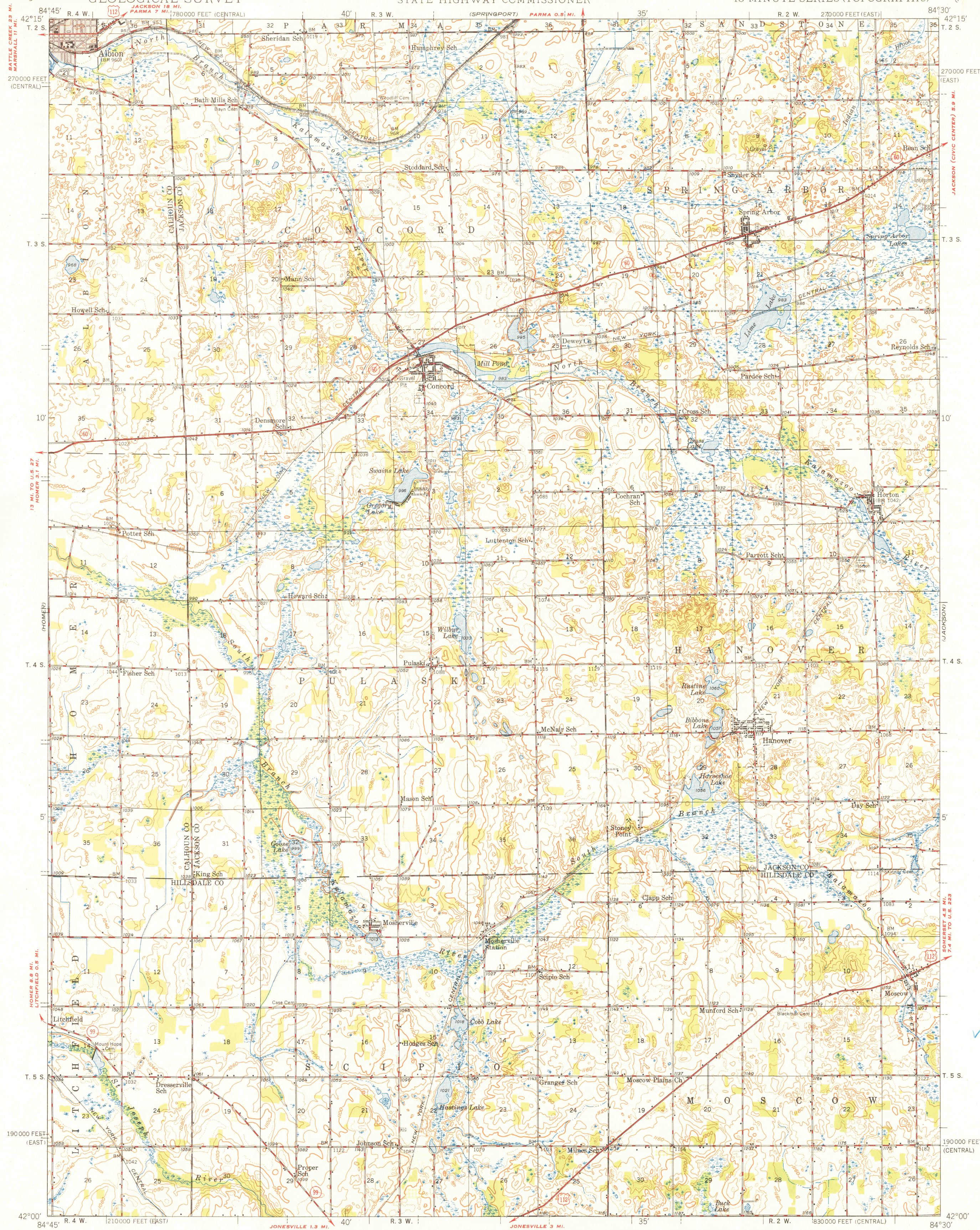


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MICHIGAN
STATE HIGHWAY DEPARTMENT
CHARLES M. ZIEGLER
STATE HIGHWAY COMMISSIONER

SPRING ARBOR QUADRANGLE
MICHIGAN
15 MINUTE SERIES (TOPOGRAPHIC)



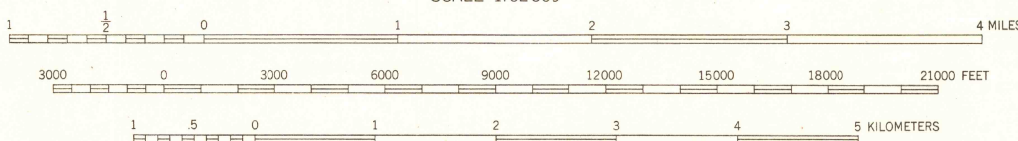
Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS

Culture and drainage in part compiled from
aerial photographs taken 1938
Topography by plane-table methods 1947-1948

Polyconic projection. 1927 North American datum
10,000-foot grids based on Michigan coordinate system,
east and central zones
To join Springport map
use dotted projection corners

Red tint indicates area in which only
landmark buildings are shown

APPROXIMATE MEAN
DECLINATION, 1948



CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT HALF-INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL

WOODLAND
Woods-Brushwood
Orchard

ROAD CLASSIFICATION
HARD-SURFACE ALL WEATHER ROADS
Heavy-duty 4 LANE 1 LANE
Medium-duty 4 LANE 1 LANE
Loose-surface, graded, or narrow hard-surface
U. S. Route
State Route
DRY WEATHER ROADS
Improved dirt
Unimproved dirt

SPRING ARBOR, MICH.
N4200-W8430/15
EDITION OF 1949

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.

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