

Carroll County Water Resource Coordination Council

Hampstead * Manchester * Mt. Airy * New Windsor
Carroll County Health Department



* Sykesville * Taneytown * Union Bridge * Westminster
Carroll County Government

WRCC Meeting Summary January 24, 2024

Attendees:

Municipalities:

- Kevin Hann, Chair, Hampstead
- Jim Wieprecht, Vice Chair, Taneytown
- John Dick, Westminster
- Gary Dye, New Windsor
- Delbert Green, Manchester
- Mayor Perry Jones, Union Bridge
- Rodney Kuhns, Manchester
- Alex Perricone, Manchester
- Kevin Rubenstein, Sykesville
- Kevin Smeak, Taneytown
- Dick Swanson, Mount Airy

CC PLM:

- Daphne Daly
- Brenda Dinne
- Glenn Edwards
- Chris Heyn, Director
- Claire Hirt
- Byron Madigan
- Kelly Martin
- Denise Mathias
- Zach Neal
- Janet O'Meara
- Pat Varga
- Hannah Weber

Health Department:

- Richard Brace

CCG Others:

- Andy Watcher, CC DPW
- Bryan Bokey, CC DPW
- Lydia Rogers, CC M&B

Guest Speakers:

- Scott Lowe, MDTU
- Tom Giannaccini, MDTU
- Greg Prieur, MDTU

1. Opening Statement

Chair – Kevin Hann

Mr. Hann opened the meeting at 2:30 PM. He noted he sat in on the interviews for the NPDES Compliance Specialist position and was happy that they found someone.

Vice Chair – Jim Wieprecht

Nothing additional.

2. Approval of Meeting Summary – December 21, 2023

Approval of the December meeting summary was discussed. No changes were made.

APPROVAL OF MINUTES: Motion was made by Mayor Perry Jones and seconded by Jim Wieprecht to approve the December 21, 2023, meeting summary. Motion carried.

3. Trout Unlimited Trout Conservation Efforts – Scott Lowe

- Mr. Lowe was accompanied by two other Trout Unlimited colleagues – Tom Giannaccini and Greg Prieur.
- Mr. Lowe shared Trout Unlimited's goals for and purpose of brook trout conservation. He discussed key facts about Maryland brook trout, the needs/requirements of this native species, and their current status in Upper Gunpowder River watershed.
- He reviewed some of Trout Unlimited's current programs and projects and Trout Unlimited partners, including temperature loggers and Trout in the Classroom.

Reference/Attachment:

- *PowerPoint: Maryland Chapter Trout Unlimited Brook Trout Conservation Effort*

4. Water Resources Element (WRE 2024) Update – Brenda Dinne

- Task 1.2: Automation of Portions of Buildable Land Inventory Model: Hazen anticipates completion of the add-on of details in technical memo soon.
- Task 2: Groundwater Allocability: Task completed.
- Task 3: Emerging Contaminants: Task completed.
- Task 4: MDE TIPP Spreadsheet Comparison: There were issues with the TIPP spreadsheets. Staff will meet with Hazen on February 5 to discuss the issues.
- Task 5: Climate Change Impacts: Task completed.
- Task 6: Update 2010 WRE Supporting Documents: Technical team staff completed a review of the five updated documents. The comments will be sent to Hazen this week. Ms. Dinne requested that the municipalities review their individual wastewater sections to be sure they are accurate once a clean, revised copy has been received from Hazen.

Reference/Attachment:

- *N/A*

5. Municipal Stormwater Projects Update – Janet O’Meara

- Ms. O’Meara provided an update on the municipal stormwater restoration projects.
- Ms. O’Meara shared that they are working on scheduling a date to look at possible projects that aren’t currently on the list of planned projects.

Reference/Attachment:

- *Municipal Project Status, January 2024*

6. PFAS Discussion

- Ms. Dinne shared information from Mr. Dye that New Windsor’s wells have tested below the proposed limit.
- Hampstead approved two engineering contracts to start engineering and design for construction projects. The Town will use local funds for the design work, and EPA/MDE funding for the construction.
- Mount Airy recently sent to an outreach piece to homeowners to share measures can take.

Reference/Attachment:

- *N/A*

7. Other

- February WRCC Meeting: The next meeting will be held on February 28, 2024. Byron Madigan will be the guest speaker on the topic of stream temperature evaluation data.
- Legislative Update: Ms. Dinne reviewed proposed bills related to water resources or environment in which the municipalities may be interested. She provided a table listing the bills, a link to the bill on the Maryland General Assembly website, and current status.
- Stormwater Tour: Ms. Dinne shared that staff will be working with Maryland Department of the Environment (MDE) to gage their interest in and identify a date to provide MDE with a tour of some of Carroll’s surface sand filter facilities.
- EAC Water Conservation Public Outreach: The Environmental Advisory Council will be working on a public outreach piece to provide residents with water conservation measures. Even when the county is not in a drought situation, the municipalities encourage conservation to preserve capacity. Ms. Dinne will request information from the municipalities regarding their voluntary and mandatory restrictions and what the triggers are.

- New Planning & Land Management Deputy Director: Mr. Heyn introduced Daphne Daly, the new Deputy Director.
- NPDES Compliance Specialist: Ms. Hirt shared that Mitch Masser has been hired to fill the NPDES Compliance Specialist position. He starts February 15. After he starts, staff will coordinate with the municipalities to meet the municipal staff and get oriented to their offices and facilities.
- 12 SWS/20SW Facilities: Mr. Edwards will be sending out a reminder about snow melt samples.

Reference/Attachment:

- *WRCC Legislative Update: 2024 General Assembly Proposed Water/Environmental Resource Legislation, January 24, 2024*

8. Adjournment

The meeting adjourned at 3:46 PM.

MEETING ADJOURNMENT: Motion was made by Alex Perricone and seconded by Dick Swanson to adjourn the January 24, 2024, meeting. Motion carried.

Upcoming Meetings:

- ☐ *Regular Monthly Meeting – Wednesday, February 28, 2024*

Maryland Chapter Trout Unlimited Brook Trout Conservation Effort



Photo by Matt Kline

January 2024

MDTU Brook Trout Conservation Co-Coordinator:
Scott Lowe, CC-P
scott@flyfishmend.com

Tom Giannaccini - MDTU Trout In The Classroom Coordinator
Greg Prieur – MDTU TIC Carroll County Coordinator

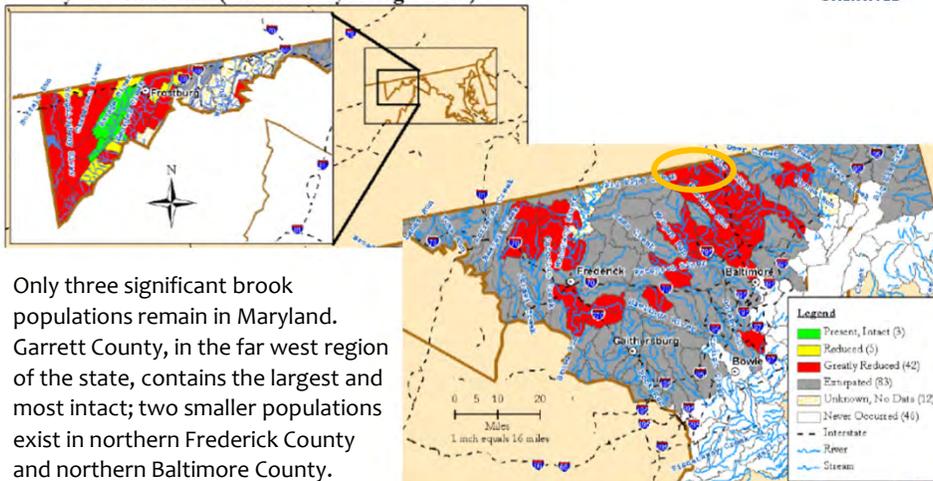


1

Maryland Brook Trout Population Status



Maryland Brook Trout Population Status by SubWatershed (6th Level Hydrologic Unit)



Source: 2006 Maryland Brook Trout Fisheries Management Plan

Upper Gunpowder Falls Watershed Brook Trout Conservation Partnership

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Key Facts on Maryland Brook Trout



- Maryland's only native freshwater trout species.
- Maryland Department of Natural Resources has listed brook trout as a 'Species of Greatest Need of Conservation' in its federally-mandated Wildlife Diversity Conservation Plan.
- An important indicator species, brook trout require relatively pristine habitat conditions. Survival typically requires water temperatures below 68 degrees F. (cold water), clean water, bugs – macroinvertebrates.
- Human impacts such as deforestation, agricultural land use, and urbanization have resulted in the extirpation of brook trout from 62% of their historic habitat.
- Maryland's Gunpowder basin supports the second-highest number of brook trout in the state, holding 25.2% of the total Maryland population.



Upper Gunpowder Falls Watershed Brook Trout Conservation Partnership

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Key Environmental Requirements

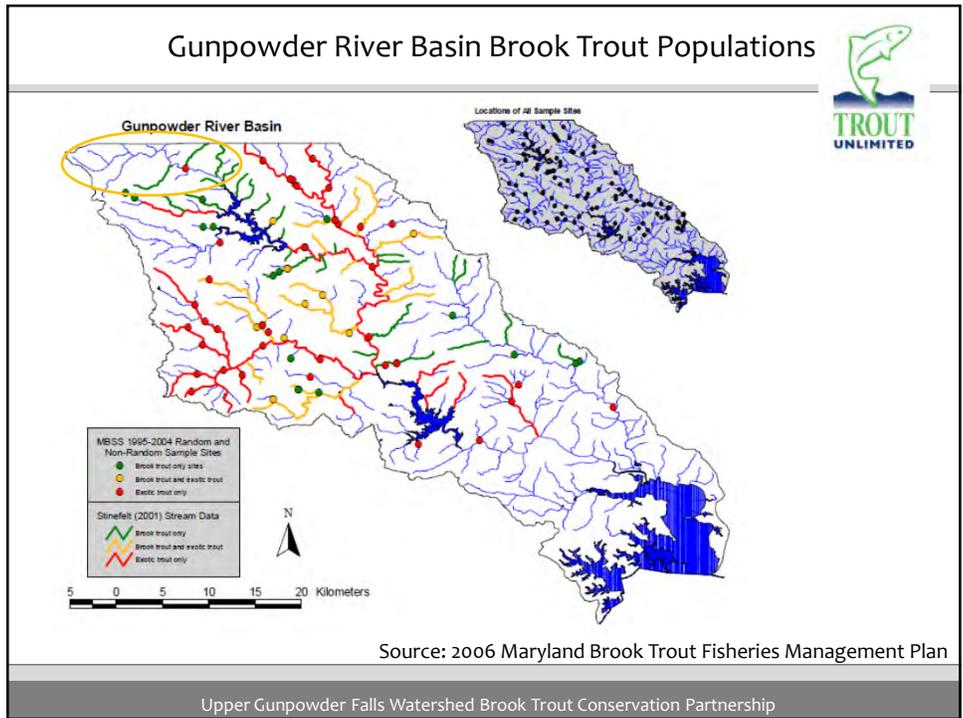


- Ideal temperature is below 68°F
- Adults can't survive over 77°F, but reproduction slows over 70°F
- Watersheds should have at least 68% forest cover
- Brook trout need less than 4% *impervious surfaces* in watershed
- 80% of stream must be forested – for 1.6 miles

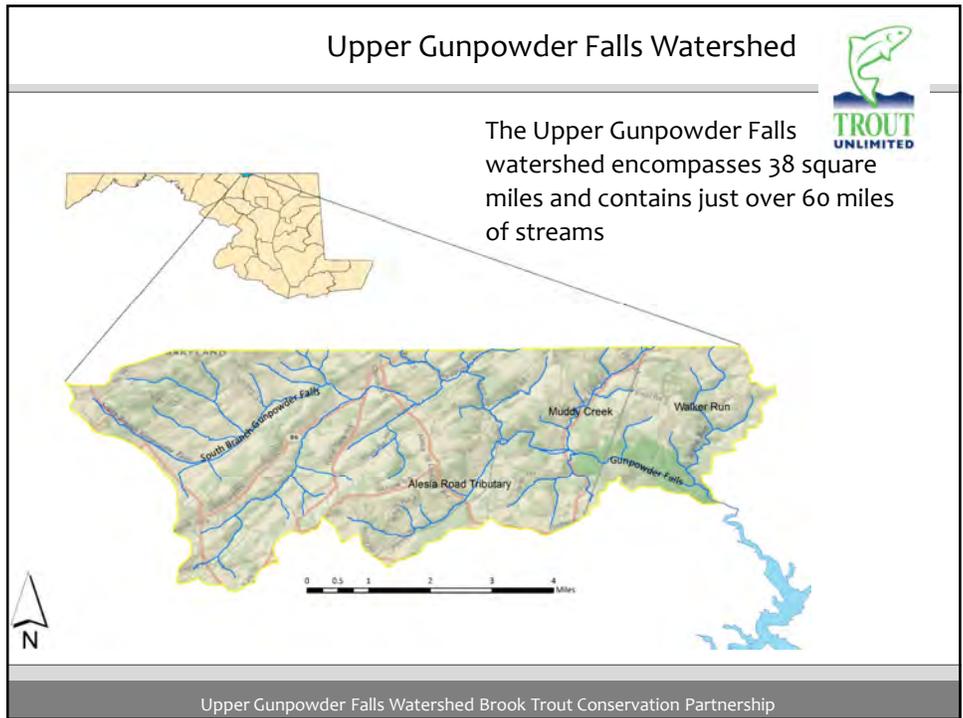


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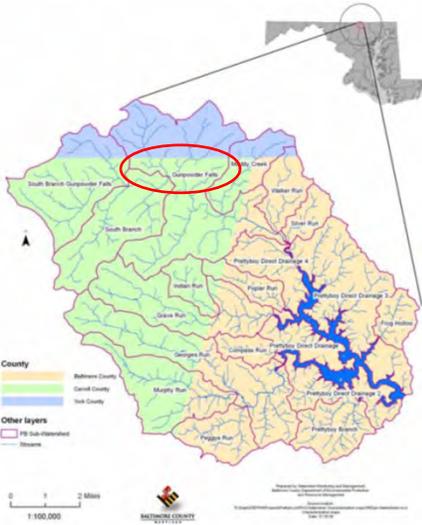
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Prettyboy Reservoir Watershed





2.4 Goal 2: Restore and Maintain Aquatic Biodiversity
Goal Statement: Maintain existing aquatic biodiversity and recreational fishing opportunities in the Prettyboy Reservoir Watershed, while exploring opportunities to expand and restore them in currently unsuitable areas.

Portions of the Prettyboy Reservoir watershed support populations of brook trout, a watch list species; and generally have good aquatic diversity. Yet three of the five 12-digit watersheds are listed as being biologically impaired. The objectives are related to maintenance and enhancement of the existing aquatic biodiversity and the restoration of aquatic biodiversity in areas where it is impaired. This goal specifically focuses on brook trout habitat and the maintenance and expansion of brook trout populations.

The brook trout is referenced 86 times in this 108 page document !

Source: Prettyboy Reservoir Watershed Restoration Action Strategy

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Habitat Challenges



- Poor agricultural, forest, and land use practices degrade water quality parameters throughout the Chesapeake Bay watershed, including negative impacts on native brook trout habitat, frequently located in the fragile headwaters of watershed systems.
- Intensive land development and lack of forest cover results in widespread increases in stream temperatures, reducing viable fish habitat.
- Development increases the amount of impervious surface, (pavement) producing runoff that leads to increased sedimentation. Among other negative ecosystem impacts, sediment compromises fish spawning habitat.



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Brook Trout Conservation Partnership Mission



A group of volunteers, organizations, and governmental agencies, the Partnership works collaboratively to improve water quality and stream habitat, helping to conserve and restore brook trout populations in the Upper Gunpowder Watershed.

Founded Fall of 2014

Upper Gunpowder Falls Watershed Brook Trout Conservation Partnership

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Brook Trout Conservation Partners



Partners

- Maryland Chapter Trout Unlimited
- Maryland Dept. of Natural Resources Inland Fisheries Mgt. Division
- U.S. Fish and Wildlife Service – Chesapeake Bay Workgroup
- Maryland DNR Biological Stream Survey
- Baltimore County
- Carroll County
- Eastern Brook Trout Joint Venture
- Prettyboy Watershed Association
- Gunpowder Valley Conservancy
- Alliance for the Chesapeake Bay
- Maryland Dept. of Natural Resources Forest Service
- U.S. Forest Service
- U.S. Geological Survey – Leetown Science Center
- Potomac Valley Chapter Trout Unlimited

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Brook Trout Conservation Partnership Objectives



- Ensure the protection and conservation of Maryland's remaining high-quality habitat that supports brook trout populations.
- Return marginal stream habitat to a condition which will support the conservation and where feasible restoration of healthy historic brook trout ranges.
- Educate and engage landowners, emphasizing the importance and value of preserving the limited number of habitats in Maryland that support brook trout populations.
- Help landowners realize the full economic benefit of their property through best practices in conservation, forestry, and land management.
- Collaborate with private and public landowners to implement scientifically proven storm water management techniques that improve water quality in the Chesapeake Bay watershed.
- Connect private landowners with grant opportunities to improve land management practices.
- Promote land use and conservation strategies that respect land use rights while ensuring the protection of our water resources, habitat, and native flora and fauna.

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Typical Stream Physiography

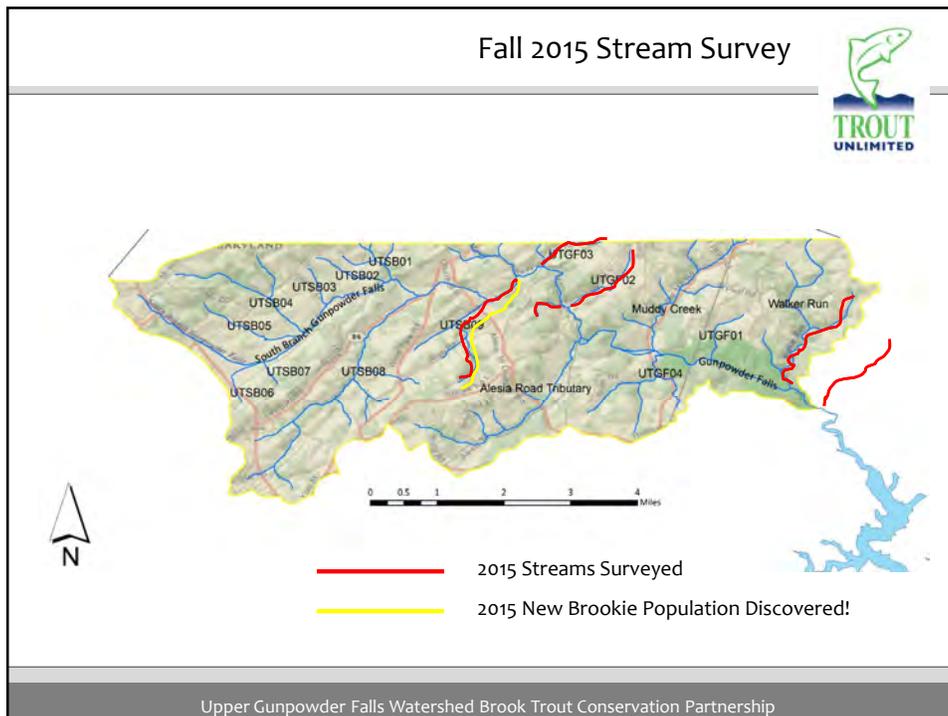


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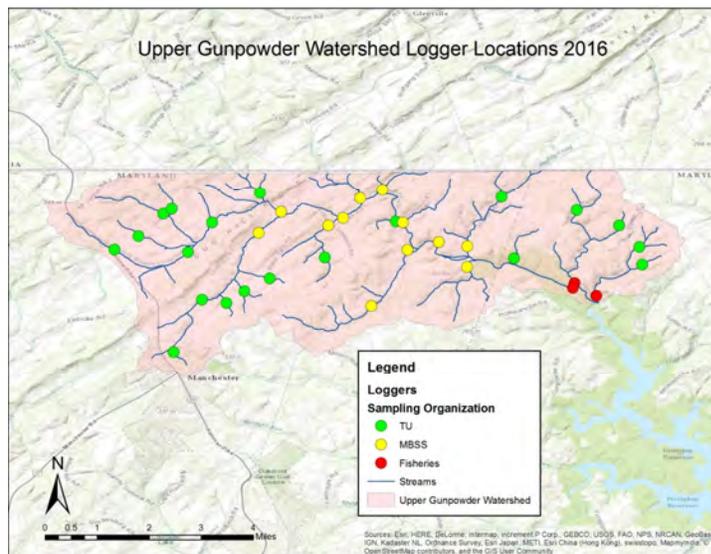
Temperature Logger Deployment



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Temperature Logger Deployment - Continues



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Culverts (Road-Stream Crossings)



- Culverts that do not allow for fish passage can isolate populations, which increases the likelihood of *extirpation*
- Fish can not move upstream to spawn or find cooler water



Good passage



Isolated upstream population

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Road-Stream Crossing Assessments



North Atlantic Aquatic Connectivity Collaborative

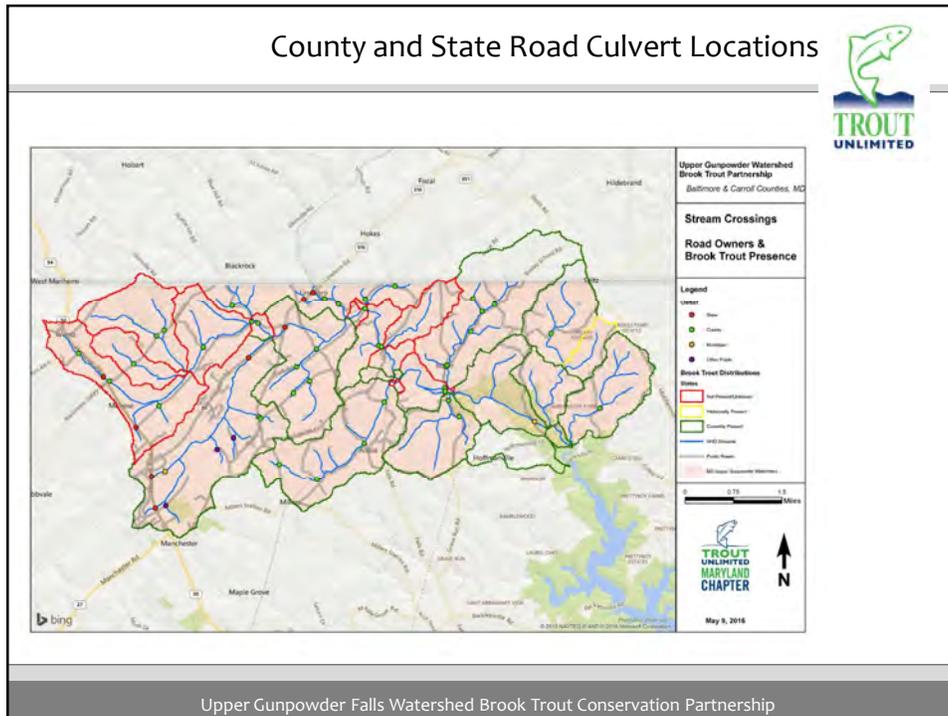
Julie Devers, Kari Bradberry & Chris Reily
USFWS, Maryland Fish and Wildlife
Conservation Office

- Inlet/Outlet dimensions
- Total length
- Inlet/outlet drop
- Substrate/water depth and width
- Crossing Condition
- Bankfull width
- Structures and barriers
- At least 50 descriptors and measurements collected per crossing...

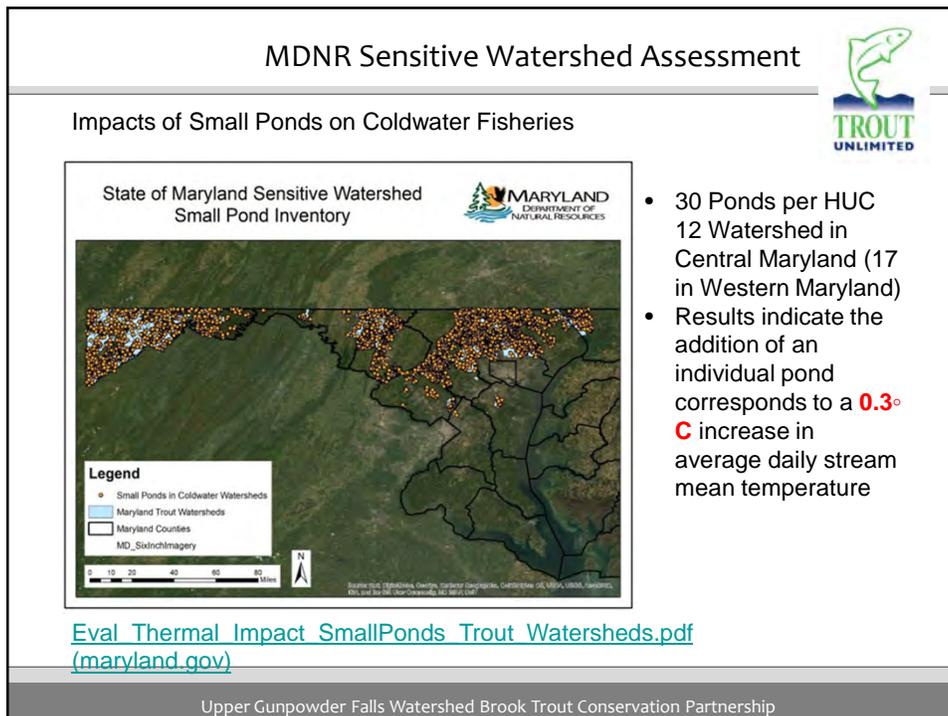


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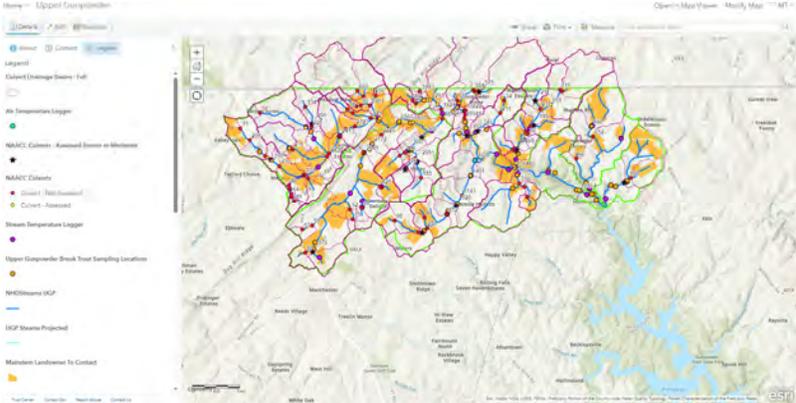
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Web Map For Rapid Analysis





- <https://mtgis.maps.arcgis.com/home/webmap/viewer.html?webmap=d0ea20b4a626421098a6c8c9387bc036>

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We Support Thoughtful Stream Restoration – River Valley Ranch Restoration Project





- 8,022 linear feet of stream restoration
- 9,476 sq.ft. of new wetlands
- 22.2-acres of new stream & floodplain easements
- Minimum of 25-ft protect riparian buffer along the project length
- Addition of stabilized livestock crossings/watering areas
- Stream buffer fencing along all pasture areas
- Significant in-stream habitat features (large woody debris & riffle glides w/ spawning gravels)



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Trout In The Classroom







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Trout In The Classroom – Carroll County



- Bear Branch Nature Center
- Century High School
- Elmer Wolfe Elementary
- Gerstell Academy
- Litton Springs Elementary
- Manchester Elementary
- Manchester Valley HS
- Northwest Middle School
- South Carroll High School
- Winfield Elementary



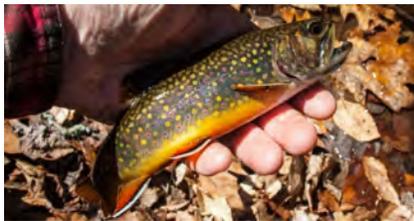
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Next Steps



- Continue to connect with partner organizations or agencies who have overlapping interests.
- Distribute brochure.
- Working with Gunpowder Valley Conservancy (GVC) to ID Tree Planting Sites with Willing Landowners
- Willing to Assist with Aquatic Barrier Removal Projects
- Searching for Small Ponds to Convert
- Identify possible grant sources to support project needs.
- Facebook page for public communication



Upper Gunpowder Falls Watershed Brook Trout Conservation Partnership

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Maryland Chapter Trout Unlimited Brook Trout Conservation Effort



Photo by Matt Kline

January 2024

Thank You!



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MUNICIPAL STORMWATER PROJECT STATUS

January 24, 2024

FUTURE PROJECTS:

Michael's Property (Hampstead) – Project is on hold until Town has obtained approval from property owners to move forward.

Meadow Ridge Basin 2 (Westminster) – Retrofit of existing facility to provide water quality through a surface sand filter. This site is adjacent to the pump station at the edge of the City limits.

Hampstead Valley 2/3 (Hampstead) – Hampstead Valley facilities 2 and 3 will be retrofit as a stream restoration project to decommission Sycamore Drive as a roadway embankment. The design will include a stream restoration beginning immediately downstream of the proposed Hampstead Valley 1 facility and continue to Sycamore Drive.

CONCEPT DESIGN:

Hampstead Valley 1 (Hampstead) – Retrofit of existing detention basin to a surface sand filter. Site is located just south of Lower Beckleysville Road near a production well. CLSI submitted a revised concept plan for review on December 7th, the plan is being reviewed.

Manchester East (Manchester) – CLSI is working on the concept design of a new stormwater facility north of Manchester Valley High School, adjacent to the pump station. We sat down to discuss this project with CLSI recently and anticipate a concept plan being submitted in early February.

New Windsor Wetland (New Windsor) - A new wetland facility is proposed adjacent to the Maryland Midland Railroad tracks and Dickenson Run. The proposed improvements include removing the existing inlet adjacent to the intersection of Water St and Church St, replacing it with a diversion structure that will route the 1-year storm discharges to the proposed wetland facility. We are working through the design with the engineer for a structure to balance the facility on both sides of the sewer main. Comments have been provided to the engineer.

Public Safety Training Center (Westminster Well)- A retrofit for the Public Safety Training Center pond is in progress for the facility design and PFAS remediation. WRA is finalizing the concept

plan for the surface sand filter. Soil borings were completed, and test results were provided by Zach with some general guidance provided by Tetra Tech. We will continue to work with Building Construction to coordinate design efforts for erosion and sediment control.

PRELIMINARY DESIGN:

Hampstead Valley 4 (Hampstead) – A new surface sand filter and stream restoration project is proposed between Century Street and Downhill Trail. Culverts at Downhill Trail require realignment into the HOA parcel for dam breach approval. RFP for geotechnical borings is drafted, and will be going to the County geotechnical term contractors to get these completed. The soil boring RFP is drafted and will be sent out to the County’s term geotechnical contractors. Anticipate geotechnical selection in early February.

