

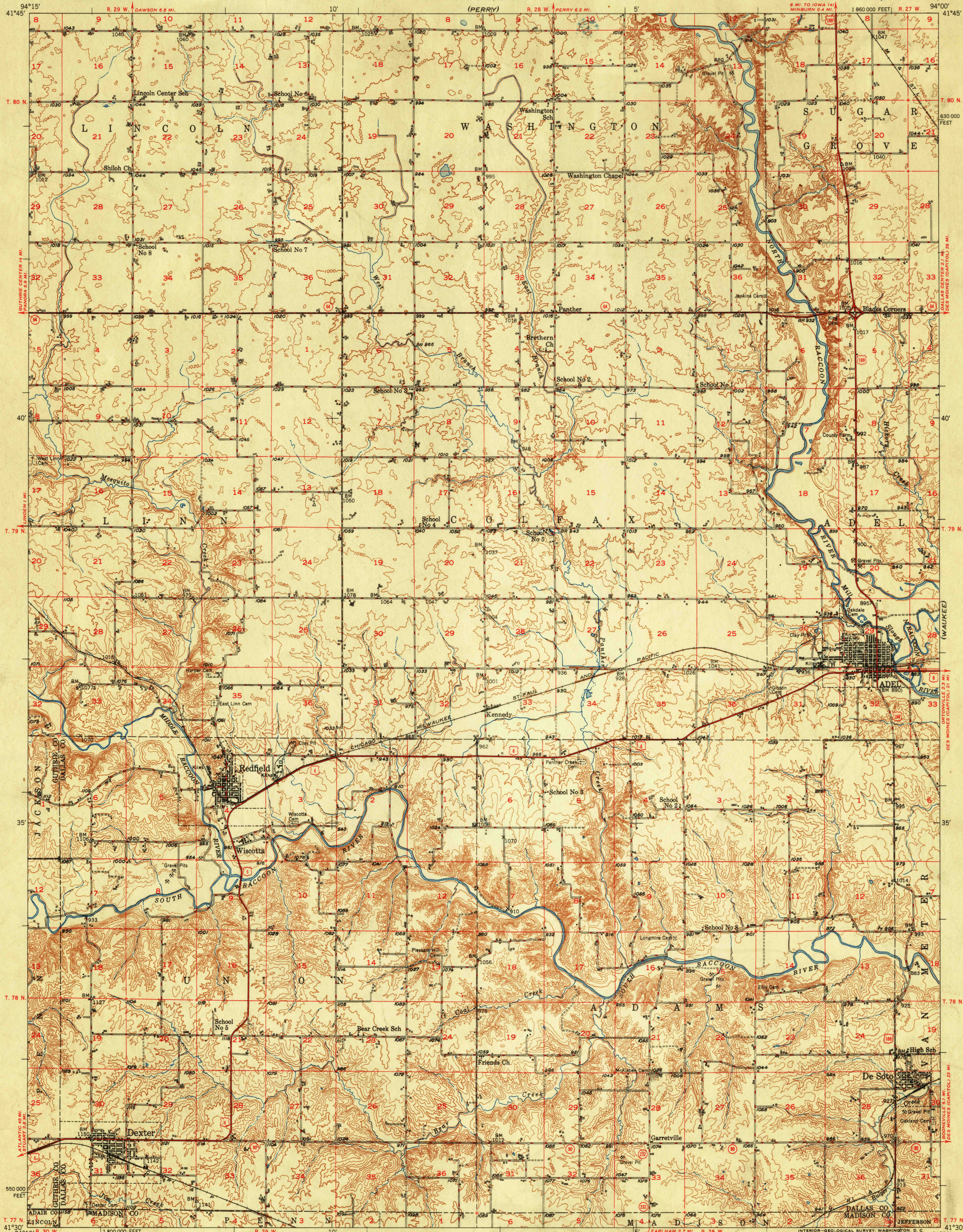
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

STATE OF IOWA  
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IOWA CITY, IOWA

ADEL QUADRANGLE  
IOWA

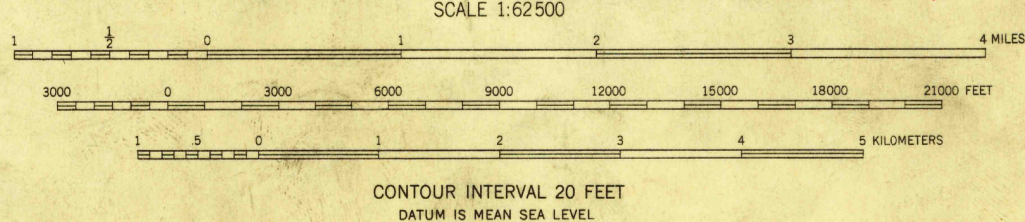
15 MINUTE SERIES (TOPOGRAPHIC)

(MADRID)



Mapped, edited, and published by the Geological Survey  
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Topography by multiplex methods from aerial photographs  
taken 1947, and by plane-table surveys 1949  
Field check 1949  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Iowa coordinate system,  
south zone

TRUE NORTH  
MAGNETIC NORTH  
APPROXIMATE MEAN  
DECLINATION, 1949



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

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