



Maped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography from aerial photographs by Kelsh plotter  
and by planimeter surveys 1955. Aerial photographs taken 1954  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Kansas coordinate system,  
north zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 14, shown in blue  
Revisions shown in purple compiled from aerial photographs taken  
1977. Map edited 1978. This information not field checked

UTM GRID AND 1978 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

SCALE 1:24,000  
1 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET  
1 5 10 15 20 25 30 35 40 KILOMETER

CONTOUR INTERVAL 10 FEET  
DOTTED LINES REPRESENT 5-FOOT CONTOURS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
U.S. Route ——— State Route ———  
Interstate Route ———

KANSAS  
QUADRANGLE LOCATION

NILES, KANS.  
N 3852.5—W 9722.5/7.5  
1955  
PHOTOGRAPHED 1978  
AMS 6561 IV NW—SERIES V878