Roberts Field Wet Facility (Hampstead) – Retrofit of wet pond to new hybrid wet pond/submerged gravel wetland. The recent concept submittal was approved with comments from the Town and Stormwater Management. Wallace Montgomery & Associates (WMA) is working on the preliminary plans. A revised grading plan was provided this month to be submitted with the grant application to DNR Grants Gateway. We anticipate resubmission of the preliminary plan in late January. Geotechnical proposals are due January 19th, we will review and move forward with awarding.

FINAL DESIGN:

CONSTRUCTION:

PLANNING PROJECTS:

Little Pipe Creek Restoration Opportunities – The County has been working with CWP on this task over the last year. CWP has developed a spreadsheet to prioritize projects and has identified five potential projects. Final documents were received and are being reviewed by County staff.

TREE PLANTING PROJECTS:

All the municipal plantings have completed their maintenance period and are now the responsibility of the municipalities. Please make sure that these areas are being mowed at least three (3) times per season.



WRCC Legislative Update



2024 General Assembly Proposed Water/Environmental Resource Legislation

Status: As of January 24, 2024

Bill + Description	Status + Position
<p>SB 96/HB 24 ENVIRONMENT - IMPACT OF ENVIRONMENTAL PERMITS AND STATE AGENCY ACTIONS Requiring the Department of the Environment to conduct a climate and environmental equity evaluation regarding the impact of issuing an approval for certain environmental permits; requiring the Department to provide opportunities for residents of the State to opt in to text, phone, e-mail, or regular mail notifications regarding any facility with a pending or final permit approval in or adjacent to the resident's census tract; altering certain reporting requirements for certain State agencies; etc.</p> <p>Bills: SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0096F.pdf HB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0096F.pdf</p>	<p>> Status:</p> <ul style="list-style-type: none"> ◆ SB: ◆ HB: Hearing 2/14 (E&T) <p>> Positions:</p> <ul style="list-style-type: none"> ◆ MML: ◆ MACO: ◆ LRM Position: No action.
<p>SB 274/HB 17 CHARTER COUNTIES - COMPREHENSIVE PLANS - AFFIRMATIVELY FURTHERING FAIR HOUSING Altering requirements for the housing element of a charter county's comprehensive plan to include requirements related to affirmatively furthering fair housing; requiring the housing element of a comprehensive plan that is enacted or amended on or after January 1, 2025, to include an assessment of fair housing to ensure that the county is affirmatively furthering fair housing; etc.</p> <p><i>*Bill imposes a local government mandate, which is a directive in a bill requiring a local government unit to perform a task or assume a responsibility that has a discernible fiscal impact on the local government unit.</i></p> <p>Bills: SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0274F.pdf HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0017F.pdf</p>	<p>> Status:</p> <ul style="list-style-type: none"> ◆ SB: Hearing 1/25 ◆ HB: Hearing 2/6 <p>> Positions:</p> <ul style="list-style-type: none"> ◆ MML: ◆ MACO: ◆ LRM Position: No Action

Bill + Description	Status + Position
<p>SB 356/HB 3 LAND USE - EXPEDITED DEVELOPMENT REVIEW PROCESSES FOR AFFORDABLE HOUSING - REQUIREMENTS Requiring local jurisdictions to establish and implement an expedited development review process for certain proposed affordable housing developments; applying the process to a charitable organization seeking to develop affordable housing on its own land and a public housing authority proposing to develop affordable housing on land owned by a charity or a government entity; and establishing a good-faith waiver for local jurisdictions that cannot implement an expedited development review process. <i>*Bill imposes a local government mandate, which is a directive in a bill requiring a local government unit to perform a task or assume a responsibility that has a discernible fiscal impact on the local government unit.</i> Bills: SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0356F.pdf HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0003F.pdf</p>	<p>> Status: ♦ SB: Hearing 2/1 ♦ HB: Hearing 1/30 > Positions: ♦ MML: ♦ MACO: ♦ LRM Position: No Action</p>
<p>SB 484/HB 538 LAND USE – AFFORDABLE HOUSING – ZONING DENSITY AND PERMITTING (HOUSING EXPANSION AND AFFORDABILITY ACT OF 2024) Prohibiting a local legislative body from prohibiting the placement of a certain manufactured home in certain residential zoning districts under certain circumstances; prohibiting a local jurisdiction from using an element of an adequate public facilities law to deny certain permits for certain State–funded affordable housing projects or other qualified projects or to restrict or limit the development of the projects in a certain manner; etc. Bills: • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0484F.pdf • HB: Not Yet Available</p>	<p>> Status: ♦ SB: ♦ HB: > Positions: ♦ MML: ♦ MACO: ♦ LRM Position: TBD</p>
<p>HB 516 CLIMATE CRISIS AND ENVIRONMENTAL JUSTICE ACT OF 2024 Description: Establishing the Climate Crisis Initiative in the Department of the Environment to provide for the assessment of greenhouse gas pollution fees, the provision of certain benefits to households and employers, and the funding of certain climate–related activities; providing for the collection and use of certain greenhouse gas pollution fees; establishing the Household and Employer Benefit Fund and the Climate Crisis Infrastructure Fund as special, nonlapsing funds; etc. Bill: Not Yet Available</p>	<p>> Status: ♦ SB: ♦ HB: > Positions: ♦ MML: ♦ MACO: ♦ LRM Position: tBD</p>

Carroll County Water Resource Coordination Council

Hampstead * Manchester * Mt. Airy * New Windsor
Carroll County Health Department



* Sykesville * Taneytown * Union Bridge * Westminster
Carroll County Government

WRCC Meeting Summary

February 28, 2024

Attendees:

Municipalities:

- Kevin Hann, Chair, Hampstead
- Jim Wieprecht, Vice Chair, Taneytown
- John Dick, Westminster
- Gary Dye, New Windsor
- Delbert Green, Manchester
- Mayor Perry Jones, Union Bridge
- Rodney Kuhns, Manchester
- Alex Perricone, Manchester
- Kevin Rubenstein, Sykesville
- Kevin Smeak, Taneytown
- Dick Swanson, Mount Airy

CC PLM:

- Daphne Daly
- Brenda Dinne
- Glenn Edwards
- Chris Heyn, Director
- Claire Hirt
- Byron Madigan
- Kelly Martin
- Mitch Masser
- Denise Mathias
- Zach Neal
- Janet O'Meara
- Pat Varga
- Hannah Weber

Health Department:

- Richard Brace

CCG Others:

- Andy Watcher, CC DPW
- Bryan Bokey, CC DPW
- Lydia Rogers, CC M&B

Guest Speakers:

-

1. Opening Statement

Chair – Kevin Hann

Mr. Hann opened the meeting at 2:30 PM.

Vice Chair – Jim Wieprecht

Mr. Wieprecht expressed concern that, outside the WRCC, there is less desire to work cooperatively with the municipalities.

2. Approval of Meeting Summary – January 24, 2024

Approval of the January meeting summary was discussed. No changes were made.

APPROVAL OF MINUTES: Motion was made by Jim Wieprecht and seconded by Alex Perricone to approve the January 24, 2024, meeting summary. Motion carried.

3. Stream Temperature Evaluation Data – Byron Madigan

- Mr. Madigan walked the WRCC members through an overview of the structures evaluated for their impact on stream temperature.
- Mr. Madigan gave this presentation at the Maryland Water Monitoring Council conference in November. MDE is aware that PLM staff are working on this.
- Streams with a Use III Designation are considered cool/cold water streams and have associated temperature requirements to maintain. The maximum temperature outside the

mixing zone may not exceed 68°F or the ambient temperature of the surface waters, whichever is greater. (COMAR 26.08.03.03-.05)

- Sand filter stormwater management facilities are being evaluated for their impact on stream temperatures. It takes 10 to 12 years for the project to mature and see the ultimate benefits. The data is showing decreased temperatures, but the temperatures are not as low yet as MDE wants them to be.

Reference/Attachment:

- *PowerPoint: Thermal Evaluation of Upland Stormwater BMPs*

4. Water Resources Element (WRE 2024) Update – Brenda Dinne

- Task 1.2: Automation of Portions of Buildable Land Inventory Model: Task completed.
- Task 2: Groundwater Allocability: Task completed.
- Task 3: Emerging Contaminants: Task completed.
- Task 4: MDE TIPP Spreadsheet Comparison: Hazen is working on corrections to the TIPP spreadsheets.
- Task 5: Climate Change Impacts: Task completed.
- Task 6: Update 2010 WRE Supporting Documents: Hazen is working on revisions based on staff comments on the draft documents.

Reference/Attachment:

- N/A

5. Municipal Stormwater Projects Update – Janet O’Meara

- Ms. O’Meara provided an update on the municipal stormwater restoration projects.

Reference/Attachment:

- *Municipal Project Status, February 2024*

6. PFAS Discussion

- Mr. Hann shared that EPA recently released that \$18.9 Million in Bipartisan Infrastructure Law funding to address emerging contaminants like PFAS in drinking water will be available to Maryland.
- The PFAS MCL is anticipated to be finalized by EPA at the end of March 2024.
- Mr. Hann and Mr. Swanson indicated that, despite public outreach, they have not received much feedback from the public on PFAS in the drinking water. Mr. Hann requested a copy be sent to the municipalities of the letter the Town of Mount Airy recently sent out regarding PFAS.

Reference/Attachment:

- N/A

7. Other

- March WRCC Meeting: The next meeting will be held on March 27, 2024. Par Varga will be the guest speaker on the topic of the National Flood Insurance Program (NFIP) and the Community Rating System (CRS). This presentation was rescheduled from December.
- MDE Proposed Stormwater Regulations: As part of MDE’s A-StoRM effort, MDE is updating the State stormwater regulations. A Stakeholder Consulting Group was formed by MDE to help guide and provide feedback on this process. Mr. Heyn is a member of this group. In early February, MDE sent the Group a draft of the proposed regulations. Planning & Land Management (PLM) staff are reviewing the changes. A comment letter will be drafted. The draft comments will be shared with the municipalities for feedback prior to sending. Comments are due to MDE by May 7, 2024.

- Hydrologic Conditions Update: Mr. Neal recently sent out an update on current hydrologic conditions for Carroll County. WRCC members indicated they would like to continue to receive these updates on a monthly basis.
- MDE Stormwater Tour: Ms. Dinne shared that the tour with Marland Department of the Environment (MDE) is scheduled for Monday, May 13. The municipalities are invited to participate. Ms. O'Meara's staff will be working on handouts and speakers for each facility.
- Legislative Update: Ms. Dinne reviewed proposed bills related to water resources or environment in which the municipalities may be interested. She provided a table listing the bills, a link to the bill on the Maryland General Assembly website, and current status. The table was updated to include additional bills introduced since the last WRCC meeting.
- New NPDES Environmental Compliance Specialist: Ms. Hirt introduced Mitch Masser. Mr. Masser will join in the upcoming meetings with each municipality to get to know the municipal staff, the towns/cities, and their systems.
- Good Housekeeping Plans (GHP): Resource Management staff will begin to address new permit requirements related to these plans to ensure adequate progress is being made to submit these items in the third year of the permit. Last year, staff started developing an inventory to identify properties that would need to develop a GHP. Any municipalities that have not yet sent the information can mark up the map, scan it, and send it to Mr. Edwards or Mr. Masser.
- Salt Management Plans (SMP): The permit also requires SMPs to be developed. Steve Miller developed a template for these plans to be available to the other municipalities. Any municipality that has an SMP already can email it to Mr. Edwards or Mr. Masser. Staff will be available to the others to help walk them through the template.
- Storm Drain Maps: Storm drain maps were available for several of the municipalities to take with them. Additional copies can be printed if requested. Ms. Hirt asked the municipalities to check over their maps to ensure nothing was missed.
- Spring Outreach Events: Planning for events is underway. Materials are available to the municipalities, or a Resource Management booth can be requested. Ms. Hirt asked for dates to be provided soon to ensure they get scheduled on staffs' calendars.
- New Water Resource Technician: Garrett Tucker joined the Water Resources staff as the Water Resource Technician. He may join in on the individual meetings with the municipalities.
- Lead & Copper Rule: MDE has not yet provided a final spreadsheet tool to use for the inventory. Inventories are due in October 2024.

Reference/Attachment:

- *WRCC Legislative Update: 2024 General Assembly Proposed Water/Environmental Resource Legislation, February 28, 2024*

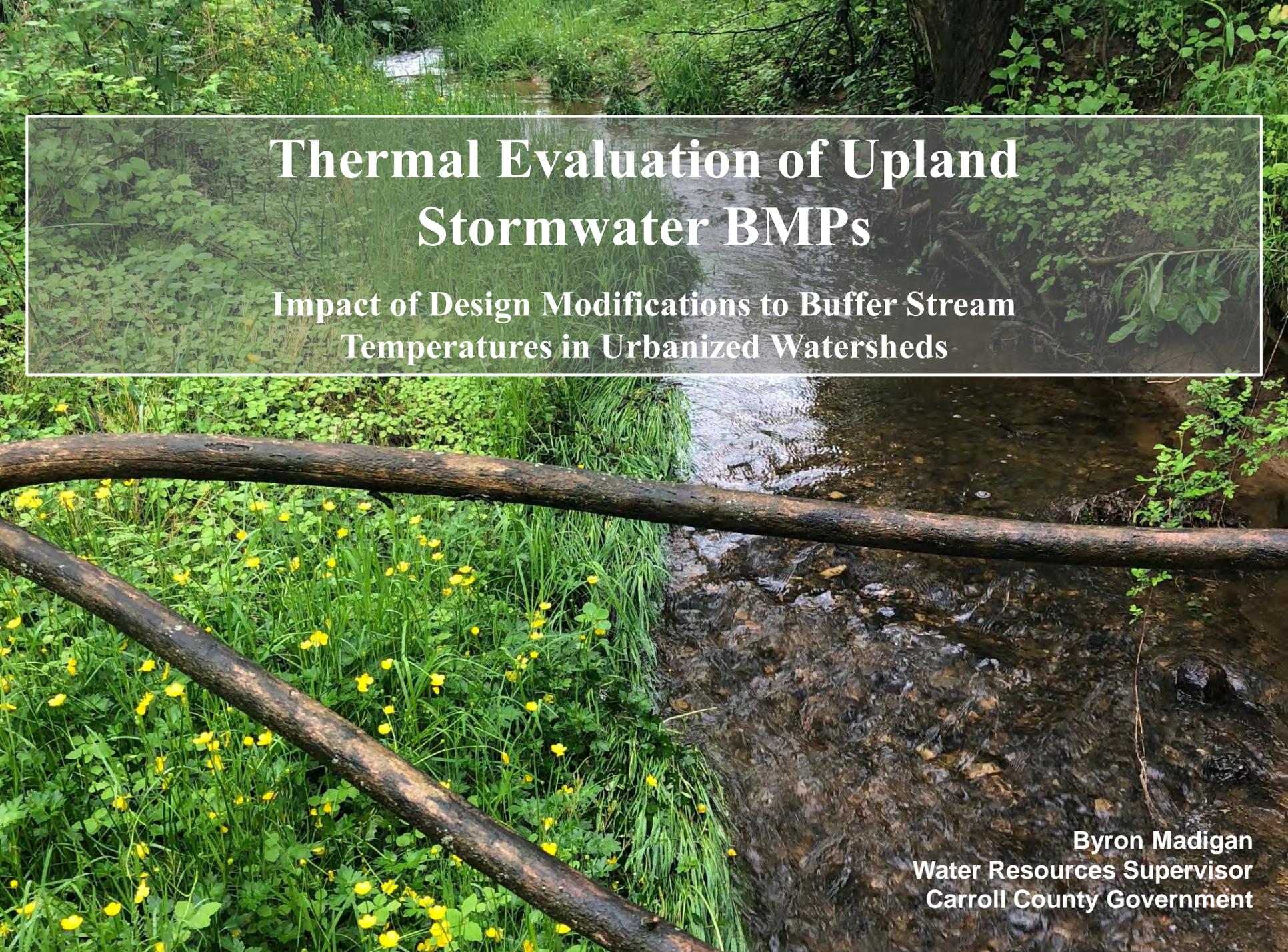
8. Adjournment

The meeting adjourned at 4:11 PM.

MEETING ADJOURNMENT: Motion was made by Dick Swanson and seconded by Alex Perricone to adjourn the February 28, 2024, meeting. Motion carried.

Upcoming Meetings:

- ☐ *Regular Monthly Meeting – Wednesday, March 27, 2024*

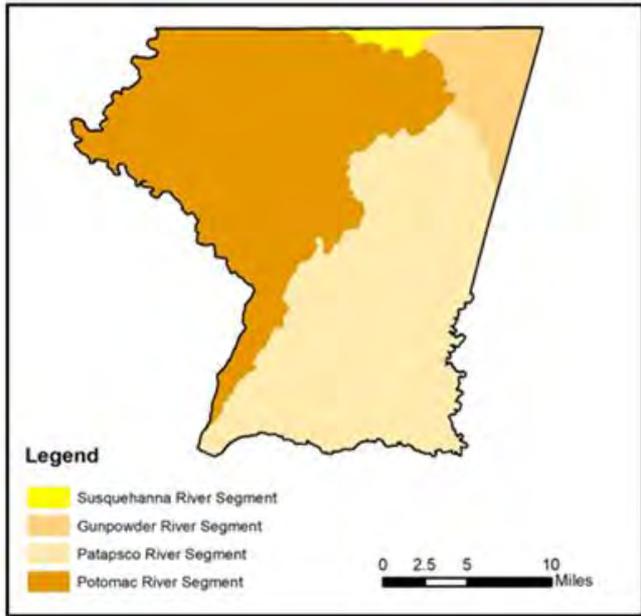
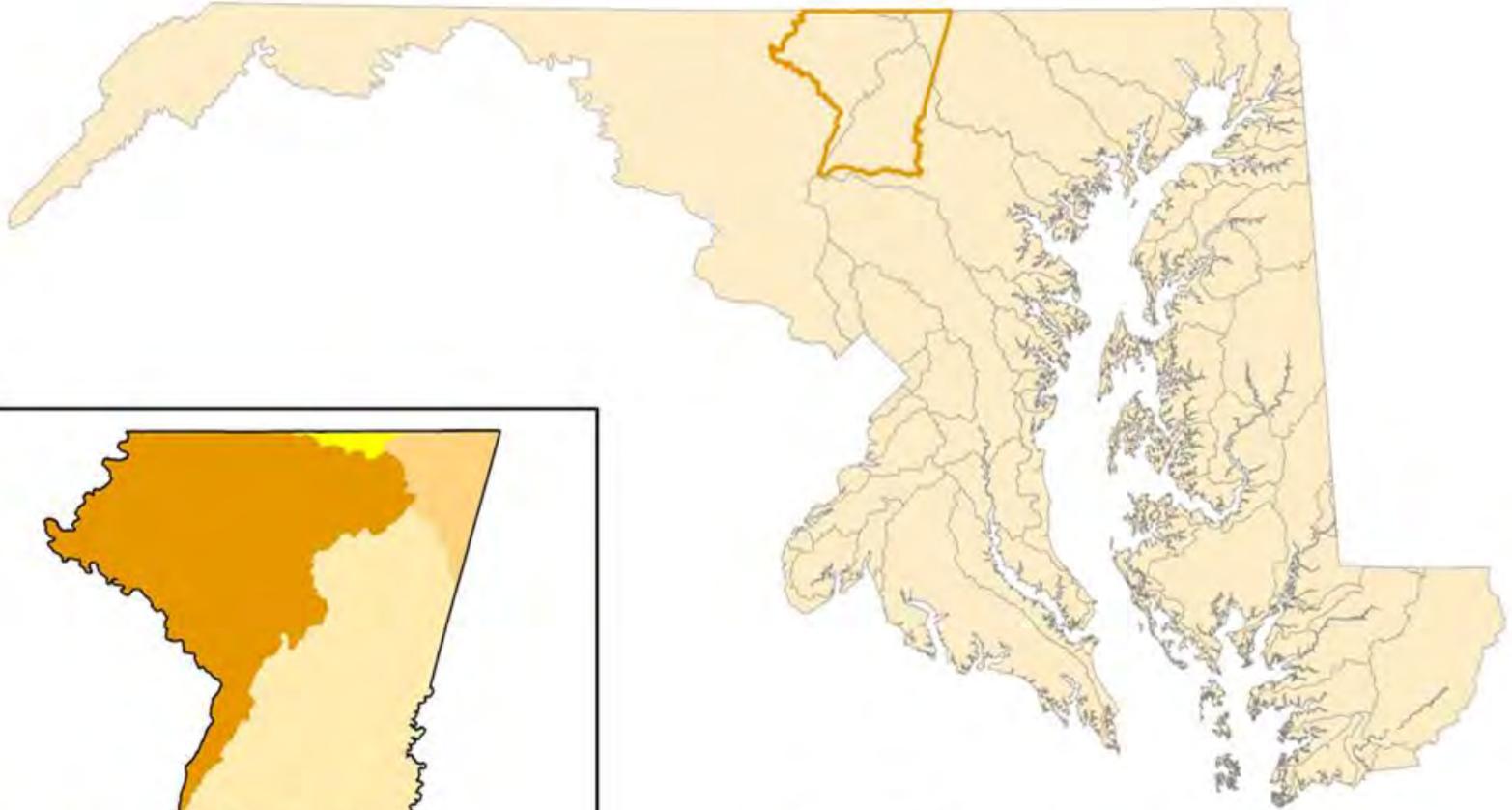
A photograph of a stream flowing through a lush green forest. In the foreground, two large, dark, fallen logs lie across the stream, partially blocking the water. The water is clear and flows over rocks, creating small rapids. The banks are covered in dense green vegetation, including grasses and small yellow flowers. The background shows more trees and foliage, creating a sense of a natural, wooded environment.

Thermal Evaluation of Upland Stormwater BMPs

Impact of Design Modifications to Buffer Stream
Temperatures in Urbanized Watersheds

Byron Madigan
Water Resources Supervisor
Carroll County Government

Carroll County Chesapeake Bay River Segments



Legend

- Susquehanna River Segment
- Gunpowder River Segment
- Patapsco River Segment
- Potomac River Segment

0 2.5 5 10 Miles

Legend

- Carroll County Border
- Chesapeake Bay River Segments

0 20 40 80 Miles



Cool and Cold-Water Resources

"Current" Use Class Designations



Patapsco Brown Trout

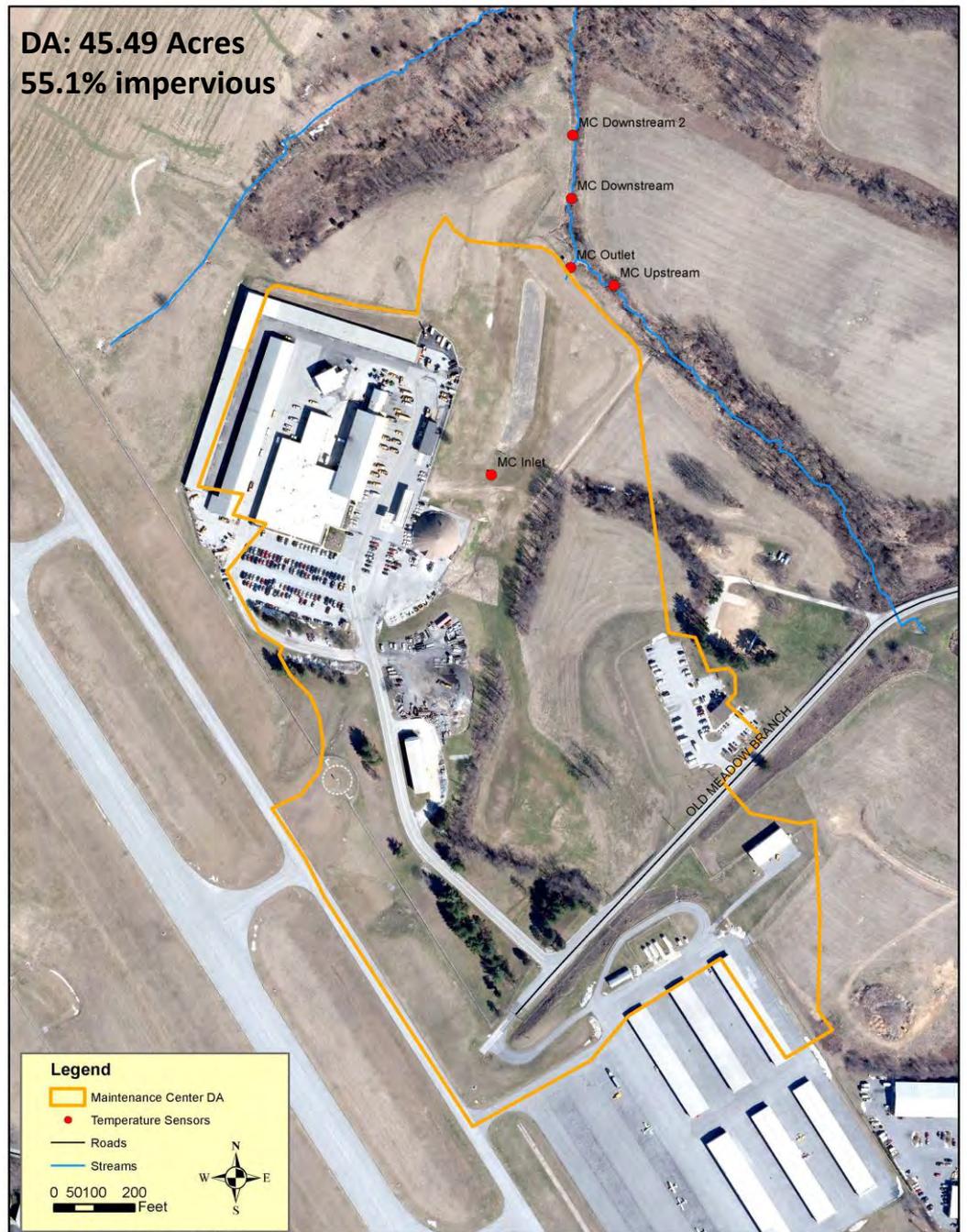
Prettyboy Brook Trout



Sand Filter



DA: 45.49 Acres
55.1% impervious

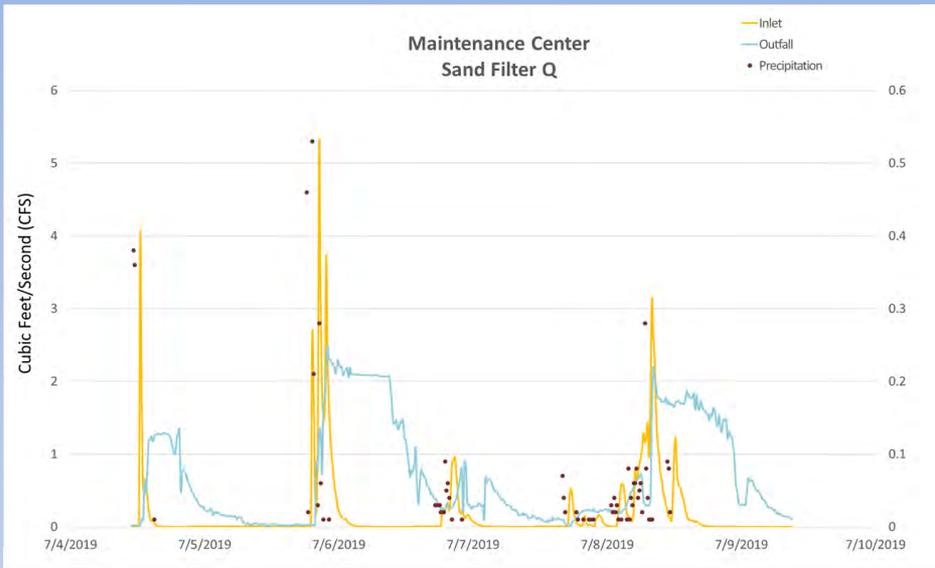


Sand Filter

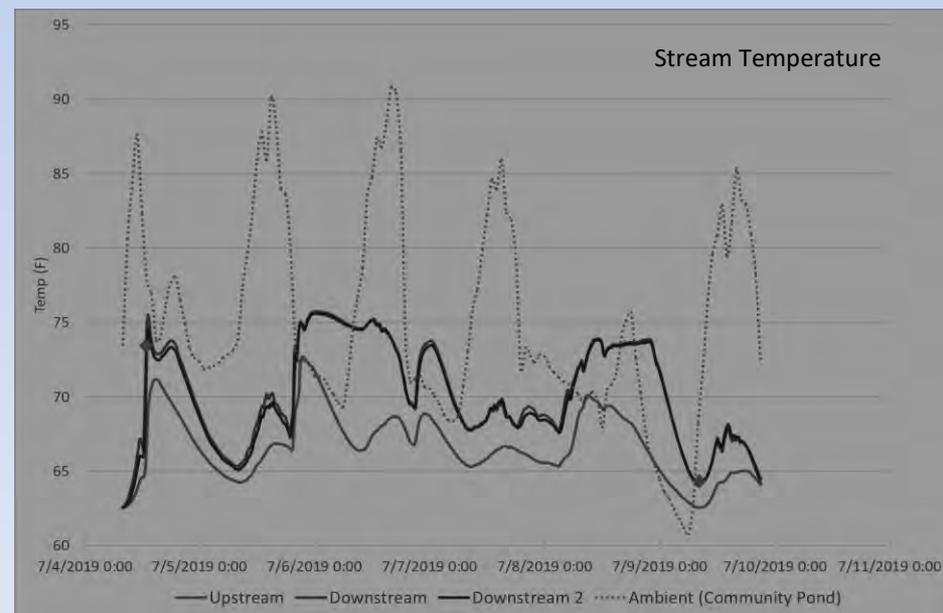
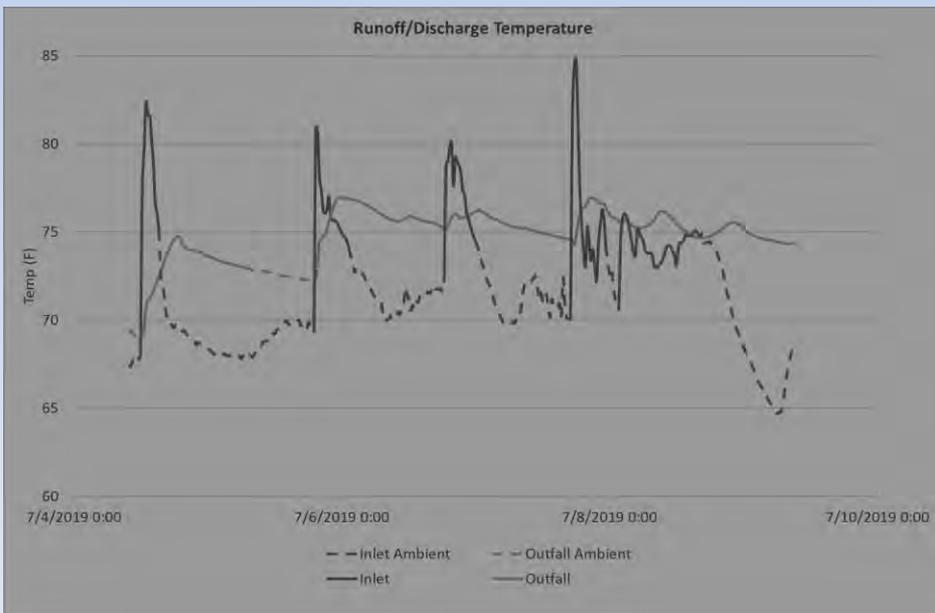
Storm Events

