



# MEETING NOTES

<b>Meeting</b>	Township of Brick Floodplain Management Plan (FMP) Planning Committee Assess the Problem Meeting		
<b>Date</b>	July 8, 2021	<b>Time</b>	4:00 – 5:00 p.m.
<b>Location</b>	Teleconference		
<b>Attendees</b>	Tara Paxton		
	Steve Kakovsky		
	Paul Mummolo		
	Chief James Riccio		
	Vanessa Tropiano		
	Rob Karl		
	Ron Jampel		
	Emil Ranaudo		
	Brian Jones		
	Brian Michigan		
	Christina Weaver		
Chris Huch, Planner, Tetra Tech, Inc. (Tetra Tech)			

## Discussion Points

This section summarizes each discussion point addressed during the Planning Committee Meeting.

## Project Updates

Mr. Huch welcomed attendees to the meeting.

- Mr. Huch noted that surveys for public input are available for dispersal by the Township and the Planning Committee members. An email will be sent out following the meeting containing links and QR codes for the following surveys:
  - Citizen Survey
  - Business and Commerce Survey
  - Emergency Services Survey
  - Repetitive Loss Area Analysis Survey

## Assess the Flood Hazard

Mr. Huch presented draft mapping from the Risk Assessment:

- Flood Insurance Rate Map
  - Mr. Huch explained the difference between flood zones and how the presence of wave action is designated by the VE zone and the Limit of Moderate Wave Action (LimWA) line. The committee discussed how the Township is protected on the



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oceanfront from wave action by the beaches, dune system, and the buried steel revetment seawall. Areas along the bayfront and riverfront are protected by bulkheads but floodwaters can exceed the height of the bulkhead.

- The Committee discussed potential changes to the FIRMs as they are updated. The last plan used information from the PFIRMs which were never fully adopted but represent the best available data.
- Storm Surge
  - Mr. Huch presented SLOSH model maps to represent storm surge risk for Category 1, 2, 3, and 4 hurricanes.
  - Mr. Huch explained that SLOSH is an acronym for Sea, Lake, and Overland Surges from Hurricanes and is a model that takes into account various storm characteristics such as wind speed, direction of storm attack, forward motion of the storm, and tidal cycle. The maps displayed for each category of hurricane are meant to represent the worst-case scenario for each category.
  - Mr. Huch noted that the category of a hurricane is not fully indicative of storm surge and that high category hurricanes can have lower surge values than lower category hurricanes due to various factors.
  - It was noted that New Jersey has not had a landfalling major hurricane in recorded history but has been impacted by major hurricanes in the past either passing offshore or occurring before record keeping had classifications for storms.
- Sea Level Rise
  - Mr. Huch explained that the FMP process will look not only at currently flooding impacts but also at future flooding impacts.
  - Mr. Huch explained that in the past hundred years, New Jersey has experienced about 16 inches of sea level rise. Mr. Huch noted that forecasts for sea level rise for the next hundred years are dependent on rates of atmospheric warming and land ice melt.
- Rainfall
  - Mr. Huch explained that average annual precipitation has increased slightly across New Jersey in recent decades.
  - There has been a significant increase in extreme rainfall events. These types of events can overwhelm the stormwater system and natural waterways.

## Next Steps

Mr. Huch confirmed that the Public Information Meeting would take place following Committee meeting conclusion. Mr. Huch noted that Tetra Tech is working to complete the Risk Assessment.

The meeting adjourned at 5:00 pm.