

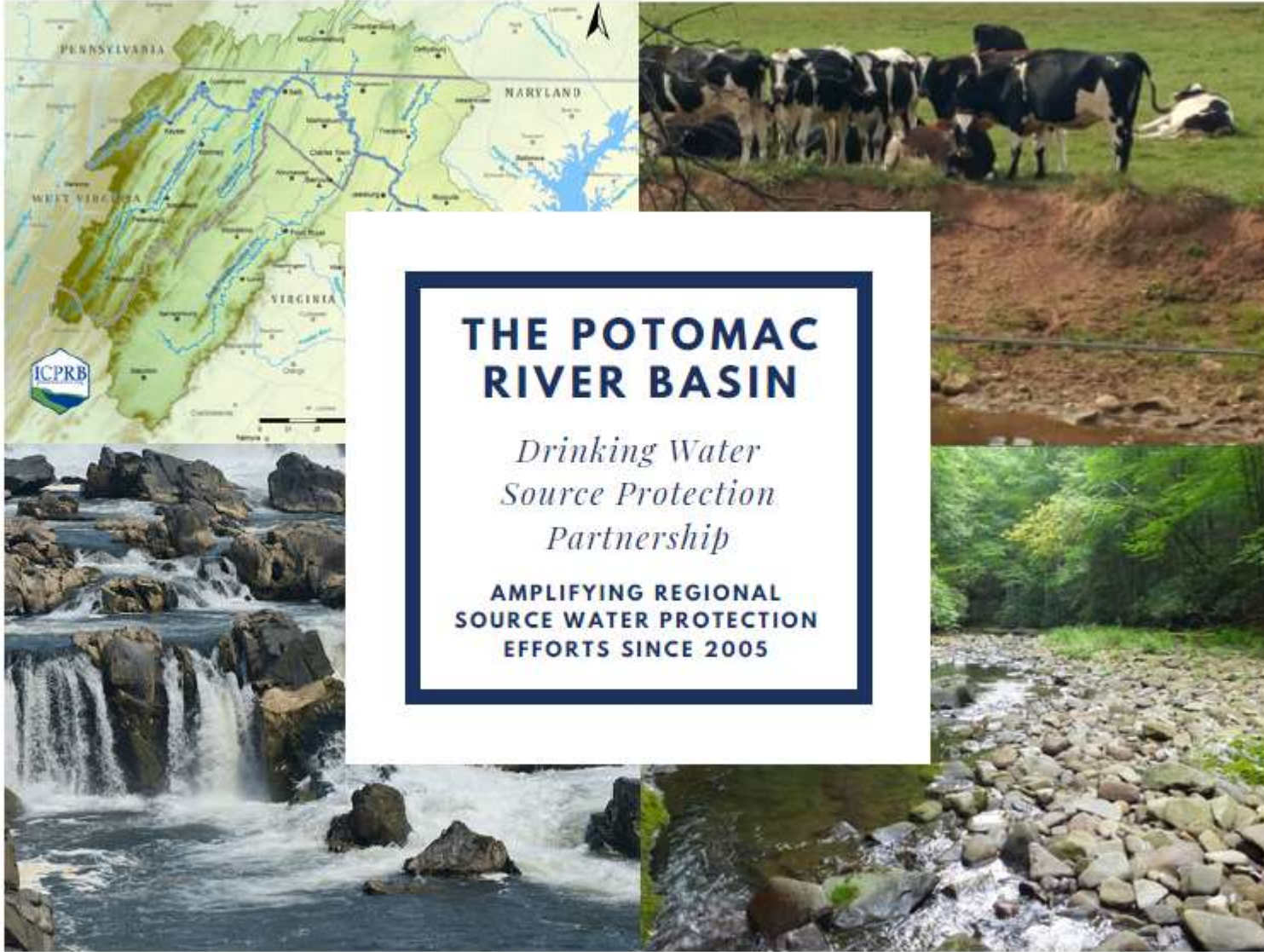


2019 in Review

Annual Meeting

13 November 2019





Workgroups

- Contaminants of Emerging Concern
- Urban and Industrial Issues
- Agricultural Issues
- Reaching Out
- Water Quality
- Early Warning & Emergency Response
- Utility Committee
- Government Partners Committee

