UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CARBONDALE QUADRANGLE
ILLINOIS
7.5 MINUTE SERIES (TOPOGRAPHIC)

89°15′ — 37°45′ — 89°07′30″ — 37°37′30″

302 000m E. — 240 000 FEET (EAST) — 800 000 FEET (WEST) — 380 000 FEET (EAST) — 360 000 FEET (WEST) — 390 000 FEET (WEST) — 370 000 FEET (EAST) — 770 000 FEET (WEST) — 270 000 FEET (EAST)

4180 000m N. — 4178 — 4177 — 4176 — 4175 — 4174 — 4173 — 4172 — 4171 — 4170 — 4169 — 4168 — 4167 000m N.

12′30″ — 42′30″ — 40′

R. 1 W. — R. 1 E. — T. 9 S. — T. 10 S.

3159 IV SE (MURPHYSBORO) — 3159 I NE (POMONA) — 3159 II NW (CRAB ORCHARD LAKE) — 3159 II SW (MAKANDA) — 3159 II SE (COBDEN) — 3159 IV NE (LICK CREEK)

DU QUOIN 20 MI. DE SOTO 4.7 MI. — CAMBRIA 2.3 MI. — PINCKNEYVILLE 31 MI. MURPHYSBORO 5 MI. — CARTERVILLE 2.5 MI. 9 MI. TO INTERSTATE 57 — 4.5 MI. TO ILL. 127 — 9 MI. TO ILL. 148 — ANNA 12 MI. 39 MI. TO INTERSTATE 57

CARBONDALE — C A R B O N D A L E — M A K A N D A — N A T I O N A L F O R E S T — S H A W N E E

CRAB ORCHARD LAKE — NATIONAL WILDLIFE REFUGE — CRAB ORCHARD NAT WILDLIFE RFG — CRAB ORCHARD NATIONAL WILDLIFE REFUGE — EVERGREEN PARK — GIANT CITY STATE PARK

Little Crab Orchard Creek — Crab Orchard Creek — Little Crab Orchard Creek — Piles Fork — Drury Creek — Indian Creek — Sycamore Creek — Lost Branch — Little Grassy Creek — Little Grassy Lake — Carbondale Reservoir — Campus Lake

Crab Orchard Estates — Antioch Ch — Jackson Co — Williamson Co — Principal Meridian — Third Principal Meridian — Railroad Grade — Old — 2 Lane — Trailer Park — Picnic Area — Picnic Areas — Boat Ramp — Marina — Hogan Point — Pine Island — Campground — Lookout Point — Outlet — Spillway Elev 405 — Spillway Elev 500 — Boundary — Refuge — BDY — Rng — Sewage Disposal — Substation — Water Tank — Oakland Cemetery — Renfro Park — Thomas Sch — Radio Tower — Armory — Springmore Sch — Community High Sch — Hosp — City Hall — PO — Holden Hospital — Lincoln Jr High Sch — Whisler Sch — University Sch — Lewis Sch — Lakeland Ch — Lakeland Sch — Snider Hill Cem — Trailer Park — Fountbridges — Radio Tower (WSIU) — Fish Hatchery — Pleasant Hill Sch — Outlet — Drury Ch — Mine — Unity Point Sch — Boskydell — South County Line Ch — Zion Ch — Cem — Water Tank — Pine Ridge Camp — Camp Carew — Cedar Point Camp — Makanda — Substation

BM 391 — BM 393 — BM 398 — BM 407 — BM 409 — BM 415 — BM 420 — BM 423 — BM 424 — BM 430 — BM 441 — BM 442 — BM 452 — BM 555 — BM 574

BR 410 — BR 386 — BR 387 — BR 395 — BR 406

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1963. Field checked 1966

Polyconic projection. 1927 North American datum
10,000-foot grids based on Illinois coordinate system, west and east zones
1000-meter Universal Transverse Mercator grid ticks, zone 16, shown in blue

Red tint indicates areas in which only landmark buildings are shown

To place on the predicted North American Datum 1983, move the projection lines 3 meters south and 6 meters east as shown by dashed corner ticks

There may be private inholdings within the boundaries of the National or State reservations shown on this map

UTM GRID AND 1990 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Contours in strip mine area may not accurately represent present topography

SCALE 1:24 000

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

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

GEOLOGICAL AND HISTORICAL SURVEY
AUG 31 1987
REC'D FILE COPY

ILLINOIS
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — 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 ILLINOIS GEOLOGICAL SURVEY, CHAMPAIGN, ILLINOIS 61820
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple compiled in cooperation with U.S. Forest Service from aerial photographs taken 1988 and other sources. Partially field checked by U.S. Forest Service. Map edited 1990

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1966
PHOTOREVISED 1990
DMA 3159 II NW – SERIES V863

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