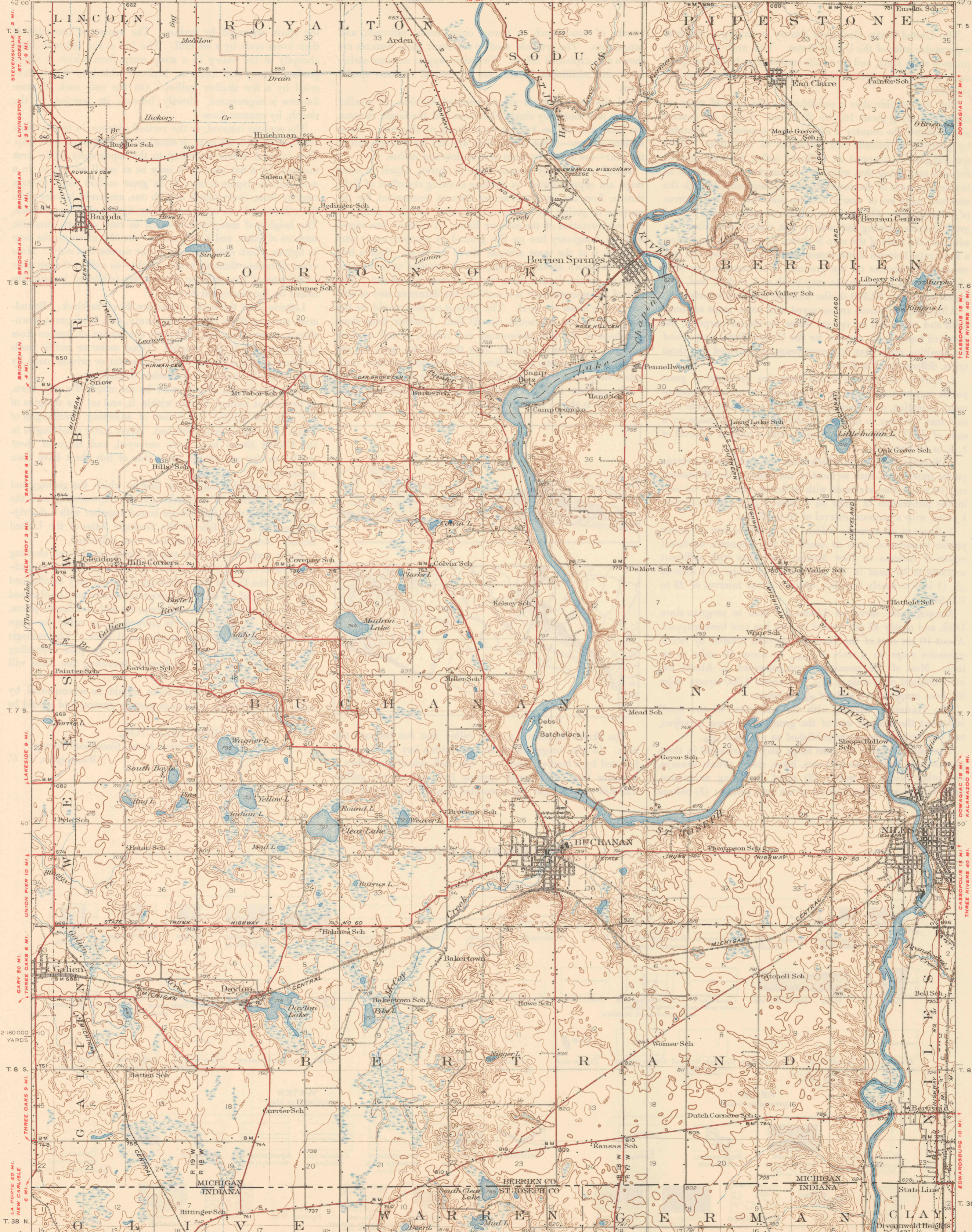


STATE OF MICHIGAN
DEPARTMENT OF CONSERVATION
GEO. R. HOGARTH, DIRECTOR

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
GEOLOGICAL SURVEY DIVISION, R.A. SMITH, STATE GEOLOGIST
MICHIGAN-INDIANA
NILES QUADRANGLE
WATER LIET 14 MI
ST. JOSEPH 7 MI
ST. JOSEPH 8 MI
BENTON HARBOR 10 MI
MILLBURG 10 MI
BENTON HARBOR 12 MI
COLOMA 13 MI
R. 19 W. ST. JOSEPH 7 MI
R. 18 W. BENTON HARBOR 10 MI
R. 17 W. WATER LIET 14 MI
R. 16 W. MILLBURG 10 MI
R. 15 W. BENTON HARBOR 12 MI
R. 14 W. COLOMA 13 MI
R. 13 W. WATER LIET 14 MI
R. 12 W. MILLBURG 10 MI
R. 11 W. BENTON HARBOR 12 MI
R. 10 W. COLOMA 13 MI
R. 9 W. WATER LIET 14 MI
R. 8 W. MILLBURG 10 MI
R. 7 W. BENTON HARBOR 12 MI
R. 6 W. COLOMA 13 MI
R. 5 W. WATER LIET 14 MI
R. 4 W. MILLBURG 10 MI
R. 3 W. BENTON HARBOR 12 MI
R. 2 W. COLOMA 13 MI
R. 1 W. WATER LIET 14 MI



Topography by W.S. Gehres, and A.W. Plushnick
Culture and drainage in part compiled from aerial photographs
taken by Air Corps, U.S. Army
Control by U.S. Geological Survey and U.S. Lake Survey
Surveyed in 1927

Scale 62500
1 2 3 4 Miles
5000 10000 15000 20000 Feet
1 2 3 4 5 Kilometers

Contour interval 20 feet
Datum is mean sea level

Polyconic projection. North American datum
5000 yard grid based upon U.S. zone system, C

1929
NILES, MICH.-IND.
Edition of 1930

HARD IMPERVIOUSLY SURFACED ROADS
OTHER MAIN TRAVELED ROADS

APPROXIMATE MEAN DECLINATION, 1927

LA PORTE 20 MI
NEW CARLISLE 6 MI
THREE OAKS 9 MI
GARY 50 MI
UNION PIER 10 MI
LAKESIDE 9 MI
NEW TROY 3 MI
SAWYER 6 MI
BRIDGE MAN 4 MI
BRIDGE MAN 3 MI
LIVINGSTON 3 MI
STEVENSVILLE 9 MI

SOUTH BEND 12 MI
SOUTH BEND 8 MI
ELKHART 25 MI

EDWARDSBURG 10 MI
CASSOPOLIS 13 MI
DOWAGIAC 15 MI
KALAMAZOO 55 MI
DOWAGIAC 12 MI
THREE RIVERS 40 MI