## NOTES OT **USERS**

use in administering the National Flood Insurance Program. It sarily identify all areas subject to flooding, particularly from local so small size. The **community map repository** should be sible updated or additional flood hazard information.

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

Constal Base Flood Elevations shown on this map apply only landward of .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 tillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than ne elevations shown on this FIRM.

oundaries of the **floodways** were computed at cross sections and interpolated stween cross sections. The flocdways were based on hydraulic considerations ith regard to requirements of the National Flood Insurance Program. Floodway idths and other pertinent floodway data are provided in the Flood Insurance tudy report for this jurisdiction. Special Flood Hazard Areas may be protected by . Refer to Section 2.4 "Flood Protection Measures" by report for information on flood control structures to y flood " of the for this

**projection** used in the preparation of this map was New Jersey State Plane S 2900) zone. The **horizontal datum** was NAD 83, GRS80 spheroid. rences in datum, spheroid, projection or State Plane zones used in the uction of FIRMs for adjacent jurisdictions may result in slight positional rences in map features across jurisdiction boundaries. These differences confect the accuracy of this FIRM.

od elevations on this map are referenced to the North American Vertical Datum 1988. These flood elevations must be compared to structure and ground vations referenced to the same **vertical datum**. For information regarding inversion between the National Geodetic Vertical Datum of 1929 and the orth American Vertical Datum of 1988, visit the National Geodetic Survey besite at <a href="http://www.ngs.noaa.gov">http://www.ngs.noaa.gov</a> or contact the National Geodetic Survey at following address:

IGS Information Services
IOAA, N/NGS12
Iational Geodetic Survey
SMC-3, #9202
315 East-West Highway
ilver 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 <a href="http://www.ngs.noaa.gov.">http://www.ngs.noaa.gov.</a>

**re map** information shown on this FIRM was provided in digital format by the e of New Jersey Office of Information Technology. This information was ved from digital orthophotos produced at a scale of 1:2400 with a 1-foot pixel jution from photography dated April 2002.

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

**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 lates for each community as well as a listing of the panels on which each community is located.

JOINS PANEL 0068

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 <a href="http://msc.fema.gov">http://msc.fema.gov</a>.

you have **questions about this map** or questions concerning the National Flood isurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or sit the FEMA website at <a href="http://www.fema.gov">http://www.fema.gov</a>.

ZONE VE JOINS PANEL 0088 OOD HAZARD INFORMATION IS NOT SHOWN ON THIS MAP IN AREAS OUTSIDE OF MIDDLESEX COUNTY ZONE X



## LEGEND

od (100-year flood), also known as the base flood, is the flood that has a 1% qualed or exceeded in any given year. The Special Flood Hazard Area is the bding by the 1% annual chance flood. Areas of Special Food Hazard include AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface annual chance flood. SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

ond depths of 1 to 3 feet (usually sheet flow on sloping terrain); average opths determined. For areas of alluvial fan flooding, velocities also dermined.

chance flood by a Federal flood ); no Base Flood Elevations

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% anrual chance flood can be carried without substantial increases in flood heghts. FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

OTHER AREAS Areas of 0.2% annual chance flood; areas of 1% annual charce flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

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

oundary dividing Specia Flood Hazard Area Zones and oundary dividing Special Flood Hazard Areas of different Base ocd Elevations, flood depths or flood velocities.

ゲーーーーー-(図) 7°07'45", 32°22'30" 600000 FT nced to the Geographic ccordinates referenced to the North Datum of 1983 (NAD 83), Western Hernisphere 000-foot grid values: New Jersey State Plane coordinate ystem (FIPSZONE 2900), Transverse Mercator projection Flood Elevation line and Flood Elevation value w

~ 513 ~ (EL 987)

DX5510<sub>×</sub>

Bench mark (see explan FIRM panel) River Mile

• M1.5

rmine if flood insurance is available in this community, call the National Flood Insurance Program at 1-800-638-5620. unity map revision history prior to countywide mapping, refer to the Cony table located in the Flood Insurance Study report for this jurisdiction EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP July 6, 2010 DN(S) TO THIS PANE

500'

## FIRM PANEL 0069F

FLOOD INSURANCE RATE MAP

MIDDLESEX COUNTY,
NEW JERSEY
(ALL JURISDICTIONS)

**PANEL 69 OF 286** (SEE MAP INDEX FOR FIRM PANEL LAYOUT) COMMUNITY
PERTH AMBOY. <u>PANEL</u> <u>SUFFIX</u> 0369 =

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 34023C0069F

**EFFECTIVE DATE** 

JULY 6, 2010

Federal Emergency

Management Agency