
RECAP OF THE JOINT MEETING OF THE USWG AND CRWG

PRESENTATION FOR THE WQGIT
OCTOBER 26, 2021



AGENDA AND OBJECTIVES

Goals:

- Get general partner endorsement of the completed work
- Round up some top research recommendations for CRWG
- Gather feedback on priority next steps/recommendations for partners

AGENDA AND OBJECTIVES

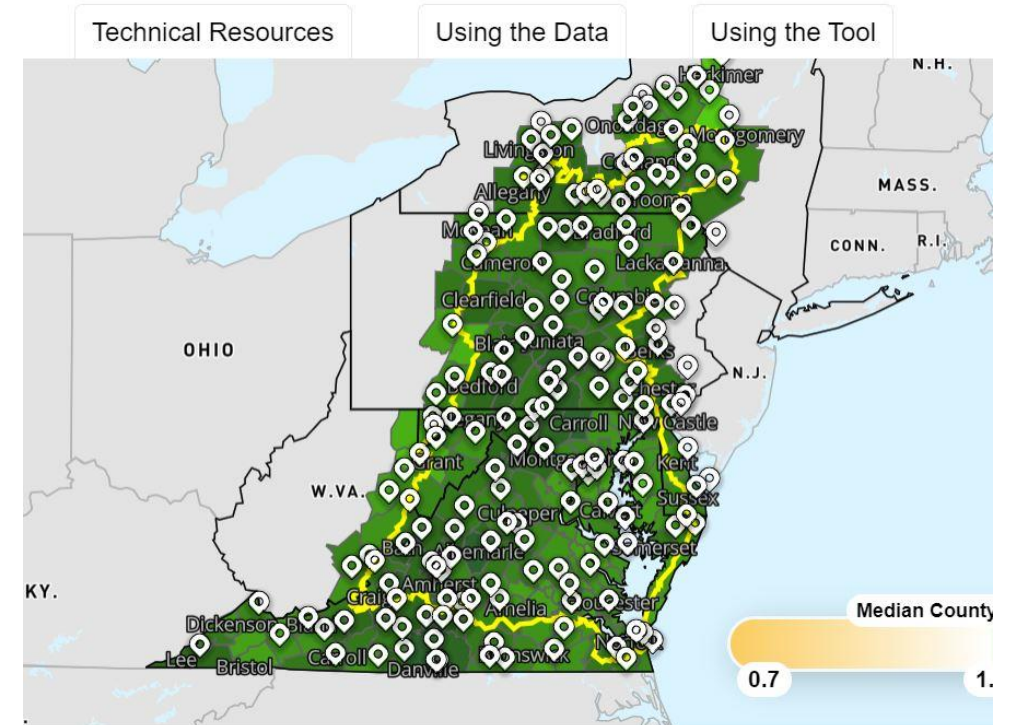
“Looking Back”

- Virginia Tech Synthesis of Climate Impacts on BMPs
- CSN Reports on Stormwater BMP Vulnerability Analysis
- RAND and Tetra Tech Climate Change-Informed IDF Curves

“Looking Ahead”

- Resilient Stream Restoration Design Considerations
- Resilient Stormwater BMP Design
- Case Studies and Next Steps for Implementing Resilient Design Principles
- Floodplain Management and Climate Change

**Projected Intensity-Duration-Frequency (IDF) Curve Data
Tool for the Chesapeake Bay Watershed and Virginia**



CAVEAT...

This is David's recap of the meeting last week... we are still collecting feedback and more formal recommendations will be forthcoming.



KEY THEMES

- Both research and implementation support are needed in spades
- They can be advanced simultaneously, but prioritizing actionable tools for local partners should be the goal
- Buy-in from state-agency partners and subsequent communication with their locals is critical
- Need to think about best ways to package tools to aid their “adoptability”
- Still seeking feedback on specific priority initiatives



“Well, you finally did it Davis, you came up with a milk carton that nobody can open.”

