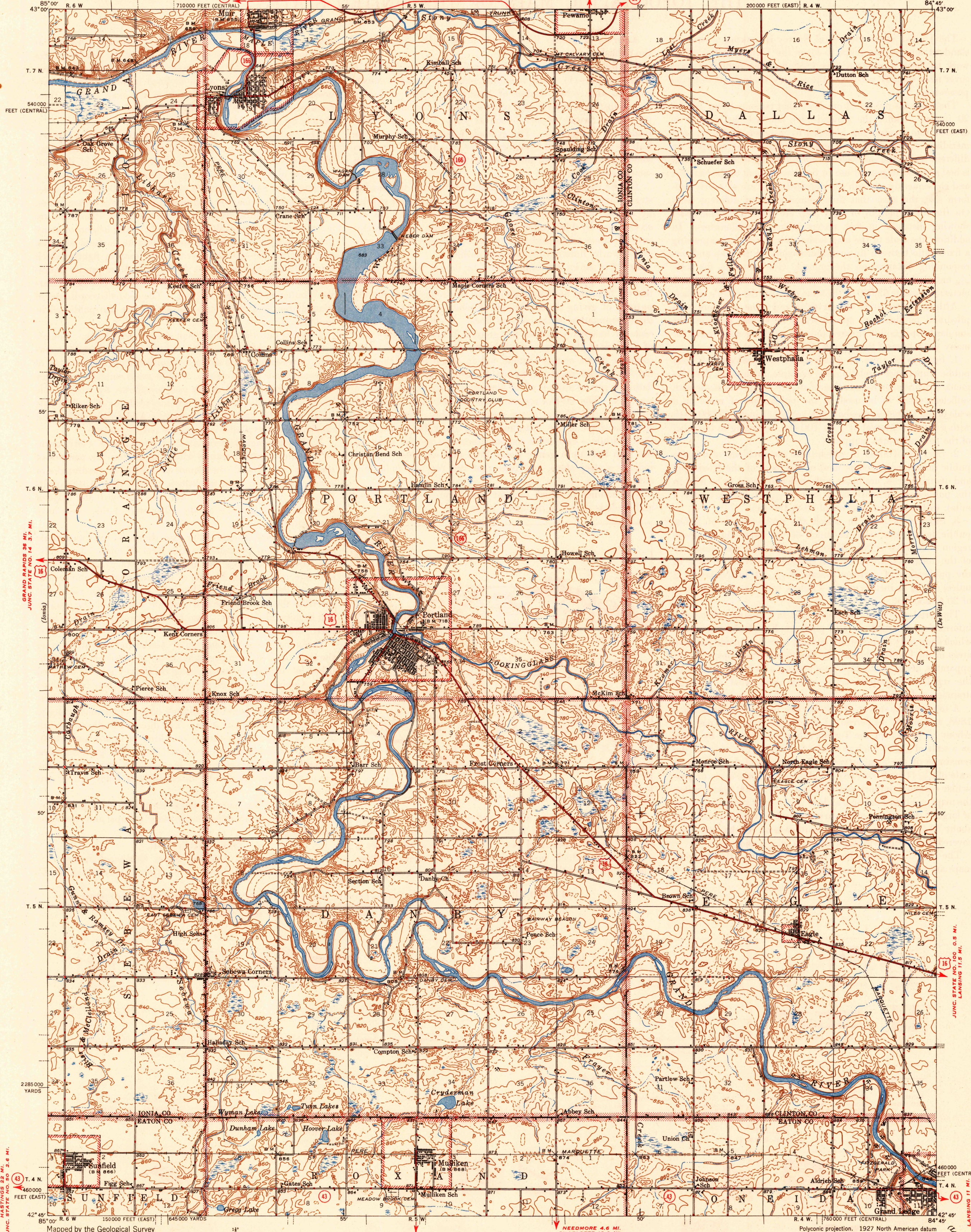


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MICHIGAN
STATE HIGHWAY DEPARTMENT
CHARLES M. ZIEGLER
STATE HIGHWAY COMMISSIONER

MICHIGAN
PORTLAND QUADRANGLE
15-MINUTE SERIES



Map by the Geological Survey
1945

JUNC. STATE NO. 50 2 MI.

ROAD CLASSIFICATION
1945

Dependable hard-surface
heavy-duty road
Secondary hard-surface
all weather road
More than two lanes indicated along road with tick at point of change

Dry weather roads
Loose-surface graded
Unsurfaced, graded
Dirt road

U. S. Route
State Route

APPROXIMATE MEAN
DECLINATION, 1945

Scale 1:62500

1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Feet

1 2 3 4 5 Kilometers

Contour interval 20 feet
10 foot contours in dashed lines
Datum is mean sea level

PORTLAND, MICH.
Edition of 1946

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