







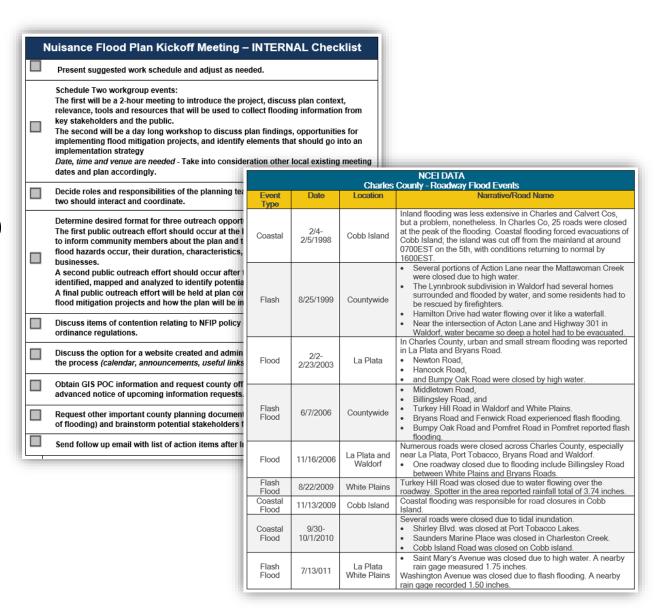
## Steering Committee Meeting - December 17

#### Agenda Items:

- Roles and Responsibilities
- Data Request
   Planning Documents
   911 Call Center Flood Locations
- Flood Tour Planning January 23
- Stakeholder Meeting I Planning February 20
- Stakeholder Meeting II Workshop Planning
   2 hr Stakeholder Meeting 3-5PM
   2 hr Public Meeting Session 5-7PM

#### Advance Planning Concepts:

- ESRI Story Map Plan Platform
- Story Telling Media Shoot



## Field Visit – January 23

Attendees:

