WATHENA QUADRANGLE
KANSAS—MISSOURI
7.5 MINUTE SERIES (ORTHOPHOTOQUAD)

MISSOURI RIVER

BROWNING LAKE

BLAIR

WATHENA

ELWOOD

SCALE 1:24 000

1000   0   1000   2000   3000   4000   5000   6000   7000 FEET
1   .5   0   1 MILE
1   .5   0   1 KILOMETER

PRINCIPAL NUMBERED HIGHWAYS
Interstate Route   U. S. Route   State Route

GN   MN

1°14'
22 MILS

6°
107 MILS

UTM GRID AND 1980 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

KANSAS

QUADRANGLE LOCATION

This quadrangle area also covered by
1:24 000-scale topographic map

Produced and published by the Geological Survey
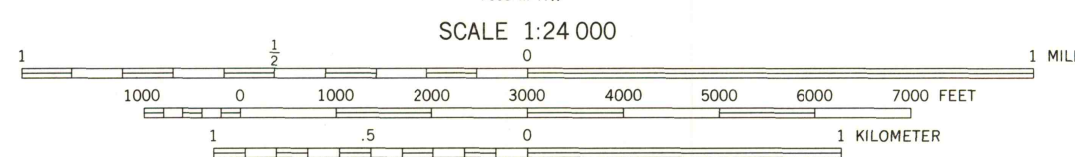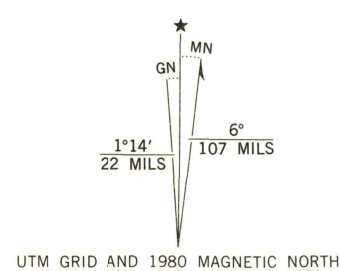in cooperation with the Soil Conservation Service

Orthophotograph prepared from 1:80 000-scale
aerial photograph taken March 21, 1980

Projection: Kansas coordinate system, north zone
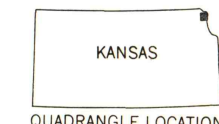(Lambert conformal conic)
10,000-foot grid ticks based on Kansas coordinate system,
north zone and Missouri coordinate system, west zone
1000-meter Universal Transverse Mercator grid, zone 15
1927 North American Datum

To place on the predicted North American Datum 1983
move the projection lines 4 meters north and
21 meters east as shown by dashed corner ticks

Photoimagery rectified by optical scanning
which may produce double or mismatched images;
use the mean of image positions for map point

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092,
STATE GEOLOGICAL SURVEY, LAWRENCE, KANSAS 66044,
AND THE DIVISION OF GEOLOGY AND LAND SURVEY
MISSOURI DEPARTMENT OF NATURAL RESOURCES, ROLLA, MISSOURI 65401

Land lines from corresponding 1:24 000-scale topographic
map dated 1961. There may be discrepancies between
positions of land lines and photoimagery

WATHENA, KANS.—MO.
N3945—W9452.5/7.5

1980

DMA 7063 IV SW—SERIES V078

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1981

DEC 8 1981