UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ADAIR QUADRANGLE
MICHIGAN
7.5 MINUTE SERIES (TOPOGRAPHIC)

4469 IV NE (MEMPHIS) | 4469 I NE (SMITHS CREEK)

82°45′ | 42°52′30″ | R. 14 E. | R. 15 E. | 359000m E. | 42′30″ | 4469 I NW (GOODELLS) | 40′ COLUMBUS 0.6 MI. | 2 450 000 FEET | 82°37′30″ | 42°52′30″

4748000m N. | 4747 | 4746 | 4745 | 4744 | 4743 | 4742 | 4741 | 4740 | 4739 | 4738 | 4737 | 4736 | 4735 | 4734000m N.

500 000 FEET | 50′ | 47′30″

T. 5 N. | T. 4 N.

RICHMOND | COLUMBUS | ENON | CASCO

St Marys Camp | Tinsman Drain | Rattle | Columbus Ch | Landing Strip | Pumping Station | Oil Well | Gas Wells | Gas Well | Kittridge Cem | Trailer Park | Snyderville | Pit | Belle River Park | Columbus Cem | Belle River | Sandpit | Gillett Drain | City Well | Richmond | Park | St Michaels Cem | Muttonville | Gravel Pits | Meldrum Drain | Jerome Creek | Adair | Oil Wells | Rest Area | Townhall | Substation | Casco | Off Well | Creek

MESKILL RD | MESKILL ROAD | BR 692 | KRONER ROAD | MACOMB CO ST CLAIR CO | COLUMBUS GAS FIELD | PIPELINE | ANDREWS ROAD | BELLE RIVER | CRAWFORD BM 686 | BM 702 | LOGG ROAD | BR 708 | STODDARD ROAD | BIG HAND ROAD | HEBEL ROAD | WEEKS ROAD | TRUNK ROAD | ARLINGTON ROAD | GRAND RIVER | KRONER ROAD | BAUMAN ROAD | WESTERN ROAD | WITHEY ROAD | COLUMBUS GAS FIELD ROAD | CAUGHILL ROAD | WERNER ROAD | KENDALL ROAD | HESSEN ROAD | SHORT ROAD | GRATIOT ROAD | BIG HAND OIL FIELD | PALMS ROAD | TRUMBLE ROAD | RATTLE RUN / MARYSVILLE 9 MI. | ELLSWORTH ROAD | BELLE RIVER OIL FIELD | BARTEL ROAD | DIVISION ROAD | 32 MILE ROAD | 31 MILE ROAD | 30 MILE ROAD | 29 MILE ROAD | ST CLAIR HIGHWAY | PUTTYGUT ROAD | LABURN ROAD | LINDSEY ROAD | MEISNER ROAD | PETERS OIL FIELD | ADAIR OIL AND GAS FIELD | RILEY CREEK | LOPATON ROAD | CHURCH ROAD | BETHUY ROAD | MUTTONVILLE GAS FIELD | COUNTY LINE | MACOMB CO ST CLAIR CO | PIPELINE | 2 LANE

T. 5 N. | T. 4 N.

YALE 25 MI. MEMPHIS 7 MI. | 6 MI. TO INTERSTATE 94 NEW HAVEN 5 MI. | NEW BALTIMORE 5 MI. | 8 MI. TO MICH. 29 DETROIT (I-75) 36 MI. | 5 MI. TO MICH. 29 | 7 MI. TO MICH. 29 | 15 MI. TO MICH. 21 PORT HURON (U.S. CUSTOMS) 18 MI. | 4469 IV SE (RICHMOND) | 4469 I SE (RATTLE RUN) | (NEW HAVEN) 4469 III NE | (NEW BALTIMORE) 4469 II NW | (MARINE CITY) 4469 II NE

460 000 FEET | 42°45′ | 82°45′ | 357 | 2 430 000 FEET | 359 | 42′30″ | 361 | 363 | 40′ | 364 | 365000m E. | 82°37′30″

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1974

Mapped, edited, and published by the Geological Survey in cooperation with State of Michigan agencies

Control by USGS and USC&GS

Planimetry by photogrammetric methods from aerial photographs
Topography by planetable surveys 1937. Revised from aerial photographs taken 1967. Field checked 1968

Polyconic projection. 1927 North American datum
10,000-foot grid based on Michigan coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue

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

Revisions shown in purple compiled from aerial photographs taken 1973. This information not field checked

MN | GN | 4½° 80 MILS | 1°09′ 20 MILS

UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24000

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

CONTOUR INTERVAL 5 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MICHIGAN
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Primary highway, all weather, hard surface	Light-duty road, all weather, improved surface
Secondary highway, all weather, hard surface	Unimproved road, fair or dry weather
Interstate Route	U. S. Route	State Route

ADAIR, MICH.
N4245—W8237.5/7.5

1968
PHOTOREVISED 1973
AMS 4469 I SW—SERIES V862

USGS
Historical File
Topographic Division

DEC 16 1974

3325