Planning and Growth Management

**Emergency Management** 

Contractors: MES / Michael Baker / Smith Planning and Design















## Nuisance and Urban Flooding Stakeholder Group Meeting – February 20

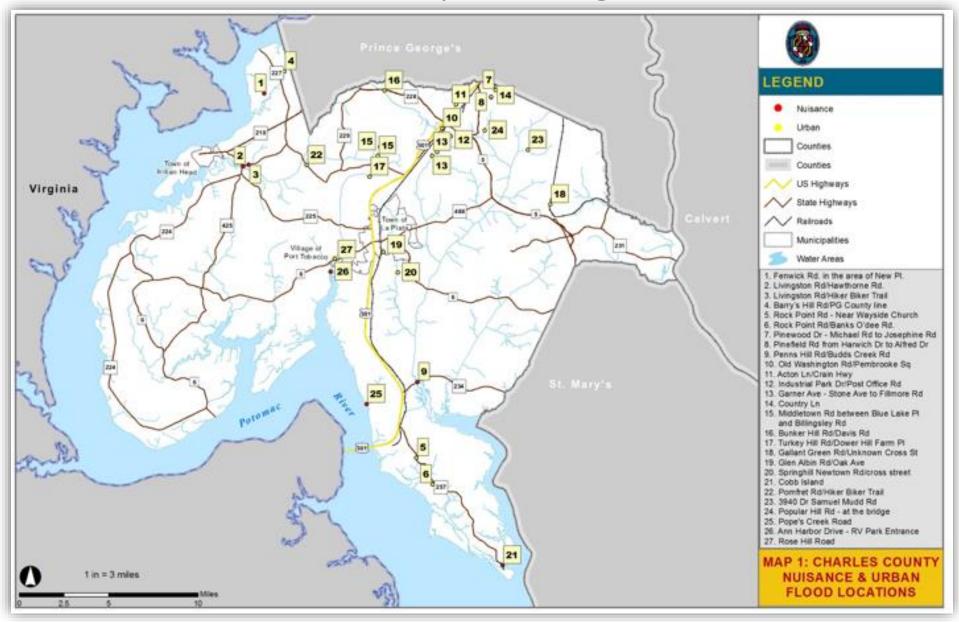








## Results BEFORE Stakeholder Group Meeting



## Nuisance & Urban Flooding Stakeholder Group Meeting – February 20

#### **Step 1 Instructions**

- Select scribe and speaker.
- Review current listing.
- · Provide additional flood areas/locations not identified on current listing, if any.
- Complete blank forms for newly identified locations to the extent possible.
- Using wall maps and stickers identify additional flood areas/locations.
- Add missing information to current listing, if known.

2020 Flood Nuisance Plan

Work

Work

Session

Session



#### **Step 2 Instructions**

- Consider ideas, initiatives, and projects for each identified flood area/location.
  - · Lists ideas, initiatives, and projects on the form under the following phases of emergency management:
    - Preparedness;
    - · Response; and,
    - Mitigation.
  - Refer to reference materials to assist in the process.

### **Group Report**

available

Work Session Question: Are pictures available of these flood areas/locations? Are flooding in-progress pictures

2020 Flood Nuisance Plan



#### **Group Report**

Work Session

Highlight the locations that were considered as "high priority" by your group. In addition, discuss your most beneficial and/or creative ideas, initiatives, and projects