Contaminants of Emerging Concern

Martin Chandler, WSSC

Pat Bowling, PA DEP

Cathy Magliocchetti, EPA

2019 Highlights

- Tracking UCMR4 data from periodic updates released by USEPA from the NCOD database.
- Tracking PFAS legislation and regulation, as well as limited occurrence data (information on potential sources within the basin is being developed in Water Suite).
- Participated with MWCOG on developing talking points for responding to public inquiries.
- Monitoring news and research on microplastics (an intermittent or infrequent activity only).
- Following news and reports of Harmful Algal Blooms, including one in the Potomac River.

2020: Continued focus on UCMR4, PFAS and HABs

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Potomac DWSPP Algae Project

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 - Subcommittee on Internal Education
 - EPA Freshwater HABs Newsletter
 - Great Lakes Commission HABs Collaboratory
 - Guidance Documents
 - MWCOG References
 - Read This - Scoping Meeting References

Discussions

+ new discussion

Recent | My discussions | Unanswered questions | ...

[Webinar on July 2: Cyanotoxins – Advancing Drinking Water Science to Protect...](#)
 Website: <https://www.asdwa.org/event/cyanotoxins-drinking-water-science-to-protect-h...>
 By Renee Bourassa | June 26

[Harmful Algal Bloom–Associated Illnesses in Humans and Dogs ...](#)
https://www.cdc.gov/mmwr/volumes/66/wr/mm6643a5.htm?s_cid=mm6643a5_eCyanob...
 By Magliocchetti, Catherine | November 3, 2017

Documents

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✓	Name	Modified	Modified By
	Algae_Project_Update_2_22_17	February 28, 2017	Magliocchetti, Catherine
	DRAFT Algal Toxin UCMR4 reqts	November 7, 2017	Magliocchetti, Catherine
	DRAFT HAB Response flow chart	November 7, 2017	Magliocchetti, Catherine

Urban and Industrial Issues

Greg Prelewicz, Fairfax Water

2019 Highlights

Support and Coordination with MWCOG Water Sector Program

1. Provided new information/updates into WaterSuite database
 - Maryland Tier 2s
2. Initiated PFAS Source Inventory Project

Deicing/Winter Chemicals

1. Participation in Virginia DEQ Salt Management Strategy Workgroups
2. Research and tracking; regional event (MWCOG April Workshop)

Review NPDES discharge renewals/permit applications/issues

1. Requested and discussed 7 draft permits: *Rockwool Insulation Plant, Brook Lane Mental Health, Mt. Storm/Virginia Power, U.S. Silica, Ox Paperboard, Potomac North, Verso Luke*
2. Coordination of comments and responses
3. MDE presentation at May meeting to discuss MD CSOs and reporting

2020: Continued work towards short-term goals and objectives laid out in the strategic plan

- Investigate and report on trends of urban and industrial areas in the Potomac River basin.
- Monitor, review and comment on applicable NPDES or equivalent state discharge permit renewals to advise regulators about drinking water source water concerns and impacts.
- Continue to gather and track information about urban and industrial sites in the basin and communicate with Partnership members.
- Prioritize communities or other urban and industrial stakeholders with whom to begin a dialogue on source water protection issues. These should be identified based on proximity, density, potential for protection, potential for contamination, or other parameters.
- Investigate best management practices regarding the use of deicing / winter maintenance chemicals.
- As applicable, track all information related to facilities of significance using the WaterSuite Source Water Protection GIS tool.

Agricultural Issues

Pam Kenel, Loudoun Water

2019 Workgroup Objectives

- *Understand where we can make a difference.*
- *Identify and collaborate with other standing groups.*
- *Leverage activities of other organizations and programs.*
- *Bring money through funding pathways.*

Leverage Opportunities from 2018 Farm Bill

- Develop Relationships. Establish contacts and initiate dialogue with State Conservationists and State Technical Committees.
- Understand the Process. Determine how the states will implement Farm Bill directive to prioritize drinking water sources.
- Initiate Dialogue. Presentations on Source Water Protection to STCs (VA, MD), collaborative development of priorities (MD), and following the discussion (WV, PA).



