UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
WALLACE B. HOWE, STATE GEOLOGIST

HARTSHORN QUADRANGLE
MISSOURI
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 CEDARGROVE 15' QUADRANGLE

7658 IV NE (LUCKING) · 7658 I NW (MONTAUK) · 7658 I NE (CEDARGROVE)

91°45′ · 37°22′30″ · 611 000m E · 140 000 FEET (EAST) · 42′30″ · 40′ · R. 7 W. · R. 6 W. · 750 000 FEET (CENTRAL) · 91°37′30″ · 37°22′30″

MONTAUK 6.1 MI.

4136 000m N · 560 000 FEET (EAST) · 560 000 FEET (CENTRAL)

RAYMONDVILLE 4.9 MI.

T. 31 N. · T. 30 N.

20′

17′30″

7658 III (RAYMONDVILLE) · 7658 II SE (LEWIS HOLLOW) · 7658 II SE

AKERS 7.8 MI. · SALEM 29 MI.

4125 000m N · 520 000 FEET (CENTRAL) · 520 000 FEET (EAST)

37°15′ · 91°45′ · 1.9 MI. TO MISSOURI 17 · 730 000 FEET (CENTRAL) · 42′30″ · (SUMMERSVILLE) 7658 II NW · SUMMERSVILLE 5.4 MI. · 40′ · R. 7 W. · R. 6 W. · 621 000m E · 170 000 FEET (EAST) · 37°15′ · 91°37′30″ · (SUMMERSVILLE NE) 7658 II NE

7658 III (CLEAR SPRINGS) 1:62 500

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1949. Field check 1951

Polyconic projection. 1927 North American datum
10,000-foot grids based on Missouri coordinate system, east and central zones

Unchecked elevations are shown in brown

1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue

Map photoinspected 1973
No major culture or drainage changes observed

MN · GN · 0°48′ 14 MILS · 6½° 116 MILS

UTM GRID AND 1951 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

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

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION

Heavy-duty · 4 LANE | 6 LANE · Light-duty
Medium-duty · 4 LANE | 6 LANE · Unimproved dirt
U. S. Route · State Route

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092,
AND THE DIVISION OF RESEARCH AND TECHNICAL INFORMATION
MISSOURI DEPARTMENT OF NATURAL RESOURCES, ROLLA, MISSOURI 65401
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS
Historical File
Topographic Division

HARTSHORN, MO.
SW/4 CEDARGROVE 15' QUADRANGLE
N3715 — W9137.5/7.5
1951
PHOTOINSPECTED 1973
AMS 7658 I SW—SERIES V879

1300

JUL 18 1977