

Flood Lines

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Remembering Tropical Storm Irene 5 Years Ago

Last week Hurricane Matthew, a Category 4 storm, caused devastation in Haiti and flooding and severe beach erosion in the southeastern area of the U.S. Although New England wasn't impacted, it is a good time to reflect on a hurricane turned tropical storm that significantly impacted New Hampshire and devastated Vermont.

It was five years ago, in August of 2011, Hurricane/Tropical Storm Irene made its way up the Atlantic Ocean and into New Hampshire, pushing rivers over their flood-stage levels and causing millions of dollars in property damage across the state.

Irene was a massive storm, and remains one of the most devastating storms in New Hampshire history. Irene not only caused millions of dollars in damage but also displaced many families from their homes and closed hundreds of roads due to severe flooding. Some communities, such as Holderness, were under six to seven feet of water (see pictures).

It is important for all of us to be ready for a disaster whether a hurricane, flooding, winter storm or power outage. To learn how you can be ready and take action to be safe, please go to www.ReadyNH.gov where you can also learn about NH Alerts, a mobile application to receive public safety notices and severe weather warnings.

Source: WMUR, FEMA, ReadyNH



Source: WMUR



Source: NHOEP



Mapping Update

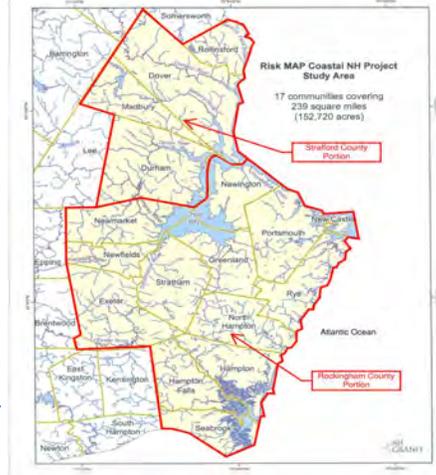
Coastal NH Floodplain Mapping Project Update

Rockingham County

The maps for the communities in the Rockingham County project area are currently on hold due to FEMA working to resolve an appeal. The effective date for the maps in the Rockingham County portion of the project is currently unknown.

Strafford County

Flood Risk Products for the four communities (Dover, Durham, Madbury, and Rollinsford) in Strafford County, which received new effective maps on 9/30/15, were released in April 2016 and posted to the [FEMA Map Service Center](#).



Source: UNH

The New Hampshire Office of Energy and Planning in partnership with New Hampshire GRANIT and the Strafford Regional Planning Commission have been presenting information about the Flood Risk Products for each of the four communities. The presentations give an overview of the Flood Risk Products and show how the community can use these Products in their hazard mitigation plan, master plan, and/or other planning or climate change initiatives to increase your community's flood resiliency. The presentation also shows how to communicate the flood risk data to residents and businesses.

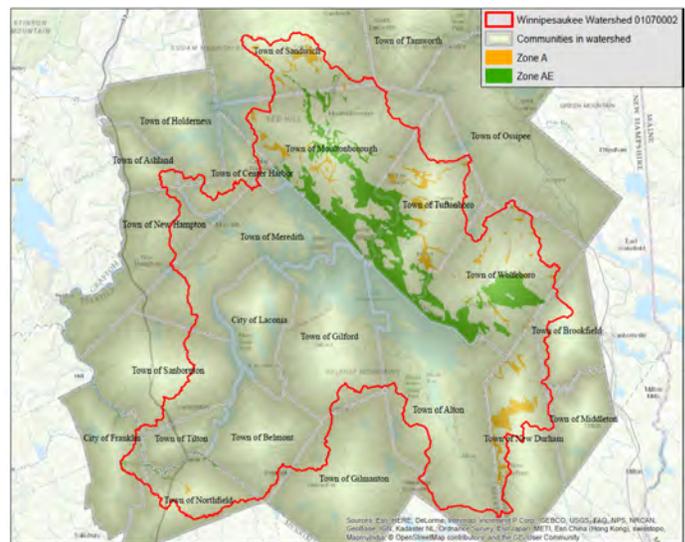
For updates on the Coastal Project please visit NHOEP's [Coastal NH Floodplain Mapping Project webpage](#).

Update on a New FEMA Risk MAP Discovery Project in New Hampshire

Discovery is the first phase of a FEMA Risk MAP (Mapping, Assessment, and Planning) project. During the Discovery process, FEMA gathers information about local flood risk and flood hazards, reviews hazard mitigation plans of the communities in the watershed, and collects information from communities within the watershed. The Discovery process helps determine whether a flood risk project is needed and, if so, what the scope of the project will be.