2020 Flood Nuisance Plan





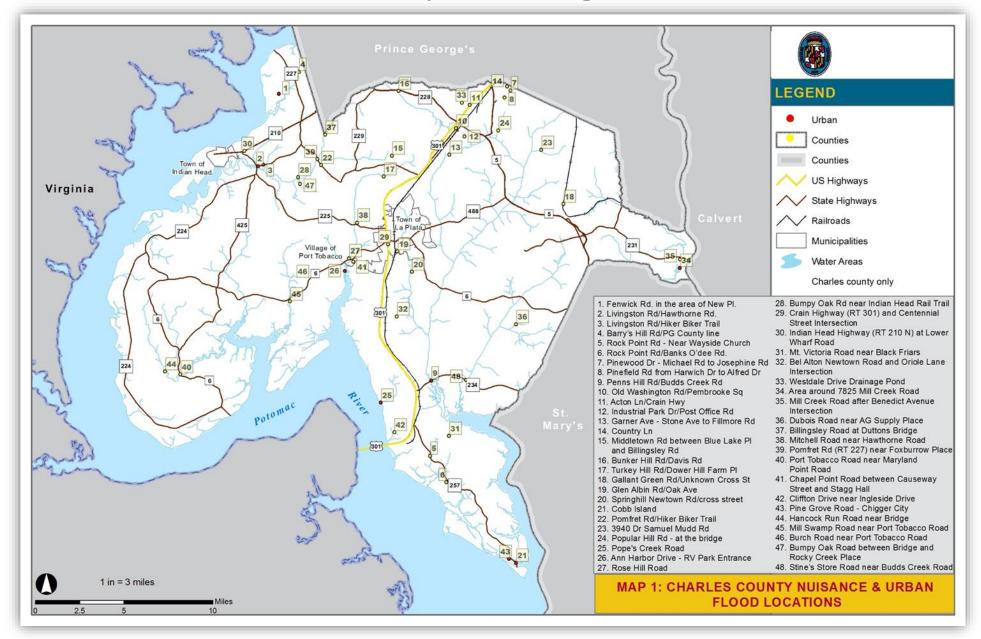








## Results AFTER Stakeholder Group Meeting



# Flood Hazard Assessment & Nuisance | Flooding Tidal Results

Location
Description
Source of Flooding
Water Level Mark
Jurisdiction

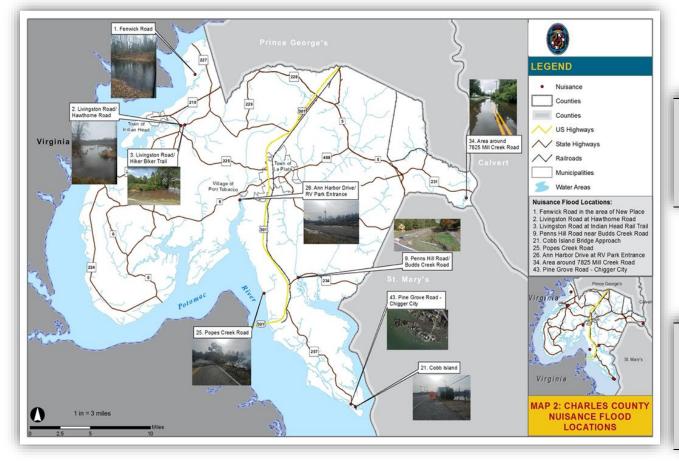
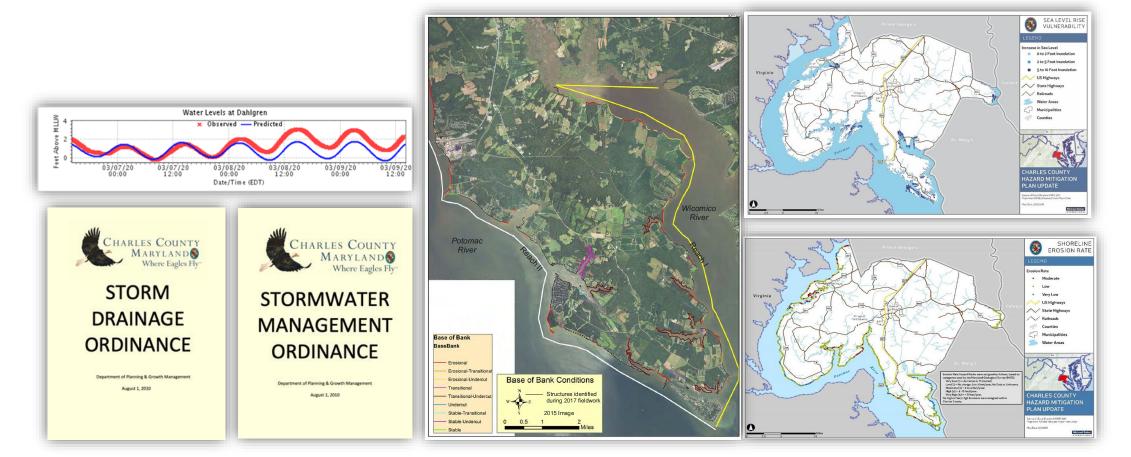


TABLE 1: NUISANCE AND URBAN FLOOD LOCATIONS				
Identifier	Location Name	Source of Flooding	Water Level Mark	State/County/ Municipal
	Fenwick Road in the area of New Place	Nuisance - Pomonkey Creek	2 feet	County
1	Description: Located in the northwestern portion of the county, Fenwick Road is in close proximity to Pomonkey Creek. Swamp areas surround Fenwick Road. Several low points along the roadway allows water to overtop the roadway. Also, the road is at the same level as the creek. Flooding occurs along Fenwick Road between Blanchard Place and Ward Place.			
	Livingston Road (RT 224) at Hawthome Road (RT 225)	Nuisance - Tributary #1 to Mattawoman Creek; storm surge, high tide and heavy rain events	1-2 feet	State
2	Description: Due to a very low spot on Livingston Road (RT 224), water overtops the roadway frequently. A tributary to the Mattawoman Creek intersects at this site. A wetland is located along the road. Also, a culvert is located at the intersection of Livingston and Hawthorne Roads, which may be blocked by overgrown vegetation. Beaver dam issues are also exacerbating the flood issue. In the past, flooding has caused the entire roadway close for 2 days.			
	Livingston Road (RT 224) at Indian Head Rail Trail	Nuisance - Tributary #2 to Mattawoman Creek	1-2 feet	State
3	Description: The low area on Livingston Road floods during high tide. This low area is at the Indian Head Rail Trail. The trail floods causing water to flow across Livingston Road. A tributary to the Mattawoman Creek is near this area. Flooding in this area is also contributed to by the wetland that floods mentioned in Site #2.			
	Barry's Hill Road near Old Marshall Hall Road	Urban - Mill Swamp	1-2 feet	County
4	Description: Barry Hill Road is adjacent to Mill Swamp. The road elevation is nearly level with the water elevation on both sides of the road. Drainage north from Mill Swamp to the Potomac River may be limited by blocked culverts or poor conveyance. There are two access points into the area and signage indicating "Flood Area" is located along the side of the road. Flooding at this site is also contributed to by beavers located downstream on a private property.			
5	Rock Point Road (RT 257) in the area of Wayside Church	Nuisance & Urban - Flash Flood; Piccowaxen Creek & Wicomico Creek	Less than 1 foot	State
	Description: Low section of the road allows overtopping during a heavy rain event.  Ditchley Prong in close proximity to the area. Route 257 is located within the floodplain. During severe weather events, all of the road and structures are underwater. Complete destruction after an event.			

