

## Climate Adaptation: Flooding Risk

The Township of Ocean prepared its own maps and Floodplain Management Plan to visually assess our community's current vulnerability to flooding and future sea level rise scenarios in conjunction with the use of *NJFloodMapper* flood hazard visualization tool which is located on the Township website.

<http://www.twpoceannj.gov/sandy/NFIP.html>

Below is a narrative description of where to find these maps in our community's documentation, along with, summary of community assets located in harm's way.

### **1. FEMA Advisory Base Flood Elevations and Preliminary Flood Insurance Rate Maps**

FEMA Advisory Base Flood Elevations Map can be referenced in Appendix E. The Preliminary Flood Rate Maps can be found on Appendix F of the Township of Ocean, Floodplain Management Plan.

- There are no critical facilities located in the Special Flood Hazard Area in the Township of Ocean.
- There are a total of 1,537 residential properties and 40 commercial properties located in the Special Flood Hazard Area in the Township of Ocean. Refer to page 25 of the Township of Ocean, Floodplain Management Plan for more detailed information.
- The Preliminary FIRM indicates that the perimeter of the Township along the Barnegat Bay and Oyster Creek is located within the Special Flood Hazard Area. Refer to page 25 of the Township of Ocean, Floodplain Management Plan for more detailed information.
- Township of Ocean is located entirely within the Pinelands and CAFRA regulatory areas, with lands to the west of the Parkway located in the Pinelands and lands to the east located in CAFRA. The Forked River Mountains are also located in the western portion of the Township. Refer to page 31 of the Township of Ocean, Floodplain Management Plan for a map of natural features throughout the Township.

### **2. Sea level rise projections**

Sea level Rise Maps can be referenced in Appendix K of the Township of Ocean, Floodplain Management Plan. Impacts of Sea Level Rise on the Township of Ocean were also analyzed by JCNERR.

- Ocean is a predominately residential community, and as such much of the areas that will be affected by storm surge/or sea level rise are residential areas. The eastern portion of the Township, near the Bayfront, contains some of the highest densities of single family homes throughout the community. This is also the area that is and will continue to be most impacted by storm and flooding events. Refer to page 28 of the Township of Ocean, Floodplain Management Plan for more detailed information, page 30 -natural resources, and Appendix I- Critical Facilities Map.

### **3. Additional discussion questions**

- Please refer to Appendix E: Advisory Base Flood Map for Township zones.
- There are significant open space holdings within the SFHA, including holdings owned by the U.S. Government as part of the Barnegat National Wildlife Refuge. There are other large tracts owned by the NJ DEP and the Ocean County National Land Trust for natural land preservation. Refer to page 34 of the Township of Ocean, Floodplain Management Plan.
- Refer to page 39- Floodplain Management Plan: Emergency Services, page 42- Floodplain Management Plan: Action Plan and page 8- Floodplain Management Plan: Emergency Operating Plan.
- The Township has a Strategic Recovery Plan (attached in category submission) which along with the Floodplain Management Plan utilizes risk and vulnerability mapping to determine the location of future development.