

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 Hazard Data and/or Summary of Stillwater Elevations tables contained in the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users are 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, original data presented in the FIS Report should be utilized in conjunction with the Flood Insurance Study Report for floodplain management purposes.

Base Flood Elevations shown on this map apply only to landward of 0.07 coastal 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 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.

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

was 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.

tion used in the preparation of this map was Massachusetts State Plane Zone (NAD 83, GRS 1980). The horizontal datum was NAD 83, GRS 1980. Differences in datum, spheroid, projection or UTM zones used in the preparation of this map may result in slight positional differences 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. For information regarding conversion of elevations to the same vertical datum, users are encouraged to consult the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following telephone numbers:

Information Services
 NGS12
 Geodetic Survey
 #9202
 1 West Highway
 Westford, Maryland 20910-3282
 #3242

urrent 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>.

ation shown on this FIRM was derived from digital orthophotography by the Massachusetts Geographic Information System. This information was derived from orthophotography dated 2005.

baselines depicted on this map represent the hydraulic modeling baselines used in the flood profiles in the FIS report. As a result of improved topographic data, baselines, in some cases, may deviate significantly from the channel or seapier outside the SFHA.

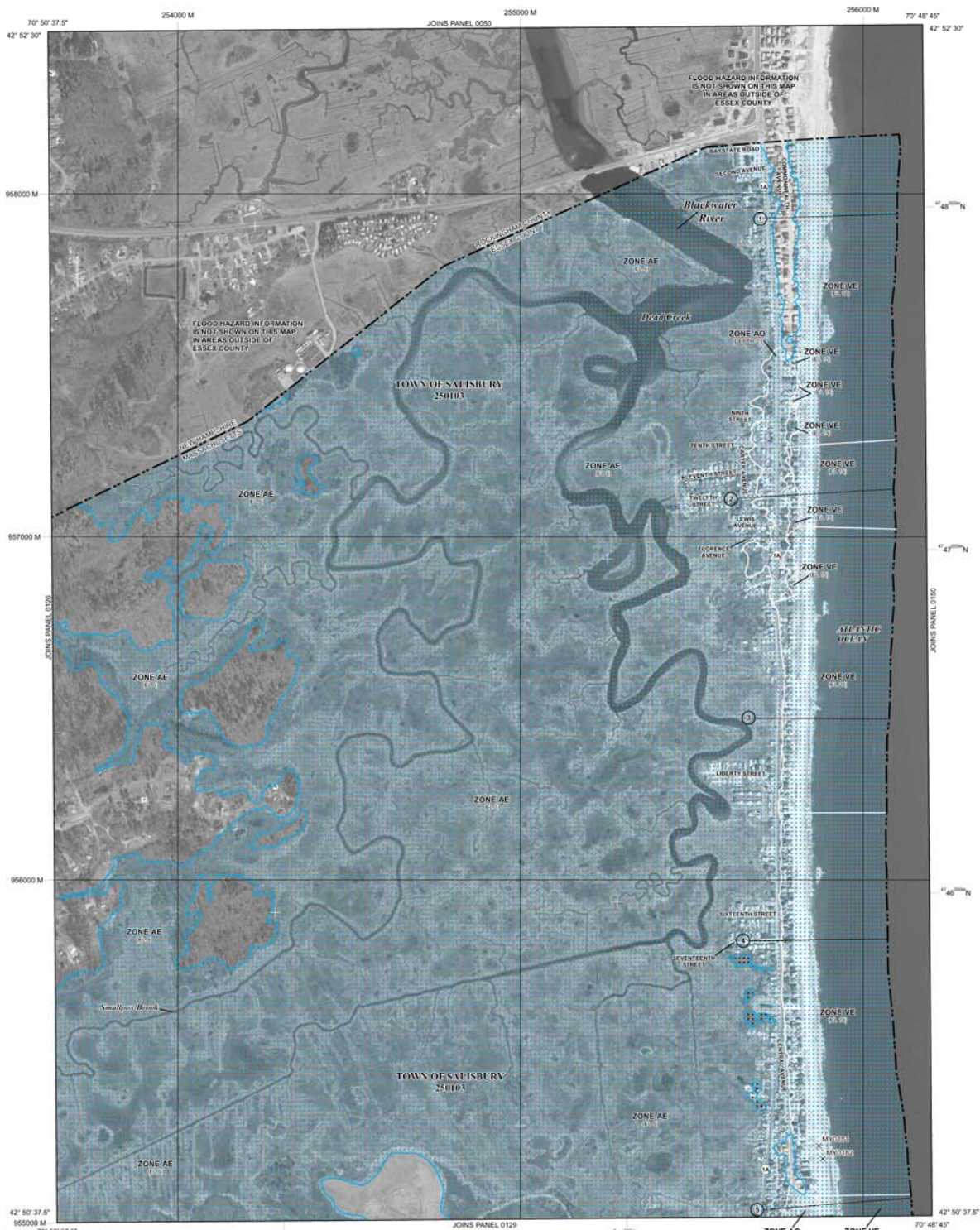
an updated topographic information this map reflects more detailed and stream channel configurations and floodplain delineations than shown on the previous FIRM for this jurisdiction. As a result, the Flood Hazard and Floodway Data tables for multiple streams in the Flood Insurance Study Report (which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

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 entire layout of map panels, community map repository addresses, and a listing of Communities table containing National Flood Insurance Program community data as well as a listing of the panels on which each community is shown.

on available products associated with this FIRM visit the **Map Center (MSC)** website at <http://map.fema.gov>. Available products may include: Flood Insurance Study Report, Flood Insurance Study Report digital versions of this map. Many of these products can be ordered directly 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 (FMI)** at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/mfp>.



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 is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, 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 AE Base Flood Elevations determined.
ZONE AH Flood depths of 1 to 3 feet (usually areas of ponds); Base Flood Elevation determined.
ZONE AN Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); area depths determined. For areas of ultimate flat 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 destroyed. The AR indicates that the former flood control system is being restored to protection 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 V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevation determined.
ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevation determined.

FLOODWAY AREAS IN ZONE AE
 The floodway is the channel of a stream plus any adjacent floodplain areas that must be approached to that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS
ZONE X Areas 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
 Zone A boundary
 CBRS and OPA boundary
 Boundary defining Special Flood Hazard Areas and floodplains
 Special Flood Hazard Areas of different Base Flood 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
 Traversed line
 Current
 Bridge
 Geographic coordinates referenced to the North American Vertical Datum of 1988 (NAD 83) Western Hemisphere
 498000 M
 1000-meter UTM; Massachusetts State Plane NAD 83
 42° 50' N
 1000-meter Universal Transverse Mercator grid values, zone 18Q
 DMS10 X
 Bench mark (see explanation in Notes to Users section of this FIRM)
 M15
 MAP REPOSITORIES
 Refer to Map Repository for Map Index
 EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
 July 3, 2012
 EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to computer 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 the National Flood Insurance Program at 616-858-8622.

MAP SCALE 1" = 500'
 250 0 500 1000
 150 0 150 300
 FEET
 METERS

NFP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0127F

FIRM
FLOOD INSURANCE RATE MAP
ESSEX COUNTY,
MASSACHUSETTS
(ALL JURISDICTIONS)

PANEL 127 OF 600
 (SEE MAP INDEX FOR FIRM PANEL LIST)

CONTAINS:
 COMMUNITY NUMBER PANEL
 SALISBURY, TOWN OF 250103 0127

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

MAP NUMBER 25090C
EFFECTIVE JULY 3,
Federal Emergency Management Agency