## Plan Integration

Hazard Mitigation Plan - Sea Level Rise / Erosion Rate
Assessment and Shoreline Management Plan
Critical Area Coastal Resilience Planning Guide
Sea-Level Rise Projections for Maryland 2018
NOAA Tidal Gauge Data - Naval Surface Warfare Center (NSWC) at Dahlgren, Virginia.
Storm Drainage Ordinance
Stormwater Management Ordinance



## Nuisance and Urban Flooding - Emergency Management Context

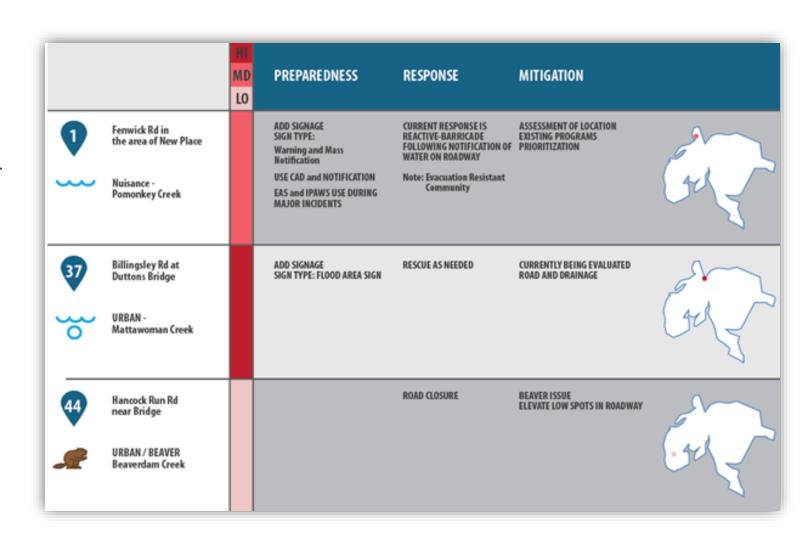
Preparedness - Measures taken to prepare before an emergency occurs Response - Prevent further property damage during an emergency situation. Mitigation - Minimizing or eliminating the impact before and after emergencies.

Risk ranking criterial was based on the level of water observed and reported at each identified site:

LOW - Water Level reported as less than 1 foot of water or no information provided

MEDIUM - Water Level reported as 1-2 feet of water

HIGH - Water Level reported as 3 feet or more



## Public Outreach - StoryTelling

Coordinated with Charles Co. Media Department StoryTelling Booth set up for Residents during Public Workshop

Public Announcement and Interview Script

Post COVID 19
Virtual Alternatives to Interviews
Coordinate with County agencies
Identifying Key Public Figures to interview
Next Steps



## **Project Story Map**

Information Sharing through all steps of the project Updates and Key Dates are Posted Project Results are Posted User Interphase – "I have Flooding here" Links to other Resources

