

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not constitute a warranty of flood hazard information. Flood hazard information is provided as a general guide only and should not be used as the sole basis for flood hazard information. Any user should be aware that FEMA does not guarantee the accuracy of any information presented on this map. Users should be aware that FEMA does not provide any guarantee of accuracy for any information presented on this map. FEMA does not provide any guarantee of accuracy for any information presented on this map.

To obtain more detailed information or areas where **Special Flood Elevations (SFEs)** and **Flood Profiles** have been determined, users are encouraged to consult the Flood Profiles and Elevations Data and/or **Summary of Flood Elevations** data contained within the Flood Insurance Study (FIS) Report that accompanies this FIS. Users should be aware that SFEs shown on the FIS are intended to provide information for flood insurance purposes only and should not be used as the sole basis for flood hazard information. Additionally, flood elevation data presented in the FIS Report should be utilized in conjunction with the FIS for purposes of construction and flood management.

Coastal Flood Elevations shown on this map apply only to lowlands of 0.5-foot Annual Recurrence Interval (ARI) (ARI-0.5). Levels of the FIS are shown for areas that Coastal Flood Elevations are also provided in the Summary of Flood Elevations data in the Flood Insurance Study Report for this jurisdiction. Elevations shown in the Summary of Flood Elevations data should be used for construction and flood management purposes when they are higher than the elevations shown on this FIS.

Boundaries of the floodways were compiled at cross sections and interpolated between cross sections. The floodways were based on hydrologic computations with regard to requirements of the National Flood Insurance Program. Floodway water 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 facilities. 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 presentation of this map was Michigan State Plane South Zone (FIPS zone 2117). The horizontal datum was NAD 83 GRS 1983 spheroid. Elevation in meters, equivalent elevation in US feet, used in the production of FISs, for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the boundaries of the FISs.

Flood elevations on this map are referenced to the North American Vertical Datum of 1985. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. The information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1985, used for National Geographic Survey, website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services
MCA, 11850 J
National Geodetic Survey
2020C-1002
1215 East West Highway
Silver Spring, Maryland 20910-0282
301/717-1542

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) 717-3048 or visit its website at <http://www.ngs.noaa.gov>.

Base map information was derived from the National Agriculture Inventory Program (NAIP) 2008 orthophoto.

The profile lines shown on this map represent the bathymetry (water depth) that exists in the flood profile or FIS area. An amount of permanent storage water, the profile bathymetry, in some cases, may deviate significantly from the channel section or appear outside the FIS.

Computer data shown on this map are based on the best data available at the time of publication. Because changes due to alterations or developments may have occurred after this map was published, map users should contact appropriate authority officials to verify current corporate land locations.

Please refer to the separately printed **Map Index** for an overview map of the study showing the layout of map panels; community map repository addresses; and a listing of Community Flood Category, National Flood Insurance Program data for each community as well as a listing of the panels on which each community is located.

For information on available products associated with this FIS visit the **Map Service Center (MSC)** website at <http://www.fema.gov>. **Map Service Center (MSC)** website at <http://www.fema.gov>. **Map Service Center (MSC)** website at <http://www.fema.gov>.

If you have questions about this map, look to order products, or the National Flood Insurance Program to contact please call the **FEMA** Map Information Exchange (FMI) at 1-877-FEMA-MAP (1-877-368-2627) or visit the FEMA website at <http://www.fema.gov>.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFEs) SUBJECT TO MODIFICATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (ACF) is shown as the base flood. The base flood has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zone A, X, Z, AE, AH, AO, AR, VE, V1, and V2. The Special Flood Hazard Area is determined by the National Flood Insurance Program.

- ZONE A** - 1% Base Flood Elevation Determined
- ZONE AE** - Risk Projections - Elevated Flood
- ZONE AH** - Flood Depth 4' to 6' Not Exceeds Area of Potential Flooding - Base Flood Elevation Determined
- ZONE AO** - Flood Depth 6' to 8' Not Exceeds Area of Potential Flooding - Average Annual Flood
- ZONE AR** - Special Flood Hazard Area Not Exceeds Area of Potential Flooding - Zone A Flood Elevation Determined
- ZONE VE** - 1% Annual Chance Flood - Zone A Flood Elevation Determined
- ZONE V1** - 1% Annual Chance Flood - Zone A Flood Elevation Determined
- ZONE V2** - 1% Annual Chance Flood - Zone A Flood Elevation Determined

The boundary of the floodway is a straight line to adjacent floodway area that may be used for information on the 1% annual chance flood. See the Flood Insurance Study Report for this jurisdiction for additional information.

