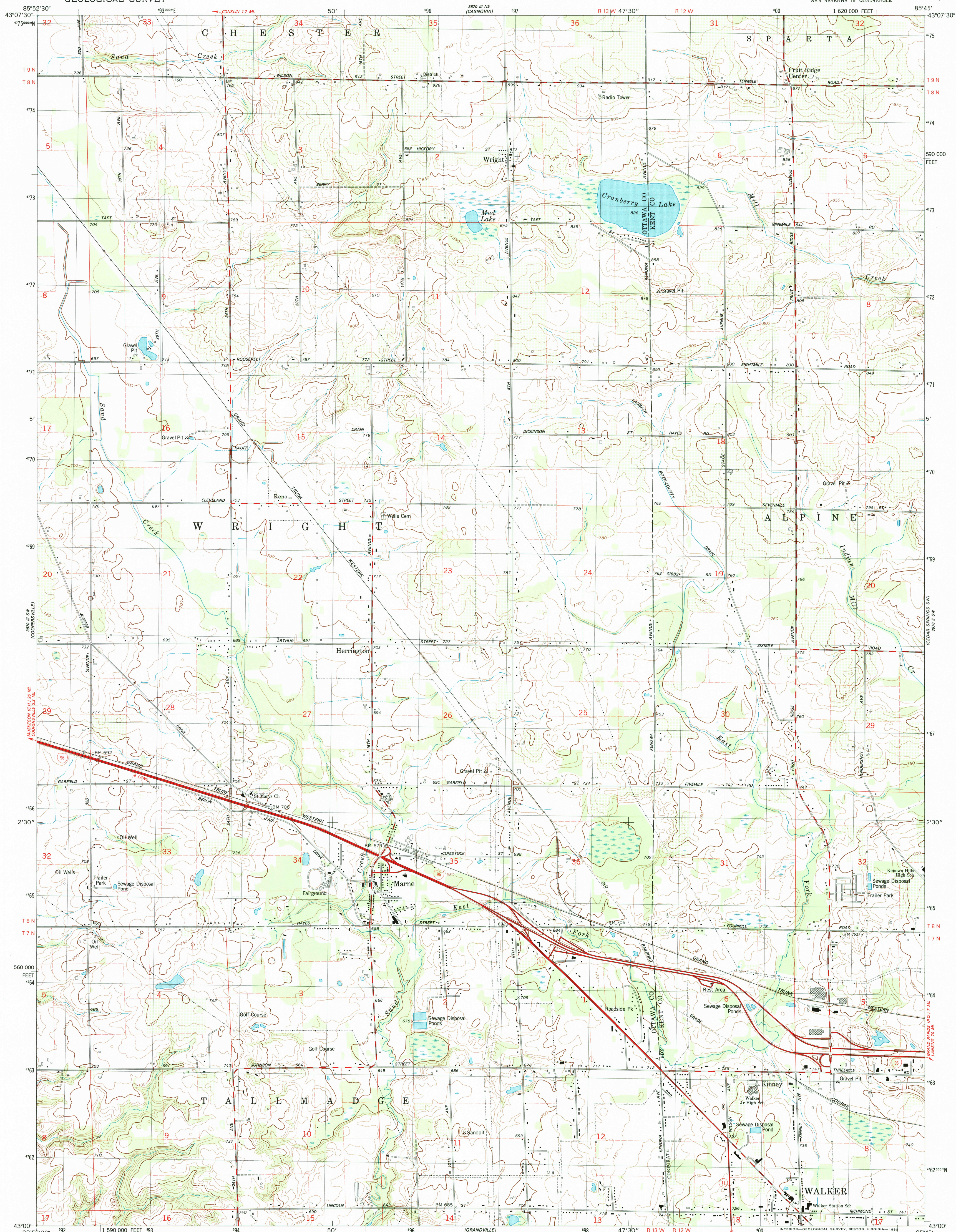
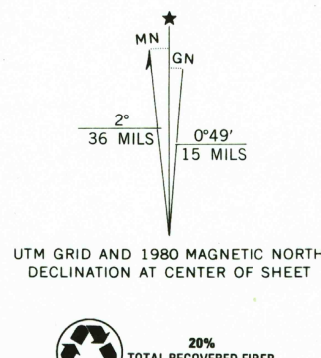


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MARNE QUADRANGLE
MICHIGAN
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE 4 RAVENNA 15' QUADRANGLE
1:62,000 FEET



Mapped, edited, and published by the Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs
taken 1973. Field checked 1975. Map edited 1980
Projection and 10,000-foot grid ticks: Michigan coordinate
system, south zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid, zone 16
1927 North American Datum
To place on the predicted North American Datum 1983
move the projection lines 1 meter north and
2 meters east as shown by dashed corner ticks
Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked



SCALE 1:24,000
1 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 2 3 4 5 6 7 8 9 10 KILOMETER
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
AND BY THE GEOLOGICAL SURVEY DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES, LANSING, MICHIGAN 48909
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



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

MARNE, MICH.
SE 4 RAVENNA 15' QUADRANGLE
N4300-W8545/7.5
1980

DMA 3870 III SE-SERIES V862

RECEIVED

AUG 31 2000

USGS MND
HISTORICAL MAP ARCHIVES