10% Funding for conservation programs applied to protect sources of drinking water

Authorizes State Technical Committees to identify local priorities for SWP.

Excellent Workgroup Collaboration and Participation!

- Over 20 active workgroup members
- Collaboration between federal, state, utility members and guests (3 conference calls + individual follow-up)
- Meetings with State Conservationist and State Ag Dept (2+ calls, 2 meetings)
- Attendance at State Technical Committee Meetings - all 4 states
- Attendance at Local District Meetings – Montgomery County
- Invited presentations at several state meetings



Example Criteria for Prioritizing Surface Water Intakes



Agricultural factors:

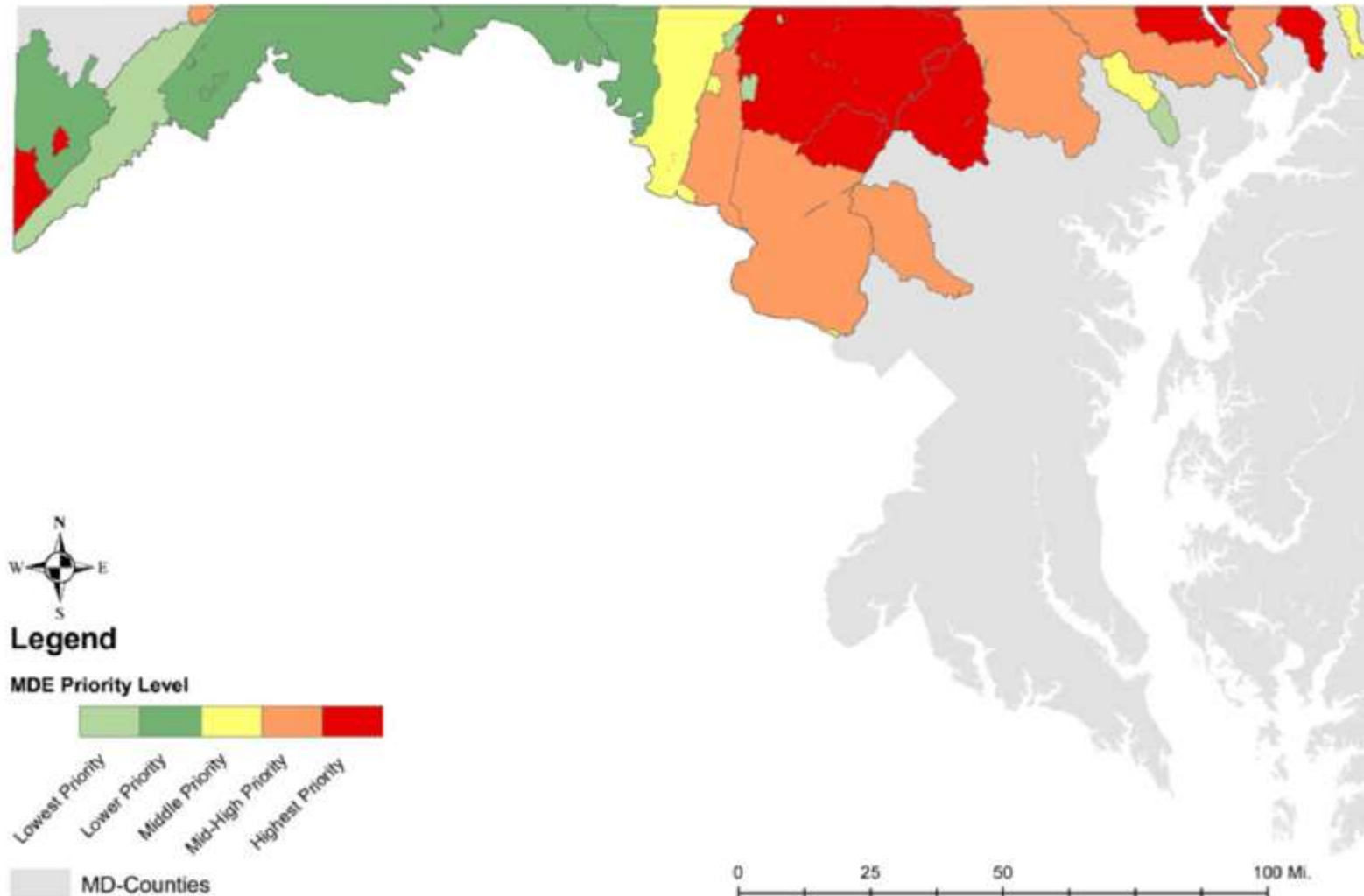
- Percent Crop Cover
- Percent Pasture Cover
- Animal Density

Water Quality Parameters

- Sensitivity to Pathogens
- Sensitivity to DBPs
- Sensitivity to Nutrients

	Criteria	Possible Points Earned
<u>Agricultural Importance</u>	Percent Crop Cover	4
	Percent Pasture Cover	4
	Animal Density	4
<u>Water Quality Parameters</u>	Average [E. coli]	4
	Percent E. coli Samples over EPA Trigger Level	
	Average [Total Organic Carbon]	4
	If source is an Impoundment	1
	If source is impaired or has TMDL	1
	History of Algal Blooms (HABs vs. Other Blooms)	2

Maryland Surface Intake Prioritization
August 12, 2019



Map used in collaborative prioritization effort.

Reaching Out Workgroup - ROW

Lisa Ragain, MWCOG
John Deignan, DC Water
Renee Bourassa, ICPRB

dc
water is life

Safeguarding Water from Forest to Faucet: A Utility's Perspective

DRINKING WATER SOURCE PROTECTION PARTNERSHIP
A COALITION OF WATER UTILITIES AND STATE. **POTOMAC River Basin**

23 MEMBERS

The Partnership of utilities, government agencies, and regional stakeholders provides the network and resources needed to strengthen individual organizations and advance our shared mission.

58 MEETINGS SINCE 2005

Quarterly sessions educate members about current research, regulatory affairs, new initiatives, and emerging issues. Workshops have been held on emergency spill response, cryptosporidium, endocrine disrupting chemicals, harmful algal blooms, roadway deicers, urban stormwater, land conservation, beef and dairy industries, the Clean Water Act, climate change, and UCMR.

serve as a cooperative and voluntary partnership working towards the goal of improved source water protection of the Potomac River in recognition of the vital role of the river in supplying drinking water to millions of people within the Potomac watershed and in support of a multi-barrier approach to safeguarding the drinking water supply for public health.

THE POTOMAC RIVER BASIN
Drinking Water Source Protection Partnership
AMPLIFYING REGIONAL SOURCE WATER PROTECTION EFFORTS SINCE 2005

Reaching Out Workgroup Activities

2019

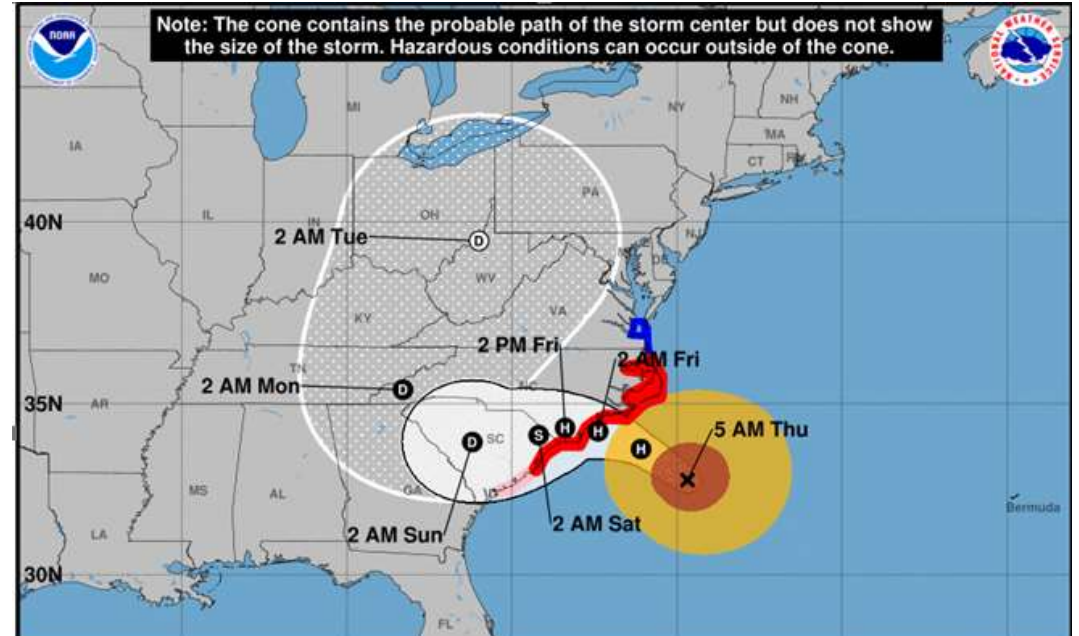
- Identify potential DWSPP members and recruit
- Content for other workgroup focus
 - PFAS
- Virginia Forests & Drinking Water Forum
- Promotional materials

2020

- Annual Report
- Distribute DWSPP invitations
- Promo Bookmark
- Emerging Contaminant FAQs
- Member assistance as needed

Early Warning & Emergency Response

Joel Thompson, Fairfax Water



2019 Highlights

- Collaborated with the Water Quality Workgroup:
 - Completed updates to the Utility Spill Response Plan.
 - Updated the protocols to upload information on the Spills.io website.
 - Organized an online Potomac Spills Groups.io Protocols exercise that was a quasi-spill exercise.
 - Compiled parameters being measured on the Potomac including online instruments
- Collaborated with the Water Security Workgroup (COG) to identify USGS parameters being measured

2020

- Identify the need and timing for another tabletop spill exercise
- Work with GenOn to determine the feasibility to deploy a boom near Whites Ferry and then to attempt another exercise. Identify funding.
- Identify alarm parameters for online instrumentation.

Water Quality

Nifty Saji, Fairfax Water



2019 Highlights

- Updated the DWSPP Utility Spill Response Plan (Plan)
 - The Plan was updated on June 2019 and available on the DWSPP website (<https://www.potomacdwspp.org/about-us/water-quality-data-workgroup/#spill>)
 - Collaborated with the Early Warning/Emergency Response Workgroup to update the protocols to upload information on the Spills.io website. The updated protocols are available on the DWSPP website (<https://www.potomacdwspp.org/wp-content/uploads/2019/07/Appendix-F-Spill-Response-File-Protocol-June-2019.pdf>)
 - Collaborated with the Early Warning/Emergency Response Workgroup to organize an online Potomac Spills Groups.io Protocols exercise. The after action report from the exercise is available on the DWSPP website (https://www.potomacdwspp.org/wp-content/uploads/2019/11/Groups.io_Exercise_SummaryReport_June2019_Final.pdf)
- Currently updating the spreadsheet containing information on utility specific water quality monitoring

2020:

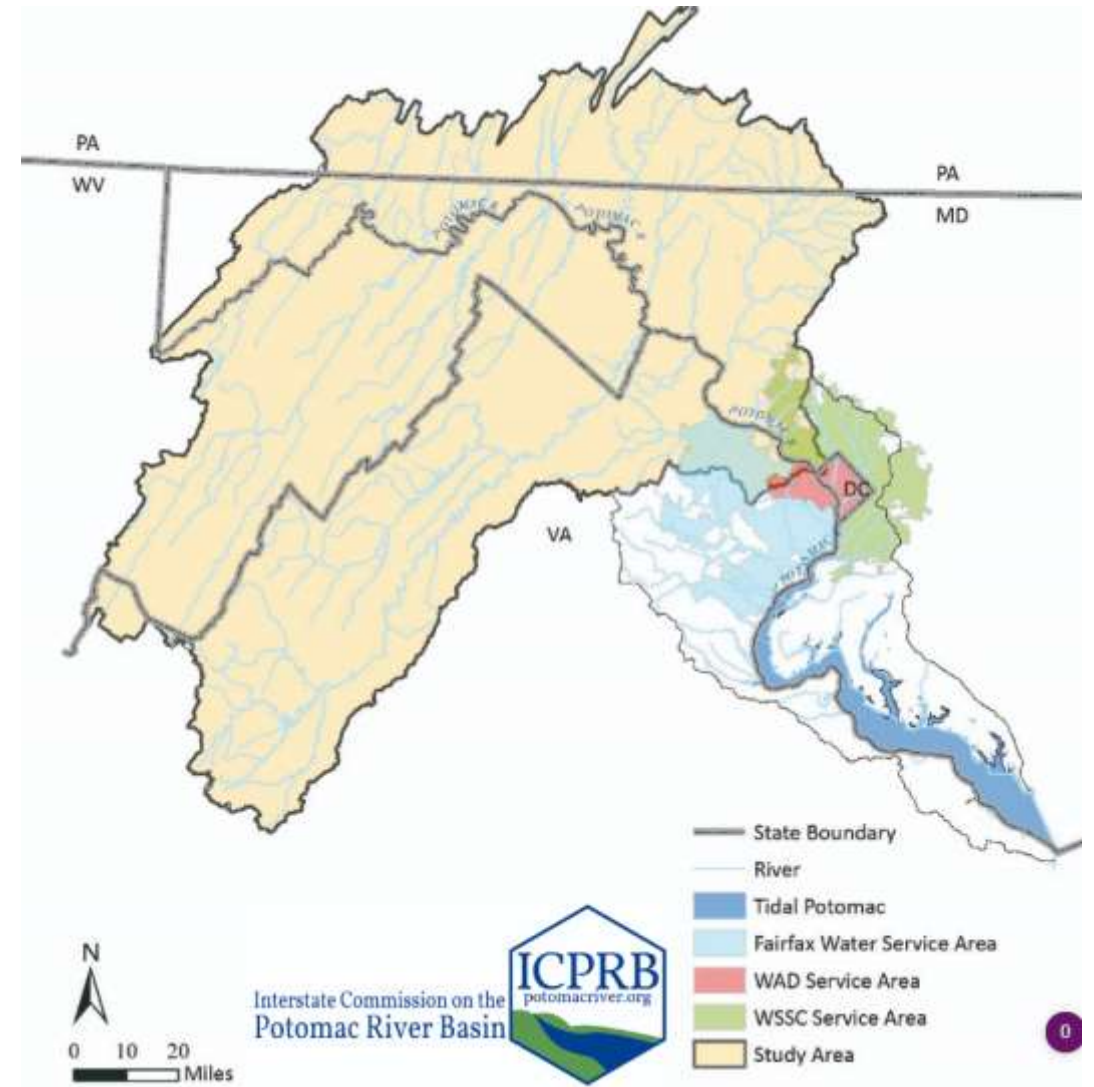
- Maintain DWSPP Utility Spill Response Plan:
 - Participate and support Spill Exercises
 - Periodically update the Spill Response Plan to reflect the changing needs of the utilities.
- Explore timely water quality issues and develop an understanding of possible sources of contamination.
- Continue to participate in webinars and workshops on water quality issues.
- As appropriate, sponsor an information session on water quality issues.
- Maintain an updated spreadsheet containing information on utility specific water quality monitoring.
- Support DWSPP projects related to water quality issues.
- Update the HAB Monitoring Information

Utility Committee

Priscilla To, WSSC
Joel Caudill, WSSC

Government Committee

Karrie Crumlisch, EPA
Region 3



DWSPP 2020 Priorities

Renee Bourassa, ICPRB

- Develop a relationship with the Natural Resources Conservation District.
- Contact facilities that pose a high source water contamination risk.
- Implement improvements to regional response, including planning spill response exercises throughout the basin.
- Develop a work plan to address issues related to contaminants of emerging concern.
- Hold stakeholder meetings to further develop collaborative source water protection efforts.