NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Ohio State Plane North zone 4976 (FIPSZONE 3401). The **horizontal datum** was NAD83. Differences in datum, spheroid, projection or state plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov/.

Base Map information shown on this FIRM was derived from the Mahoning County GIS Department and the Eastgate Regional Council of Governments at a scale of 1:200 from photography dated 2005 and from USGS digital orthophoto quadrangles at a scale of 1:12,000 dated 1994 or later.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

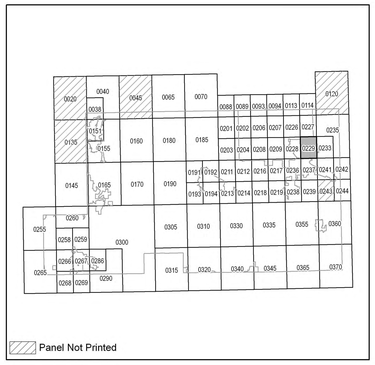
Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov/.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.

The **profile base lines** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the **profile base line**, in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

PANEL INDEX



Panel Not Printed

2495000 FT
JOINS PANEL 0227
2500000 FT
80° 35' 37.5"
80° 33' 45.0"
41° 05' 37.5"
525000 FT
520000 FT
515000 FT
45°49'00"N
45°48'00"N
45°47'00"N
45°46'00"N
45°35'00"E
45°36'00"E
41° 03' 45.0"
80° 35' 37.5"
80° 33' 45.0"
JOINS PANEL 0228
JOINS PANEL 0233
JOINS PANEL 0237
NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 2 NORTH, RANGE 1 WEST.
City of Youngstown 390373
City of Campbell 390368
Mahoning County Unincorporated Areas 390367
City of Struthers 390372
CITY OF YOUNGSTOWN
CITY OF CAMPBELL
MAHONING COUNTY
CITY OF CAMPBELL
CITY OF YOUNGSTOWN
MAHONING COUNTY
CITY OF CAMPBELL
MAHONING COUNTY
CITY OF CAMPBELL
CITY OF STRUTHERS
MAHONING COUNTY
CITY OF CAMPBELL
MAHONING COUNTY
MAHONING COUNTY
CITY OF CAMPBELL
ZONE A
ZONE X
ZONE AE
FLOODING EFFECTS FROM MAHONING RIVER
Mahoning River
PROFILE BASE LINE
Gabreal Run
MCKELVEY LANE
GLUCK STREET
JACOBS ROAD
MB0962
MB0959
MB0961
MB0960
MCGARNEY ROAD
SOUTH BEECHWOOD AVENUE
KERSHNER DRIVE
COITSVILLE ROAD
MOORE DRIVE
PETERS DRIVE
HOMESTEAD PLACE
KAREN MARIE DRIVE
RED DRIVE
MAPLE DRIVE
SYCAMORE DRIVE
EDWARD LANE
ELM DRIVE
PARK DRIVE
PARKWAY LANE
FREEDOM DRIVE
BLOSSOM DRIVE
BLOSSOM AVENUE
PORTER AVENUE
SANDERSON AVENUE
HYATT AVENUE
WHIPPLE AVENUE
PENHALE AVENUE
DEVITT AVENUE
YENNEY AVENUE
BRIGHT AVENUE
TREMBLE AVENUE
GORDON AVENUE
REED AVENUE
ROBINSON ROAD
UNION STREET
GORETTI DRIVE
PALMA DRIVE
ROSARY DRIVE
NOTRE DAME DRIVE
HAMILTON STREET
WILSON AVENUE
MURRAY AVENUE
PARKWOOD DRIVE
CANNA DRIVE
STEPHEN CIRCLE
STRUTHERS LIBERTY ROAD
COITSVILLE-MILLVILLE ROAD
PIN OAK PLACE
WALKER DRIVE
ALMASY DRIVE
CARLTON DRIVE
MATAWAN AVENUE
DUMONT AVENUE
APPLESWAY DRIVE
CHAPEL LANE
KIMMEL DRIVE
VILLA MARIE ROAD
LAWNVIEW AVENUE
UPLAND AVENUE
COOPER ROAD
COFF ROAD
GOLF VALLEY
WOODLAWN AVENUE
OVERLOOK AVENUE
OAKRIDGE DRIVE
WHITNEY AVENUE
SHEEHY AVENUE
REES STREET
GREEN STREET
OAKFORD STREET
JOHN STREET
ELM STREET
MAIN STREET
CHURCH STREET
GARFIELD AVENUE
WASHINGTON STREET
ADAMS STREET
JEFFERSON STREET
MADISON STREET
LINCOLN STREET
JACKSON STREET
CHAMBERS STREET
BENJAMIN STREET
FRANKLIN AVENUE
GARFIELD AVENUE
GERBRON AVENUE
GERT RUE PLACE
KENILWORTH AVENUE
SYCAMORE STREET
MAPLE STREET
ELM STREET
MAIN STREET
CHURCH STREET