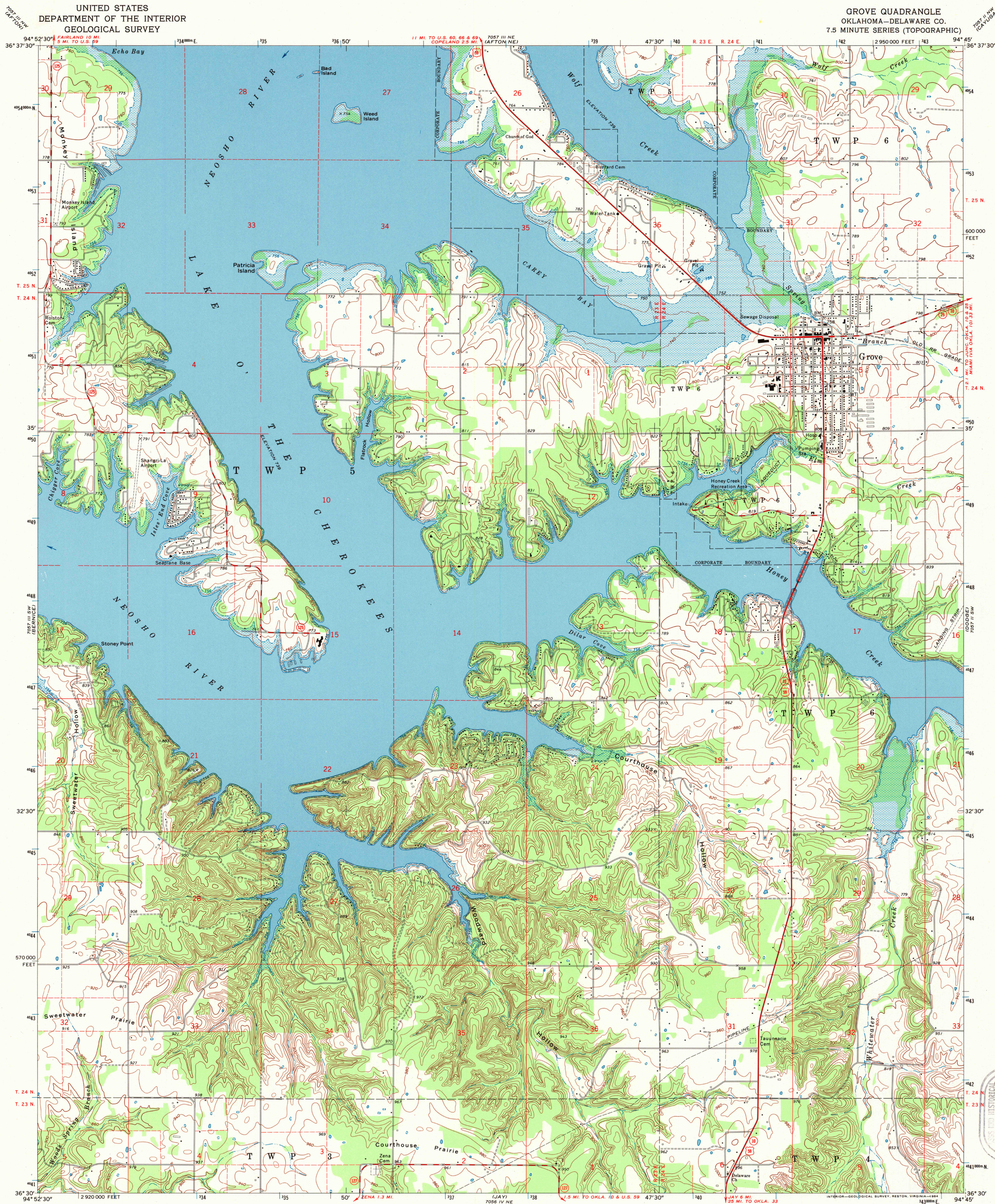
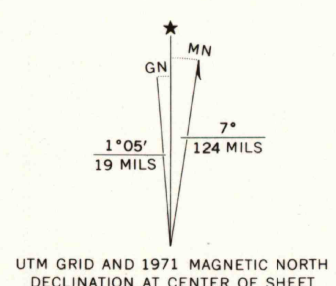


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GROVE QUADRANGLE
OKLAHOMA—DELAWARE CO.
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 1970. Field checked 1971
Polyconic projection. 1927 North American datum
10,000-foot grid based on Oklahoma coordinate system, north zone
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue
Areas covered by dashed light-blue pattern
are subject to controlled inundation
To place on the predicted North American Datum 1983,
move the projection lines 4 meters south and
20 meters east as shown by dashed corner ticks
Map photocopied 1981
No major culture or drainage changes observed



SCALE 1:24,000
CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND OKLAHOMA GEOLOGICAL SURVEY, NORMAN, OKLAHOMA 73069
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Primary highway, hard surface ————
Secondary highway, hard surface ————
Unimproved road ————
Interstate Route ————
U. S. Route ————
State Route ————

GROVE, OKLA. 12
N3630-W9445/7.5
1971
PHOTOINSPECTED 1981
AMS 7057 III SE-SERIES V883

U.S. GEOLOGICAL SURVEY
NATIONAL MAPS
MAR 31 1986
REC'D FILE COPY

ISBN 0-607-43142-1
9 780607 431421