

NOTES TO USERS

is to be used in administering the National Flood Insurance Program. It is necessary to identify all areas subject to flooding, particularly from local sources of small size. The community map repository should be updated for possible updated or additional flood hazard information.

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

Base Flood Elevations shown on this map apply only to landward areas of the floodway. Users of this map should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report. Elevation data shown in the summary of stillwater elevations could be used for construction and/or floodplain management purposes if they are higher than the elevations shown on this FIRM.

Floodway boundaries were computed at cross sections and interpolated at cross sections. The floodway boundaries were based on hydraulic considerations and to requirements of the National Flood Insurance Program. Floodway and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

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

The boundary used in the preparation of this map was New Hampshire State Plane (NAD 83) datum. The horizontal datum was NAD 83. The vertical datum is the National Geodetic Vertical Datum of 1929. Differences in datum, spheroid, projection or State Plane used in the production of FIRMs for adjacent jurisdictions may result in small differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

Elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and elevations referenced to the same vertical datum. For information on the conversion between the National Geodetic Vertical Datum of 1929, 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:

Information Services
NAD83/29
Geospatial Survey
#2022
West Highway
Ft. Detrick, MD 20715-3282

For current elevation, description, and/or location information for bench marks on this map, please contact the Information Services Branch of the Geodetic Survey at (301) 713-3242, or visit its website at www.ngs.noaa.gov/.

Information shown on this FIRM was derived from U.S. Geological Survey Topographic Quadrangles produced at a scale of 1:12,000 from photography taken prior to 1988 or later. These images were recast by NH GRANIT onto the NH State Plane coordinate system.

This map reflects more detailed and up-to-date stream channel configurations than shown on the previous FIRM for this jurisdiction. The floodway boundaries that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream distances that differ from what is shown on this map.

The 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 occur after this map was published, map users should contact local community officials to verify current corporate limit locations.

Refer to the separately printed Map Index for an overview map of the area showing the layout of map panels, community map repository addresses, and a listing of Communities table containing National Flood Insurance Program information for each community as well as a listing of the panels on which each community is located.

Contact the FEMA Map Service Center at 1-800-358-9616 for information on products associated with this FIRM. Available products may include: Flood Insurance Letters of Map Change, a Flood Insurance Study report, digital versions of this map. The FEMA Map Service Center may also be contacted by Fax at 1-800-358-9620 and its website at <http://www.msc.fema.gov/>.

For questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-MAP (1-877-336-2827) or visit the FEMA website at <http://www.fema.gov/>.



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 that flood that has a 1% chance of being equal or exceeded in any given year. The Flood Hazard Area is the area subject to flooding by the 1% annual chance flood of Special Flood Hazard Areas (SFHAs) including Zones AE, A, AH, AR, AEI, and VE. The Flood Elevation is the water surface 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 ponding); Base Flood Elevations determined.
 - ZONE AD Flood depths of 1 to 3 feet (usually sheet flow on sloping average depths determined for areas of sheet flow flooding); also determined.
 - ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently removed. Zone AR indicates that the former flood control system being removed to provide protection from the 1% annual chance greater flood.
 - ZONE ARR Areas to be protected from 1% annual chance flood by a flood protection system under construction; no Base Flood Elevation determined.
 - ZONE V Coastal Flood zone with velocity hazard (wave action); no Elevations determined.
 - ZONE VE Coastal Flood area with velocity hazard (wave action); Base Flood Elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- The floodway is the channel of a stream plus any adjacent floodplain areas that keep free of encroachment so 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 flood.
- OTHER AREAS**
- ZONE D Areas determined to be outside the 0.2% annual chance floodplain.
 - ZONE U 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 of Base Flood Elevations, flood depths or flood velocities
 - Base Flood Elevation line and value; elevation in feet*
 - Base Flood Elevation value where uniform within elevation in feet*
- * Referenced to the North American Vertical Datum of 1988 (NAVD 88)
- Cross section line**
- Transsect line
- Geographic coordinates referenced to the North American Vertical Datum of 1988 (NAVD 88)
- 1000-meter Universal Transverse Mercator grid ticks, and 500-foot grid values; New Hampshire State Plane coordinate system, (NPSZONE 2800), Transverse
- Bench mark (see explanation in Notes to Users on this FIRM panel)
- M1.5
- MAP REPOSITORIES
- Refer to Map Repositories list on Map Index
- EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP: September 25, 2009
- EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:

For community map revision history prior to countywide mapping, refer to the County 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 jurisdiction agent or call the National Flood Insurance Program at 1-800-638-6620.

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0439D

FIRM FLOOD INSURANCE RATE

HILLSBOROUGH COUNTY

NEW HAMPSHIRE (ALL JURISDICTIONS)

PANEL 439 OF 701
(SEE MAP INDEX FOR FIRM PANEL LIST)

CONTAINS:

COMMUNITY	NUMBER	PANEL
GREENVILLE TOWN OF	330088	0439
NEW IPSWICH TOWN OF	330099	0439

Notice to User: The Map Number shown below is used when citing maps on orders. The Geography Name above should be used on insurance applications for flood insurance.

FEDERAL EMERGENCY MANAGEMENT AGENCY

MAP NUMBER 330116

EFFECTIVE DATE: SEPTEMBER 25, 2009

Federal Emergency Management Agency