SOME HEADLINES

Catastrophic Failure

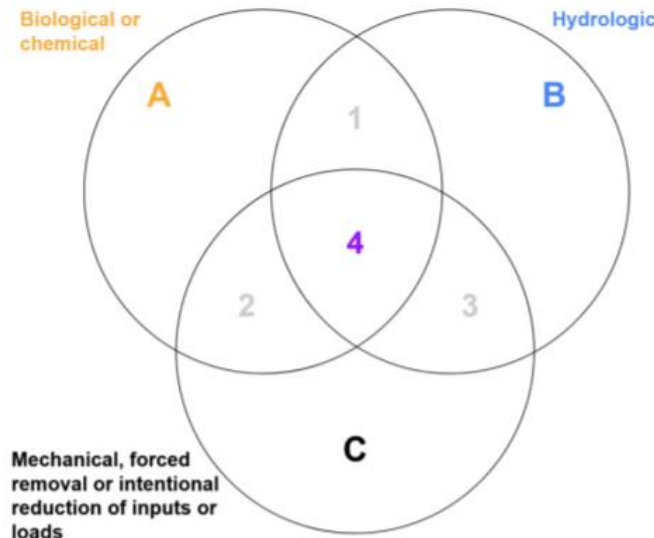
Structural Failure

Water Quality
Performance
Failure

Water Quantity
Performance
Failure

Diminishing Performance

Anticipated Failure



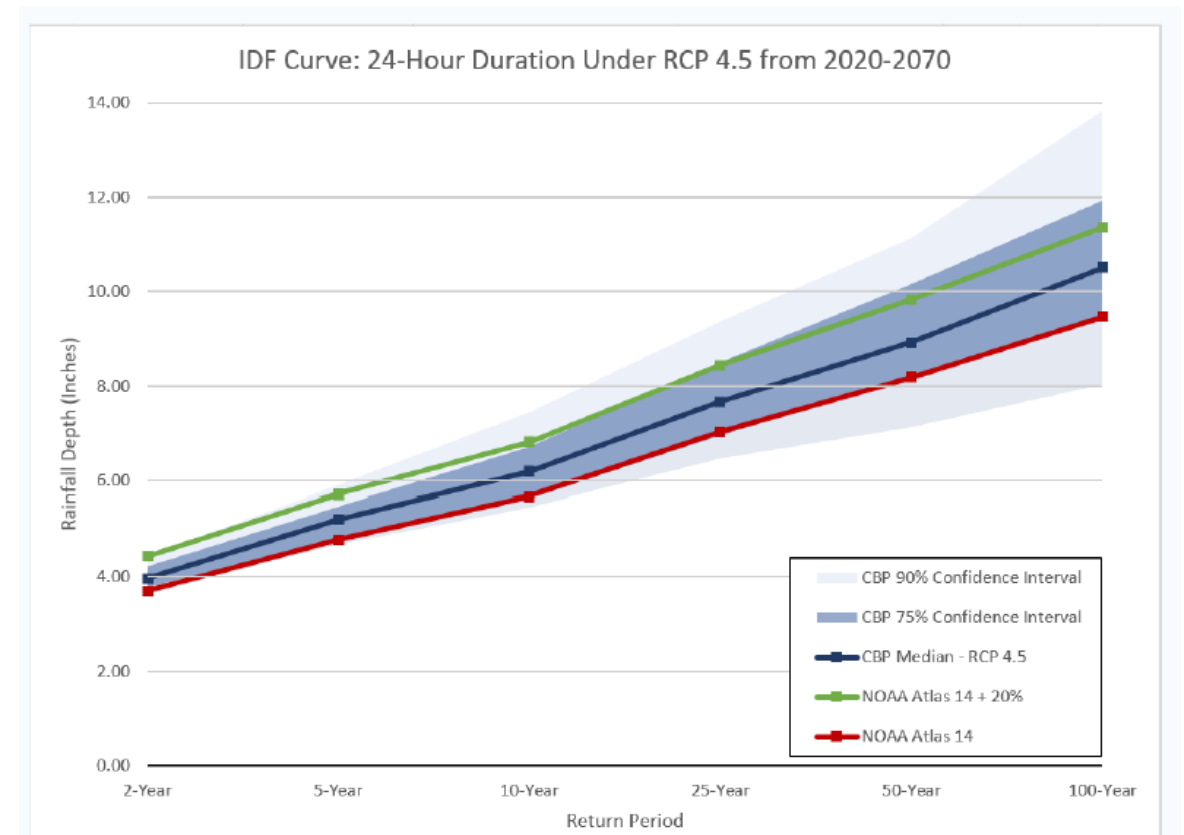
BMP Performance

- Stormwater BMPs face more maintenance, more overflow, and more bypass, among other impacts
- We have some frameworks for assessing vulnerabilities
- We have some frameworks for variability, but maybe not performance
- There is partner interest in piloting new design specs – but they need some support

SOME HEADLINES

Modeling

- Climate-informed IDF curve work will be iterative – and needs translating
- More long-term studies are needed on BMP performance under climate change
- Micro-bursts are tricky



SOME HEADLINES

Decision Making Frameworks

- How are decision makers operationalizing projections?
- How are planners determining their desired level of service, project objectives, and appropriate sites/practices?
- Vulnerability assessment tools

WHAT'S NEXT

- White paper and survey distributed for feedback
- November USWG meeting to review/discuss results and make recommendations
- Collaborate with CRWG on priority research recommendations
- Return to WQGIT in Dec/Jan with implementation support recommendations