Flooding Hazards and Floodplain Management



Acknowledgements

 Department of Community Affairs (DCA) http://www.state.nj.us/dca/



 Jacques Cousteau National Estuarine Research Reserve www.jcnerr.org



 Bruce Wallauer and Jim Watt – NJDEP Floodplain Management



• Richard Ehinhorn - FEMA



Course Expectations

Time Commitment Summary

- Course Overview, Forces on Flooded Buildings (1 hour)
- 2. Floodplain Mapping (1 hour)
- 3. Design and Construction Standards on Floodplains and The Relationship of Floodplain Management and the Construction Office (1 hour)
- Local Administration of the Floodplain Program (1 hour)
- 5. New Jersey's Land Use Regulations For Floodplain Areas (a.k.a Stream Encroachment) (1 hour)

Course Expectations

Interactive Resources

- During this course, you will be presented with a variety of resources for information. Some of those resources will be in the form of links on websites outside the course. For example:
 - You will be provided with a link to the DEP website to download some forms

Course Expectations

• Interactive Requirements

 The following tutorial will walk you through the steps to access information on various websites, and ensure that your computer system is capable of viewing the material.



Course Expectations

Interactive Requirements

 Here is a link to a letter from the NJDEP Commissioner. Click on the link below to ensure you can download the letter

www.njflood.org/docs/jacksonletter200602.pdf



After you click on the link, move to next slide (even if the link does not work for you)

You should have seen this screen next slide **Course Expectations** Interactive Requirements 1. If the document opens on your computer, continue with the tutorial 2. If the document does not open, you may need to download Adobe Acrobat reader, available for free at: http://www.state.nj.us/acrobat.htm 3. You will need Acrobat 7.0 or higher to access all the information contained in this webcourse **Course Expectations** Interactive Requirements 5. The other external website is the DEP I-MAP site. Click on http://www.state.nj.us/dep/gis/depsplash.htm# to open the DEP I-MAP home page 2. Click on to open the I-MAP viewer 3. If you can view a map of New Jersey, close the viewer and continue with the tutorial. 4. If the map does not load, you will need to follow the tutorial on the DEP website above to ensure you internet browser is compatible with the I-MAP tool

Course Expectations

Interactive Requirements

Now that you have ensured your computer is compatible with the necessary external websites, documents, and resource formats, you may continue with online course.

Course Expectations

End of section quizzes

 At the end of each of the following sections, you will be presented with a brief 5-10 question online quiz that will assess the knowledge you gained from the content provided. These quizzes will need to be successfully completed to continue in the program.



Course Expectations

End of section quizzes

- Any written or online sources may be used to answer the questions, as the goal of the program is to not only teach the concepts but demonstrate where additional information may be found.
- The quizzes will be accessed through a web link at the end of each module.



Quizzes

Here is an example of a quiz like the quiz you will be required to complete. The questions will be all short answer.



Course Expectations

Certification Requirements

To receive certification for the successful completion of this online course, you will need to complete the following:

- Completion of each of the sections of the online course
- Completion of each of the online quizzes
- Completion of the end of course survey

Forces of Floods on Buildings

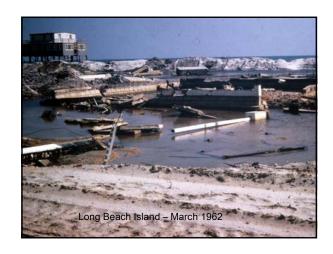
This introductory section will give you the sense of why there is the need for floodplain management.



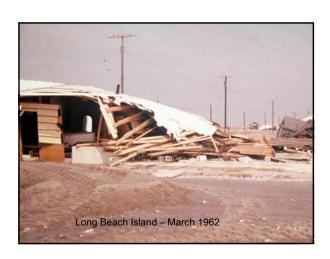


























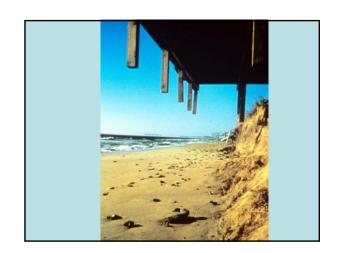


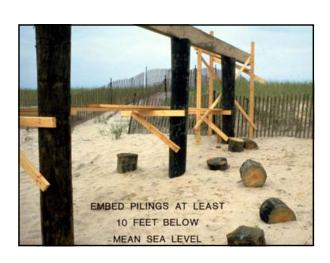


In a V zone – breakaway walls are required below the base flood elevation (BFE). Also, FEMA recommends pilings be driven 10 feet below mean sea level.





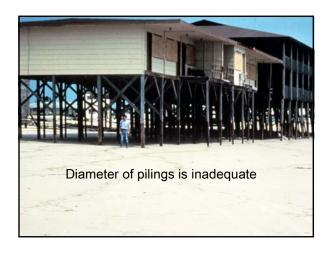


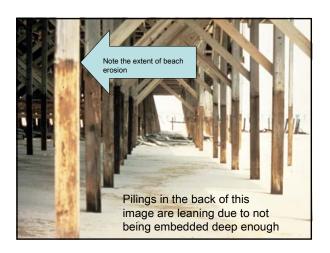
























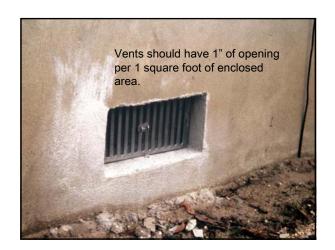






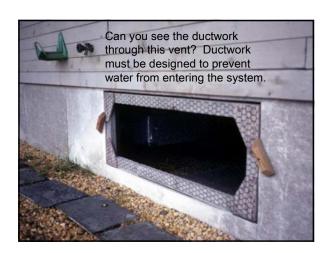








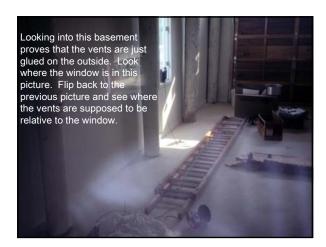




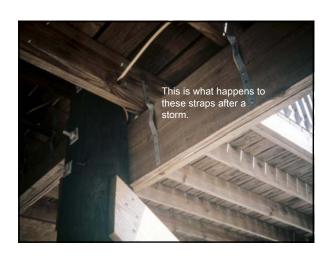










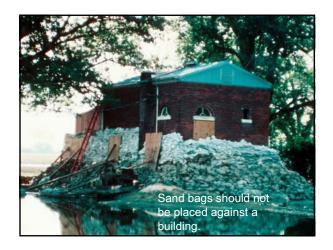
















In order to move onto the next section you must complete this module's web quiz. This Quiz can be found by clicking on the link below:	
www.surveymonkey.com/s.asp?u=812863436058	