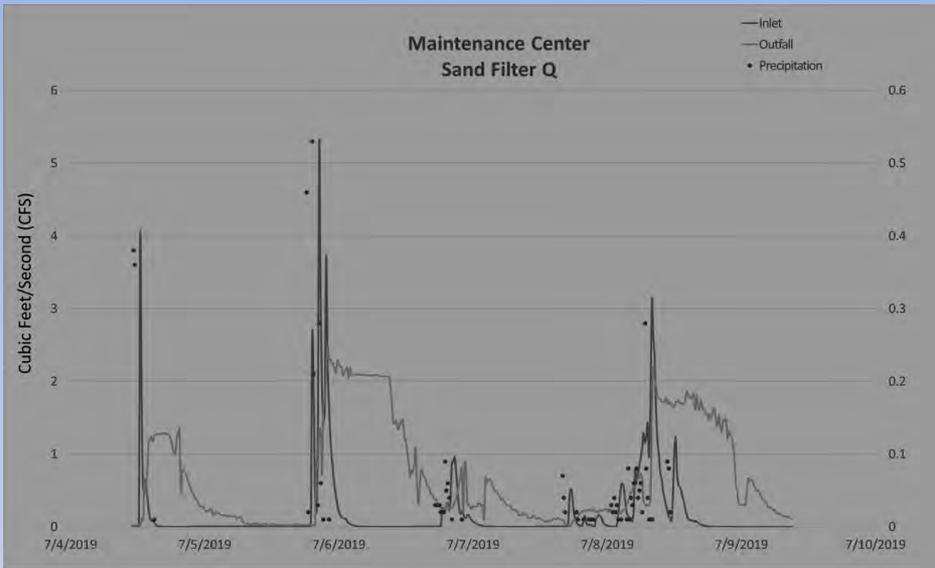


Date	Precipitation	Notes
2019 Storms		
7/2/2019	0.67"	
7/4/2019 - 7/8/2019	4.3"	Temp Trends Analyzed
7/11/2019	0.54"	
7/17/2019 - 7/18/2019	1.05"	
7/22/2019 - 7/23/2019	2.08"	Temp Trends Analyzed
2020 Storms		
7/6/2020	1.13"	Temp Trends Analyzed
7/22/2020	0.55"	
8/3/2020 - 8/4/2020	2.22"	Temp Trends Analyzed
9/2/2020 - 9/3/2020	1.15"	
2021 Storms		
6/30/2021-7/1/2021	0.82"	
7/12/2021	0.58"	
7/17/2021	0.62"	
7/29/2021	0.67"	
8/11/2021	1.35"	
8/16/2021 - 8/18/21	2.83"	
9/1/2021	3.46"	
2022 Storms		
7/6/2022-7/7/2022	1.68"	Inlet Sensor damaged
7/12/2022	1.31"	
7/16/2022	0.56"	
7/31/2022	0.74"	
8/9/2022	1.42"	
8/15/2022	1.41"	
2023 Storms		
7/3/2023	0.36"	Dry Channel
7/15/2023	0.52"	
7/21/2023	0.99"	
7/28/2023	0.48"	
8/6/2023-8/7/2023	1.57"	

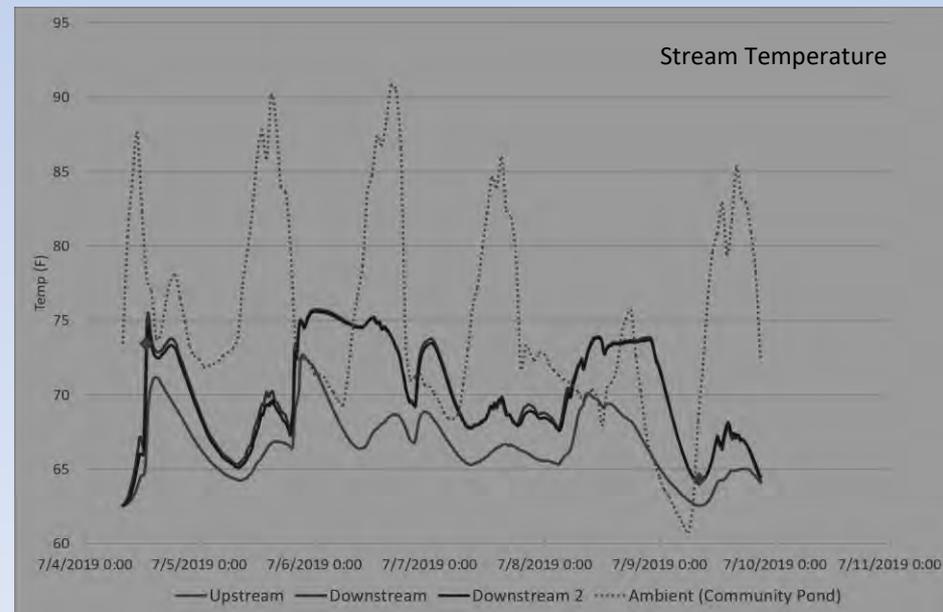
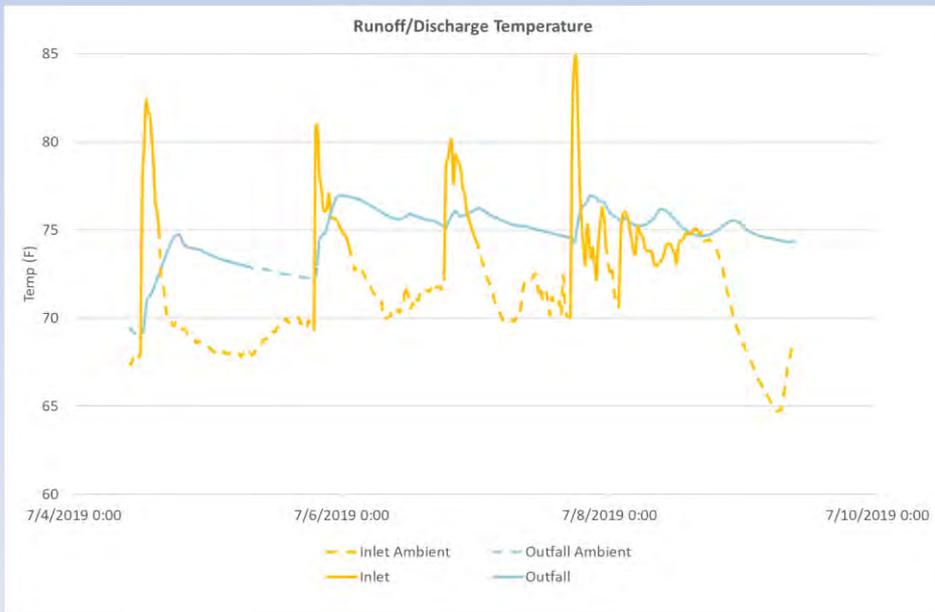


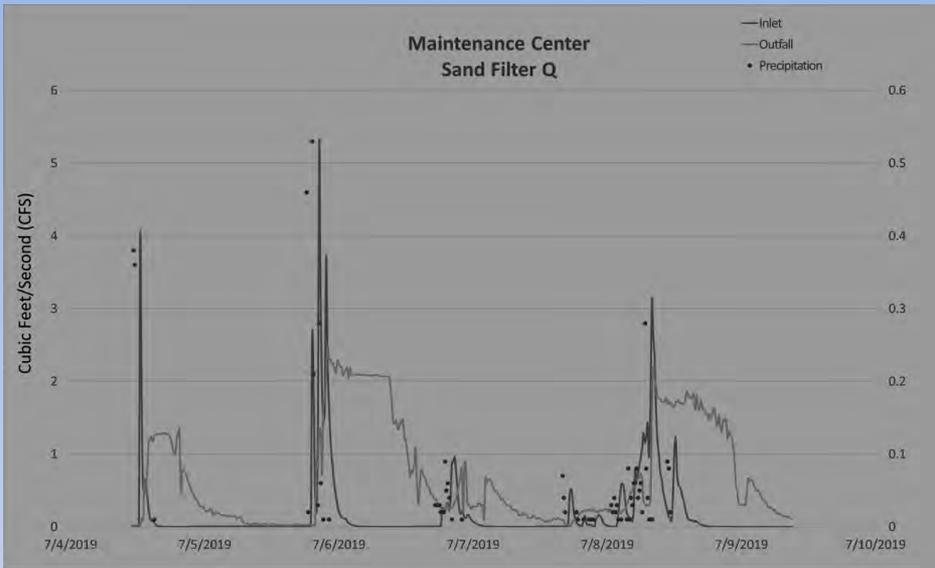
July 4 – July 8, 2019 4.30" Precipitation		
Location	Peak Temp (F)	Avg. Temp (F)
Inlet	84.86	75.96
Outfall	76.99	75.14
Upstream	72.74	67.09
Downstream	75.72	70.92
Downstream 2	75.59	70.73



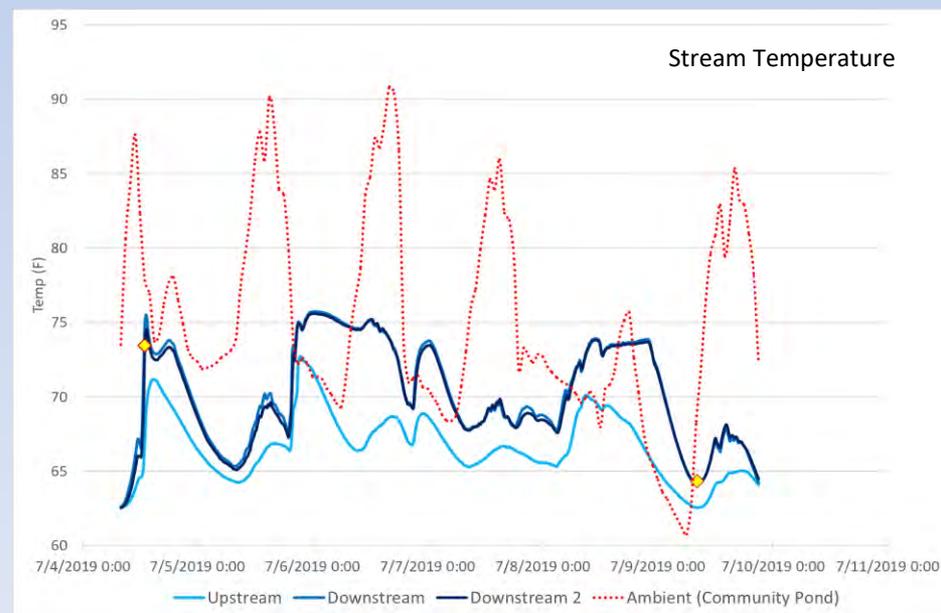
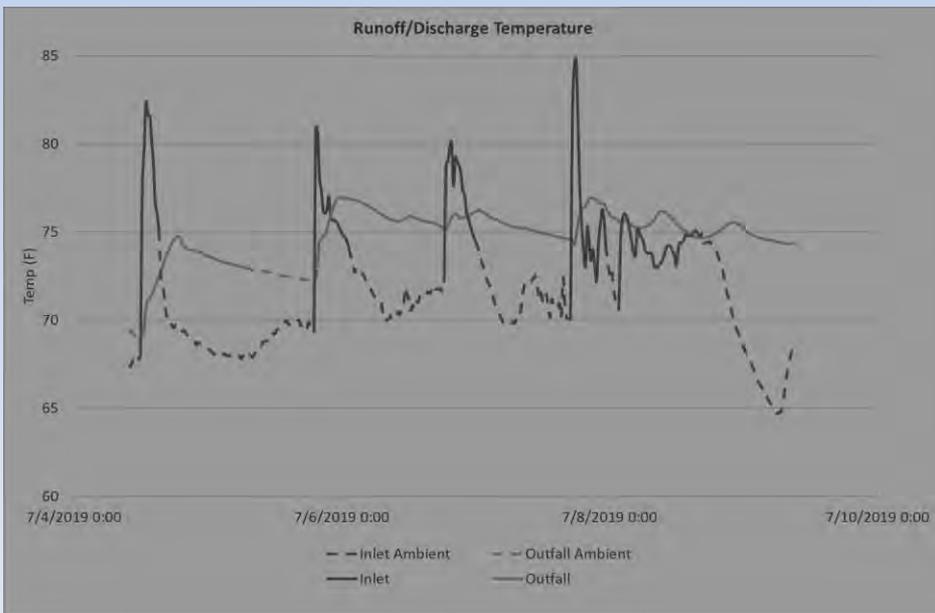


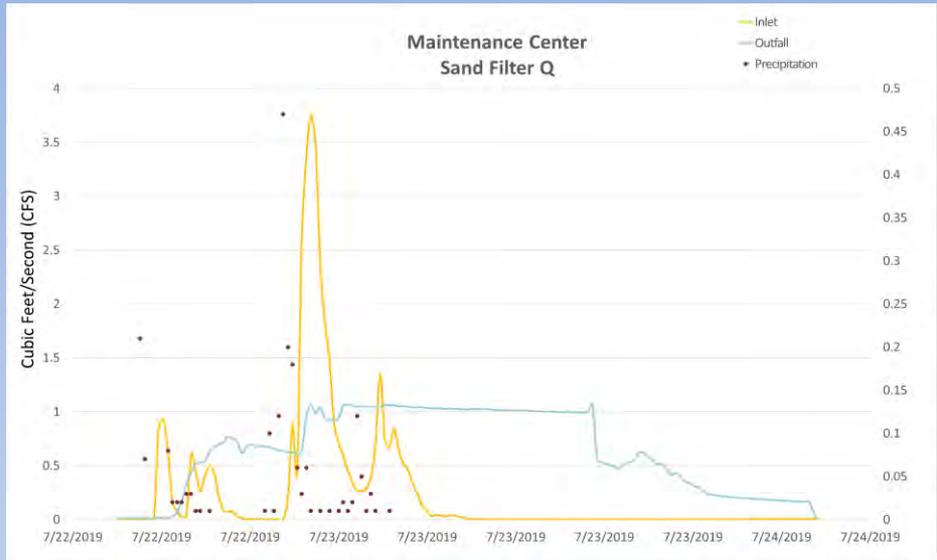
July 4 – July 8, 2019 4.30" Precipitation		
Location	Peak Temp (F)	Avg. Temp (F)
Inlet	84.86	75.96
Outfall	76.99	75.14
Upstream	72.74	67.09
Downstream	75.72	70.92
Downstream 2	75.59	70.73





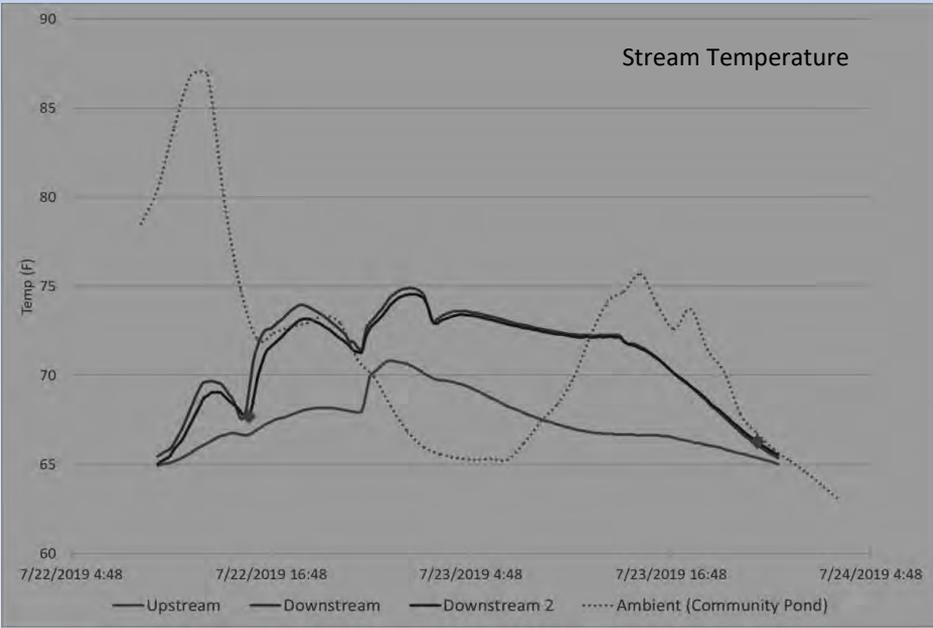
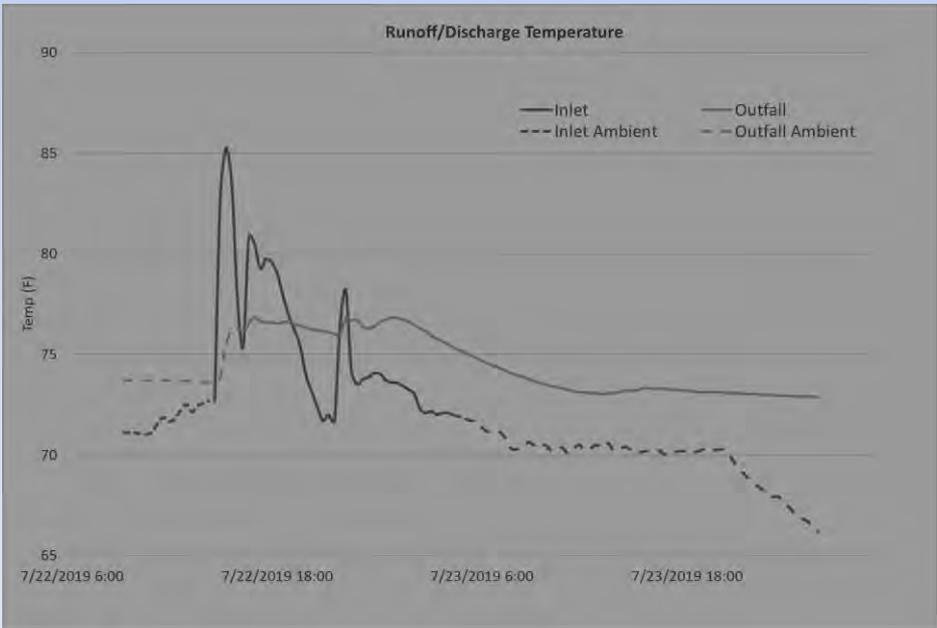
July 4 – July 8, 2019 4.30" Precipitation		
Location	Peak Temp (F)	Avg. Temp (F)
Inlet	84.86	75.96
Outfall	76.99	75.14
Upstream	72.74	67.09
Downstream	75.72	70.92
Downstream 2	75.59	70.73

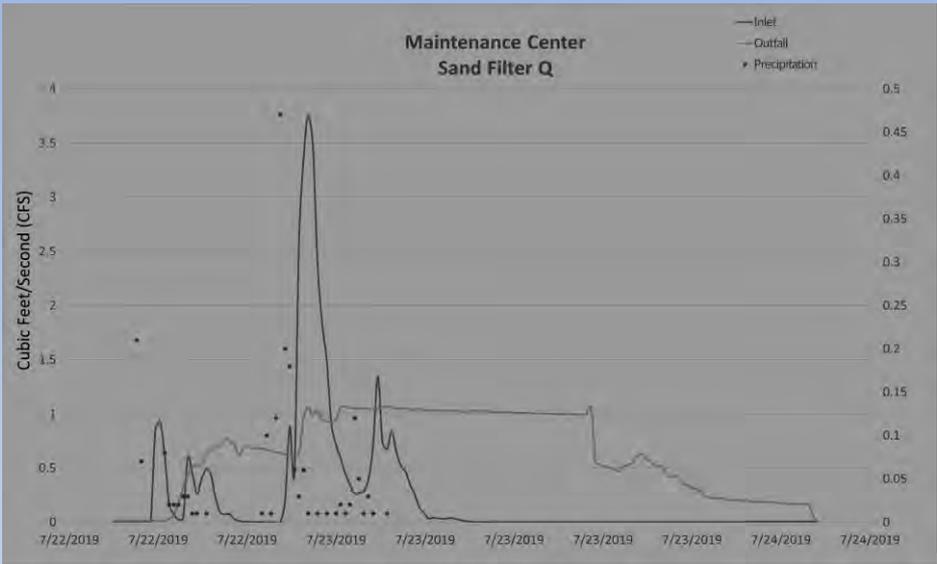




July 22 – July 23, 2019 2.08" Precipitation

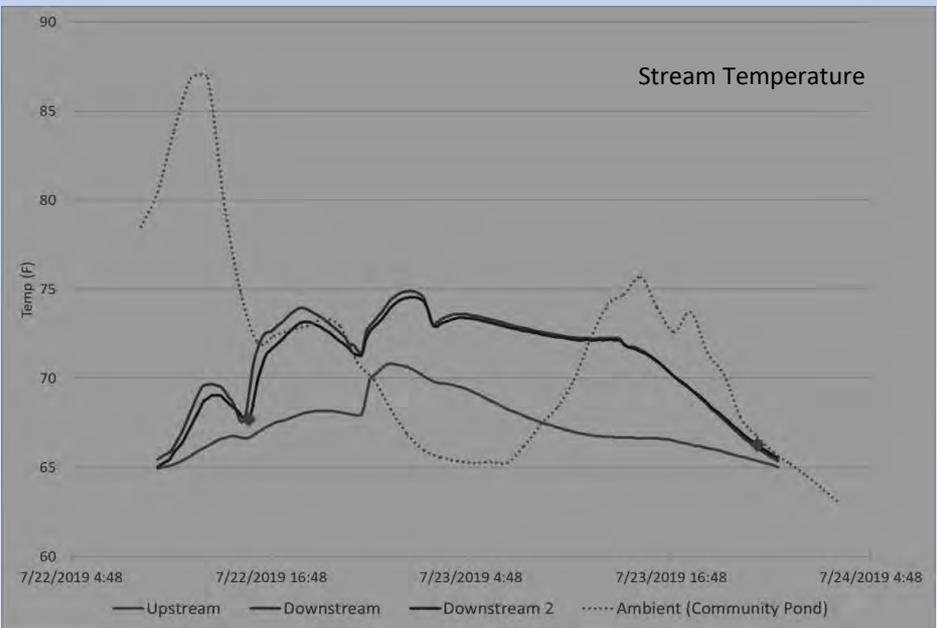
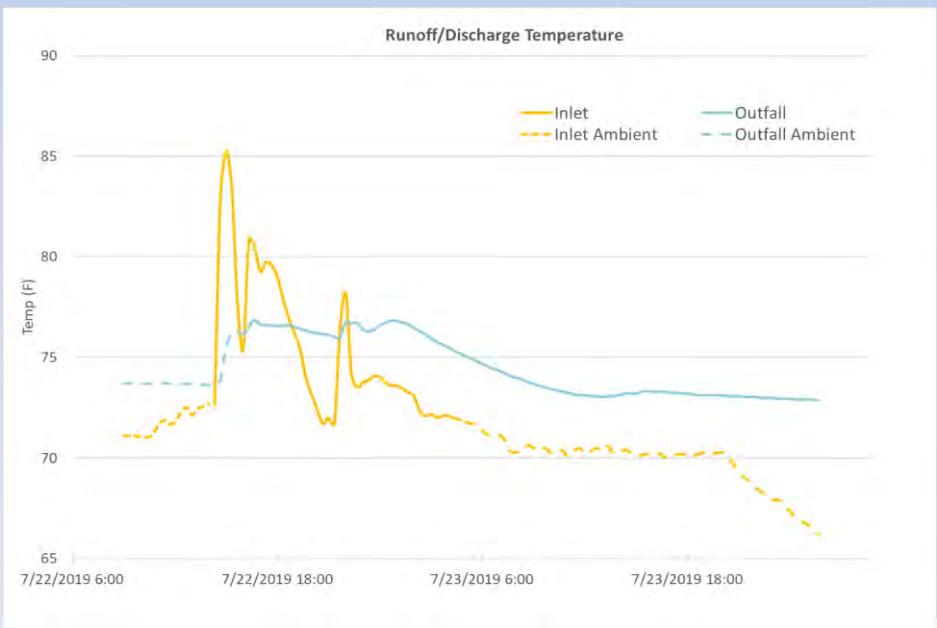
Location	Peak Temp (F)	Avg. Temp (F)
Inlet	85.26	76.55
Outfall	76.85	74.49
Upstream	70.85	67.34
Downstream	74.89	70.88
Downstream 2	74.55	70.68

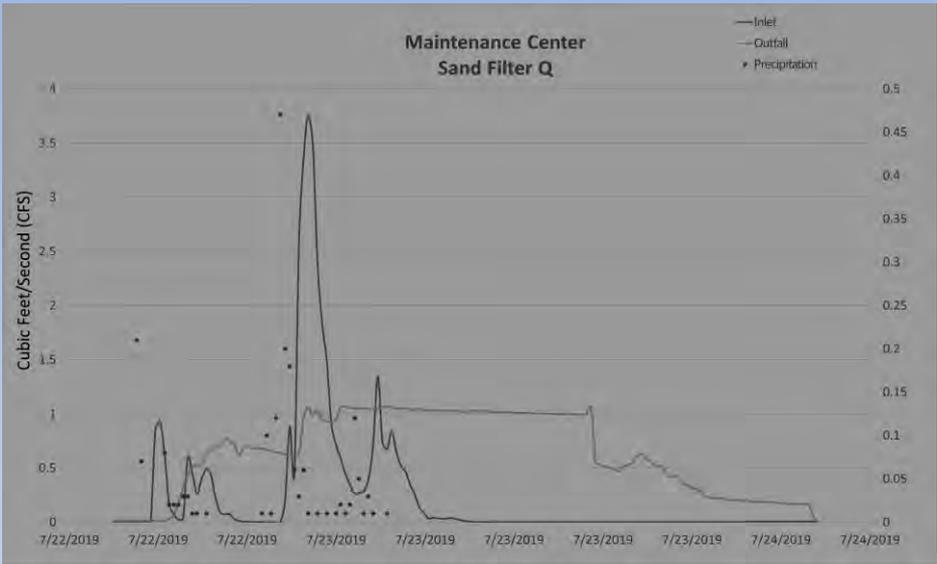




**July 22 – July 23, 2019
2.08" Precipitation**

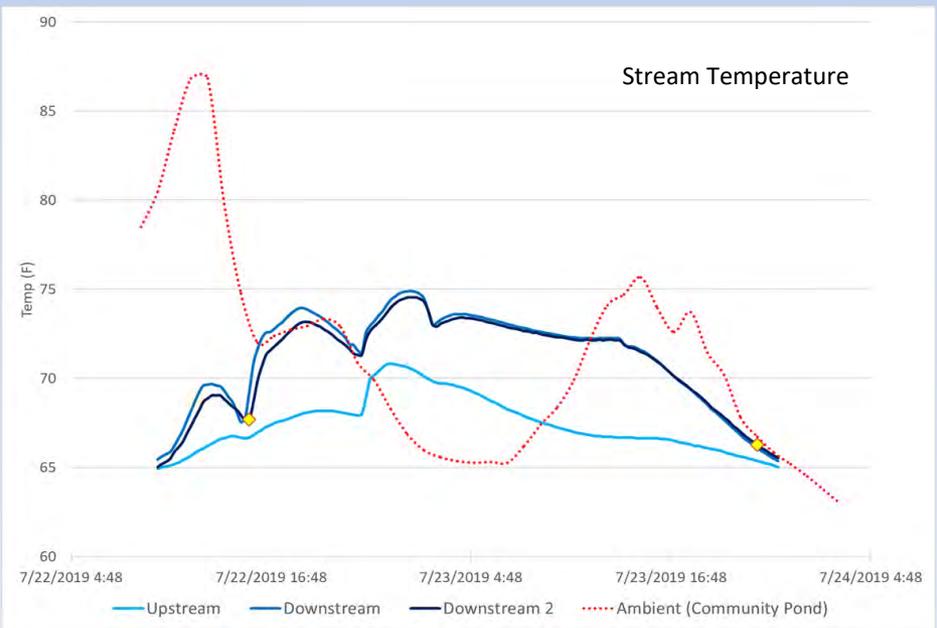
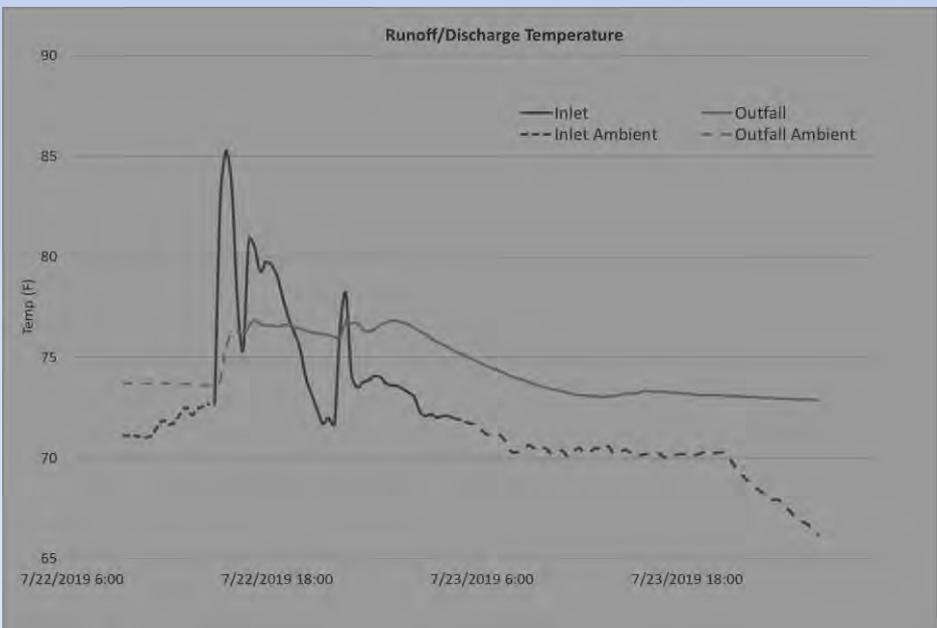
Location	Peak Temp (F)	Avg. Temp (F)
Inlet	85.26	76.55
Outfall	76.85	74.49
Upstream	70.85	67.34
Downstream	74.89	70.88
Downstream 2	74.55	70.68

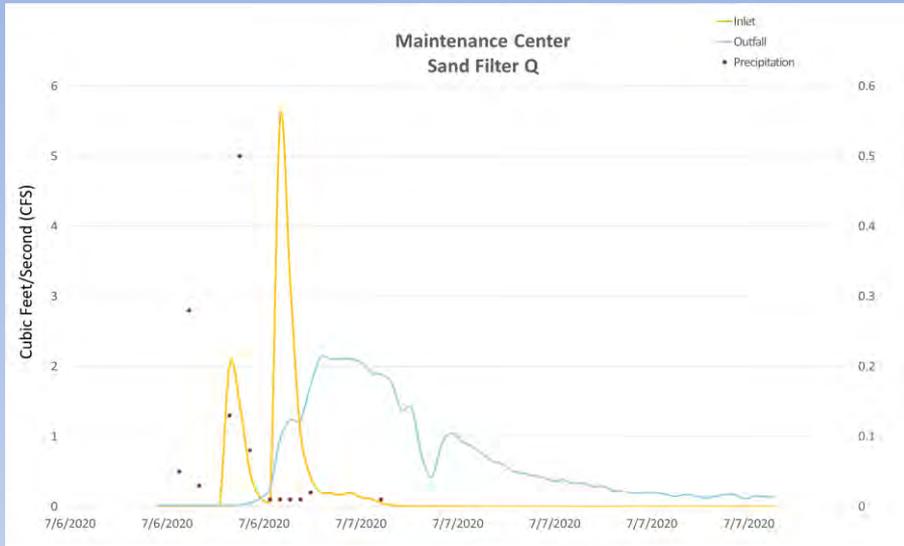




**July 22 – July 23, 2019
2.08" Precipitation**

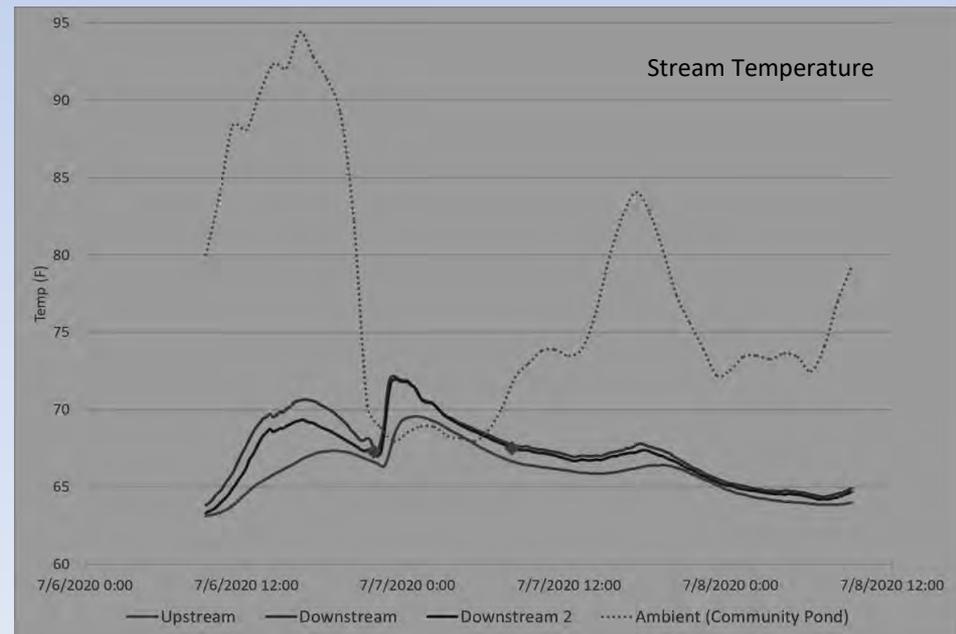
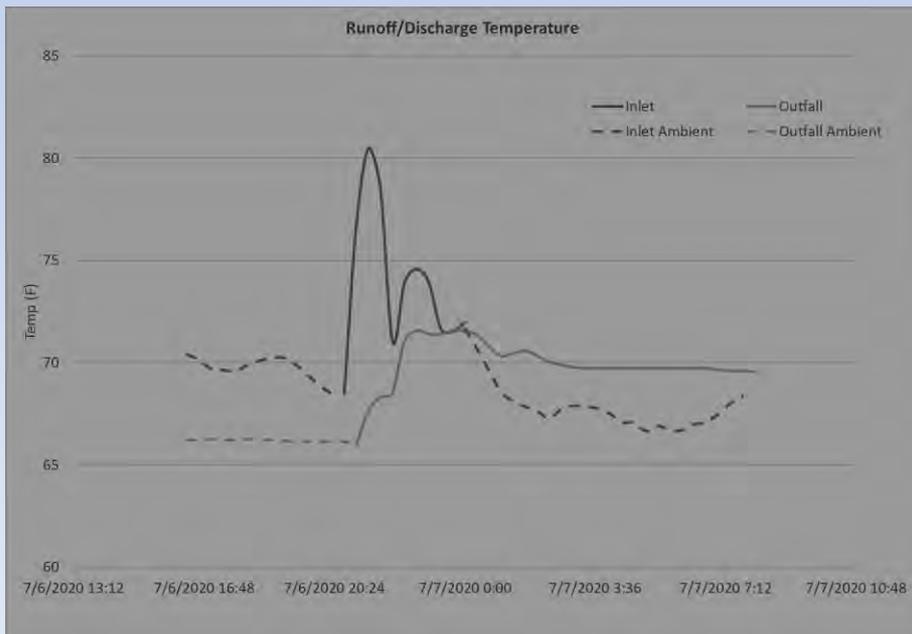
Location	Peak Temp (F)	Avg. Temp (F)
Inlet	85.26	76.55
Outfall	76.85	74.49
Upstream	70.85	67.34
Downstream	74.89	70.88
Downstream 2	74.55	70.68

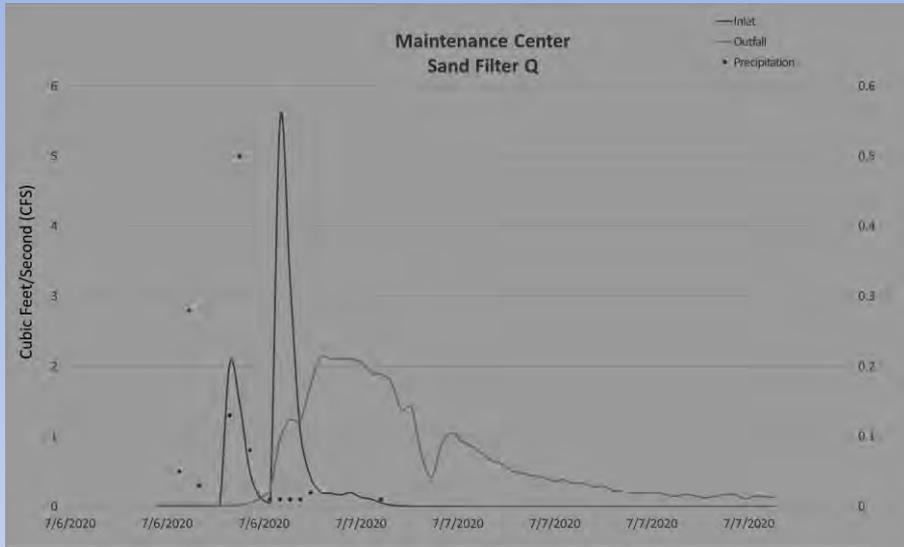




July 6, 2020 1.13" Precipitation

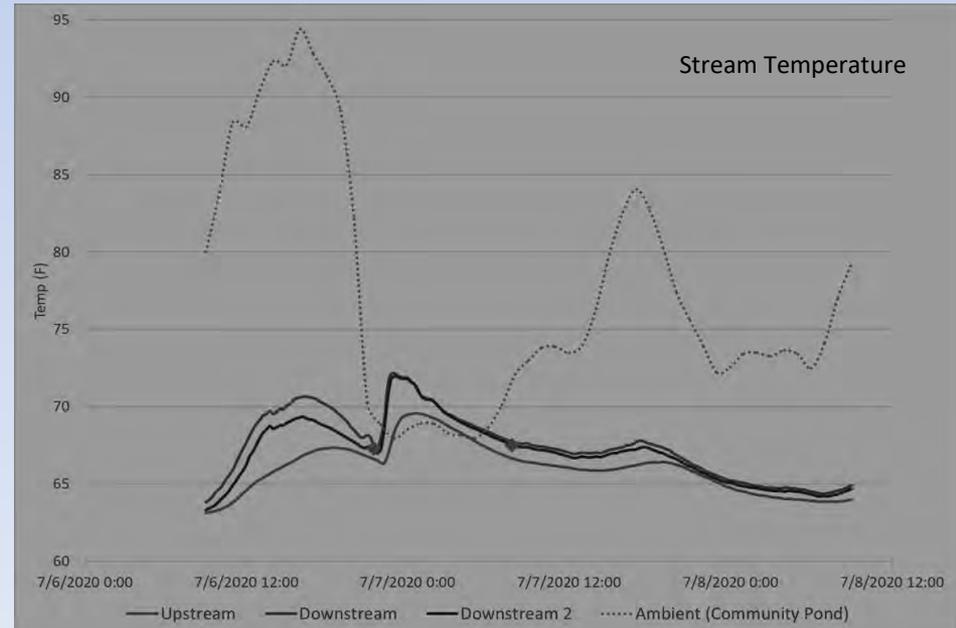
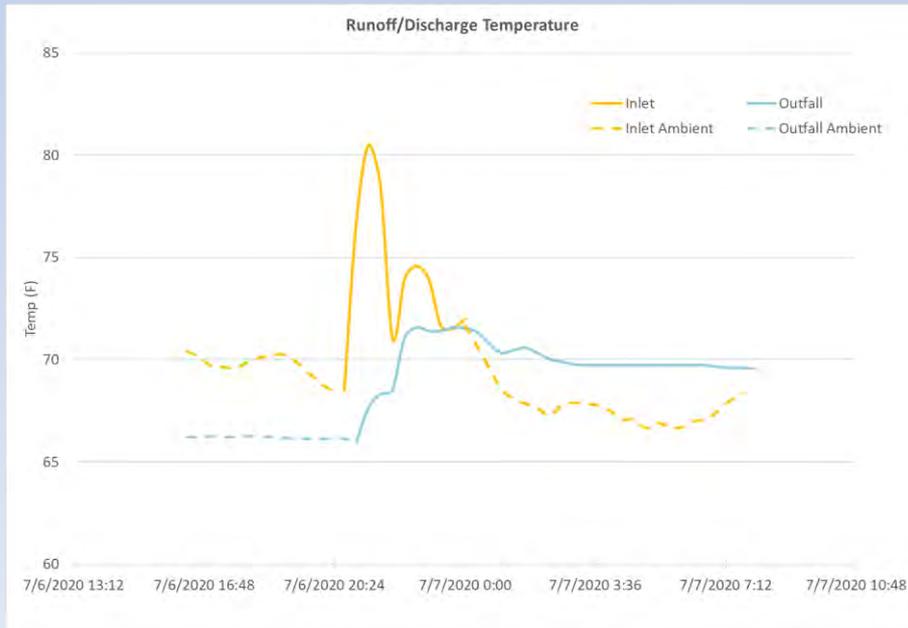
Location	Peak Temp (F)	Avg. Temp (F)
Inlet	80.49	74.36
Outfall	71.58	70.06
Upstream	69.56	67.96
Downstream	72.14	69.41
Downstream 2	71.96	69.22

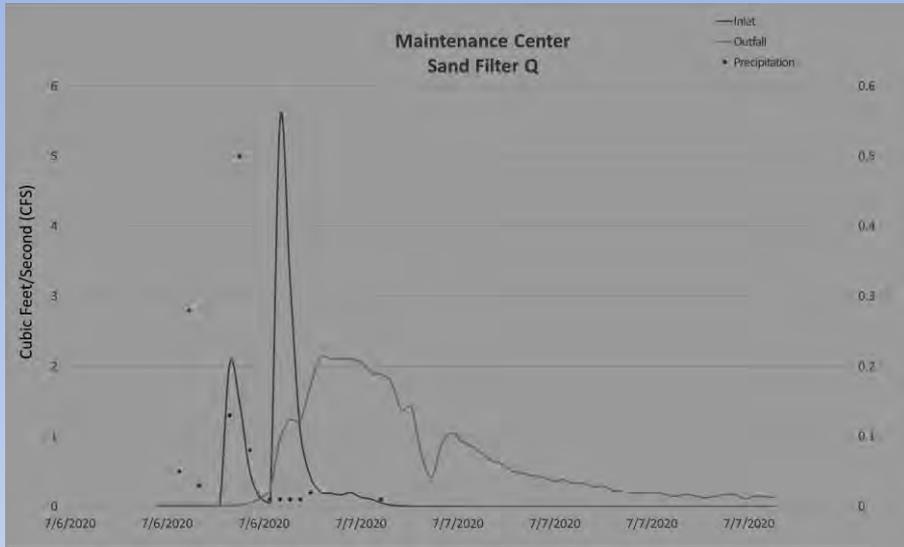




July 6, 2020 1.13" Precipitation

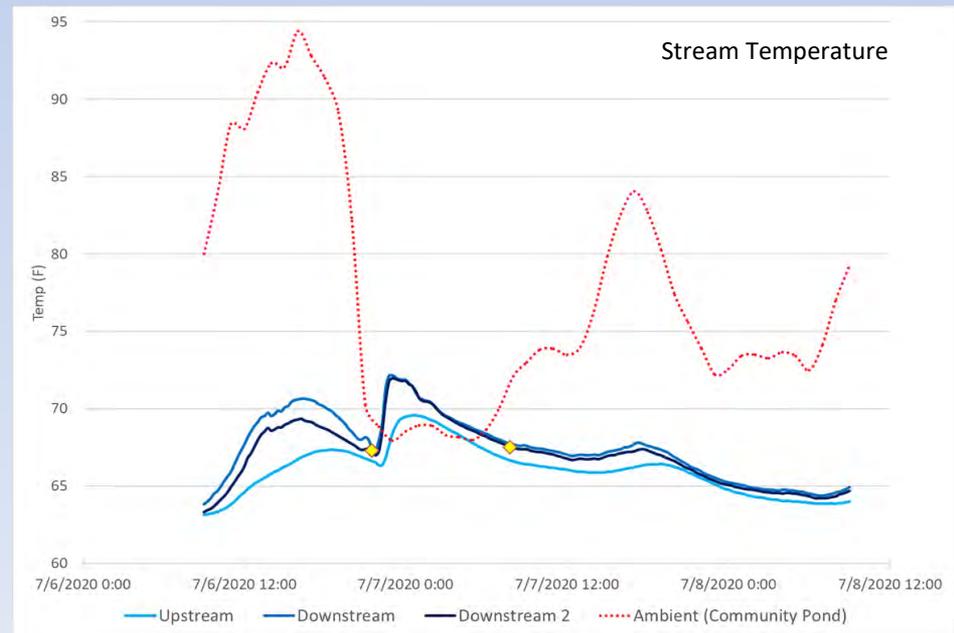
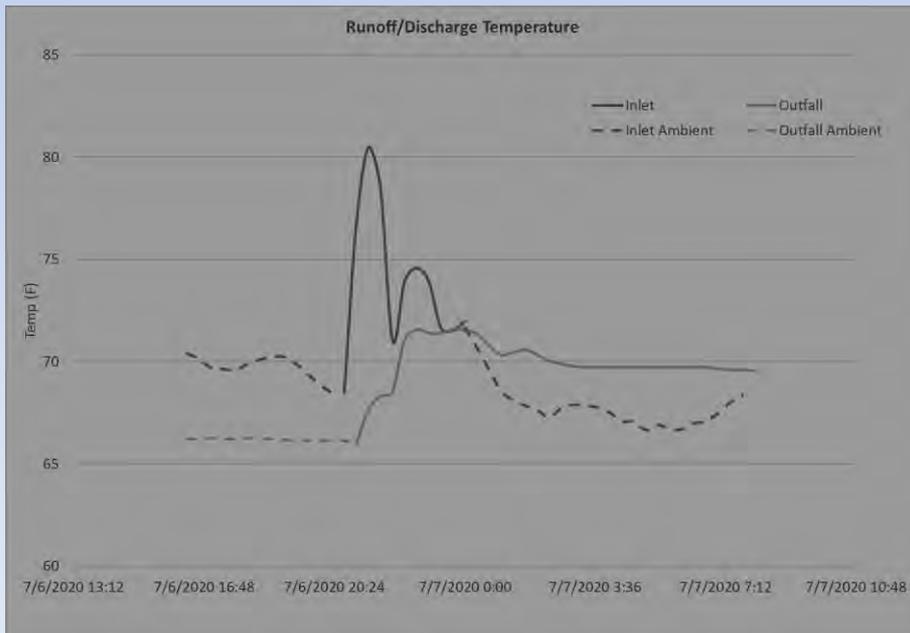
Location	Peak Temp (F)	Avg. Temp (F)
Inlet	80.49	74.36
Outfall	71.58	70.06
Upstream	69.56	67.96
Downstream	72.14	69.41
Downstream 2	71.96	69.22

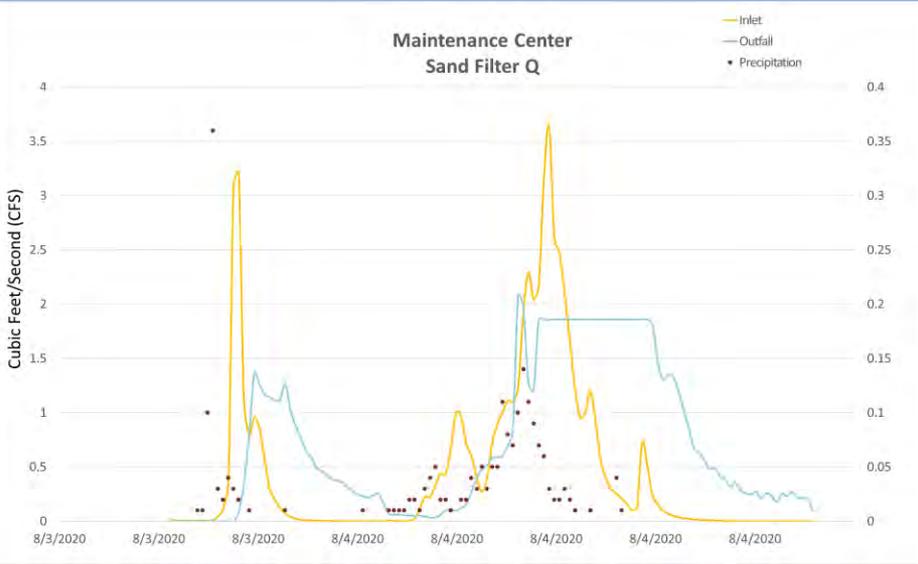




July 6, 2020 1.13" Precipitation

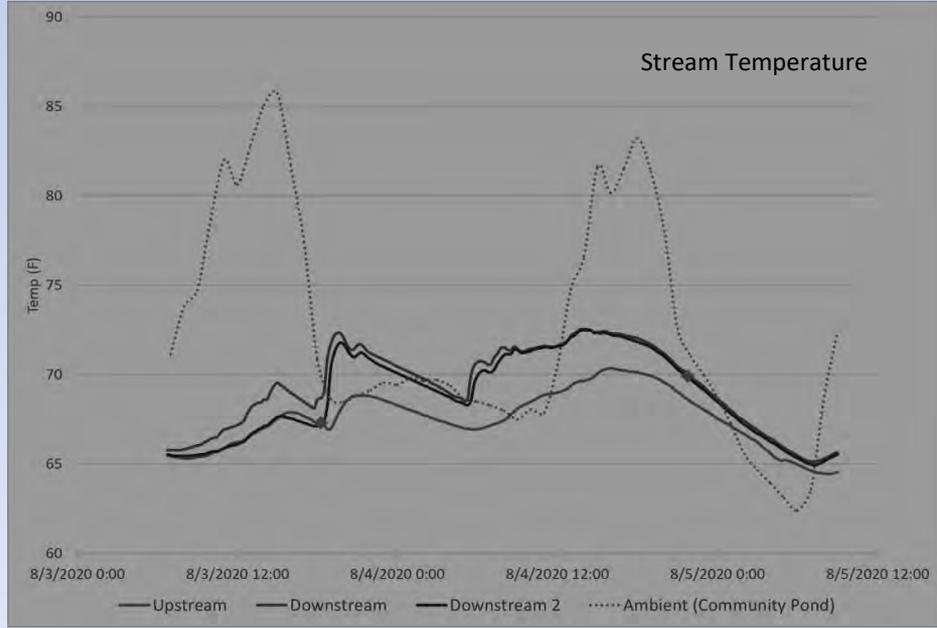
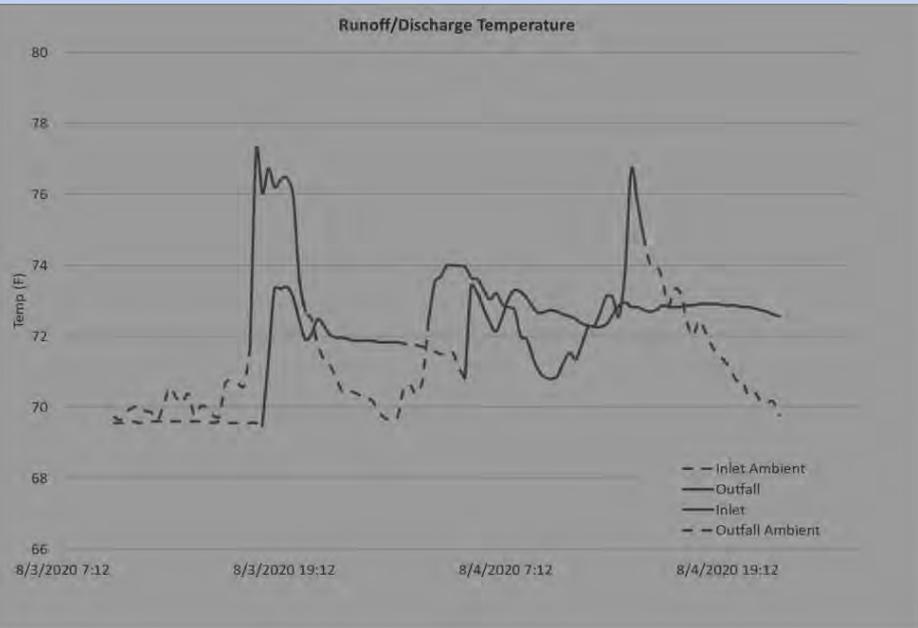
Location	Peak Temp (F)	Avg. Temp (F)
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Outfall	71.58	70.06
Upstream	69.56	67.96
Downstream	72.14	69.41
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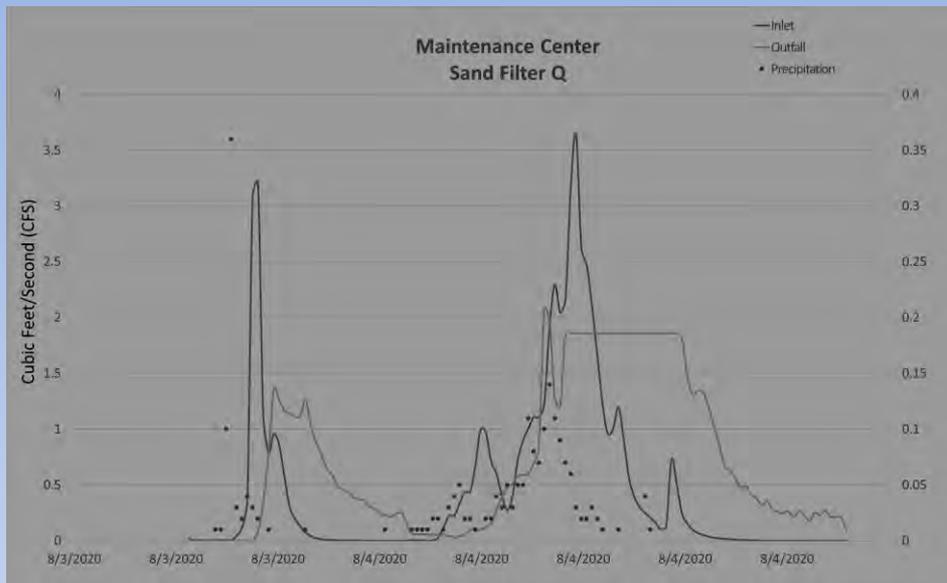




August 3-4, 2020 2.22" Precipitation

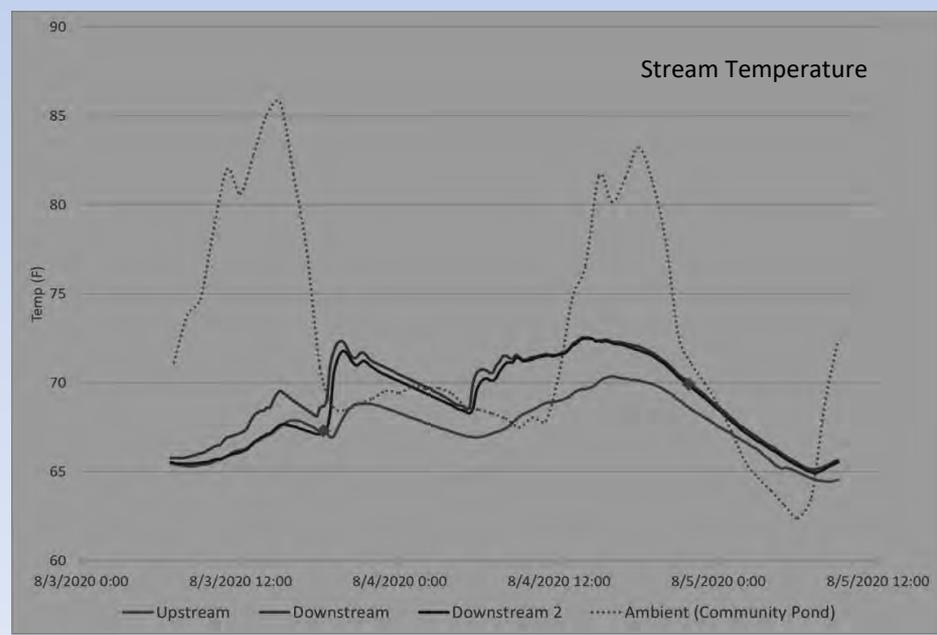
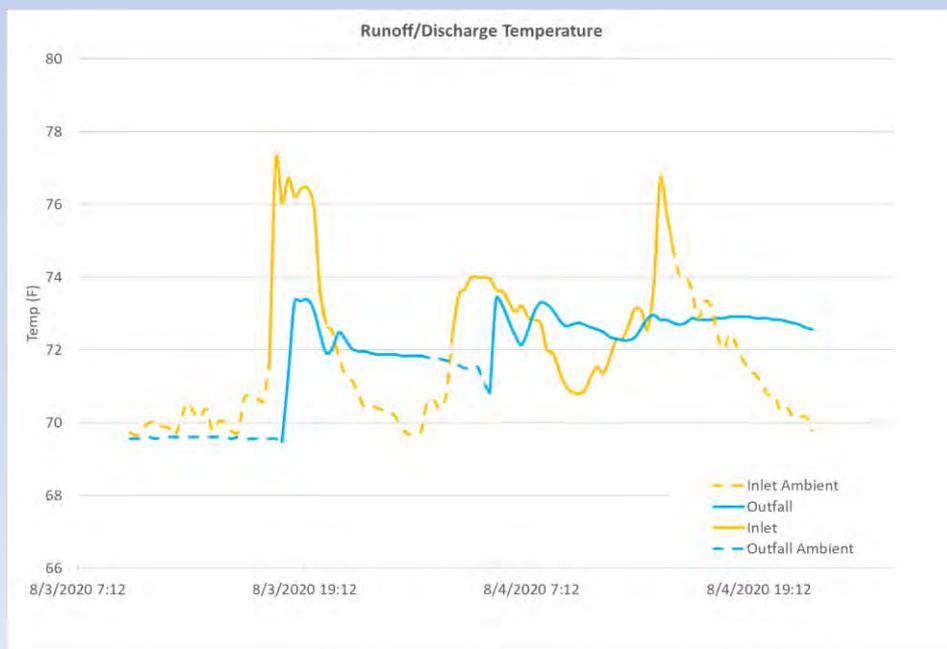
Location	Peak Temp (F)	Avg. Temp (F)
Inlet	77.20	73.44
Outfall	73.43	72.59
Upstream	70.37	68.59
Downstream	72.57	71.12
Downstream 2	72.52	70.81

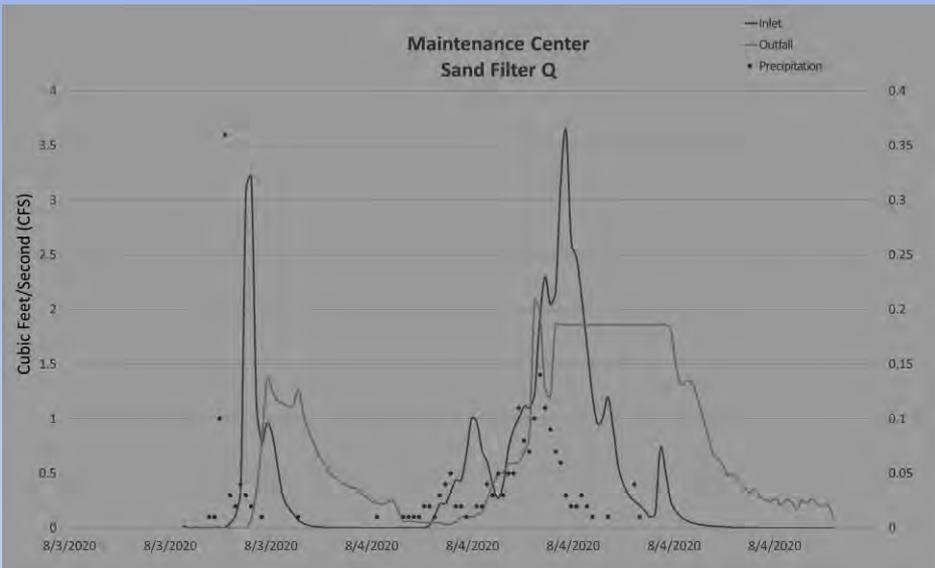




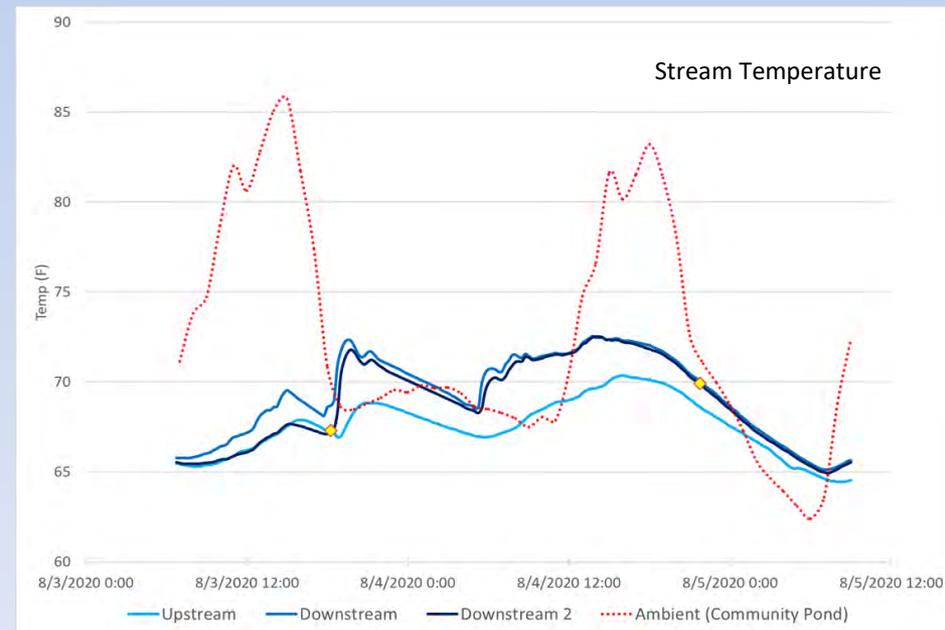
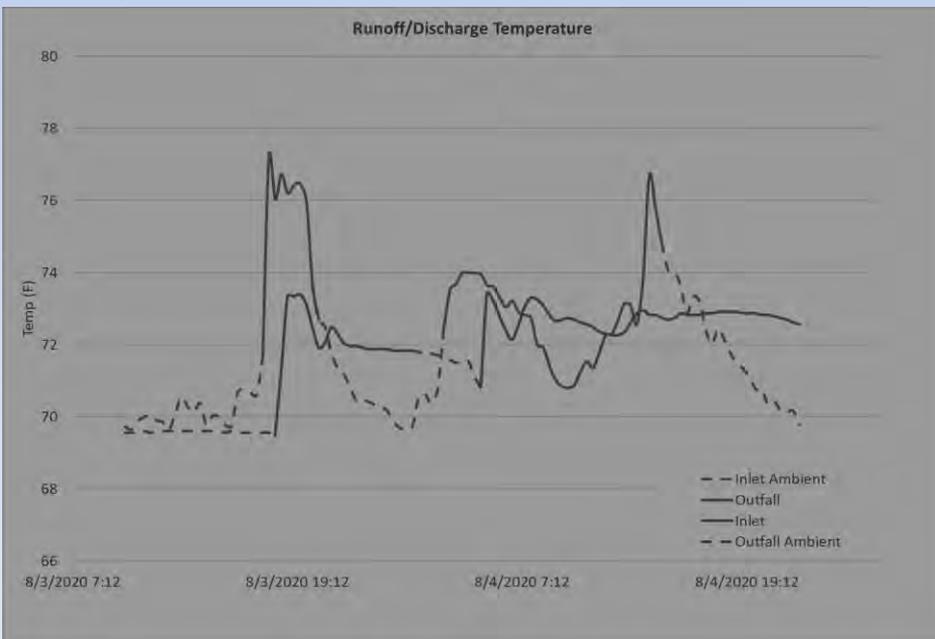
August 3-4, 2020 2.22" Precipitation

Location	Peak Temp (F)	Avg. Temp (F)
Inlet	77.20	73.44
Outfall	73.43	72.59
Upstream	70.37	68.59
Downstream	72.57	71.12
Downstream 2	72.52	70.81





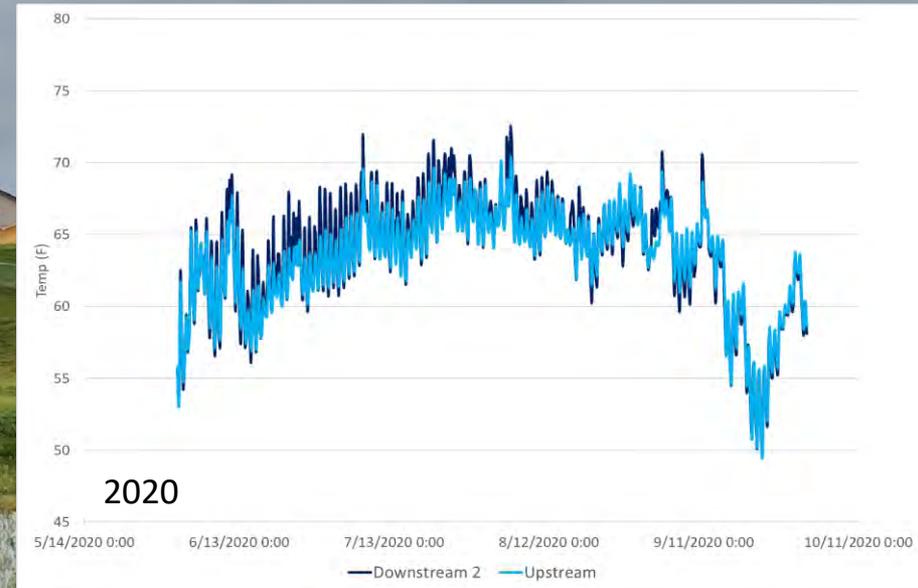
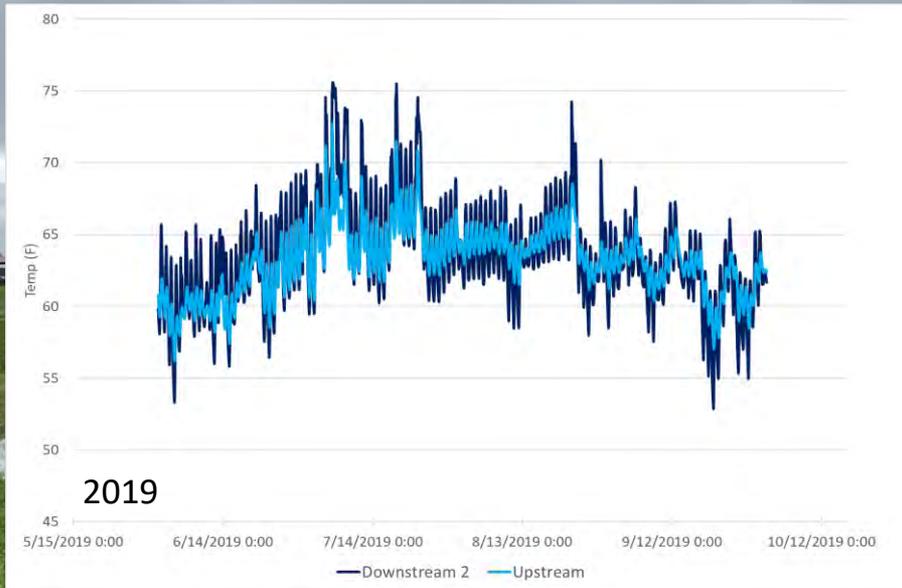
August 3-4, 2020 2.22" Precipitation		
Location	Peak Temp (F)	Avg. Temp (F)
Inlet	77.20	73.44
Outfall	73.43	72.59
Upstream	70.37	68.59
Downstream	72.57	71.12
Downstream 2	72.52	70.81



Summer Stream Temperatures

Cumulative Rainfall June 1, 2019 – September 30, 2019:
14.28"

Cumulative Rainfall June 1, 2020 – September 30, 2020:
11.12"



Location	Avg. Temp (F)	% Above 68F
Upstream	61.14	2.85%
Downstream 2	63.54	10.24%
Ambient	72.23	

Location	Avg. Temp (F)	% Above 68F
Upstream	63.41	5.12%
Downstream 2	63.76	10.13%
Ambient	72.26	

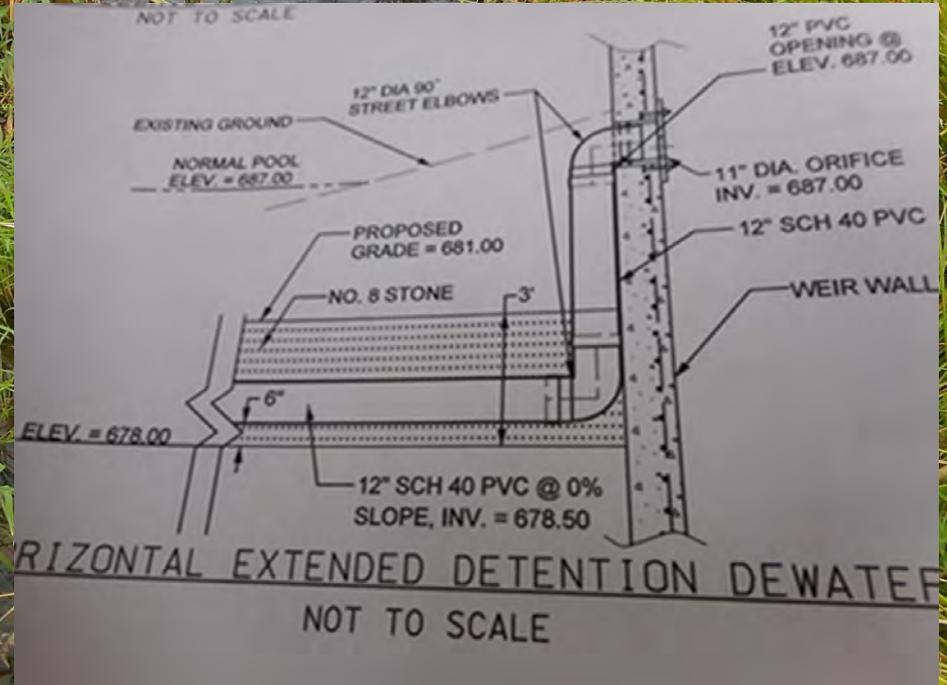
Willow Pond w/ Gravel Lens- Eden Farms Stream Restoration





2007 Aerial, Pre-Retrofits

- Control Vs. Treatment
 - Bottom withdraw Vs. Gravel substrate ("gravel lens")
 - UNH Thermal Study
- Thermal Response?
- 2-year design storm - BUBBA





Legend

- Temperature Sensors
- Restored Reach
- Streams

0 200 400 800 Feet



Gravel Lens Wet Pond

Date	Precipitation	Notes
2022 Storms		
7/6/2022-7/7/2022	1.68"	Temp Trends Analyzed
7/9/2022	0.39"	
7/12/2022	1.31"	
7/16/2022	0.56"	
7/18/2022	0.32"	
7/31/2022	0.74"	
8/9/2022	1.42"	
8/15/2022	1.41"	Temp Trends Analyzed
2023 Storms		
7/3/2023	0.36"	
7/15/2023	0.52"	
7/21/2023	0.99"	
7/28/2023	0.48"	Temp Trends Analyzed
8/7/2023	1.14"	Temp Trends Analyzed

2021 Thermal Season



Buoy Launch 5/15/2021

Plunge Pool Sensor





Orifice w/ U20L HOB0 Pressure Sensor

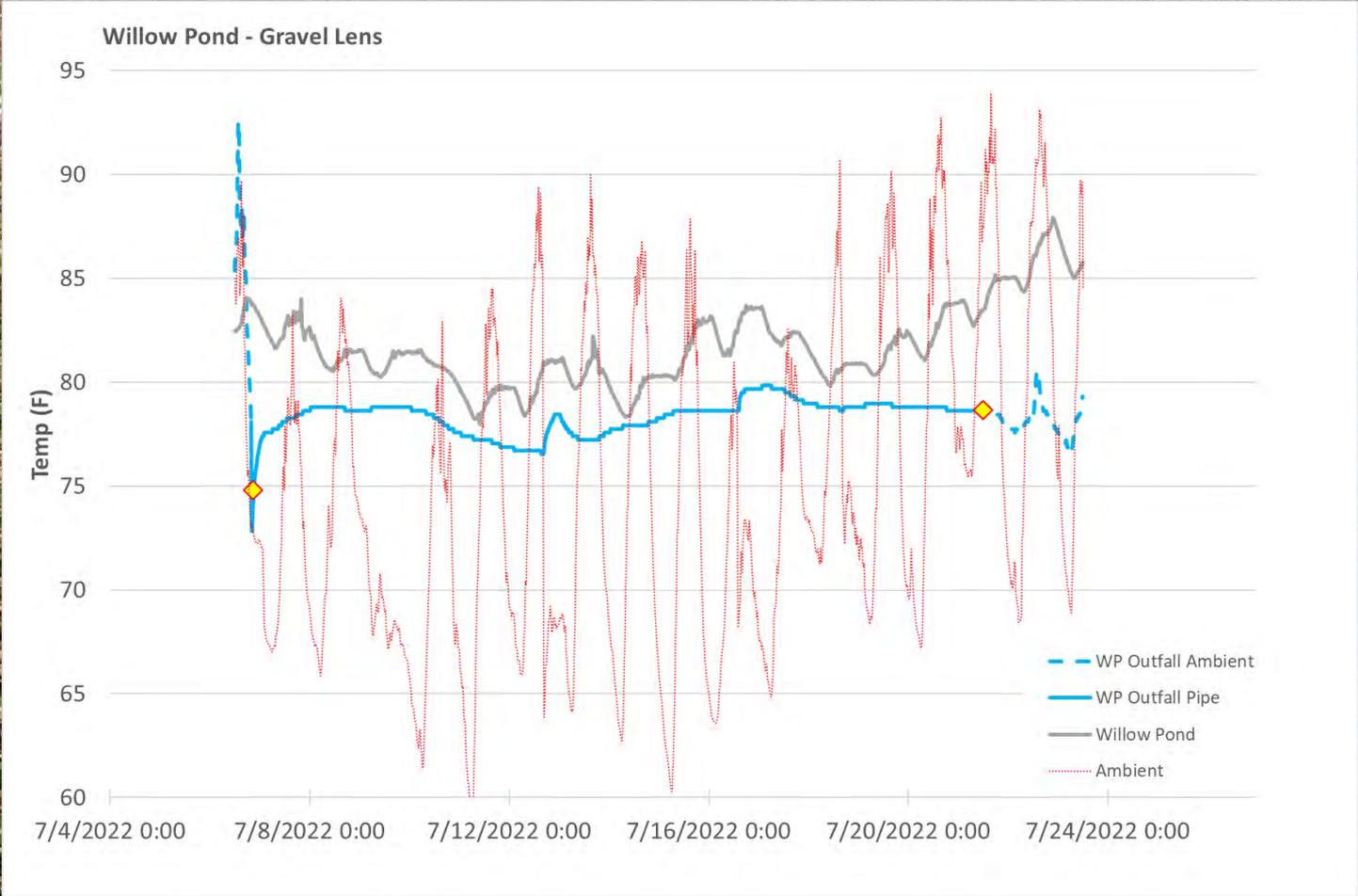
2021 Thermal Season





**July 6-23, 2022
4.29" Precipitation**

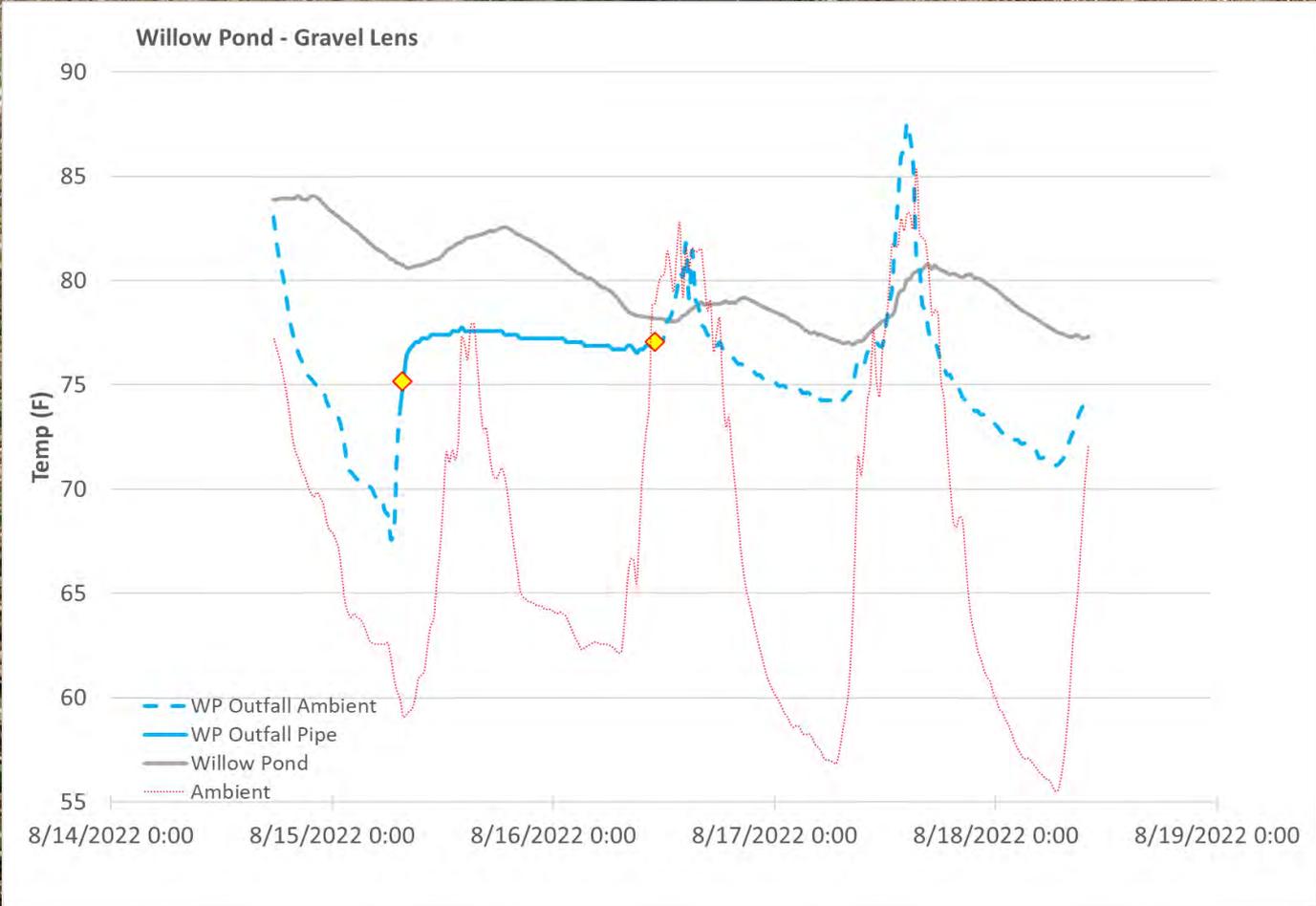
Location	Peak Temp (F)	Avg. Temp (F)
Willow Buoy	84.00	81.21
Willow Outfall	79.85	78.33



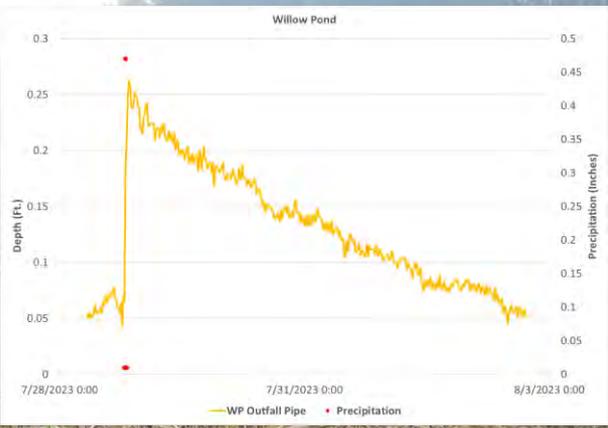


August 15, 2022 1.41" Precipitation

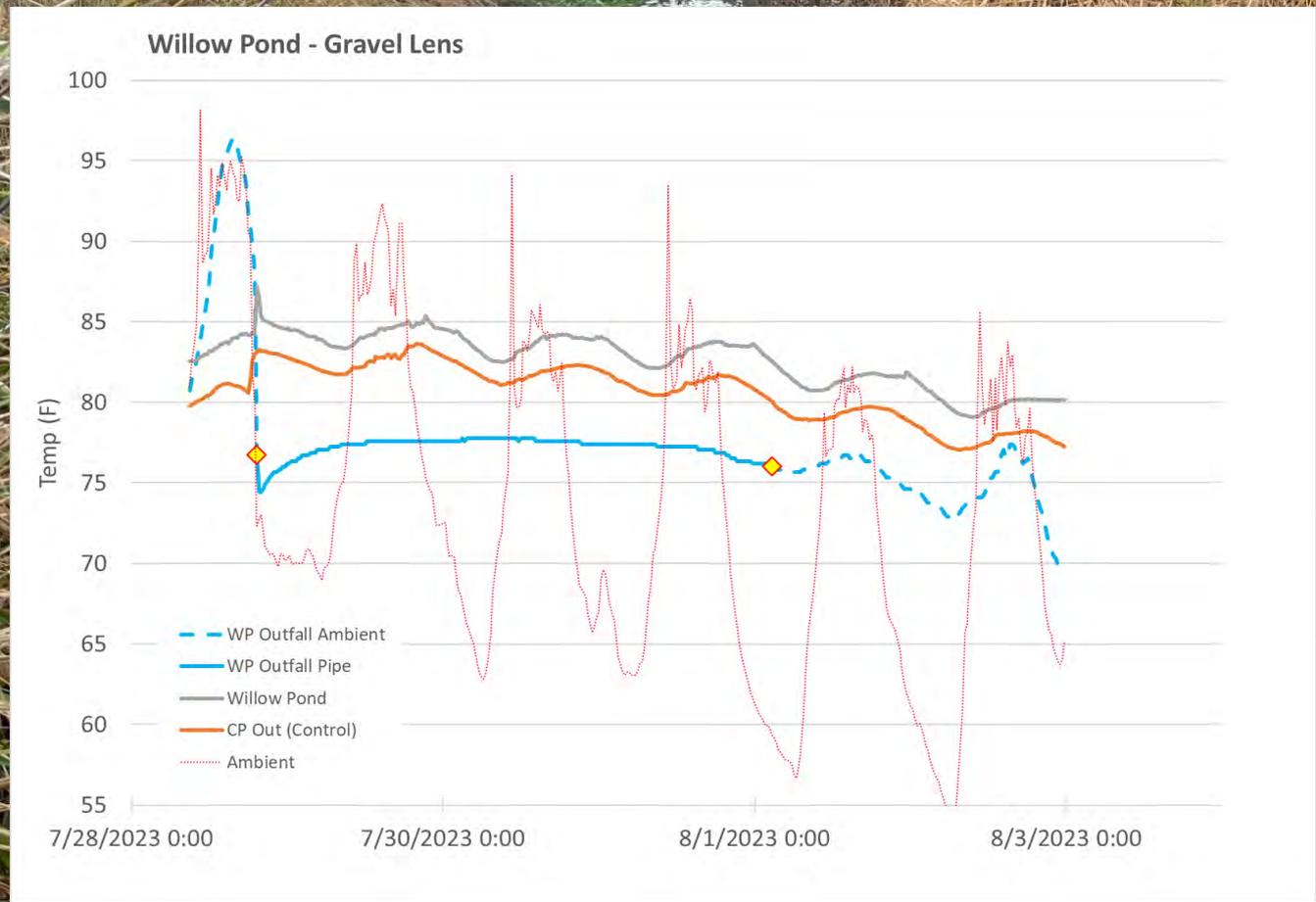
Location	Peak Temp (F)	Avg. Temp (F)
Willow Buoy	82.53	80.80
Willow Outfall	77.57	77.10

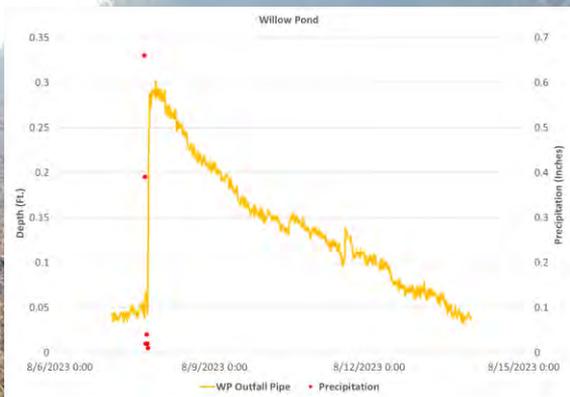
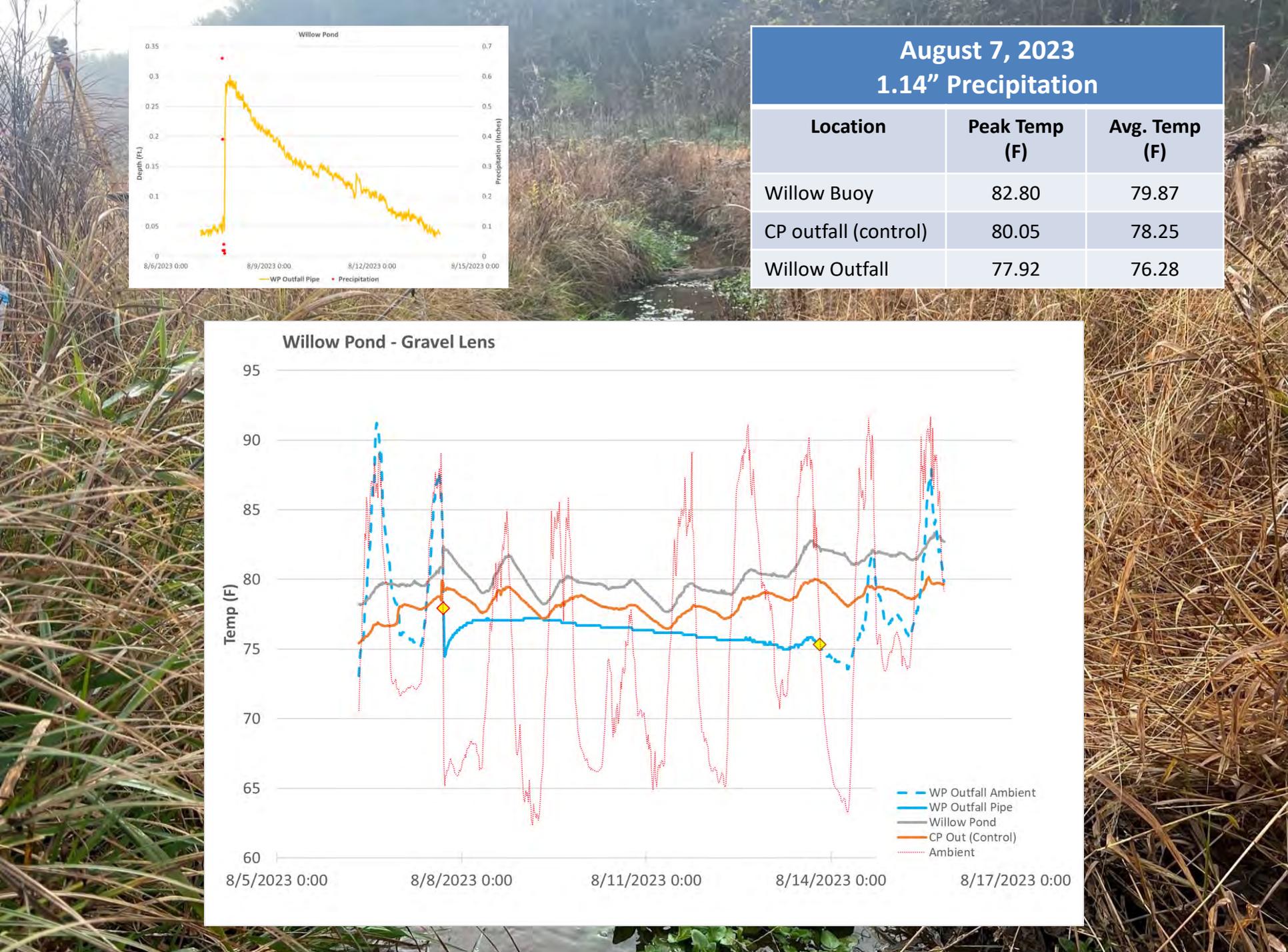


July 28, 2023
0.48" Precipitation
 (0.99" 7/21 – no discharge)



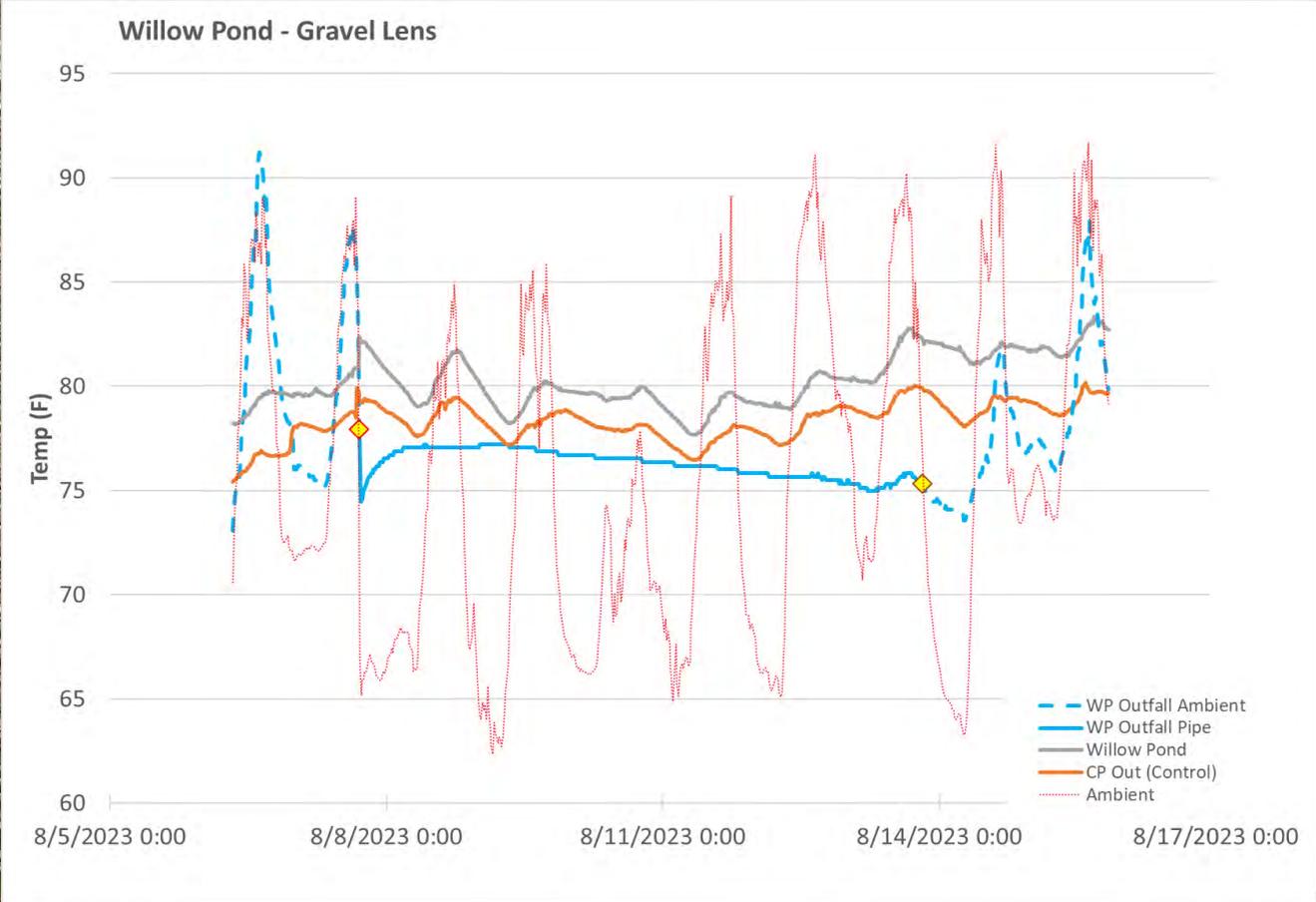
Location	Peak Temp (F)	Avg. Temp (F)
Willow Buoy	87.21	83.76
CP outfall (control)	83.60	81.90
Willow Outfall	77.75	77.19





August 7, 2023 1.14" Precipitation

Location	Peak Temp (F)	Avg. Temp (F)
Willow Buoy	82.80	79.87
CP outfall (control)	80.05	78.25
Willow Outfall	77.92	76.28

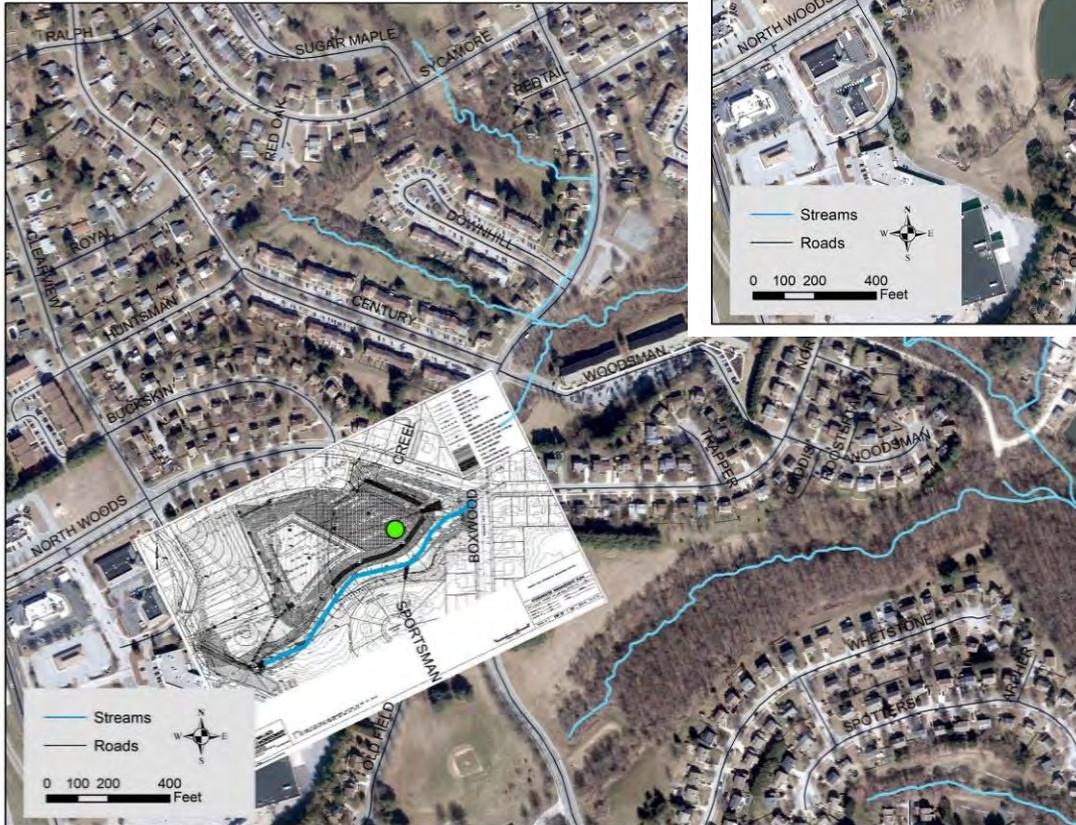


1 More Study.....

Wet Pool w/ Submerged
Gravel Wetland



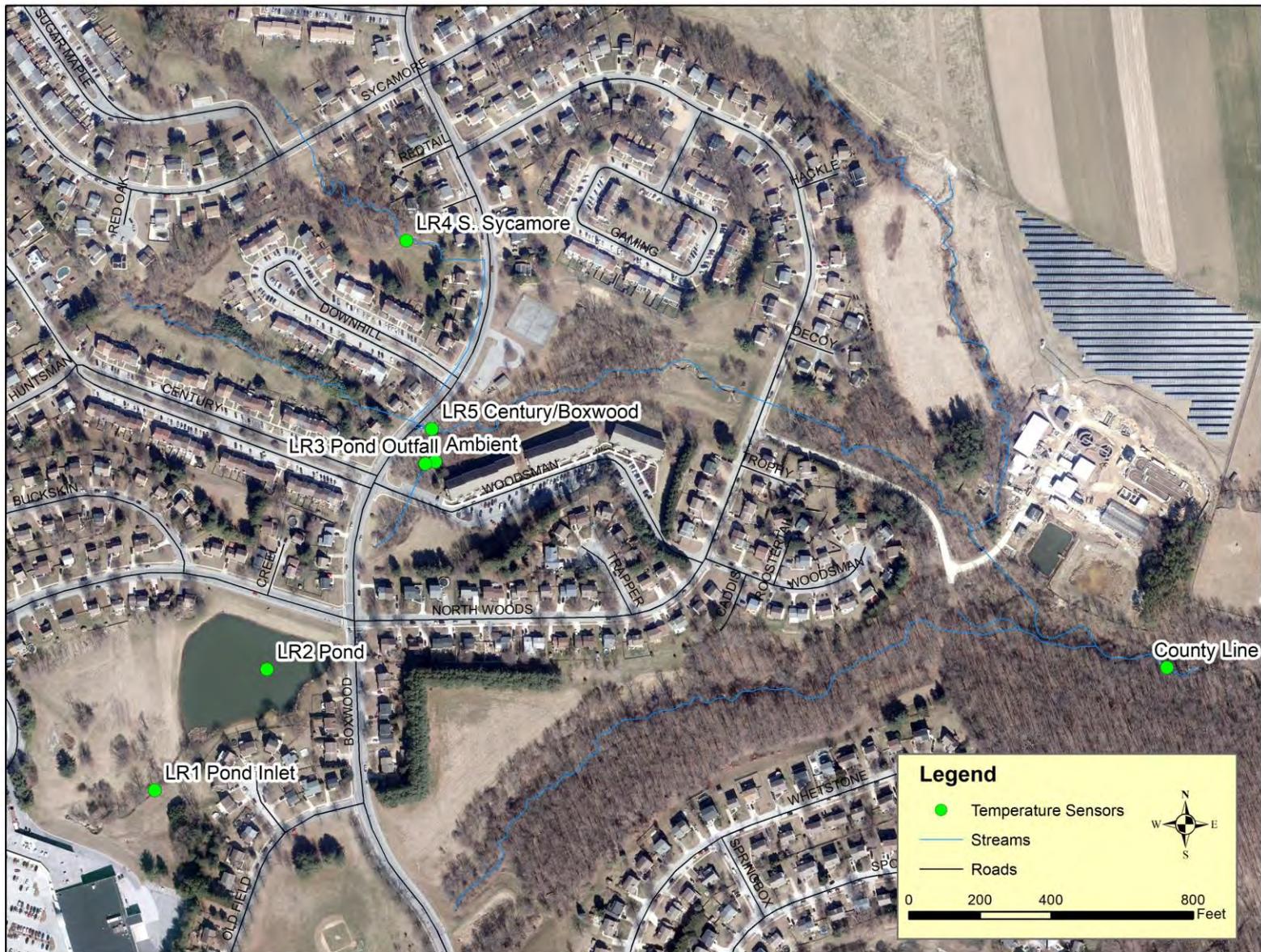
2020 Aerial



Concept Design

Wet Pool - Submerged Gravel Wetland Combination

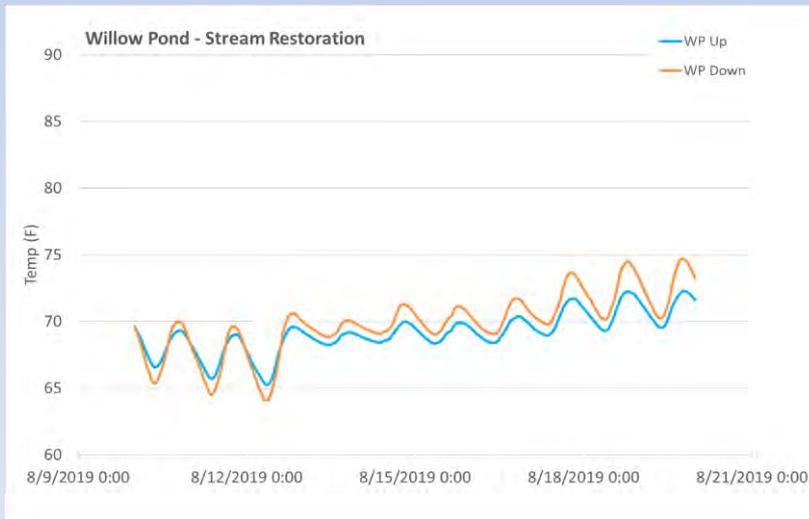
Deployed: May 2020



Shading

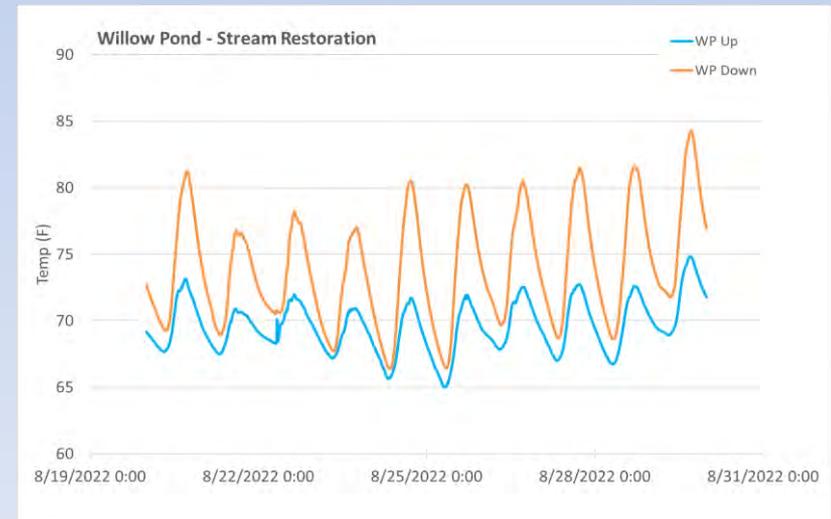


Pre-Restoration w/ Canopy



9 days, 0.06" rain – 0.09" 96 hours prior.
 Avg. Up = 69.13F, Avg. Down = 69.82F
 (0.69F) Greater Downstream

Post-Restoration no Canopy



9 days, 0.05" rain – 0.0" 96 hours prior.
 Avg. Up = 69.63F, Avg. Down = 73.99F
 (4.36F) Greater Downstream

Byron Madigan

Carroll County Government

bmadigan@carrollcountymd.gov

Thank You!!

Willow Stream Restoration/Gravel
Lens Wet Pond



MUNICIPAL STORMWATER PROJECT STATUS

February 28, 2024

FUTURE PROJECTS:

Michael's Property (Hampstead) – Project is on hold until Town has obtained approval from property owners to move forward.

Meadow Ridge Basin 2 (Westminster) – Retrofit of existing facility to provide water quality through a surface sand filter. This site is adjacent to the pump station at the edge of the City limits. The RFP was emailed out to the five County Engineering term contractors, with proposals due back March 1st, 2024.

Hampstead Valley 2/3 (Hampstead) – Hampstead Valley facilities 2 and 3 will be retrofit as a stream restoration project to decommission Sycamore Drive as a roadway embankment. The design will include a stream restoration beginning immediately downstream of the proposed Hampstead Valley 1 facility and continue to Sycamore Drive.

CONCEPT DESIGN:

Hampstead Valley 1 (Hampstead) – Retrofit of existing detention basin to a surface sand filter. Site is located just south of Lower Beckleysville Road near a production well. CLSI submitted a revised concept plan for review on December 7th, the plan is being reviewed.

Manchester East (Manchester) – CLSI is working on the concept design of a new stormwater facility north of Manchester Valley High School, adjacent to the pump station. CLSI submitted a concept plan February 16th.

New Windsor Wetland (New Windsor) - A new wetland facility is proposed adjacent to the Maryland Midland Railroad tracks and Dickenson Run. The proposed improvements include removing the existing inlet adjacent to the intersection of Water St and Church St, replacing it with a diversion structure that will route the 1-year storm discharges to the proposed wetland facility. We are working through the design with the engineer for a structure to balance the facility on both sides of the sewer main. Comments have been provided to the engineer.

Public Safety Training Center (Westminster Well)- A retrofit for the Public Safety Training Center pond is in progress for the facility design and PFAS remediation. WRA is finalizing the concept plan for the surface sand filter. We are continuing to work with Building Construction to coordinate design efforts for erosion and sediment control. A meeting is scheduled for Friday, February 23rd to talk with the design engineer.

PRELIMINARY DESIGN:

Hampstead Valley 4 (Hampstead) – A new surface sand filter and stream restoration project is proposed between Century Street and Downhill Trail. Culverts at Downhill Trail require realignment into the HOA parcel for dam breach approval. Soil borings are scheduled to be completed by KCI on Friday, February 24th.

Roberts Field Wet Facility (Hampstead) – Retrofit of wet pond to new hybrid wet pond/submerged gravel wetland. The recent concept submittal was approved with comments from the Town and Stormwater Management. Wallace Montgomery & Associates (WMA) is working on the preliminary plans. A revised grading plan was provided this month to be submitted with the grant application to DNR Grants Gateway. We anticipate resubmission of the preliminary plan by the end of February. Kleinfelder was selected to perform the geotechnical borings, we anticipate this occurring in early March. We will reach out to the Town once we have a date set.

FINAL DESIGN:

CONSTRUCTION:

PLANNING PROJECTS:

Little Pipe Creek Restoration Opportunities –CWP has developed a spreadsheet to prioritize projects and has identified five potential projects. The County plans to submit an application to NFWF for technical assistance to complete a design on one of the projects identified within the City of Westminster.

TREE PLANTING PROJECTS:

All the municipal plantings have completed their maintenance period and are now the responsibility of the municipalities. Please make sure that these areas are being mowed at least three (3) times per season.



WRCC Legislative Update



2024 General Assembly Proposed Water/Environmental Resource Legislation

Status: As of February 28, 2024

Bill + Description	Status + Position
<p>SB 96/HB 24 ENVIRONMENT - IMPACT OF ENVIRONMENTAL PERMITS AND STATE AGENCY ACTIONS Requiring the Department of the Environment to conduct a climate and environmental equity evaluation regarding the impact of issuing an approval for certain environmental permits; requiring the Department to provide opportunities for residents of the State to opt in to text, phone, e-mail, or regular mail notifications regarding any facility with a pending or final permit approval in or adjacent to the resident's census tract; altering certain reporting requirements for certain State agencies; etc.</p> <p>Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0096F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0096F.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: Hearing 3/5 ♦ HB: Hearing 2/21 <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Not tracking (as of 2/15) ♦ MACO: Not tracking (as of 2/28) ♦ LRM Position: No action <p>➤ Other: Introduced in 2023 Regular Session as: SB0743 / HB0840</p>
<p>SB 274/HB 17 CHARTER COUNTIES - COMPREHENSIVE PLANS - AFFIRMATIVELY FURTHERING FAIR HOUSING Altering requirements for the housing element of a charter county's comprehensive plan to include requirements related to affirmatively furthering fair housing; requiring the housing element of a comprehensive plan that is enacted or amended on or after January 1, 2025, to include an assessment of fair housing to ensure that the county is affirmatively furthering fair housing; etc.</p> <p><i>*Bill imposes a local government mandate, which is a directive in a bill requiring a local government unit to perform a task or assume a responsibility that has a discernible fiscal impact on the local government unit.</i></p> <p>Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0274F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0017F.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: Hearing 1/25; favorable; passed Senate ♦ HB: Hearing 2/6; favorable; passed House <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Not tracking (as of 2/15) ♦ MACO: Not tracking (as of 2/28) ♦ LRM Position: No action <p>➤ Other: requested by MDP</p>

Bill + Description

Status + Position

SB 356/HB 3

LAND USE - EXPEDITED DEVELOPMENT REVIEW PROCESSES FOR AFFORDABLE HOUSING - REQUIREMENTS

Requiring local jurisdictions to establish and implement an expedited development review process for certain proposed affordable housing developments; applying the process to a charitable organization seeking to develop affordable housing on its own land and a public housing authority proposing to develop affordable housing on land owned by a charity or a government entity; and establishing a good-faith waiver for local jurisdictions that cannot implement an expedited development review process.

**Bill imposes a local government mandate, which is a directive in a bill requiring a local government unit to perform a task or assume a responsibility that has a discernible fiscal impact on the local government unit.*

Bills:

- **SB:** <https://mgaleg.maryland.gov/2024RS/bills/sb/sb0356F.pdf>
 - **HB:** <https://mgaleg.maryland.gov/2024RS/bills/hb/hb0003F.pdf>
- ♦ Discussed @ WRCC meeting 1/26/2024

> Status:

- ♦ **SB:** Hearing 2/1
 - ♦ **HB:** Hearing 1/30
- #### > Positions:
- ♦ **MML:** Hold
 - ♦ **MACO:** Support w Amendments
 - ♦ **LRM Position:** No action
- #### > Other:
- Introduced in 2023 Regular Session as: [SB0903](#)

SB 484/HB 538

LAND USE - AFFORDABLE HOUSING - ZONING DENSITY AND PERMITTING (HOUSING EXPANSION AND AFFORDABILITY ACT OF 2024)

Prohibiting a local legislative body from prohibiting the placement of a certain manufactured home in certain residential zoning districts under certain circumstances; prohibiting a local jurisdiction from using an element of an adequate public facilities law to deny certain permits for certain State-funded affordable housing projects or other qualified projects or to restrict or limit the development of the projects in a certain manner; etc.

Bills:

- **SB:** <https://mgaleg.maryland.gov/2024RS/bills/sb/sb0484F.pdf>
 - **HB:** <https://mgaleg.maryland.gov/2024RS/bills/hb/hb0538F.pdf>
- ♦ Discussed @ WRCC meeting 1/26/2024

> Status:

- ♦ **SB:** Hearing 3/1
 - ♦ **HB:** Hearing 2/20
- #### > Positions:
- ♦ **MML:** Support w Amendments
 - ♦ **MACO:** Support w Amendments
 - ♦ **LRM Position:** No action
- #### > Other:
- requested by Administration

HB 516

CLIMATE CRISIS AND ENVIRONMENTAL JUSTICE ACT OF 2024

Description: Establishing the Climate Crisis Initiative in the Department of the Environment to provide for the assessment of greenhouse gas pollution fees, the provision of certain benefits to households and employers, and the funding of certain climate-related activities; providing for the collection and use of certain greenhouse gas pollution fees; establishing the Household and Employer Benefit Fund and the Climate Crisis Infrastructure Fund as special, nonlapsing funds; etc.

- **Bill:** <https://mgaleg.maryland.gov/2024RS/bills/hb/hb0516F.pdf>
- ♦ Discussed @ WRCC meeting 1/26/2024

> Status:

- ♦ **SB:** n/a
 - ♦ **HB:** Hearing 2/29 (EM)
- #### > Positions:
- ♦ **MML:** Not tracking (as of 2/15)
 - ♦ **MACO:** Not tracking (as of 2/28)
 - ♦ **LRM Position:** n/a
- #### > Other:
- Introduced in 2023 Regular Session as: [HB0171](#)

DEAD 🚫

UNLIKELY TO PASS 🚧

MOVING FORWARD 🚀

Bill + Description	Status + Position
<p>SB 572 ENVIRONMENT – COLLECTION AND REPORTING OF DRINKING WATER AND WASTEWATER DOCUMENTS, DATA, AND INFORMATION – REQUIREMENTS Description: Requiring a water utility operating in the State to post on its website or provide to the Department of the Environment documents, data, and information required as part of the water utility's annual water quality consumer confidence report; requiring a certain local government to provide or post on its website certain data and information to a certain water utility; prohibiting the Department from imposing more than a certain amount in fines on certain water utilities for each reporting year; etc. Bill: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0572F.pdf <i>♦ Emailed to WRCC 1/26/2024</i></p>	<p>> Status: <i>♦ SB:</i> Hearing 2/6 <i>♦ HB:</i> n/a > Positions: <i>♦ MML:</i> Support w Amendments <i>♦ MACO:</i> Support w Amendments <i>♦ LRM Position:</i> n/a</p>
<p>SB 710 WATER UTILITIES SHUTOFF PROTECTIONS Description: Authorizing a certain water utility to temporarily shut off service for reasons of health or safety or in a State or national emergency, notwithstanding certain provisions of law; prohibiting a water utility from shutting off service for certain reasons; prohibiting a water utility from shutting off service on receipt of certain information; and prohibiting the sale of property solely to enforce a lien imposed for unpaid water, sewer, or sanitary system charges, fees, or assessments except in certain circumstances. Bill: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0710F.pdf <i>♦ Emailed to WRCC 1/31/2024</i></p>	<p>> Status: <i>♦ SB:</i> Hearing 2/29 <i>♦ HB:</i> n/a > Positions: <i>♦ MML:</i> Watch <i>♦ MACO:</i> Not tracking (as of 2/28) <i>♦ LRM Position:</i> n/a > Other: Introduced in 2023 Regular Session as: SB0883</p>
<p>SB 726/HB 1478 BAY RESTORATION FUND – AUTHORIZED USES – DECOMMISSION OF WASTEWATER TREATMENT LAGOON Description: Altering the authorized uses of the Bay Restoration Fund to include, beginning in fiscal year 2026, 100% of certain costs related to the decommissioning of certain wastewater treatment lagoons. Bills: <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0726F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1478F.pdf <i>♦ Emailed to WRCC 1/31/2024; 2/14/2024</i></p>	<p>> Status: <i>♦ SB:</i> Hearing 2/20 <i>♦ HB:</i> Hearing not yet scheduled (Rules) > Positions: <i>♦ MML:</i> Not tracking (as of 2/15) <i>♦ MACO:</i> Support <i>♦ LRM Position:</i> n/a</p>

Bill + Description	Status + Position
<p>SB 835/HB 992 ENVIRONMENT – DELEGATED AUTHORITIES – WELL AND SEPTIC PROGRAM PERMITS Description: Requiring a local health department or county government with certain 4 delegated authority to submit, on or before a certain date, a schedule of review times 5 for certain well and septic program permits to the Department of the Environment 6 for approval; requiring a local health department or county government to submit 7 well and septic program permit data to the Department for review at a certain 8 frequency under certain circumstances; and generally relating to local health 9 departments or county governments and well and septic program permits. Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0835F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0992F.pdf <p>♦ Emailed to WRCC 2/23/2024</p>	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: Hearing 2/20 ♦ HB: Hearing 2/28 <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Not tracking (as of 2/28) ♦ MACO: Not tracking (as of 2/28) ♦ LRM Position: n/a
<p>HB 908 ENVIRONMENT – SUPPLIERS OF WATER – NOTIFICATION REQUIREMENTS Description: Altering certain notice requirements that a supplier of water must give to the Department of the Environment and certain individuals and entities under certain circumstances; requiring a supplier of water to give notice to the Department of the Environment and the Maryland Department of Emergency Management if there is a positive test for E. coli in the system and immediately begin certain preparations; requiring each community water system to ensure that certain testing is performed on water provided by the system; etc. Bill: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0908F.pdf</p> <p>♦ Emailed to WRCC 2/5/2024</p>	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: n/a ♦ HB: withdrawn by sponsor <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Not tracking ♦ MACO: No position/Letter of Information ♦ LRM Position: n/a
<p>SB 956/HB 1153 ENVIRONMENT – WATER POLLUTION CONTROL – PROTECTING STATE WATERS FROM PFAS POLLUTION (PROTECTING STATE WATERS FROM PFAS POLLUTION ACT) Description: Establishing the discharge limit for PFAS chemicals in any water, including stormwater, discharged from a significant industrial user to be 4 parts per trillion; requiring a significant industrial user to reduce PFAS chemicals from the water it discharges to a publicly owned treatment works in a certain manner; requiring a significant industrial user to store, reuse, and dispose of certain PFAS chemicals in a certain manner; etc. Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0956F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1153F.pdf <p>♦ Emailed to WRCC 2/15/2024</p>	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: Hearing 2/20 ♦ HB: Hearing 3/1 <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Watch ♦ MACO: Support w Amendments ♦ LRM Position: No action

Bill + Description	Status + Position
<p>SB 969/HB 1165 STREAM AND WATERSHED RESTORATION – STREAM RESTORATION CONTRACTOR LICENSING AND CHESAPEAKE AND ATLANTIC COASTAL BAYS RESTORATION AND FUNDING (WHOLE WATERSHED ACT) Description: Establishing the Stream Restoration Contractors Licensing Board; requiring a person to be licensed as a stream restoration contractor or be employed by an individual or entity that is licensed as a stream restoration contractor before the person performs or solicits to perform stream restoration contractor services in the State, subject to a certain exception; requiring the Department of the Environment to provide notice of a certain violation to a stream restoration contractor; etc. Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0969F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1165F.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ◆ SB: Hearing 3/5 ◆ HB: Hearing 3/1 <p>➤ Positions:</p> <ul style="list-style-type: none"> ◆ MML: Watch ◆ MACO: Support w Amendments ➤ LRM Position: Oppose <p>➤ Note: 2 other stream restoration bills (SB 798; HB 1284) were also introduced, but this one is the one that is likely to pass.</p>
<p>HB 1055 ENVIRONMENT – HIGHWAYS – SALT APPLICATION Description: Requiring each State agency, county, and municipality to maintain certain records of its highway salt application and submit to the Department of the Environment by a certain date each year a report on its highway salt application for the previous winter season; and generally relating to highway salt application. Bill: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1055F.pdf</p>	<p>➤ Status:</p> <ul style="list-style-type: none"> ◆ SB: Favorable Report with Amendments (JP) ◆ HB: Hearing 2/27 <p>➤ Positions:</p> <ul style="list-style-type: none"> ◆ MML: Watch ◆ MACO: Support w Amendments ➤ LRM Position: Oppose
<p>HB 1074 ENVIRONMENT – INDUSTRIAL SLUDGE UTILIZATION PERMIT – ESTABLISHMENT Description: Establishing an industrial sludge utilization permit; prohibiting a person from utilizing industrial sludge in the State unless the person obtains a permit; requiring the Department of the Environment to provide certain notices and information to certain persons; applying certain provisions of law regarding public notice and participation to industrial sludge utilization permits; authorizing a representative of the Department to enter and inspect any site where industrial sludge is utilized; and generally relating to industrial sludge utilization permits. Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb1074F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0991F.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ◆ SB: Favorable Report with Amendments (JP) ◆ HB: Hearing 2/27 <p>➤ Positions:</p> <ul style="list-style-type: none"> ◆ MML: Watch ◆ MACO: Support w Amendments ➤ LRM Position: BCC Support; PLM request clarification <p>➤ Note: Sponsors include Carroll delegation members Ready, West, Bouchat, Rose, & Tomlinson</p>

Bill + Description	Status + Position
<p>SB 1173/HB 1512 BAY RESTORATION FUND – USE OF FUNDS – MUNICIPAL WASTEWATER FACILITIES – SUNSET REPEAL Description: Repealing the termination date for certain provisions of law that expand the authorized uses of the Bay Restoration Fund to include certain costs associated with the connection of a property using an on-site sewage disposal system to a certain existing municipal wastewater facility. Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb1174F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1512F.pdf <p>♦ Emailed to WRCC 2/23/2024</p>	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: Hearing not yet scheduled (Rules) ♦ HB: Hearing not yet scheduled (Rules) <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: ♦ MACO: Pending ♦ LRM Position: Support; no action
<p>SB 1174/HB 1509 BALTIMORE REGIONAL WATER AUTHORITY GOVERNANCE WORKGROUP – ESTABLISHED Description: Repealing the termination date for certain provisions of law that expand the authorized uses of the Bay Restoration Fund to include certain costs associated with the connection of a property using an on-site sewage disposal system to a certain existing municipal wastewater facility. Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb1174F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1509F.pdf <p>♦ Emailed to WRCC 2/23/2024</p>	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: Hearing not yet scheduled (Rules) ♦ HB: Hearing not yet scheduled (Rules) <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: ♦ MACO: Not tracking (as of 2/28) ♦ LRM Position: Oppose
<p>HB 1511 FOREST CONSERVATION ACT – MODIFICATIONS Description: Requiring the Department of Natural Resources to update a certain model local government ordinance and adopt certain regulations relating to forest conservation on or before July 1, 2025, and July 1, 2026, respectively; delaying the dates on which certain provisions of the Forest Conservation Act will apply to certain solarvoltaic facilities and forest conservation plans; and delaying the effective date of certain provisions of the Forest Conservation Act. Bill: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1511F.pdf</p>	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: n/a ♦ HB: Hearing not yet scheduled (Rules) <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Not tracking (as of 2/28) ♦ MACO: Pending ♦ LRM Position: Support

Carroll County Water Resource Coordination Council

Hampstead * Manchester * Mt. Airy * New Windsor
Carroll County Health Department



* Sykesville * Taneytown * Union Bridge * Westminster
Carroll County Government

WRCC Meeting Summary

March 27, 2024

Attendees:

Municipalities:

- Kevin Hann, Chair, Hampstead
- Jim Wieprecht, Vice Chair, Taneytown
- Gary Dye, New Windsor
- Delbert Green, Manchester
- Mayor Perry Jones, Union Bridge
- Rodney Kuhns, Manchester
- Alex Perricone, Manchester
- Mike Rawlings, Westminster
- Kevin Rubenstein, Sykesville
- Kevin Smeak, Taneytown
- Steve Strawsburg, Westminster
- Dick Swanson, Mount Airy

CC PLM:

- Daphne Daly
- Brenda Dinne
- Glenn Edwards
- Andrew Gray
- Chris Heyn, Director
- Claire Hirt
- Byron Madigan
- Kelly Martin
- Mitch Masser
- Denise Mathias
- Zach Neal
- Janet O'Meara
- Pat Varga

Health Department:

- Richard Brace

CCG Others:

- Andy Watcher, CC DPW
- Bryan Bokey, CC DPW
- Lydia Rogers, CC M&B

Guest Speakers:

-

1. Opening Statement

Chair – Kevin Hann

Mr. Hann opened the meeting at 2:30 PM.

He expressed appreciation for Zach Neal's monthly water level/drought updates.

Mr. Hann inquired about replacing/updating the Drinking Water Protection Area signs that were installed approximately 25 years ago. Ms. O'Meara will look into it. He suggested that a contest for a new logo for a new sign design could be an idea for the Environmental Symposium.

Hampstead experienced incidents of dumping behind the Robert's Field Shopping Center.

Vice Chair – Jim Wieprecht

Nothing additional.

2. Approval of Meeting Summary – February 28, 2024

Approval of the February meeting summary was discussed. No changes were made.

APPROVAL OF MINUTES: Motion was made by Mayor Perry Jones and seconded by Jim Wieprecht to approve the February 28, 2024, meeting summary. Motion carried.

3. National Flood Insurance Program (NFIP) & Community Rating System (CRS) – Pat Varga

- Mr. Varga gave a history of significant flooding events and legislation in the country that have shaped the current regulations and policies that are in place.

- He discussed how flood insurance became a federal program rather than remain under private insurance companies.
- Mr. Varga described the Community Rating System (CRS) and various factors that contribute to the system of accruing points to attain higher levels and additional insurance discounts.
- Information is available on the County's [Flood Management Program Overview](#) website.

Reference/Attachment:

- *PowerPoint: FEMA, The National Flood Insurance Program, and The Community Rating System*

4. Water Resources Element (WRE 2024) Update – Brenda Dinne

- Task 1.2: Automation of Portions of Buildable Land Inventory Model: Task completed.
- Task 2: Groundwater Allocability: Task completed.
- Task 3: Emerging Contaminants: Task completed.
- Task 4: MDE TIPP Spreadsheet Comparison: Hazen corrected the TIPP spreadsheets, and Hanover Land is repopulating them.
- Task 5: Climate Change Impacts: Task completed.
- Task 6: Update 2010 WRE Supporting Documents: Hazen is working on revisions based on staff comments on the draft documents. Ms. Dinne will send each municipality and the Bureau of Utilities the revised Wastewater Limitations report to check the numbers and text for their own systems to ensure there are no concerns.
- Process: The WRE plan document will move forward with the adoption process ahead of the rest of the Master Plan update process. The information in the WRE will not change and will be helpful with informing the Master Plan and municipal comprehensive plan update processes. The intention is for all nine jurisdictions to adopt the same document and go through the adoption process together.

Reference/Attachment:

- *N/A*

5. Municipal Stormwater Projects Update – Janet O’Meara

- Ms. O’Meara provided an update on the municipal stormwater restoration projects.

Reference/Attachment:

- *Municipal Project Status, March 2024*

6. PFAS Discussion

-

Reference/Attachment:

- *N/A*

7. Other

- Legislative Update: Ms. Dinne reviewed proposed bills related to water resources or environment in which the municipalities may be interested. She provided a table listing the bills, a link to the bill on the Maryland General Assembly website, and current status. Many of the bills are no longer moving forward at this point.
- April WRCC Meeting: The next meeting will be held on April 24, 2024. The guest speaker will be Dylan Orr from Maryland Department of Natural Resources (DNR). He will present on DNR’s various tree programs. If any members have questions ahead of time, Ms. Dinne will share them with Mr. Orr beforehand.
- Water Conservation Public Outreach Piece: The Environmental Advisory Council (EAC) is working on a public outreach piece for water conservation. The municipalities are providing Ms. Dinne with information related to any voluntary and/or mandatory water restrictions they

implement related to drought. She provided a draft copy for them to review and provide any corrections or additions.

- **NPDES MS4 Requirements:**

- *Good Housekeeping and Salt Management Plans:* Mr. Edwards and Mr. Masser are in the process of meeting with each municipality to review good housekeeping plan and salt management requirements including salt management plan development needed per our NPDES permit. Garrett Tucker, Resource Management's new Water Resource Technician, may also be attending some of these meetings to review sanitary sewer improvements that may be credited toward restoration.
- *IDDE Screenings:* These screenings are about 93 percent complete. Visual Surveys are 75%. IDDE Illicit Discharge reported incidents are up from the previous year.
- *Public Education for Businesses:* Mr. Edwards and Mr. Masser have brochures available for public outreach to businesses – general, auto-related, and food industry. Copies can be provided for events or if municipal staff want to reach out to individual businesses, as Hampstead has done recently.

- **MDE Proposed Stormwater Regulations:** As part of MDE's A-StoRM effort, MDE is updating the State stormwater regulations. MDE's Stakeholder Consulting Group will be meeting on April 10 to discuss the draft regulations that were sent to them. Following that meeting, Mr. Heyn will draft a comment letter. The draft comments will be shared with the municipalities for feedback prior to sending. Comments are due to MDE by May 7, 2024.

- **Carroll County Master Plan Update:** No details are available yet regarding the Master Plan update process. Ms. Daly anticipates the process will begin this summer and will include coordination with each municipality.

- **Comprehensive Planning Representative:** Ms. Daly introduced Andrew Gray, who replaces Hannah Weber as the Comprehensive Planning representative attending the WRCC meetings.

- **Water & Sewer Master Plan Spring Amendments:** Mr. Gray shared information on the areas where amendments to the Water & Sewer Master Plan will be processed this spring. They included areas in Hampstead, Westminster, Mount Airy, and Freedom. Each Planning Commission will need to certify that the amendments are consistent with the Master Plan/comprehensive plan for that jurisdiction.

- **Lead & Copper Rule:** MDE updated the spreadsheet again. If it was started in a previous version, it will need to be moved into the new version. Inventories are due in October 2024.

- **Storm Drain Maps:** Mr. Masser encouraged the municipalities to return the marked-up maps so the data can be updated.

- **Spring Outreach Events:** Mr. Masser indicated that Resource Management staff will participate in the Earth Day event on April 20 at Bear Branch. He will share flyers on the upcoming rain barrel and compost bin sale and the household hazardous waste event.

Reference/Attachment:

- *WRCC Legislative Update: 2024 General Assembly Proposed Water/Environmental Resource Legislation, March 27, 2024*

8. Adjournment

The meeting adjourned at 4:11 PM.

MEETING ADJOURNMENT: Motion was made by Jim Wieprecht and seconded by Mayor Perry Jones to adjourn the March 27, 2024, meeting. Motion carried.

Upcoming Meetings:

- ☐ *Regular Monthly Meeting – Wednesday, April 24, 2024*

FEMA, The National Flood Insurance Program, and The Community Rating System



Patrick Varga, CFM - Environmental Review Supervisor and Floodplain Management/GIS Specialist

Congressional Act of 1803

The first legislative act of federal disaster relief in U.S. history followed a devastating fire in Portsmouth, New Hampshire in December 1802. The destruction of large areas of the city's seaport threatened commerce in the newly founded nation. In 1803, U.S. Congress provided relief to affected Portsmouth merchants by suspending bond payments for several months.

Creation of FEMA

President Carter signed Executive Order 12127, effective April 1, 1979, establishing FEMA. Shortly after, in signing Executive Order 12148 on July 20, 1979, President Carter gave the agency the dual mission of emergency management and civil defense.



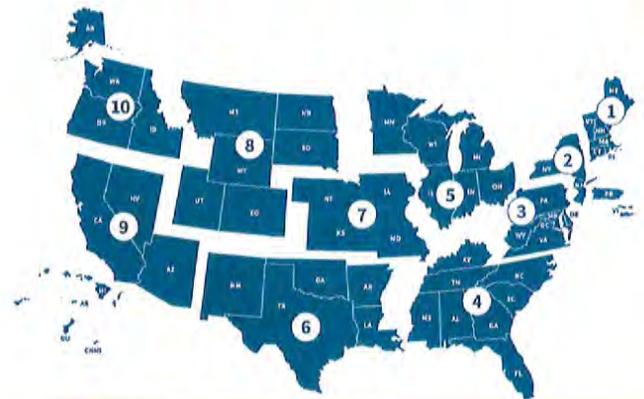
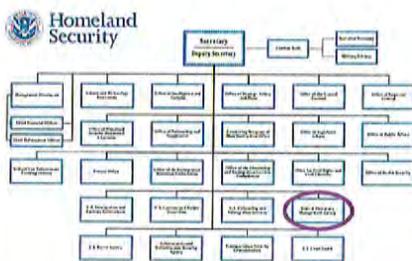
Photo - Dory Haddock

The Stafford Act

The agency's authorities were further defined and expanded by the Disaster Relief and Emergency Assistance Amendments of 1988, which amended the Disaster Relief Act of 1974 and renamed it the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act). The Stafford Act provided clear direction for emergency management and established the current statutory framework for disaster response and recovery through presidential disaster declarations.

Department of Homeland Security

The terrorist attacks of September 11, 2001 changed the face of homeland security and emergency management and drove major statute and policy changes to reorganize the federal government. In 2002, President W. Bush signed the Homeland Security Act, leading to the creation of the U.S. Department of Homeland Security (DHS). The department was created on March 1, 2003 and united FEMA and 21 other organizations.



Early American Floodplain Policy

- 1849 - The Swamp Land Acts of 1849 and 1850 transfer swamp and overflow land from federal control to most state governments along the lower Mississippi River on the condition that the states use revenue from the land sales to build levees and drainage channels. The Acts require no federal funds.
- 1861 - In a Report upon the Physics and Hydraulics of the Mississippi River, Captain Andrew A. Humphreys, Corps of Topographical Engineers, and Lieutenant Henry L. Abbott support the completion of the existing levee system and exclude alternative flood controls, partly for economic reasons. The emphasis on levees represents the primary focus of U.S. policy on flood control well into the 20th century.
- 1866 - Captain Humphreys becomes Chief of Engineers of the U.S. Army and labors to quash opposition to the "levees-only" policy he advocates.



F.H. Schell

Early American Floodplain Policy

- 1927 - The Great Mississippi River Flood shows the limits of Humphreys' "levees only" policy. The death toll is 246 but may have reached 500, more than 700,000 people are homeless, 150 Red Cross camps care for more than 325,000 refugees, and property damage exceeds \$236 million. Nearly 27,000 square miles / 13 million acres of land are flooded.
- 1929 - The private insurance industry abandons the coverage of flood losses.



Gilbert White – Father of modern floodplain management

- After another Mississippi flood of 1937, Dr. Gilbert White writes (1942), "Human Adjustments to Floods"
- "[Development should be]...an integration of engineering, geographic, economic, and related techniques."
- "Floods are an act of God, but flood losses are largely an act of man"
- "The solutions [should include]... a combination of **all eight types of adjustments**, judiciously selected with a view to the most effective use of floodplains."

"Human Adjustments to Floods"

- The following eight adjustment factors in White's
- 1. Elevation of land
- 2. Flood Abatement (**Watershed management approaches**)
- 3. Flood Protection (**Structural flood control**)
- 4. Emergency Measures
- 5. Structural Adjustments (**building and infrastructure**)
- 6. Land Use
- 7. Public Relief
- 8. Insurance

The National Flood Insurance Act of 1968 launches the NFIP with two primary goals:

- Reducing future flood damage
- Protecting property owners.



Goals of NFIP

- Emphasize less costly, non-structural flood control methods
- Shift costly burden to landowners in Floodplain rather than all taxpayers
- Provide landowners affordable flood insurance coverage not available in the private market
- Encourage community participation



Hot to achieve goals

- Reduce likelihood of building damage
- Prevent new developments from increasing flood risk
- Maintain and restore natural and beneficial functions of floodplains



Keys to success

- Effective enforcement of floodplain regulations
- Federally-backed flood insurance
- Accurate floodplain mapping



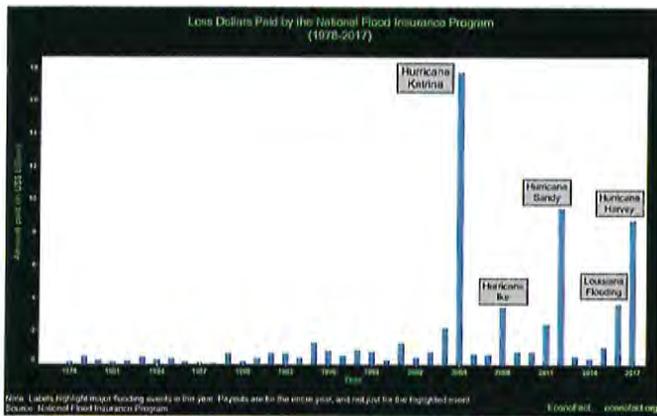
Milestones

- 1973 – Flood Disaster Protection Act
 - Prohibits Federal Agencies from aiding in construction projects for non-NFIP communities
 - Established the mandatory purchase requirement
- Dramatic increase in participation
 - 1973 – 2,200 Communities
 - 1977 – 15,000 Communities
 - 2023 – 22,594 Communities
- 1979 – NFIP becomes part of FEMA
- 1994 National Flood Insurance Reform Act
 - Decrease financial burden by increasing participation
 - Increased Maximum amount
 - Fines for lenders that do not require flood insurance
 - Established grant program for mitigation
 - Created **Community Rating System**



Milestones

- 2004 – Flood Insurance Reform Act
 - Eliminates incentives to rebuild on properties that repeatedly flood
 - Establishes flood insurance training for insurance professionals
- 2012 – Biggert-Waters Flood Insurance Reform Act
 - Introduces rate change to “increase the NFIP’s fiscal soundness”
 - Authorizes national mapping program
- 2014 – Homeowner Flood Insurance Affordability Act
 - Restores grandfathering and places limits on rate increase
- 2018 – Disaster Recovery Reform Act
 - Focused efforts to build a culture of preparedness
- 2021 – 2023 – Risk Rating 2.0
 - Insurance premiums based on proximity to flooding source, rather than just in or out.



Community Rating System

- The National Flood Insurance Program (NFIP) Community Rating System (CRS) was implemented as a voluntary program for recognizing and encouraging community floodplain management activities that exceed minimum NFIP standards. Any community fully compliant with NFIP floodplain management requirements may apply to join the CRS.



Community Rating System

- The CRS has 1,520 communities throughout the United States that participate in the program by implementing local mitigation, floodplain management, and outreach activities that exceed the minimum NFIP requirements. These CRS communities have over 3.6 million policyholders, accounting for more than 70% of all NFIP flood insurance policies.
- Under the CRS, flood insurance premium rates are discounted to reward community actions that meet the three goals of the CRS: (1) reduce flood damage to insurable property; (2) strengthen and support the insurance aspects of the NFIP; and (3) encourage a comprehensive approach to floodplain management.



Community Rating System

- The CRS uses a Class rating system that is similar to fire insurance rating to determine flood insurance premium reductions for residents. CRS Classes are rated from 10 to 1. As a community engages in additional mitigation activities, its residents become eligible for increased NFIP policy premium discounts. Each CRS Class improvement produces a 5% greater discount on flood insurance premiums for properties in the SFHA.



CRS Classes

- CRS Class changes occur on April 1 and October 1 of each year.
- Carroll Joined as a Class 8 in 2007, upgraded to Class 7 in 2018, Class 6 in 2023, Class 5 in 2024
- A community accrues points to improve its CRS Class rating and receive increasingly higher discounts. Points are awarded for engaging in any of 19 creditable activities, organized under four categories: **(1) Public Information, (2) Mapping and Regulations, (3) Flood Damage Reduction, and (4) Warning and Response.**

Public Information

- **Activity 310 (Elevation Certificates)** Maintaining construction certificates and making them available to the public
- **Activity 320 (Map Information Service)** Providing Flood Insurance Rate Maps (FIRMS) and other map information, and publicizing that service.

Date	Face	Event/Location/Address	Flood	Date	Insurance, Purchase, Reimbursement, Deduction	ELMA, Deduction	Benefit, Standing, %	Event, Location	Benefit, Location, Deduction/Warning	Comments
10/1/2023	T	10 River Main Street	20180100	AD	Y	Y	-6	F	recreation operation	Temporary sign for placed on property
10/1/2023	T	3017 River - Main Street	20180000	N/A	N	N	7/6	N	Vehicle repair shop proposed	Client concern regarding proposed FEMA flood
11/01/2023	T	2017 May Main Street	20180200	N/A	N	Y	-3	N	Color placation gate with flood sign	Gate must be removed - released Oct 1st (Friday) 10/20/23

Public Information

- **Activity 330 (Outreach Projects)** Providing information to the public
 - <https://www.youtube.com/watch?v=17ixNzURekA>
- **Activity 340 (Hazard Disclosure)** Real estate agents' advising potential purchasers of floodprone property about the flood hazard, and local regulations requiring disclosure of the hazard



Public Information

- **Activity 350 (Flood Protection Information)** Maintaining a community public library and/or website that contains flood-related information
- **Activity 360 (Flood Protection Assistance)** Advising property owners and renters about how to protect buildings from flooding and publicizing that service



[Link](#)

Public Information

- **Activity 360 (Flood Protection Assistance)** Advising property owners and renters about how to protect buildings from flooding and publicizing that service
- **Activity 370 (Flood Insurance Promotion)** Assessing flood insurance coverage in the community and implementing a plan to promote flood insurance

Mapping and Regulations

- **Activity 410 (Floodplain Mapping)** — Developing regulatory maps for areas not mapped by FEMA or flood mapping based on future conditions, detailed topography, or other standards
- **Activity 420 (Open Space Preservation)** Keeping floodprone land free of development
- **Activity 430 (Higher Regulatory Standards)** Regulations that exceed the NFIP's minimum criteria for floodplain management



Mapping and Regulations

- **Activity 440 (Flood Data Maintenance)** Gathering and/or maintaining more accessible, useful, and/or accurate floodplain data for regulation, insurance rating, hazard disclosure, and property appraisals
- **Activity 450 (Stormwater Management)** Watershed planning and regulations that prevent future development from increasing flood hazards or diminishing water quality

Flood Damage Reduction

- **Activity 510 (Floodplain Management Planning)** Adoption of flood hazard mitigation and/or natural functions plans using the CRS planning process, and/or conducting repetitive loss area analyses
- **Activity 520 (Acquisition and Relocation)** Acquiring insurable buildings and relocating them out of the floodplain, and leaving the property as open space



Flood Damage Reduction

- **Activity 530 (Flood Protection)** Protecting buildings from flood damage by floodproofing, elevation, or minor structural projects
- **Activity 540 (Drainage System Maintenance)** Annual inspections of channels and retention basins, and maintenance of the drainage system's flood-carrying and storage capacity

Flood Warning and Response

- **Activity 610 (Flood Warning and Response)** Timely warning of flood threats and coordinating flood response activities.
- **Activity 620 (Levees)** Annual levee inspection programs and plans to respond to floods caused by levee failure
- **Activity 630 (Dams)** State dam safety programs and plans to respond to flooding caused by dam failure.



	Previous Score	Modified Score	Current Credit		Activity Total
c310	38	c310	c310	38	38
c320	90	c320	c320	90	90
c330	136	c330	c330	136	136
c340	18	c340	c340	18	18
c350	74	c350	c350	74	74
c360		c360	c360		
c370		c370	c370		
c410	18	c410	c410	18	17
c420	571	c420	c420	571 x CGA 1.06	605
c430	1174	c430	c430	1174 x CGA 1.06	1244
c440	136	c440	c440	136 x CGA 1.06	144
c450	50	c450	c450	50 x CGA 1.06	53
c510		c510	117	c510	117
c520	12	c520	c520	12	12
c530		c530	c530		
c540		c540	c540		
c610		c610	c610		
c620		c620	c620		
c630	45	c630	c630	45	45
					2593

CRS Benefits

Lower-cost flood insurance rates are only one of the rewards a community receives from participating in the CRS. Here are some other benefits:

- Citizens and property owners in CRS communities have increased opportunities to learn about risk, evaluate their individual vulnerabilities, and take action to protect themselves, as well as their homes and businesses.
- CRS floodplain management activities provide enhanced public safety, reduced damage to property and public infrastructure, and avoidance of economic disruption and loss.
- Communities can evaluate their flood programs against a nationally recognized benchmark.
- Technical assistance in carrying out some activities is available to community officials at no charge.
- CRS communities have incentives to maintain and improve their flood programs over time.

CRS Training

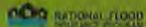
- CRS Specialists are available to assist community officials in applying to the program and in designing, implementing, and documenting the activities that earn even greater premium discounts. A week-long CRS course for local officials is offered free at FEMA's Emergency Management Institute (EMI) on the National Emergency Training Center campus in Emmitsburg, Maryland, and can be field deployed in interested states. A series of webinars is offered throughout the year.



CRS Verification

- Each year, the community must verify that it is continuing to perform the activities that are being credited by the CRS by submitting an annual recertification. In addition, a community can continue to improve its CRS Class rating by undertaking new mitigation and floodplain management activities that earn even more points.
- A community's activities and performance are reviewed during a verification visit. FEMA establishes the credit to be granted and notifies the community, the State, insurance companies, and other appropriate parties.
- Verifications are every five years, or three years for communities with larger premium totals or larger discounts.

FEMA, The National Flood Insurance Program, and The Community Rating System



MUNICIPAL STORMWATER PROJECT STATUS

March 27, 2024

FUTURE PROJECTS:

Michael's Property (Hampstead) – Project is on hold until Town has obtained approval from property owners to move forward.

Hampstead Valley 2/3 (Hampstead) – Hampstead Valley facilities 2 and 3 will be retrofit as a stream restoration project to decommission Sycamore Drive as a roadway embankment. The design will include a stream restoration beginning immediately downstream of the proposed Hampstead Valley 1 facility and continue to Sycamore Drive.

CONCEPT DESIGN:

Hampstead Valley 1 (Hampstead) – Retrofit of existing detention basin to a surface sand filter. Site is located just south of Lower Beckleysville Road near a production well. Comments were returned to CLSI, the County is currently looking into how this project would impact a project at Hampstead Valley 2/3.

Manchester East (Manchester) – CLSI is working on the concept design of a new stormwater facility north of Manchester Valley High School, adjacent to the pump station. CLSI submitted a concept plan February 16th, this project should be reviewed soon.

Meadow Ridge Basin 2 (Westminster) – Retrofit of existing facility to provide water quality through a surface sand filter. This site is adjacent to the pump station at the edge of the City limits. The RFP was emailed out to the five County Engineering term contractors, two proposals were received. Century was the lowest responsive bidder.

New Windsor Wetland (New Windsor) - A new wetland facility is proposed adjacent to the Maryland Midland Railroad tracks and Dickenson Run. The proposed improvements include removing the existing inlet adjacent to the intersection of Water St and Church St, replacing it with a diversion structure that will route the 1-year storm discharges to the proposed wetland facility. A concept plan was submitted on February 16th, it is currently being reviewed by staff.

Public Safety Training Center (Westminster Well)- A retrofit for the Public Safety Training Center pond is in progress for the facility design and PFAS remediation. WRA is finalizing the concept

plan for the surface sand filter. We are continuing to work with Building Construction to coordinate design efforts for erosion and sediment control a meeting is scheduled for March 26th to discuss how construction plans will be developed to move this design forward.

PRELIMINARY DESIGN:

Hampstead Valley 4 (Hampstead) – A new surface sand filter and stream restoration project is proposed between Century Street and Downhill Trail. Culverts at Downhill Trail require realignment into the HOA parcel for dam breach approval. Soil borings were completed by KCI, the report was submitted to be reviewed by Stormwater Management. CLSI is moving forward with final plan design.

Roberts Field Wet Facility (Hampstead) – Retrofit of wet pond to new hybrid wet pond/submerged gravel wetland. The recent concept submittal was approved with comments from the Town and Stormwater Management. Wallace Montgomery & Associates (WMA) is working on the preliminary plans. A revised grading plan was provided this month to be submitted with the grant application to DNR Grants Gateway. Soil borings were completed by Kleinfelder, we are currently waiting for the report. A plan was submitted for review on March 12th.

FINAL DESIGN:

CONSTRUCTION:

PLANNING PROJECTS:

Little Pipe Creek Restoration Opportunities –CWP has developed a spreadsheet to prioritize projects and has identified five potential projects. The County plans to submit an application to NFWF for technical assistance to complete a design on one of the projects identified within the City of Westminster.

TREE PLANTING PROJECTS:

All the municipal plantings have completed their maintenance period and are now the responsibility of the municipalities. Please make sure that these areas are being mowed at least three (3) times per season.



WRCC Legislative Update



2024 General Assembly Proposed Water/Environmental Resource Legislation

Status: As of March 28, 2024

Bill + Description	Status + Position
<p>SB 96/HB 24 ENVIRONMENT - IMPACT OF ENVIRONMENTAL PERMITS AND STATE AGENCY ACTIONS Requiring the Department of the Environment to conduct a climate and environmental equity evaluation regarding the impact of issuing an approval for certain environmental permits; requiring the Department to provide opportunities for residents of the State to opt in to text, phone, e-mail, or regular mail notifications regarding any facility with a pending or final permit approval in or adjacent to the resident's census tract; altering certain reporting requirements for certain State agencies; etc.</p> <p>Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0096F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0024T.pdf 	<ul style="list-style-type: none"> ➤ Status: <ul style="list-style-type: none"> ◆ SB: Hearing 3/5 ◆ HB: Passed House w/ Amendments; Senate hearing TBD ➤ Positions: <ul style="list-style-type: none"> ◆ MML: Not tracking ◆ MACO: No position/Letter of Information ◆ LRM Position: No action ➤ Other: Introduced in 2023 Regular Session as: SB0743 / HB0840
<p>SB 274/HB 17 CHARTER COUNTIES - COMPREHENSIVE PLANS - AFFIRMATIVELY FURTHERING FAIR HOUSING Altering requirements for the housing element of a charter county's comprehensive plan to include requirements related to affirmatively furthering fair housing; requiring the housing element of a comprehensive plan that is enacted or amended on or after January 1, 2025, to include an assessment of fair housing to ensure that the county is affirmatively furthering fair housing; etc.</p> <p><i>*Bill imposes a local government mandate, which is a directive in a bill requiring a local government unit to perform a task or assume a responsibility that has a discernible fiscal impact on the local government unit.</i></p> <p>Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0274T.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0017T.pdf 	<ul style="list-style-type: none"> ➤ Status: <ul style="list-style-type: none"> ◆ SB: Passed Senate; House hearing 3/26 ◆ HB: Passed House; Senate hearing TBD ➤ Positions: <ul style="list-style-type: none"> ◆ MML: Not tracking ◆ MACO: Not tracking ◆ LRM Position: No action ➤ Other: requested by MDP

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MOVING FORWARD 🏃

Bill + Description	Status + Position
<p>SB 356/HB 3 LAND USE - EXPEDITED DEVELOPMENT REVIEW PROCESSES FOR AFFORDABLE HOUSING - REQUIREMENTS Requiring local jurisdictions to establish and implement an expedited development review process for certain proposed affordable housing developments; applying the process to a charitable organization seeking to develop affordable housing on its own land and a public housing authority proposing to develop affordable housing on land owned by a charity or a government entity; and establishing a good-faith waiver for local jurisdictions that cannot implement an expedited development review process. <i>*Bill imposes a local government mandate, which is a directive in a bill requiring a local government unit to perform a task or assume a responsibility that has a discernible fiscal impact on the local government unit.</i></p> <p>Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0356F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0003F.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: Hearing 2/1 ♦ HB: Hearing 1/30 <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Support w Amendments ♦ MACO: Support w Amendments ♦ LRM Position: No action <p>➤ Other: Introduced in 2023 Regular Session as: SB0903</p>
<p>SB 484/HB 538 LAND USE – AFFORDABLE HOUSING – ZONING DENSITY AND PERMITTING (HOUSING EXPANSION AND AFFORDABILITY ACT OF 2024) Prohibiting a local legislative body from prohibiting the placement of a certain manufactured home in certain residential zoning districts under certain circumstances; prohibiting a local jurisdiction from using an element of an adequate public facilities law to deny certain permits for certain State–funded affordable housing projects or other qualified projects or to restrict or limit the development of the projects in a certain manner; etc.</p> <p>Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0484F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0538F.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: Hearing 3/1 ♦ HB: Hearing 2/20 <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Support w Amendments ♦ MACO: Support w Amendments ♦ LRM Position: No action <p>➤ Other: requested by Administration</p>
<p>HB 516 CLIMATE CRISIS AND ENVIRONMENTAL JUSTICE ACT OF 2024 Description: Establishing the Climate Crisis Initiative in the Department of the Environment to provide for the assessment of greenhouse gas pollution fees, the provision of certain benefits to households and employers, and the funding of certain climate–related activities; providing for the collection and use of certain greenhouse gas pollution fees; establishing the Household and Employer Benefit Fund and the Climate Crisis Infrastructure Fund as special, nonlapsing funds; etc.</p> <ul style="list-style-type: none"> • Bill: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0516F.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: n/a ♦ HB: Hearing 2/29 (EM) <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Not tracking ♦ MACO: Not tracking ♦ LRM Position: n/a <p>➤ Other: Introduced in 2023 Regular Session as: HB0171</p>

Bill + Description	Status + Position
<p>SB 572 ENVIRONMENT – COLLECTION AND REPORTING OF DRINKING WATER AND WASTEWATER DOCUMENTS, DATA, AND INFORMATION – REQUIREMENTS Description: Requiring a water utility operating in the State to post on its website or provide to the Department of the Environment documents, data, and information required as part of the water utility’s annual water quality consumer confidence report; requiring a certain local government to provide or post on its website certain data and information to a certain water utility; prohibiting the Department from imposing more than a certain amount in fines on certain water utilities for each reporting year; etc. Bill: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0572F.pdf</p>	<p>➤ Status:</p> <ul style="list-style-type: none"> ◆ SB: Hearing 2/6 ◆ HB: n/a <p>➤ Positions:</p> <ul style="list-style-type: none"> ◆ MML: Support w Amendments ◆ MACO: Support w Amendments ◆ LRM Position: n/a
<p>SB 710 WATER UTILITIES SHUTOFF PROTECTIONS Description: Authorizing a certain water utility to temporarily shut off service for reasons of health or safety or in a State or national emergency, notwithstanding certain provisions of law; prohibiting a water utility from shutting off service for certain reasons; prohibiting a water utility from shutting off service on receipt of certain information; and prohibiting the sale of property solely to enforce a lien imposed for unpaid water, sewer, or sanitary system charges, fees, or assessments except in certain circumstances. Bill: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0710F.pdf</p>	<p>➤ Status:</p> <ul style="list-style-type: none"> ◆ SB: Hearing 2/29 ◆ HB: n/a <p>➤ Positions:</p> <ul style="list-style-type: none"> ◆ MML: Watch ◆ MACO: Not tracking (as of 2/28) ◆ LRM Position: n/a <p>➤ Other: Introduced in 2023 Regular Session as: SB0883</p>
<p>SB 726/HB 1478 BAY RESTORATION FUND – AUTHORIZED USES – DECOMMISSION OF WASTEWATER TREATMENT LAGOON Description: Altering the authorized uses of the Bay Restoration Fund to include, beginning in fiscal year 2026, 100% of certain costs related to the decommissioning of certain wastewater treatment lagoons. Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0726F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1478F.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ◆ SB: Hearing 2/20 ◆ HB: Hearing not yet scheduled (Rules) <p>➤ Positions:</p> <ul style="list-style-type: none"> ◆ MML: Support ◆ MACO: Support ◆ LRM Position: n/a