- OTHER FLOOD AREAS**
- ZONE B** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE C** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE D** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE E** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE F** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE G** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE H** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE I** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE J** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE K** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE L** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE M** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE N** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE O** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE P** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE Q** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE R** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE S** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE T** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE U** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE V** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE W** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE X** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE Y** - Area of 1% Annual Chance Flood - Average Annual Flood
- ZONE Z** - Area of 1% Annual Chance Flood - Average Annual Flood

- COASTAL HIGHER WINDS (CHW) SYSTEM (SFE) AREAS**
- COASTAL PROTECTED AREAS (CPAs)**
- CPAs and CHW are normally located within or adjacent to Special Flood Hazard Areas.**
- 1% Annual Chance Flood Profile**
- 1% Annual Chance Flood Elevation**
- Zone A boundary**
- Zone B boundary**
- Zone C boundary**
- Zone D boundary**
- Zone E boundary**
- Zone F boundary**
- Zone G boundary**
- Zone H boundary**
- Zone I boundary**
- Zone J boundary**
- Zone K boundary**
- Zone L boundary**
- Zone M boundary**
- Zone N boundary**
- Zone O boundary**
- Zone P boundary**
- Zone Q boundary**
- Zone R boundary**
- Zone S boundary**
- Zone T boundary**
- Zone U boundary**
- Zone V boundary**
- Zone W boundary**
- Zone X boundary**
- Zone Y boundary**
- Zone Z boundary**

Referenced to the North American Vertical Datum of 1985

- 1** - One mile line
- 2** - Two mile line
- 3** - Three mile line
- 4** - Four mile line
- 5** - Five mile line
- 6** - Six mile line
- 7** - Seven mile line
- 8** - Eight mile line
- 9** - Nine mile line
- 10** - Ten mile line

- 1** - One mile line
- 2** - Two mile line
- 3** - Three mile line
- 4** - Four mile line
- 5** - Five mile line
- 6** - Six mile line
- 7** - Seven mile line
- 8** - Eight mile line
- 9** - Nine mile line
- 10** - Ten mile line

- 1** - One mile line
- 2** - Two mile line
- 3** - Three mile line
- 4** - Four mile line
- 5** - Five mile line
- 6** - Six mile line
- 7** - Seven mile line
- 8** - Eight mile line
- 9** - Nine mile line
- 10** - Ten mile line

MAP SCALE: 1" = 500'

FOR INFORMATION ONLY: THE NATIONAL FLOOD INSURANCE PROGRAM IS A FEDERAL PROGRAM. THE FEDERAL GOVERNMENT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED ON THIS MAP.

FOR INFORMATION ONLY: THE NATIONAL FLOOD INSURANCE PROGRAM IS A FEDERAL PROGRAM. THE FEDERAL GOVERNMENT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED ON THIS MAP.

FOR INFORMATION ONLY: THE NATIONAL FLOOD INSURANCE PROGRAM IS A FEDERAL PROGRAM. THE FEDERAL GOVERNMENT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED ON THIS MAP.

FOR INFORMATION ONLY: THE NATIONAL FLOOD INSURANCE PROGRAM IS A FEDERAL PROGRAM. THE FEDERAL GOVERNMENT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED ON THIS MAP.

FOR INFORMATION ONLY: THE NATIONAL FLOOD INSURANCE PROGRAM IS A FEDERAL PROGRAM. THE FEDERAL GOVERNMENT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED ON THIS MAP.

FOR INFORMATION ONLY: THE NATIONAL FLOOD INSURANCE PROGRAM IS A FEDERAL PROGRAM. THE FEDERAL GOVERNMENT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED ON THIS MAP.

FOR INFORMATION ONLY: THE NATIONAL FLOOD INSURANCE PROGRAM IS A FEDERAL PROGRAM. THE FEDERAL GOVERNMENT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED ON THIS MAP.

FOR INFORMATION ONLY: THE NATIONAL FLOOD INSURANCE PROGRAM IS A FEDERAL PROGRAM. THE FEDERAL GOVERNMENT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED ON THIS MAP.

FOR INFORMATION ONLY: THE NATIONAL FLOOD INSURANCE PROGRAM IS A FEDERAL PROGRAM. THE FEDERAL GOVERNMENT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED ON THIS MAP.

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0332D

FIRM

FLOOD INSURANCE RATE MAP

IONIA COUNTY, MICHIGAN (ALL JURISDICTIONS)

PANEL 332 OF 375

(SEE MAP INDEX FOR FIRM PANEL LAYOUTS)

COMMUNITY

COMMUNITY	NUMBER	PANEL	SHEET
Adrian	1000	104	1
Ann Arbor	1000	104	1
Ann Arbor	1000	104	1
Ann Arbor	1000	104	1
Ann Arbor	1000	104	1

FIGURE 1: COMMUNITY MAP NUMBER SHOWN ABOVE SHOULD BE USED WHEN MAKING MAP ORDERS. THE COMMUNITY NUMBER SHOWN ABOVE SHOULD BE USED IN FLOOD INSURANCE APPLICATIONS FOR THE SUBJECT COMMUNITY.

MAP NUMBER
2847-C0332D
EFFECTIVE DATE
JANUARY 16, 2015

Federal Emergency Management Agency