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

**AGENDA**

**Morning Session**
- 9:00 Welcome & Introductions
- 9:15 Project Scope, Schedule, & Expectations
- 9:45 Climate Change Literature Review & Context
- 10:00 Break
- 10:15 Work Session Coastal Flooding & Sea Level Rise Group Work & Report Out
  - Site Specific Problem Statement & Description;
  - Preparedness;
  - Response;
  - Mitigation.
- Noon Lunch Provided

**Afternoon Session**
- 12:30 Work Session Urban Flooding Group Work & Report Out
  - Site Specific Problem Statement & Description;
  - Preparedness;
  - Response;
  - Mitigation.
- 2:30 Next Steps
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.

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

**Group Report**
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.
Results AFTER Stakeholder Group Meeting

MAP 1: CHARLES COUNTY NUISANCE & URBAN FLOOD LOCATIONS

1. Fernwick Rd in the area of New Pl
2. Livingston Rd/Newborne Rd
3. Livingston Rd/Hiker Biker Trail
4. Barry’s Hill Rd/PG County line
5. Rock Point Rd - Near Wayzata Church
6. Rock Point Rd/Banks Crv Rd
7. Pinebrook Dr - Michael Rd to Josephine Rd
8. Pinfield Rd from Harrich Dr to Alfred Dr
9. Penn's Hill Rd/Buds Creek Rd
10. Old Washington Rd/Penticoqque Sq
11. Acton Ln/Crain Hwy
12. Industrial Park Dr/Potter Office Rd
13. Germers Ave - Stone Ave to Fillmore Rd
14. Country Ln
15. Middletown Rd between Blue Lake Pl and Billingsley Rd
16. Banker Hill Rd/Oaks Rd
17. Turkey Hill Rd/Owens Hill Farm Pl
18. Gallant Green Rd/Unknown Criss St
19. Glen Albin Rd/Oak Ave
20. Springhill Newtown Rd/cross street
21. Cobb island
22. Point Rd/Hiker Biker Trail
23. 3490 Mr Samuel Mudd Rd
24. Popular Hill Rd - at the bridge
25. Poplar's Creek Road
26. Ann Harbor Drive - RV Park Entrance
27. Rose Hill Road
28. Bumpy Oak Rd near Indian Head Rail Trail
29. Crain Highway (RT 30) and Centennial Street Intersection
30. Indian Head Highway (RT 210 N) at Lower Wharf Road
31. Mt. Victoria Road near Black Fries
32. Bel Alton Newborn Road and Oriole Lane Intersection
33. Westgate Drainage Pond
34. Area around 7825 Mill Creek Road
35. Mill Creek Road after Benedict Avenue Intersection
36. DuBois Road near AG Supply Place
37. Billingsley Road at Cullums Bridge
38. Mitchell Road near Hawthorne Road
39. Point Rd (RT 227) near Foxburrow Place
40. Port Tobacco Road near Maryland Point Road
41. Chapel Point Road between Causeway Street and Stagg Hall
42. Clifton Drive near Ingerside Drive
43. Pine Grove Road - Chigger City
44. Hancock Run Road near Bridge
45. Mill Swamp Road near Port Tobacco Road
46. Burch Road near Port Tobacco Road
47. Bumpy Oak Road between Bridge and Rocky Creek Place
48. Stina's Store Road near Buds Creek Road
# Flood Hazard Assessment & Nuisance Flooding Tidal Results

## Location

### Description

Source of Flooding: Water Level Mark: Jurisdiction

## TABLE 1: Nuisance and Urban Flood Locations

<table>
<thead>
<tr>
<th>Identifier</th>
<th>Location Name</th>
<th>Source of Flooding</th>
<th>Water Level Mark</th>
<th>State/County/Municipal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fenwick Road in the area of New Place</td>
<td>Nuisance - Pomonkey Creek</td>
<td>2 feet</td>
<td>County</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Livingston Road (RT 224) at Hawthorne Road (RT 225)</td>
<td>Nuisance - Tributary #1 to Mattawoman Creek; storm surge, high tide and heavy rain events</td>
<td>1-2 feet</td>
<td>State</td>
</tr>
<tr>
<td>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 to close for 2 days.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Livingston Road (RT 224) at Indian Head Rail Trail</td>
<td>Nuisance - Tributary #2 to Mattawoman Creek</td>
<td>1-2 feet</td>
<td>State</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Barry's Hill Road near Old Marshall Hall Road</td>
<td>Urban - Mill Swamp</td>
<td>1-2 feet</td>
<td>County</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Rock Point Road (RT 257) in the area of Wayside Church</td>
<td>Nuisance &amp; Urban - Flash Flood; Piccowaxen Creek &amp; Wicomico Creek</td>
<td>Less than 1 foot</td>
<td>State</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
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 criteria 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 Interface – “I have Flooding here”
Links to other Resources
Contacts
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2020 Charles County Flood Nuisance Plan