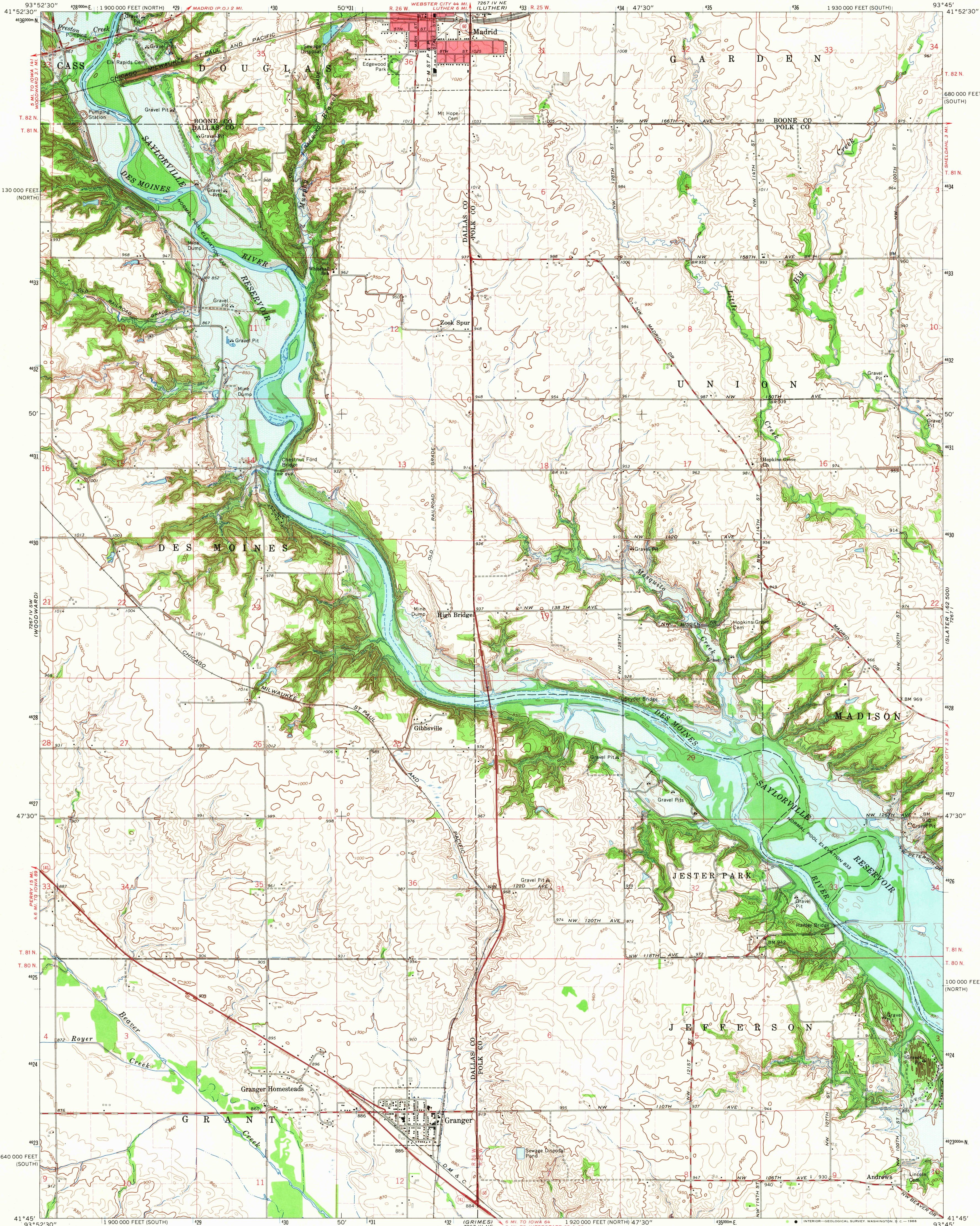


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

GRANGER QUADRANGLE  
IOWA  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
SE/4 MADRID 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS

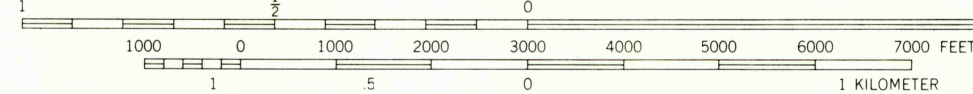
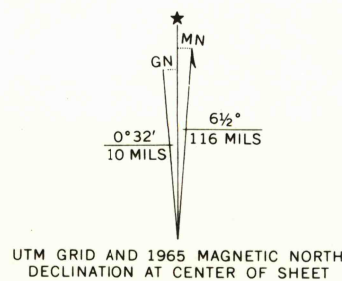
Topography by photogrammetric methods from aerial  
photographs taken 1963. Field checked 1965

Polyconic projection. 1927 North American datum  
10,000-foot grids based on Iowa coordinate system,  
north and south zones  
1000-meter Universal Transverse Mercator grid ticks,  
zone 15, shown in blue

Area covered by dashed light-blue pattern  
is subject to controlled inundation

Red tint indicates area in which only landmark buildings are shown

Fine red dashed lines indicate selected fence and field lines where  
generally visible on aerial photographs. This information is unchecked



CONTOUR INTERVAL 10 FEET  
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
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AND BY THE IOWA GEOLOGICAL SURVEY, IOWA CITY, IOWA 52242  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS  
Historical File  
Topographic Division



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

U.S.G.S.  
GRANGER, IOWA  
SE/4 MADRID 15' QUADRANGLE  
N4145—W9345/7.5

TOPOGRAPHIC DIVISION  
AMS 7267 IV SE—SERIES V876