Integrating Science and Developing Approaches to Inform Management for Chemicals of Concern in Agricultural and Urban Settings

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Final report summary of the STAC Workshop held May 2019

Next Steps: STAC Letter to CBP

- Gaps in compiling and communicating potential removal efficiencies for contaminants
  - Continued expansion and compilation of BMP studies
  - Examine known and emerging contaminants
  - Capitalize on possible co-benefits
- BMPs are necessary investment to reduce contaminant loads and improve water quality
  - Research investment to understand co-benefits or negative impacts
  - Close working relationship between researches and management community to develop tools

- Prepare CBP responses to STAC

Potential CBP Responses to STAC

STAC:

- Gaps in compiling and communicating removal efficiencies
- Close working relationship between researches and management community

CBP Action 1: Enhance Interaction with Audiences for Contaminant Information

- Jurisdictions:
  - Implementing Phase 3 WIPs
- Water Quality GIT & workgroups
  - Ag, Stormwater, WWTP
- Local TMDL implementation
  - States, DC, and local jurisdictions
- Science providers

Potential CBP Responses

STAC: Close working relationship between researches and management community

CBP Response 2: Take advantage of Phase 3 implementation

- Nutrient and sediment BMPs with contaminant benefits
- Jurisdictions consider BMP planning
- New findings provided 2 years
- Materials to inform decisions

2020	2021	2022	2023	2024	2025
Phase 3 WIPs	New findings		New findings		New findings

Potential CBP Responses

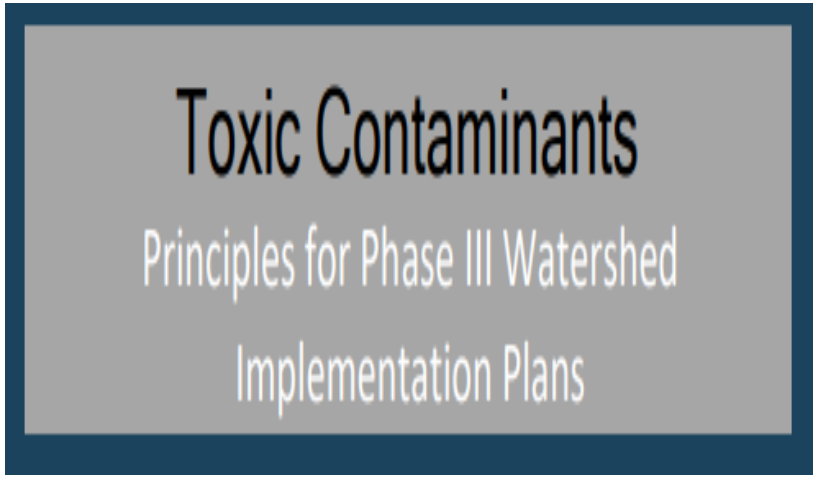
STAC: Gaps in compiling and communicating removal efficiencies; close working relationships

CBP 3: Enhance Communication Materials to Inform Decisions

- Stakeholder input on most useful topics
  - Ag, Urban, WWTP WGs

- Fact Sheets/

Briefing Materials

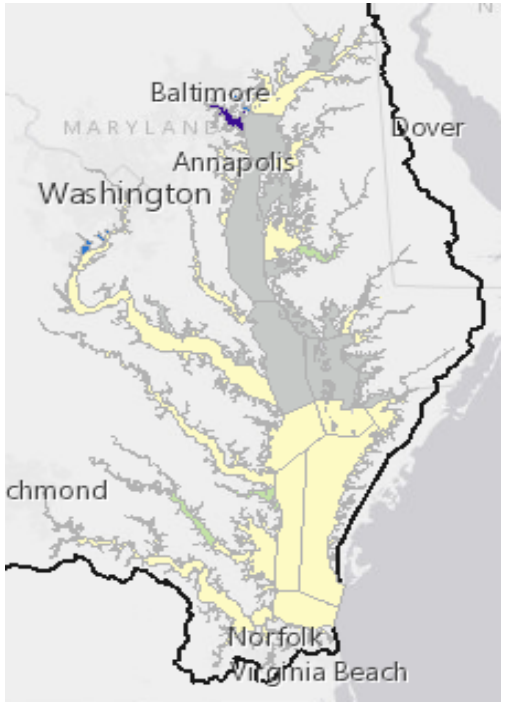


Best Management Practice	Urban Pollutants	Agricultural Pollutants
Ag Forest Buffer		4
Streamside Forest Buffers		3
Narrow Forest Buffer	3	3
Runoff Reduction	2.5	
Wet Ponds	2.5	
Urban Forest Buffers	2.5	
Filtering Practices	2	
Infiltration Practices	2	
Dry Ponds	2	
Bioretention	1.5	

Potential CBP Responses

STAC:

- Research investment to understand co-benefits or negative impacts;
- Gaps in compiling and communicating potential removal efficiencies for contaminants



CBP 4: Compile results and expand BMP studies

- Science needs updated
- Synthesis of BMPs from existing studies
- Expand studies for contaminants of most concern
- Monitoring for progress in reducing contaminants/impacts

CBP 5: Selected BMP results into CBP tools

- Watershed Dashboard, modeling, and CAST

Next Steps and Questions

- Present findings and draft response to WQ GIT and WGs
- Response through CBP to STAC
- Progress on responses
- Build into TCW action plans

- Questions?
- Follow-up:
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