

NOTES TO USERS

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

more detailed information in areas where **Base Flood Elevations (BFEs)** have been determined, users are encouraged to consult the Flood of Floodway Data and/or Summary of Stillwater Elevations tables contained in the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users aware that BFEs shown on the FIRM represent rounded whole-foot values. These BFEs are intended for flood insurance rating purposes only and should be used as the sole source of flood elevation information. Accordingly, elevation data presented in the FIS Report should be utilized in conjunction with the purpose of construction and/or floodplain management.

Base Flood Elevations shown on this map apply only to landward of 0.0 mean 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 in the Flood Insurance Study Report for this jurisdiction. Elevations 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.

Zone category has been divided by a **Limit of Moderate Wave Action**. The LMWA represents the approximate landward limit of the 1.5-foot wave. The effects of wave hazards between the VE Zone and the LMWA on the shoreline and the LMWA for areas where VE Zones are not identified) are similar to, but less severe than those in the VE Zone.

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

used in the preparation of this map was Massachusetts State Plane Zone (FIPS zone 2001). The horizontal datum was NAD 83, GRS 1980. Differences in datum, spheroid, projection or UTM zones used in the FIRM for adjacent jurisdictions may result in slight positional errors in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

ations on this map are referenced to the North American Vertical Datum of 1988. Flood elevations must be compared to structure and ground elevations to the same vertical datum. For information regarding conversion from the National Geodetic Vertical Datum of 1929 and the North American Datum of 1983, visit the National Geodetic Survey website at <http://ngs.noaa.gov> or contact the National Geodetic Survey at the following:

ation Services
NGS12
Geodetic Survey
#9202
West Highway
ing, Maryland 20910-3282
3242

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

Information shown on this FIRM was derived from digital topography. Base map files were provided in digital form by Massachusetts Geographic Information System (MassGIS). Ortho imagery was produced at a scale of 1:25,000 and is dated April 2008 and April 2009. The projection used in the FIRM is Massachusetts State Plane Metersal (FIPS2001), with a horizontal datum of NAD 83, GRS1980 spheroid.

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 since this map was published, map users should contact appropriate officials to verify current corporate limit locations.

fer to the separately printed **Map Index** for an overview map of the community showing the layout of map panels, community map repository addresses, and a listing of the panels on which each community is shown.

ation on available products associated with this FIRM visit the **Map Center (MSC)** website at <http://www.fema.gov>. Available products may include: Letters of Map Change, a Flood Insurance Study Report, digital versions of this map. Many of these products can be ordered or purchased from the MSC website.

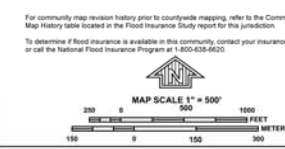
ive questions about this map, how to order products, or the National Flood Insurance Program in general, please call the **FEMA Map Information Center (FMIC)** at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/info>.

al structures that are certified to provide protection from the 1-percent-annual-chance flood are shown on this panel. However, all structures taken into account for the purpose of coastal flood hazard analysis and mapping are the DFIRM database in S_Gen_Struct.



LEGEND

- SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**
The 1% annual chance flood (100-year flood), also known as the "base flood," is the flood with a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area (SFHA) is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, AV, VE, and V. The Base Flood Elevation is the water elevation of the 1% annual chance flood.
- ZONE A**
No Base Flood Elevations determined.
- ZONE AH**
Base Flood Elevations determined.
- ZONE AO**
Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); areas and depths determined. For areas of unusual fan flooding, velocities also determined.
- ZONE AR**
Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently described. The All indicates that the former flood control system is being restored to protect from the 1% annual chance or greater flood.
- ZONE AV**
Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE VE**
Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE**
Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- OTHER FLOOD AREAS**
- ZONE X**
Area of 0.2% annual chance flood; areas of 1% annual chance 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.
- OTHER AREAS**
- ZONE D**
Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, but possible.
- 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.
- 1% Annual Chance Floodplain Boundary
- 0.2% Annual Chance Floodplain Boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas and other flood hazard areas
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevation
- Flood depth or flood velocity
- Line of Moderate Wave Action
- Limit of Moderate Wave Action coincident with Zone Break
- Base Flood Elevation line and value; elevation in feet (e.g., 513)
- 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
- Culvert
- Bridge
- Geographic coordinates referenced to the North American Datum of 1983 (NAVD 83) Western Hemisphere
- 4980000 M
1983-meter grid values; Massachusetts State Plane Metersal (FIPS Zone 2001) Lambert Conformal Conic projection
- 41°50'N
1000-meter Universal Transverse Mercator (UTM), Zone 18N
- D45510 X
Bench mark (See explanation in Notes to Users section of this panel)
- MAP REPOSITORIES
Refer to Map Repositories list on Map Index
- EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
July 16, 2014
- EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0426J

FIRM
FLOOD INSURANCE RATE MAP
BARNSTABLE COUNTY
MASSACHUSETTS
(ALL JURISDICTIONS)

PANEL 426 OF 875
(SEE MAP INDEX FOR FIRM PANEL LIST)

CONTAINS:
COMMUNITY NUMBER: 250010
PANEL NUMBER: 0426J

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

MAP NUMBER: 250010C
EFFECTIVE DATE: JULY 16, 2014
Federal Emergency Management Agency