

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.

**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.

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.

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:

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>.

Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables for multiple streams in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on the map. Also, the road to floodplain relationships for unreviewed streams may differ from what is shown on previous maps.

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.

If you have **questions about this map**, how to order products, or the National Flood Insurance Program in general, please call the **FEMA Map Information eXchange (FMIX)** at **1-877-FEMA-MAP** (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/nfip>.



|  | <b>SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD</b>                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                     | <p>The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding in the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.</p> |
| <b>ZONE A</b>                                                                       | <p>No Base Flood Elevations determined.</p>                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ZONE AE</b>                                                                      | <p>Base Flood Elevations determined.</p>                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ZONE AH</b>                                                                      | <p>Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.</p>                                                                                                                                                                                                                                                                                                                                       |
| <b>ZONE AO</b>                                                                      | <p>Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.</p>                                                                                                                                                                                                                                                                 |
| <b>ZONE AR</b>                                                                      | <p>Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.</p>                                                                                                                                           |
| <b>ZONE A99</b>                                                                     | <p>Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.</p>                                                                                                                                                                                                                                                                                  |
|                                                                                     | <p>Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.</p>                                                                                                                                                                                                                                                                                                                                     |
| <b>ZONE VE</b>                                                                      | <p>Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.</p>                                                                                                                                                                                                                                                                                                                                        |

 FLOOD HAZARD AREAS  
 OTHER FLOOD AREAS  
 FLOOD HAZARD BOUNDARY

|  |             |
|--|-------------|
|  | OTHER AREAS |
|--|-------------|

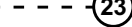
 COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

Legend for Flood Hazard Area Symbols:

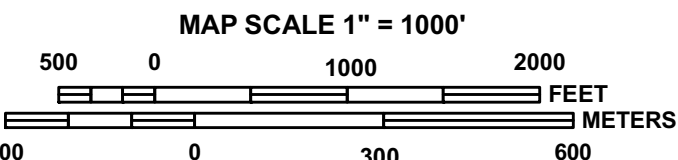
- 1% Annual Chancel Floodplain Boundary
- 0.2% Annual Chancel Floodplain Boundary
- Floodway boundary
- Zone D boundary
- CBRs and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.
- Base Flood Elevation line and value; elevation in feet\* (EL 987)
- Base Flood Elevation value where uniform within zone; elevation in feet\*

\*Referenced to the North American Vertical Datum of 1988

|                                                                                                   |                                                                                                           |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|                | Cross section line                                                                                        |
|                | Transect line                                                                                             |
| 45° 02' 08", 93° 02' 12"                                                                          |                                                                                                           |
| Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere |                                                                                                           |
| 3100000 FT                                                                                        | 5000-foot ticks: Pennsylvania State Plane North Zone (FIPS Zone 3701), Lambert Conformal Conic projection |
| 42°59'20"N                                                                                        | 1000-meter Universal Transverse Mercator grid values, zone 17                                             |
| DX5510                                                                                            | Bench mark (see explanation in Notes to Users section of this FIRM panel)                                 |
| • FT1,000                                                                                         | River Station                                                                                             |
| MAP REPOSITORIES                                                                                  |                                                                                                           |
| Refer to Map Repositories list on Map Index                                                       |                                                                                                           |
| EFFECTIVE DATE OF COUNTYWIDE STATE FLOOD INSURANCE RATE MAP                                       |                                                                                                           |
| August 16, 2012                                                                                   |                                                                                                           |
| EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL                                                    |                                                                                                           |

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



**PANEL 0110D**

**FLOOD INSURANCE RATE MAP  
CRAWFORD COUNTY,  
PENNSYLVANIA  
(ALL JURISDICTIONS)**

**PANEL 110 OF 825**  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

| <u>COMMUNITY</u>          | <u>NUMBER</u> | <u>PANEL</u> | <u>SUFFIX</u> |
|---------------------------|---------------|--------------|---------------|
| CAMBRIDGE,<br>TOWNSHIP OF | 421564        | 0110         | D             |
| ROCKDALE,<br>TOWNSHIP OF  | 422394        | 0110         | D             |

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



**MAP NUMBER**  
**42039C0110D**

**EFFECTIVE DATE**  
**AUGUST 16, 2012**

**Federal Emergency Management Agency**