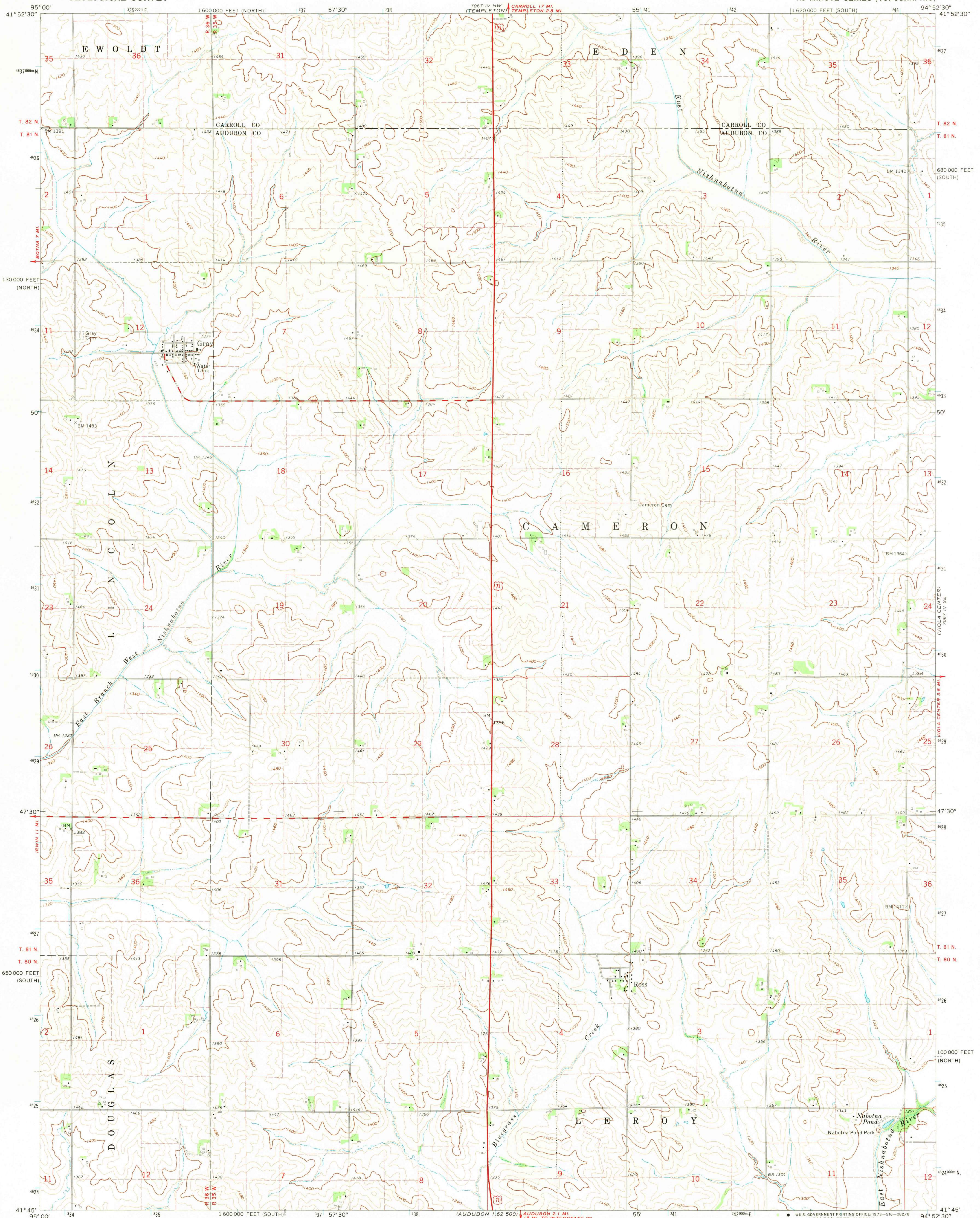


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

GRAY QUADRANGLE  
IOWA  
7.5 MINUTE SERIES (TOPOGRAPHIC)



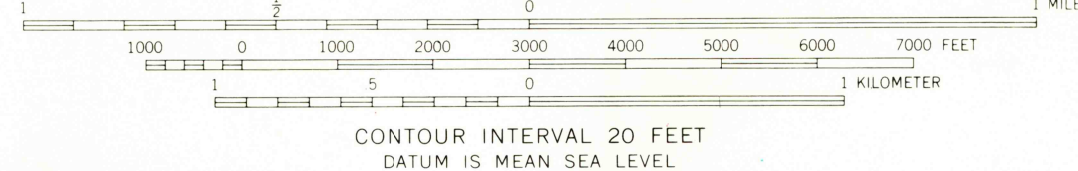
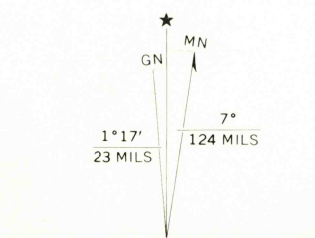
Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1966. Field checked 1971

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

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



ROAD CLASSIFICATION  
Primary highway, light-duty road, hard or improved surface  
Secondary highway, hard surface  
Unimproved road  
Interstate Route  
U.S. Route  
State Route

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242  
AND BY THE IOWA GEOLOGICAL SURVEY, IOWA CITY, IOWA 52240  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS  
HISTORICAL FILE  
TOPOGRAPHIC DIVISION

GRAY, IOWA  
N4145-W9452.5/7.5

1971

AMS 7067 IV SW-SERIES V876

NOV 8 1973  
Hoen  
2500  
50 plane