Winnepesaukee River Watershed

On September 27, 2016, the U.S. Geological Survey held a meeting at the Gilford Town Hall to kick off the Winnepesaukee River Watershed Discovery process. A Community Information Sheet and Map, which lists and displays data and comments received from the 28 communities in the watershed during previous mapping efforts, can be found at: http://newengland.water.usgs.gov/fema_winnepesaukee/. In addition, communities in the watershed are asked to complete an online questionnaire (located at the web site above) regarding any data that the community may have related to the Discovery process and mark up the copies of the maps that were sent to the watershed communities in August **by November 10, 2016**. Any questions, please contact Scott Olson, USGS, at solson@usgs.gov or at 603-226-7815.



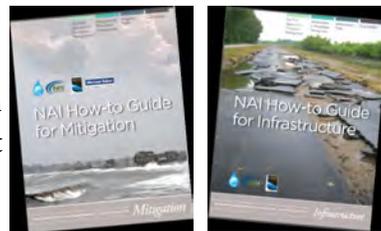
Source: USGS

To learn more about other Discovery projects in New Hampshire, please visit NHOEP's [Current NH Mapping Activities webpage](#).

Training and Events

ASFPM No Adverse Impact Guides Updated

ASFPM just updated its No Adverse Impact (NAI) How-to-Guides for Mitigation and Infrastructure. View the updated guides [here](#). Other NAI How-to-Guides that are also available include Planning and Education and Outreach.



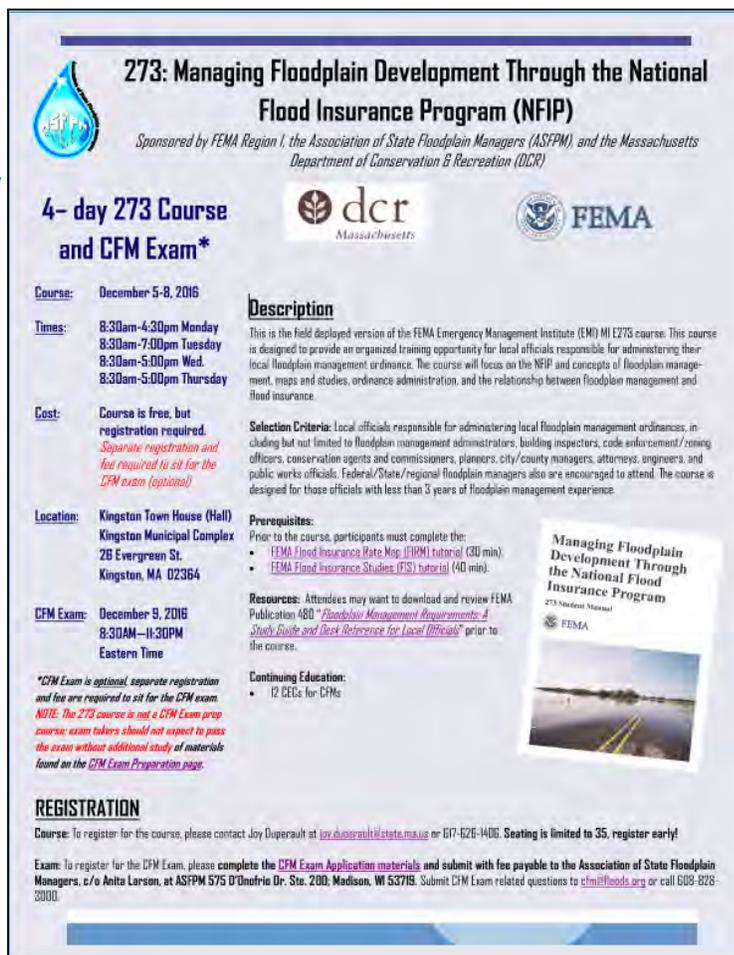
Managing Floodplain Development Through the NFIP - December 5-8, 2016 in Kingston, MA

The Massachusetts Department of Conservation and Recreation, Office of Water Resources in partnership with FEMA Region 1 and ASFPM will be holding a **FREE** 4-day *Managing Floodplain Development Through the NFIP* course on **December 5 to December 8, 2016** at the Kingston Municipal Complex in Kingston, MA.

This course is designed to provide a training opportunity for local officials responsible for administering their local floodplain management ordinance. The course will focus on the NFIP and concepts of floodplain management, maps and studies, ordinance administration, and the relationship between floodplain management and flood insurance.

Participants that are Certified Floodplain Managers (CFM) are also eligible to receive **12 CECs** for attending this 4-day course. A CFM exam will be held on Friday, December 9, 2016 from 8:30am to 11:30am (see page 5 for more information about the exam).

To register for the course, please contact Joy Duperault at joy.duperault@state.ma.us or 617-626-1406. Seating is limited to 35, register early!



