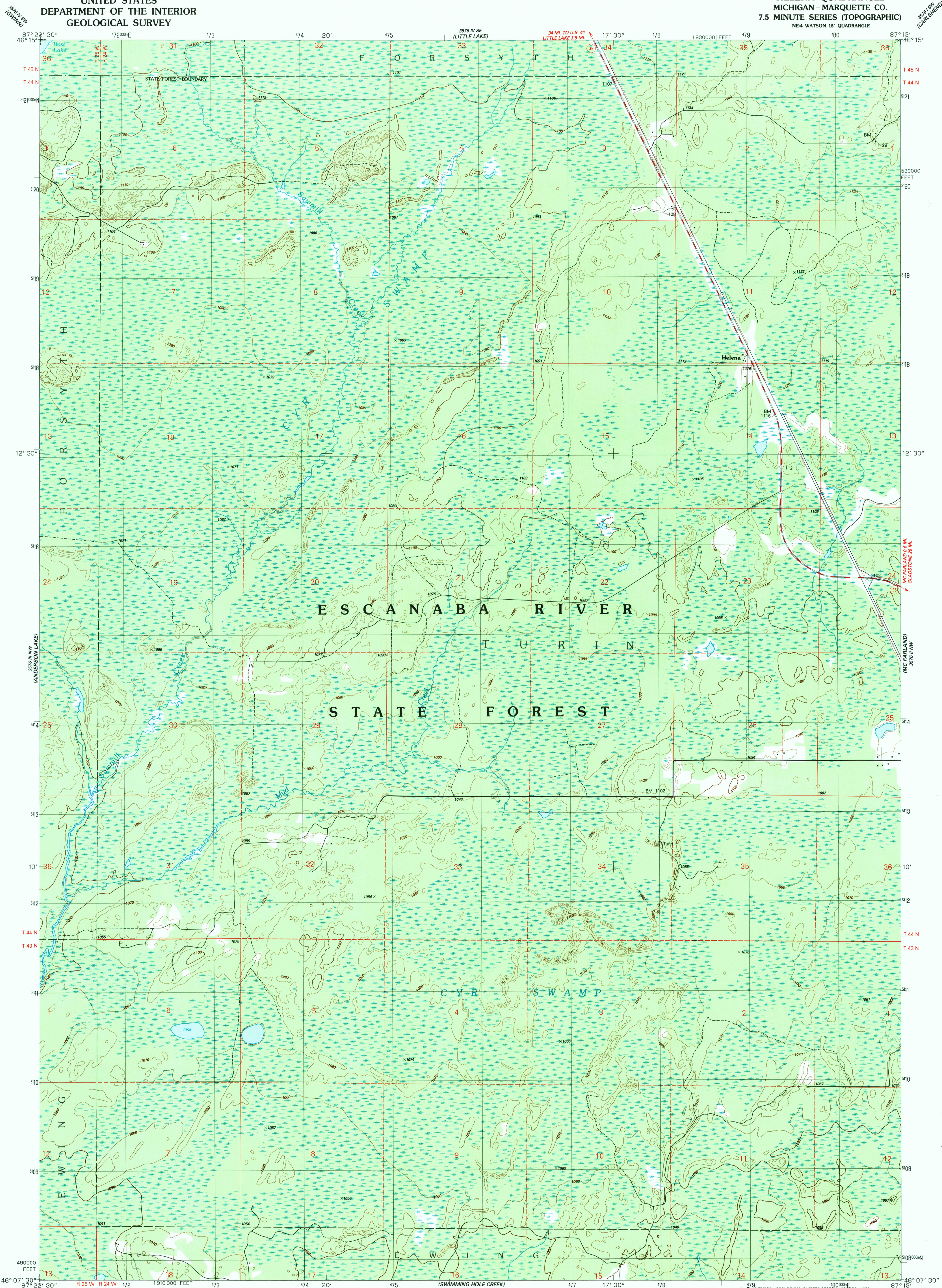


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HELENA QUADRANGLE
MICHIGAN - MARQUETTE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE 4 WATSON 15' QUADRANGLE



Produced by the United States Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1954-55. Revised from aerial photographs taken 1983. Field checked 1987. Map edited 1989.

Projection and 10,000-foot grid ticks: Michigan coordinate system, north zone (Lambert conformal conic)

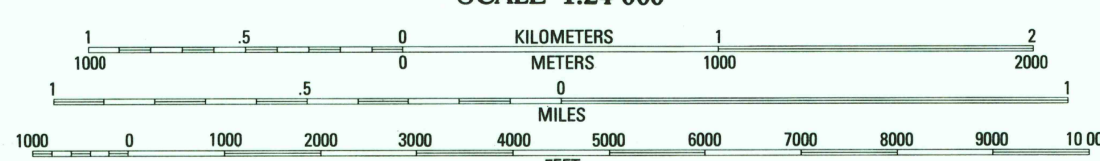
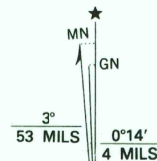
1000-meter Universal Transverse Mercator grid, zone 16

1927 North American Datum

To place on the predicted North American Datum 1983, move the projection lines 7 meters north and 7 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

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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

A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Primary highway, hard surface Light-duty road, hard or improved surface
Secondary highway, hard surface Unimproved road
Interstate Route U. S. Route State Route



QUADRANGLE LOCATION

HELENA, MICH.

NE 4 WATSON 15' QUADRANGLE
46087-B3-TF-024

1989

DMA 3576 III NE - SERIES V862

USGS NMD HISTORICAL MAP
NOV 29 1989
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