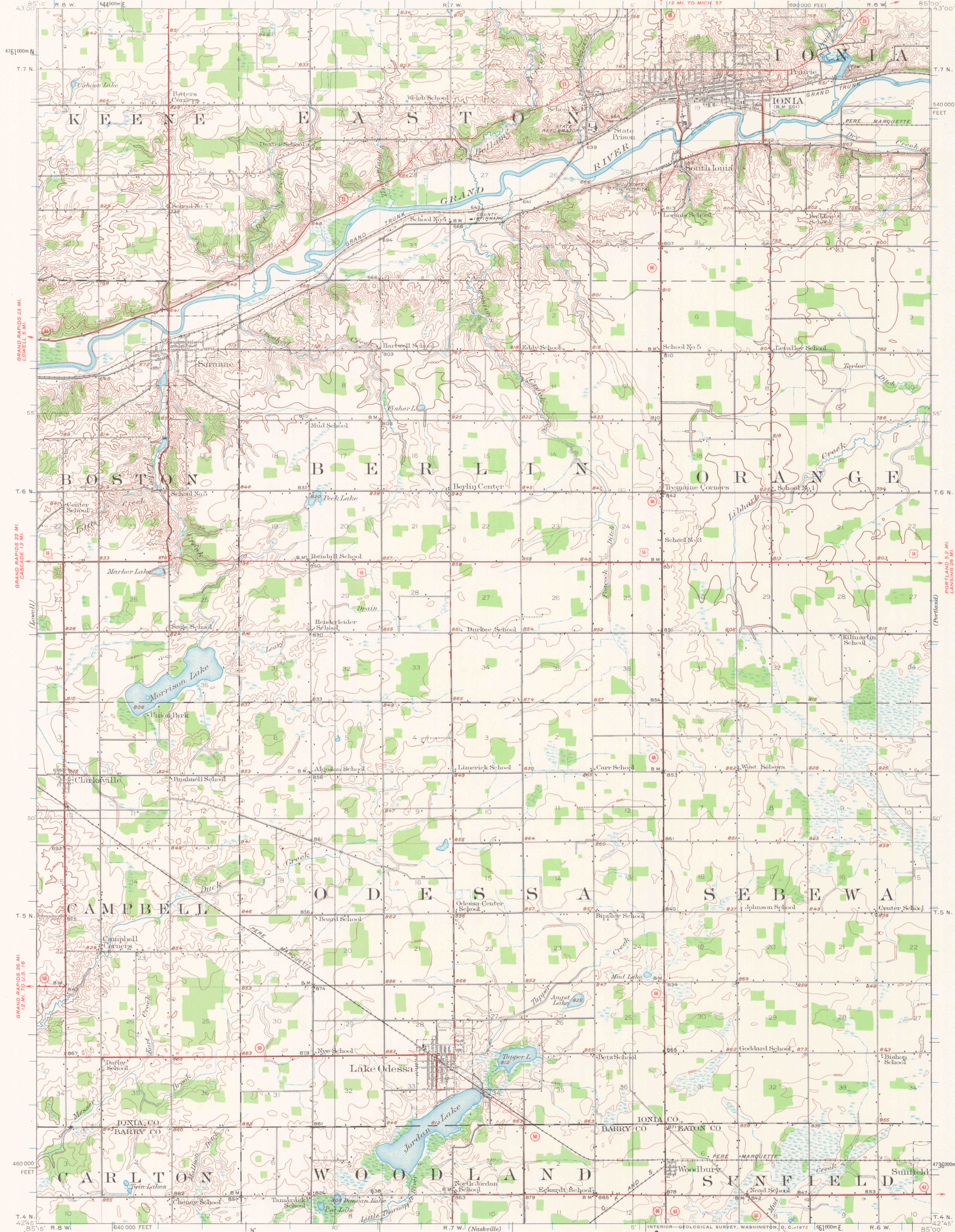


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MICHIGAN
BOARD OF GEOLOGICAL SURVEY

MICHIGAN
IONIA QUADRANGLE

ST. JOHNS 24 MI.
MUIR 4 MI.
(Polo 1:24,000)



W. H. Herron, Acting Chief Geographer.
Glenn S. Smith, Topographic Engineer in charge.
Topography by J. H. Jennings and L. L. Lee.
Control by J. R. Ellis, Oscar Jones, L. D. Townsend,
H. S. Senseney, and E. C. Bibbee.
Surveyed in 1916.

ROAD CLASSIFICATION
Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———
U. S. Route State Route

APPROXIMATE MEAN
DECLINATION, 1953

SCALE 1:62,500
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL
1 2 3 4 5 KILOMETERS
3000 6000 9000 12000 15000 18000 21000 FEET

Polyconic projection
10,000-foot grid based on Michigan (Central)
rectangular coordinate system
1000-meter Universal Transverse Mercator grid ticks,
zone 16, shown in blue
KELLY 6.6 MI.
CHARLOTTE 10.0 MI.

IONIA, MICH.
N 4245—W 8500/15

1916

FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST