UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF INDIANA
INDIANA DEPARTMENT OF CONSERVATION
INDIANAPOLIS, INDIANA

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL SURVEY

COSMOS QUADRANGLE
INDIANA—OHIO
7.5 MINUTE SERIES (TOPOGRAPHIC)

4064 IV NW (FORT LAMY)
4064 I NW (COLDWATER)
4064 IV NE (FORT RECOVERY)
4064 II NW (WINCHESTER)
4064 II NE (UNION CITY)
4064 I SW (ROSSBURG)
4064 II SW (DEERFIELD)
4064 II NW (ANSONIA)

84°52'30" 40°22'30" 84°45' 40°15' 17'30" 20'
1 340 000 FEET (OHIO SOUTH) 1 370 000 FEET (OHIO NORTH) 750 000 FEET (IND.) 730 000 FEET (IND.) 1 030 000 FEET (IND.) 870 000 FEET (OHIO SOUTH) 260 000 FEET (OHIO NORTH) 230 000 FEET (OHIO NORTH) 1 010 000 FEET (IND.) 830 000 FEET (OHIO SOUTH)
4471 000m.N. 4470 4468 4467 4466 4465 4463 4462 4461 4459 4458 4452 000m.N.
682 000m.E. 684 685 688 689 691 000m.E.

SALAMONIA 1.5 MI. FORT RECOVERY 2.5 MI. FORT RECOVERY 2.6 MI. SHARPSBURG 2.2 MI. 6 MI. TO U.S. 27 BOUNDARY CITY 2.9 MI. LIGHTSVILLE 5.6 MI. GREENVILLE 19 MI. NEW PITTSBURG 1.3 MI. ROSE HILL 1.3 MI. BROCK 10 MI. DEERFIELD (JUNC. U.S. 27) 6 MI. NEW LISBON 0.4 MI. 1.8 MI. TO IND. 28 UNION CITY 3.5 MI.

T. 15 N. T. 14 N. T. 22 N. T. 21 N. T. 19 N. T. 18 N. T. 13 N.
R. 15 E. R. 1 E. R. 1 W.

INDIANA OHIO

MADISON JACKSON MISSISSINAWA GIBSON

MERCER CO DARKE CO JAY CO RANDOLPH CO

Madison Township Sch Pleasant Hill Speedway Salem Miracle Ch Hoover Cem Township Sch Oil Wells Gas Well Pumping Station Bethel Ch Watkins Gas Well Oil Well Microwave Tower New Weston Oil Wells Gas Well North Dayton Twin Willows Lake Gas Wells Pleasant Ridge Ch Cem Bucks Corner Mt Zion Cem Township Hall Pleasant Hill Ch Cem Gas Well Cosmos Roper Chapel Sugar Grove Ch Pleasant Valley Ch

BM 997 BM 983 BM 1016 BM 1024 BM 1061 BM 1069 BM 1023 BM 1077 BM 1011 BM 1014 BM 1030 BM 1046 BM 1084 BM 1121 BM 1065 BM 1050 BM 1059

Mad River Creek Speed Run Simison Ditch Jordon Creek Mississinewa River Harshman Creek Lows Creek Little Branch Wabash River Fort Recovery Creek Jordon River Gray Ditch Stillwater River

Old Indian Treaty Bdy Rd E 197 E 201 E Madison Rd 150 South Rd Mc Laughlin Rd Salamonie River Rd 217 E Sheffer Ditch Rd 154 South Rd 160 South Rd Township Sch Rd 213 E 203 E 170 South Rd Henry Ditch Peden Rd 180 South Rd Miracle Ch Rd 223 E 190 South Rd Salem Rd Jordon Creek Ditch Gray Ditch Mississinewa River Ditch Harshman Creek Ditch Lows Creek Ditch Gettinger Rd Little Branch Ditch Mississinewa River Rd Greenville Treaty Line Rhoades Ditch Principal Meridian First Line Indiana Ohio Jay Co Mercer Co Darke Co Randolph Co Wilson Ditch Hapner Ditch Good Ditch Keltner Ditch Hillgrove Rd Fort Recovery Rd Union City Line Jenkins Rd Watkins Rd Gibson Rd Oil Well Rd Denise Rd Pipeline Fort Loramie Rd New Weston Rd Peters Rd North Dayton Rd Van Kirk Rd Lawrence Rd Petrey Rd Mc Feeley Rd Brock Rd Cosmos Rd Ellis Rd Oswalt Rd Tobin Rd Hitz Rd Wilson Rd School Rd Washington Rd

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1958. Field check 1960

Polyconic projection. 1927 North American datum
10,000-foot grids based on Indiana coordinate system, east zone, and Ohio coordinate system, north and south zones

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

Land lines in Ohio based on Great Miami River Base
Ohio portion lies within Miami River Survey

1000-meter Universal Transverse Mercator grid ticks, zone 16, shown in blue

MN GN
0°00' 1°25'
0 MILS 25 MILS
UTM GRID AND 1960 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 10 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242,
AND INDIANA DEPARTMENT OF NATURAL RESOURCES, INDIANAPOLIS, INDIANA 46204
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

INDIANA
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Heavy-duty Light-duty
Medium-duty Unimproved dirt
State Route

OCT 2 1973

COSMOS, IND.—OHIO
N4015—W8445/7.5
1960
AMS 4064 IV SE—SERIES V851

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1973