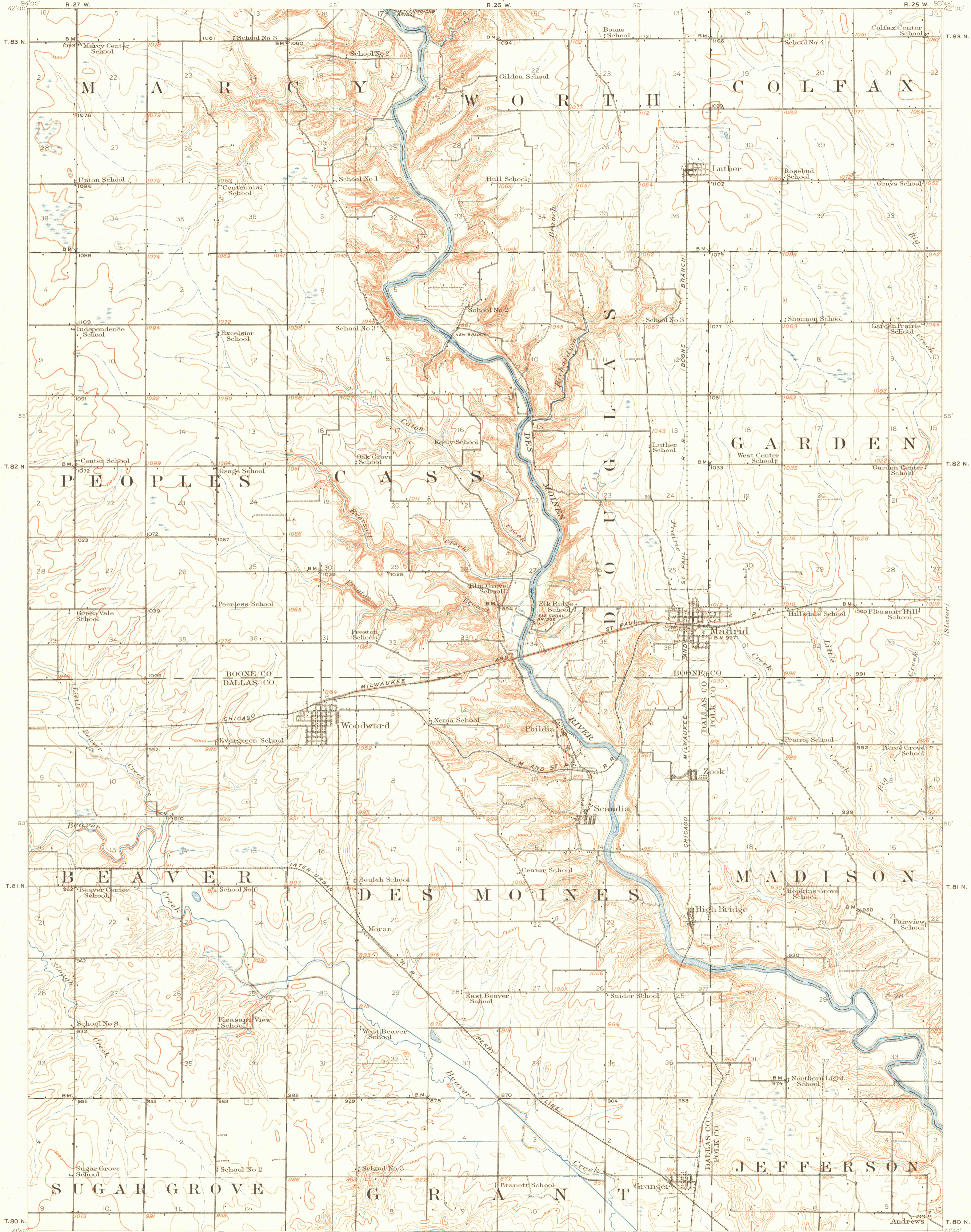


TOPOGRAPHY

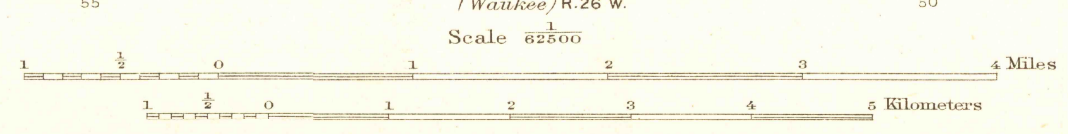
STATE OF IOWA
GEOLOGICAL SURVEY
GEO. F. KAY, DIRECTOR

IOWA
MADRID QUADRANGLE
R. 25 W. 93° 45' 42" W.

U.S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR
R. 27 W.



R.B. Marshall, Chief Geographer.
W.H. Herron, Geographer in charge.
Topography by W.L. Miller.
Control by J.R. Ellis, C.B. Kendall, and Howard Clark.
Surveyed in 1911.



Contour interval 20 feet.
Datum is mean sea level.

Approximate Mean Declination 1911.
MADRID

SURVEYED IN COOPERATION WITH THE STATE OF IOWA.