273: Managing Floodplain Development Through the National Flood Insurance Program (NFIP)
Sponsored by FEMA Region 1, the Association of State Floodplain Managers (ASFPM), and the Massachusetts Department of Conservation & Recreation (DCR)

4- day 273 Course and CFM Exam*

Course: December 5-8, 2016
Times: 8:30am-4:30pm Monday, 8:30am-7:00pm Tuesday, 8:30am-5:00pm Wed., 8:30am-5:00pm Thursday
Cost: Course is free, but registration required. Separate registration and fee required to sit for the CFM exam (optional)
Location: Kingston Town House (Hall), Kingston Municipal Complex, 28 Evergreen St., Kingston, MA 02364
CFM Exam: December 9, 2016, 8:30AM-11:30PM Eastern Time

Description: This is the field deployed version of the FEMA Emergency Management Institute (EMI) MI 273 course. This course is designed to provide an organized training opportunity for local officials responsible for administering their local floodplain management ordinance. The course will focus on the NFIP and concepts of floodplain management, maps and studies, ordinance administration, and the relationship between floodplain management and flood insurance.

Selection Criteria: Local officials responsible for administering local floodplain management ordinances, including but not limited to floodplain management administrators, building inspectors, code enforcement/ zoning officers, conservation agents and commissioners, planners, city/county managers, attorneys, engineers, and public works officials. Federal/State/regional floodplain managers also are encouraged to attend. The course is designed for those officials with less than 3 years of floodplain management experience.

Prerequisites: Prior to the course, participants must complete the:
• FEMA Flood Insurance Rate Map (FIRM) tutorial (30 min)
• FEMA Flood Insurance Studies (FIS) tutorial (40 min)

Resources: Attendees may want to download and review FEMA Publication 480 "Floodplain Management Requirements: A Study Guide and Desk Reference for Local Officials" prior to the course.

Continuing Education:
• 12 CECs for CFMs

REGISTRATION
Course: To register for the course, please contact Joy Duperault at joy.duperault@state.ma.us or 617-626-1406. Seating is limited to 35, register early!
Exam: To register for the CFM Exam, please complete the CFM Exam Application materials and submit with fee payable to the Association of State Floodplain Managers, c/o Anita Larson, at ASFPM 575 D'Donofrio Dr. Ste. 200, Madison, WI 53718. Submit CFM Exam related questions to cfm@floods.org or call 609-828-3000.

Managing Floodplain Development Through the National Flood Insurance Program
273 Student Manual
FEMA

NFIP and Community Rating System Training Webinars

Numerous free, online NFIP-related webinars including a Community Rating System (CRS) series, are available through FEMA's contractor, STARR. Many of the 1 hour courses are eligible for CEC credits for Certified Floodplain Managers (CFM).

Some of the upcoming webinars include: *Tools for Determining Base Flood Elevation*, *Introduction to CRS*, and the *Role of the CRS Coordinator*.

Use this [registration form](#) to register or to check on upcoming courses (click the "Upcoming" tab). New Hampshire is in FEMA Region 1.



Training and Events

ASFPM Certified Floodplain Manager (CFM) Exam - November 2, 2016 in Montpelier, VT

The Vermont Agency of Natural Resources will be holding a Certified Floodplain Managers (CFM) Exam at the agency's office in Montpelier, Vermont on November 2, 2016 from 1 pm to 4 pm. For those interested in taking the exam, you must complete the ASFPM application (see side bar) and submit it and the application fee to ASFPM by **no later than October 19, 2016**.

If there is enough interest in taking the CFM Exam, a one-day review session will be held prior to the exam. Once the exam date gets closer and there is a full list of people registered for the exam, the review session will be scheduled. If you are interested in taking the exam and/ or the review class, please contact Rebecca Pfeiffer at rebecca.pfeiffer@vermont.gov.

ASFPM Certified Floodplain Manager (CFM) Exam - December 9, 2016 in Kingston, MA

The Massachusetts Department of Conservation and Recreation, Office of Water Resources will be holding a Certified Floodplain Managers (CFM) Exam at the Kingston Municipal Complex in Kingston, MA on December 9, 2016 from 8:30 am to 11:30 am. The CFM exam will be held following the 4-day *Managing Floodplain Development through the NFIP* class (see page 4). For those interested in taking the exam, you must complete the ASFPM application (see side bar) and submit it and the application fee to ASFPM by **no later than November 30, 2016**.

ASFPM Certified Floodplain Manager (CFM) Exam in New Hampshire -

If anyone is interested in taking the CFM exam in New Hampshire, please contact Kellie Walsh (kellie.walsh@nh.gov or 603-271-1755) and we can look at scheduling a future date and location for the exam.

ASFPM CFM Exam Information

The Association of State Floodplain Managers (ASFPM) has established a national program for certifying floodplain managers. The ASFPM CFM® Certification exam measures a person's knowledge of a community's responsibilities under the National Flood Insurance Program (NFIP) and related floodplain management topics. The program recognizes continuing education and professional development that enhance the knowledge and performance of local, state, federal, and private-sector floodplain managers. For more information about the CFM Certification and application process and fees, please go to [ASFPM's web page](#).

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