Bill + Description	Status + Position
<p>SB 835/HB 992 ENVIRONMENT – DELEGATED AUTHORITIES – WELL AND SEPTIC PROGRAM PERMITS Description: Requiring a local health department or county government with certain delegated authority to submit, on or before a certain date, a schedule of review times for certain well and septic program permits to the Department of the Environment for approval; requiring a local health department or county government to submit well and septic program permit data to the Department for review at a certain frequency under certain circumstances; and generally relating to local health 9 departments or county governments and well and septic program permits. Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0835T.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0992T.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: Passed Senate w/ Amendments; House hearing 3/27 ♦ HB: Passed House; Senate hearing TBD <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Not tracking ♦ MACO: Not tracking ♦ LRM Position: n/a
<p>HB 908 ENVIRONMENT – SUPPLIERS OF WATER – NOTIFICATION REQUIREMENTS Description: Altering certain notice requirements that a supplier of water must give to the Department of the Environment and certain individuals and entities under certain circumstances; requiring a supplier of water to give notice to the Department of the Environment and the Maryland Department of Emergency Management if there is a positive test for E. coli in the system and immediately begin certain preparations; requiring each community water system to ensure that certain testing is performed on water provided by the system; etc. Bill: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0908F.pdf</p>	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: n/a ♦ HB: <i>withdrawn by sponsor</i> <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Not tracking ♦ MACO: No position/Letter of Information ♦ LRM Position: n/a
<p>SB 956/HB 1153 ENVIRONMENT – WATER POLLUTION CONTROL – PROTECTING STATE WATERS FROM PFAS POLLUTION (PROTECTING STATE WATERS FROM PFAS POLLUTION ACT) Description: Establishing the discharge limit for PFAS chemicals in any water, including stormwater, discharged from a significant industrial user to be 4 parts per trillion; requiring a significant industrial user to reduce PFAS chemicals from the water it discharges to a publicly owned treatment works in a certain manner; requiring a significant industrial user to store, reuse, and dispose of certain PFAS chemicals in a certain manner; etc. Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0956F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1153T.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: Hearing 2/20 ♦ HB: Passed House w/ Amendments; Senate hearing TBD <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Watch ♦ MACO: Support w Amendments ♦ LRM Position: No action

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MOVING FORWARD 🗳️

Bill + Description	Status + Position
<p>SB 969/HB 1165 STREAM AND WATERSHED RESTORATION – STREAM RESTORATION CONTRACTOR LICENSING AND CHESAPEAKE AND ATLANTIC COASTAL BAYS RESTORATION AND FUNDING (WHOLE WATERSHED ACT) Description: Establishing the Stream Restoration Contractors Licensing Board; requiring a person to be licensed as a stream restoration contractor or be employed by an individual or entity that is licensed as a stream restoration contractor before the person performs or solicits to perform stream restoration contractor services in the State, subject to a certain exception; requiring the Department of the Environment to provide notice of a certain violation to a stream restoration contractor; etc. Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb0969T.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1165T.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: Passed Senate w/ amendments; 2nd Reading Passed House w/ amendments ♦ HB: Passed House w/ amendments; Senate hearing TBD <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Not tracking ♦ MACO: Support w Amendments <p>➤ LRM Position: Oppose</p> <p>➤ Note: 2 other stream restoration bills (SB 798; HB 1284) were also introduced, but this one is the one that is likely to pass.</p>
<p>HB 1055 ENVIRONMENT – HIGHWAYS – SALT APPLICATION Description: Requiring each State agency, county, and municipality to maintain certain records of its highway salt application and submit to the Department of the Environment by a certain date each year a report on its highway salt application for the previous winter season; and generally relating to highway salt application. Bill: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1055T.pdf</p>	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: n/a ♦ HB: Passed House w/ amendments; Senate hearing 3/26 <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Oppose ♦ MACO: Support w Amendments <p>➤ LRM Position: Oppose</p>
<p>SB 1074/HB 991 AGRICULTURE – FOOD PROCESSING RESIDUALS UTILIZATION PERMIT - ESTABLISHMENT ENVIRONMENT – INDUSTRIAL SLUDGE UTILIZATION PERMIT – ESTABLISHMENT Description: Establishing an industrial sludge utilization permit; prohibiting a person from utilizing industrial sludge in the State unless the person obtains a permit; requiring the Department of the Environment to provide certain notices and information to certain persons; applying certain provisions of law regarding public notice and participation to industrial sludge utilization permits; authorizing a representative of the Department to enter and inspect any site where industrial sludge is utilized; and generally relating to industrial sludge utilization permits. Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb1074T.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb0991T.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ♦ SB: Passed Senate w/ Amendments; House hearing 3/27 ♦ HB: Passed House w/ Amendments; Senate hearing TBD <p>➤ Positions:</p> <ul style="list-style-type: none"> ♦ MML: Not tracking ♦ MACO: Support w Amendments <p>➤ LRM Position: BCC Support; PLM request clarification</p> <p>➤ Note: Sponsors include Carroll delegation members Ready, West, Bouchat, Rose, & Tomlinson</p>

Bill + Description	Status + Position
<p>SB 1173/HB 1512 BAY RESTORATION FUND – USE OF FUNDS – MUNICIPAL WASTEWATER FACILITIES – SUNSET REPEAL Description: Repealing the termination date for certain provisions of law that expand the authorized uses of the Bay Restoration Fund to include certain costs associated with the connection of a property using an on-site sewage disposal system to a certain existing municipal wastewater facility. Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb1174F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1512T.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ◆ SB: Hearing not yet scheduled (Rules) ◆ HB: Passed House w/ Amendments; Senate hearing 4/2 <p>➤ Positions:</p> <ul style="list-style-type: none"> ◆ MML: Support ◆ MACO: Support ◆ LRM Position: Support; no action
<p>SB 1174/HB 1509 BALTIMORE REGIONAL WATER AUTHORITY GOVERNANCE WORKGROUP – ESTABLISHED Description: Establishing the Baltimore Regional Water Governance Model Workgroup to study the regional water governance approach in the Baltimore region; and requiring the Workgroup to report, on or before June 30, 2027, its findings to the Mayor of Baltimore City, the County Executive of Baltimore County, the Governor, and the General Assembly. Bills:</p> <ul style="list-style-type: none"> • SB: https://mgaleg.maryland.gov/2024RS/bills/sb/sb1174F.pdf • HB: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1509F.pdf 	<p>➤ Status:</p> <ul style="list-style-type: none"> ◆ SB: Hearing not yet scheduled (Rules) ◆ HB: Hearing 3/12 <p>➤ Positions:</p> <ul style="list-style-type: none"> ◆ MML: Not tracking ◆ MACO: Not tracking ◆ LRM Position: Oppose
<p>HB 1511 FOREST CONSERVATION ACT – MODIFICATIONS Description: Requiring the Department of Natural Resources to update a certain model local government ordinance and adopt certain regulations relating to forest conservation on or before July 1, 2025, and July 1, 2026, respectively; delaying the dates on which certain provisions of the Forest Conservation Act will apply to certain solarvoltaic facilities and forest conservation plans; and delaying the effective date of certain provisions of the Forest Conservation Act. Bill: https://mgaleg.maryland.gov/2024RS/bills/hb/hb1511T.pdf</p>	<p>➤ Status:</p> <ul style="list-style-type: none"> ◆ SB: n/a ◆ HB: Passed House w/ Amendments; Senate hearing 3/26 <p>➤ Positions:</p> <ul style="list-style-type: none"> ◆ MML: Not tracking ◆ MACO: Support ◆ LRM Position: Support

Carroll County Water Resource Coordination Council

Hampstead * Manchester * Mt. Airy * New Windsor
Carroll County Health Department



* Sykesville * Taneytown * Union Bridge * Westminster
Carroll County Government

WRCC Meeting Summary April 24, 2024

Attendees:

Municipalities:

- Kevin Hann, Chair, Hampstead
- Jim Wieprecht, Vice Chair, Taneytown
- Gary Dye, New Windsor
- Delbert Green, Manchester
- Mayor Perry Jones, Union Bridge
- Rodney Kuhns, Manchester
- Alex Perricone, Manchester
- Mike Rawlings, Westminster
- Kevin Rubenstein, Sykesville
- Kevin Smeak, Taneytown
- Steve Strawsburg, Westminster
- Vance Summerhill, Westminster
- Dick Swanson, Mount Airy
- Zach Amoss, Westminster

CC PLM:

- Daphne Daly
- Brenda Dinne
- Glenn Edwards
- Andrew Gray
- Chris Heyn, Director
- Claire Hirt
- Byron Madigan
- Kelly Martin
- Mitch Masser
- Denise Mathias
- Zach Neal
- Janet O'Meara
- Pat Varga

Health Department:

- Richard Brace

CCG Others:

- Andy Watcher, CC DPW
- Bryan Bokey, CC DPW
- Lydia Rogers, CC M&B

Guest Speakers:

- Dylan Orr, DNR

1. Opening Statement

Chair – Kevin Hann

Mr. Hann opened the meeting at 2:30 PM.

Vice Chair – Jim Wieprecht

None.

2. Approval of Meeting Summary – March 27, 2024

Approval of the March meeting summary was discussed. No changes were made.

APPROVAL OF MINUTES: Motion was made by Jim Wieprecht and seconded by Mayor Perry Jones to approve the March 27, 2024, meeting summary. Motion carried.

3. Maryland's 5 Million Trees Initiative – Dylan Orr, DNR (Maryland Forest Service)

- Dylan Orr with the Maryland Forest Service shared information about the State's 5 Million Trees (5MT) initiative. The program was established as part of the 2021 Tree Solutions Now Act (House Bill 991). The statewide goal is to plant 5 million trees by 2031. The 5 million is in addition to trees planted to meet mitigation requirements, which most likely includes trees planted to meet NPDES MS4 requirements. This program also cannot be used to meet Forest Conservation Act requirements. The tree planting at Wakefield Valley is an example of a project completed through this program.

- Mr. Orr described focus areas and Priority Zones. Urban, underserved areas are a higher priority. Hampstead and parts of Westminster are the primary areas in Carroll County that are considered underserved.
- After summarizing how the program works, he talked about various opportunities to fund tree planting. He also discussed priority species and maintenance. The State is striving to plant all native trees, with a focus on afforestation rather than reforestation.
- Mr. Orr discussed several ways to support the 5MT initiative besides just planting trees. More information can be found in his PowerPoint.

Reference/Attachment:

- *PowerPoint: Maryland Forest Service: 5 Million Trees Initiative (2021-2031)*

4. Water Resources Element (WRE 2024) Update – Brenda Dinne

- Hazen Tasks: Tasks 1, 2, 3, and 5 are complete. The final reports for Task 6 – Update 2010 WRE Supporting Documents – should all be complete in May. A revised Technical Memo for Task 4 – MDE TIPP Spreadsheet Comparison – is still expected as well. Task 7 was incorporated to other tasks and will not result in a separate technical memo.
- Plan Document: Update of the actual plan document is underway. Results of the 2021 status update have been incorporated to the strategies. Ms. Dinne anticipates meeting with each municipality and Bureau of Utilities to review the individual System-Specific sections.

Reference/Attachment:

- *N/A*

5. Municipal Stormwater Projects Update – Janet O’Meara

- Ms. O’Meara provided an update on the municipal stormwater restoration projects.

Reference/Attachment:

- *Municipal Project Status, April 2024*

6. PFAS Discussion

- EPA finalized the maximum control limit (MCL) for PFAS on April 10, 2024. EPA will also be adding PFAS to the CERCLA requirements to allow the agency to use it for enforcement to compel polluters to pay or clean up.
- EPA has webinars available on their website, as well as a guide on PFAS.

Reference/Attachment:

- *N/A*

7. Other

- MDE Proposed Stormwater Regulations: Mr. Heyn drafted a comment letter to Maryland Department of the Environment (MDE) regarding the proposed regulations that were released to the Stakeholder Consulting Group. The amount of stormwater to treat is a big issue, essentially doubling from 2.7 inches to 5.0 inches of rainfall. Drywells could not be used for housing lots under this proposal. No additional comments were offered. The letter will be sent on May 3.
- Solar: Currently, 4 solar developers have submitted CPCN applications for solar projects in Carroll County. If the Maryland Public Service Commission (PSC) issues a CPCN, it will override local zoning, but the project will still go through the County’s site plan review process.
- MLS (Multiple Listing Service) Application: Mr. Heyn shared information about a new app developed for the County to use to identify when properties are for sale that the County may be interested in purchasing. The intent is to avoid missing opportunities to purchase land that may be needed for projects such as planned major streets. The municipalities are welcome to share properties of interest to them to be tracked as well.

- Legislative Update: The 2024 legislative session wrapped up on April 10. Ms. Dinne reviewed the status of the bills of interest to the WRCC. Mr. Heyn provided an overview of County actions and status for several pertinent bills.
- Water Conservation Public Outreach Piece: The Environmental Advisory Council (EAC) developed a public outreach piece for water conservation. Each municipality received hardcopies to share. It is also available on the EAC's [Other EAC Publications & Topics](#) webpage.
- Stormwater Tour: MDE staff will be joining the WRCC for the stormwater tour on May 13, 2024, which will focus on sand filter facilities. This tour will take the place of the regular monthly meeting for May.
- Storm Drain Maps: Mr. Masser requested any remaining map updates to be turned in.

Reference/Attachment:

- *Draft Stormwater Regs Comment Letter: Carroll AStorm Stakeholder Comment_May032024 DRAFT*
- *WRCC Legislative Wrap-Up 2024: Final Status of General Assembly Proposed Water/Environmental Resource Legislation, April 24, 2024*
- *EAC's [Water Conservation Public Outreach](#) Publication*

8. Adjournment

The meeting adjourned at 4:04 PM.

MEETING ADJOURNMENT: Motion was made by Mayor Perry Jones and seconded by Alex Perricone to adjourn the April 24, 2024, meeting. Motion carried.

Upcoming Meetings:

- ☐ *Regular Monthly Meeting – Wednesday, June 26, 2024*



Maryland Forest Service: 5 Million Trees Initiative (2021-2031)

April 24, 2024

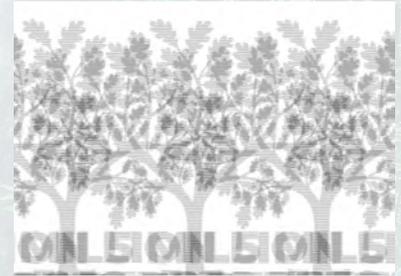


Why Plant Trees?

- Sequester carbon
- Counteract urban heat islands
- Reduce energy consumption
- Improve air and water quality
- Promote health
- Provide wildlife with food & habitat
- Strengthen communities



Overview



Statewide goal of planting 5 million trees by 2031

Established as part of the 2021 Tree Solutions Now Act (House Bill 991)

10%, or 500,000 trees must be planted in urban underserved areas

Expanded tree planting programs for Marylanders

What Can We Plant?

The 5MT Initiative will **ONLY** plant trees native to Maryland

5MT focuses on *afforestation* as opposed to *reforestation*

The 5MT Initiative will **NOT** fund legally mandated plantings

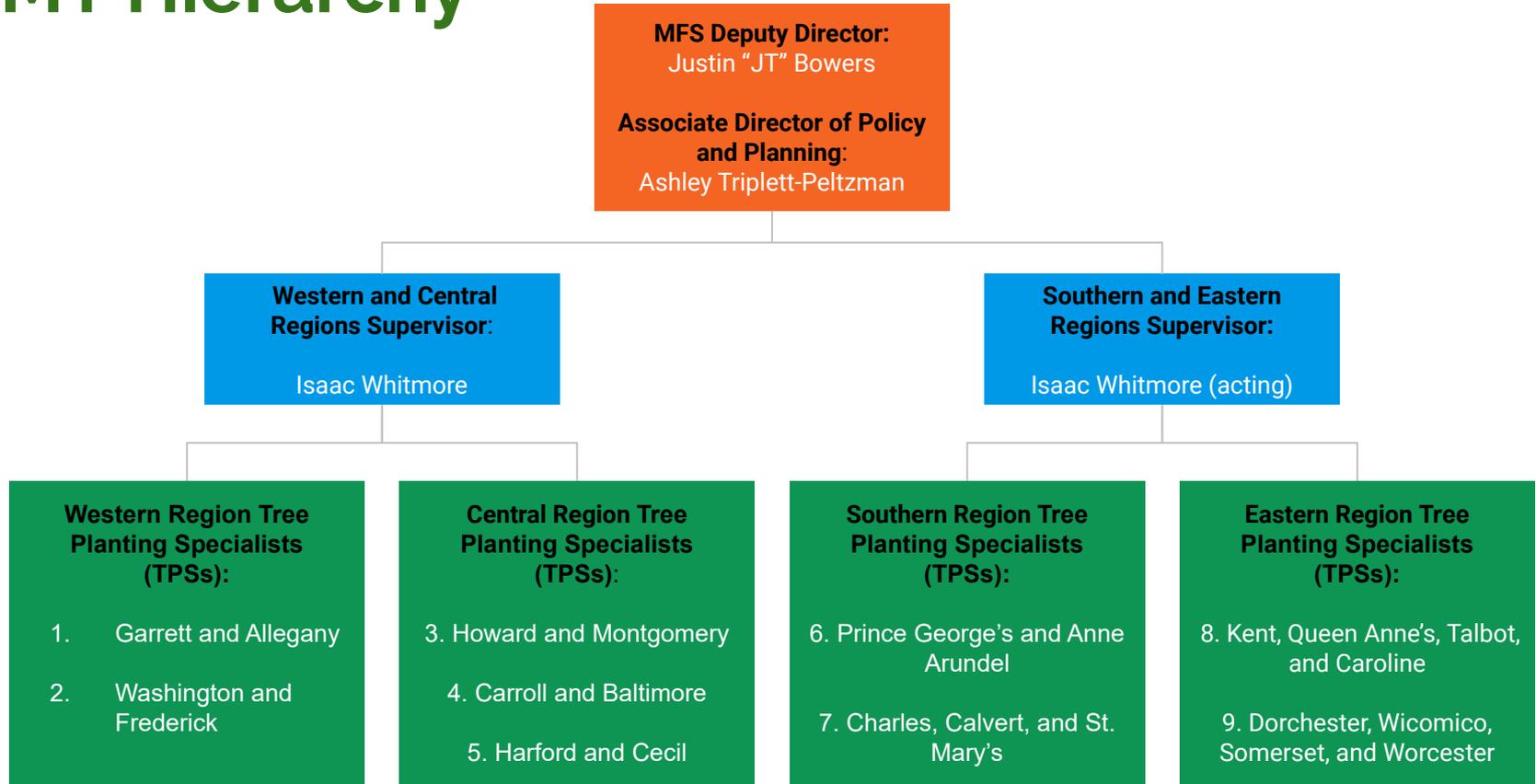
- Forest Conservation Act
- Reforestation Laws
- County & Municipal Regulations



Focus Areas

- Projects geared toward addressing **Tree Equity**: 10% (500,000) trees must be planted in urban underserved areas
- **Riparian Forest Buffers**, or trees along waterways
- Connecting fragmented forests & habitats

5MT Hierarchy



What is the Role of a 5MT Tree Planting Specialist (TPS)?



Outreach and Planning

- Table and present at events
- Connect residents with funding options
- Create planting maps and plans

Tree planting & Management

- Oversee plantings
- Ensure maintenance and survival
- Assist foresters

Seed collection

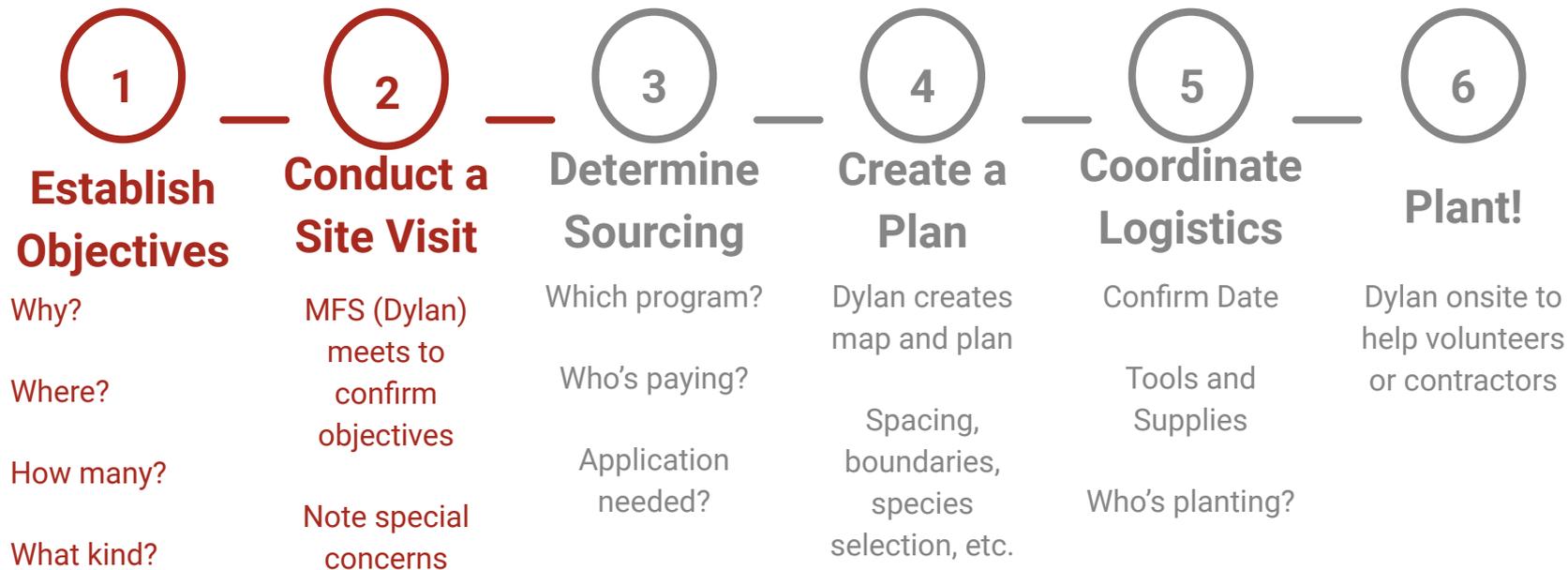
- Coordinate with tree owners and volunteers



General Steps for Any Planting

Red = steps driven by organization/landowner leads

Grey = steps driven by 5MT staff



Tree Planting

- **Smaller Scale** (usually <0.5 acres)
- **Volunteer-planted**
- **Great for small yards and shared spaces**
- **Containerized stock**
 - **Costlier**
 - **Better survival**
 - **Spring or fall**



Afforestation

- **Minimum 0.5 acres but no maximum!**
- **Contractor-planted**
- **Bareroot seedlings**
 - **Cheap**
 - **Faster/Easier to plant**
 - **Spring**



Tree Planting

- Tree-Mendous Program
 - Public land
 - \$25-50/unit
 - [Clear Ridge Nursery](#)

CLEAR RIDGE
NURSERY, INC.

Quality Native and Ornamental Plants Since 1994



Afforestation

- [John S. Ayton State Tree Nursery](#)
 - Millions of seedlings annually
 - \$0.20-\$3.00/unit
 - Primary cost: tree shelters



How will we Fund 5 Million Trees?

5MT will receive \$15 million annually, \$10 million of which goes to Chesapeake Bay Trust. Otherwise, planting projects will be funded through a variety of grants and programs:

Tree Planting Opportunities:

- [Tree-Mendous](#)
- [Marylanders Plant Trees](#)
- [Gift of Trees](#)
- [Backyard Buffers](#)
- [Maryland Urban and Community Forestry Committee \(MUCFC\) Grant Programs](#)
- [Chesapeake Bay Trust Urban Trees Grant](#)
- [MDOT Urban Tree Programs Grant](#)

Afforestation Opportunities:

- [Conservation Reserve Enhancement Program \(CREP\)](#)
- [Healthy Forests, Healthy Waters \(HFHW\)](#)
- [Woodland Incentive Program \(WIP\)](#)
- [Environmental Quality Incentives Program \(EQIP\)](#)
- [Conservation Stewardship Program \(CSP\)](#)

Hypothetical Tree Planting

Conditions:

- **Approximately 10 Trees**
- **Accessible area**
- **Memorial plaques**
- **Need additional labor/support**



Gift of Trees (GOT)

Eligibility:

- Public land
- Funding varies

Process:

- Confirm funding availability with MFS (Dylan)

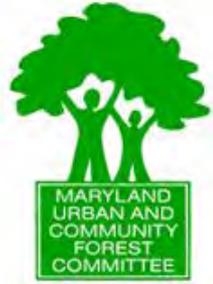
What this covers:

- Trees



At left: Boy Scout Lochlan Batson poses in front of his recently completed Eagle project on 11/11/23. Lochlan received 38 container trees at no cost that he and other scouts planted at Othello Park in Frederick County.

Maryland Urban and Community Forestry Committee (MUCFC)



Eligibility:

- Public land
- Organization as applicant
- Preference to urban underserved and first time applicants

Process:

- Application with budget, basic info, basic map, and basic maintenance
- Deadlines 2/15 and 7/15

What this covers:

- Up to \$1000 in plants, supplies, signage, transportation, labor, and/or maintenance

Maryland Department of Transportation (MDOT) Grant Program



Eligibility:

- Public or private land
- Organization as applicant
- Preference to urban underserved and first time applicants
- Within 1 mile of MDOT Project

Process:

- Application with budget, basic info, basic map, and basic maintenance
- Deadlines Feb. 15 and Jul. 15 annually

What this covers:

- Up to \$5000 in plants, supplies, signage, transportation, labor, and/or maintenance

Hypothetical Afforestation Project

Conditions:

- Private land
- Over 0.5 acres open land
- Want as many trees as possible



Healthy Forests Healthy Waters (HFHW)

Eligibility:

- At least 0.5 contiguous acres
- Willing to accept bareroot seedlings in shelters
- Agree not to remove trees for 15 years

Process:

- One-page agreement



What this covers:

- All planting costs
- Two years of mowing and spraying

Why do we need tree shelters?



At left: Fatal rodent damage to a baldcypress seedling at a CREP planting in Westminster, MD.



At right: Severe buck rub inflicted on a sapling behind the DNR Morgan Run field office in Westminster, MD.

Maintenance is Critical!

Bareroot:

- More susceptible
- Keep the shelter on...but not too long!
- Mow and spray at least twice annually



Container:

- Higher survival
- Water if needed
- Protect the trunk from deer and weedwhackers



BEYOND TREE PLANTING

There's more we can do to support the 5MT initiative than just plant trees!

- **Stewardship Programs:** leverage cost-share programs to improve the health of existing woodlands
- **Seed Collection:** plan a native tree seed collection event to get seeds for our state nursery.
- **Become Tree Stewards:** volunteer at tree planting sites and conduct health checks, perform shelter/stake maintenance, and more!
- **Invasive Plant Control:** Host an invasive plant removal event, teach the community about identification, prevention, and treatment

Forest Stewardship

How to care for your forested land, and which state programs can help

Step 1: Get a Forest Stewardship Plan (FSP)

Have your local forester compile a long-term management plan specifically for your forest!

A FSP makes landowners eligible for forest stewardship assistance programs

Forest Stewardship Programs

Cost Share Programs

WIP: Woodland Incentive Program

EQIP: Environmental Quality Incentive Program

Tax Incentive Program

WAP: Woodland Assessment Program



Native Tree & Shrub Seed Collection

To plant 5 million trees, we need to **GROW** 5 million trees!



- Fall seasonal activity
- Seeds are donated to the John S. Ayton State Tree Nursery
- **MAKE IT FUN!** Host a seed scavenger hunt, compete for who can collect the most seed by weight, play seed bingo, you name it.

I will work with you to help with seed collection volunteer events and arrange transporting seeds to our state nursery.

Priority Species



-Allegheny Serviceberry

-Eastern Redbud

-White Oak

-Chestnut Oak

-Wild American Plum

-Elderberry

- Best season to collect is the fall and late summer
- Leave some fruit/nuts for wildlife
- Don't let seed sit too long- it will spoil!

Become a Tree Steward!

Young trees need some TLC to survive & thrive, and **YOU** can help make a newly established forest as strong as possible!

Volunteer at afforestation projects to...

- Adjust tree shelters and stakes
- Control invasive plants
- Perform selective pruning
- Conduct health checks and notify local foresters of any issues

Invasive Vegetation Control

Controlling invasive plant species is one of the **BEST** ways to make sure trees survive and thrive!

- Woody vines can strangle trees and outcompete them for sunshine
- Understory plants can hinder tree regeneration by shading out seedlings
- Best strategy for control is to remove and replace

Tip: Plant Invaders of the Mid-Atlantic Field guide is available online!



Every Tree Counts!

- Register your new tree to add it toward our count to 5 Million!
- Stay informed about upcoming events
- Explore resources about native trees and tree selection
- Learn about local resources and programs

<https://five-million-tree-tracking-tool-maryland.hub.arcgis.com/pages/about>



Thank you!



Dylan Orr

Tree Planting Specialist;
Howard & Montgomery
Counties

Maryland Forest Service
dylan.orr@maryland.gov

240-791-0559



MUNICIPAL STORMWATER PROJECT STATUS

April 24, 2024

FUTURE PROJECTS:

Michael's Property (Hampstead) – Project is on hold until Town has obtained approval from property owners to move forward.

Hampstead Valley 2/3 (Hampstead) – Hampstead Valley facilities 2 and 3 will be retrofit as a stream restoration project to decommission Sycamore Drive as a roadway embankment. The design will include a stream restoration beginning immediately downstream of the proposed Hampstead Valley 1 facility and continue to Sycamore Drive.

CONCEPT DESIGN:

Hampstead Valley 1 (Hampstead) – Retrofit of existing detention basin to a surface sand filter. Site is located just south of Lower Beckleysville Road near a production well. Comments were returned to CLSI, the County is currently looking into how this project would impact a project at Hampstead Valley 2/3.

Manchester East (Manchester) – CLSI is working on the concept design of a new stormwater facility north of Manchester Valley High School, adjacent to the pump station. Comments were sent back to CLSI. Concept was reviewed by the property owner we are currently working to have an appraisal done of the parcels that will need to be acquired.

Meadow Ridge Basin 2 (Westminster) – Retrofit of existing facility to provide water quality through a surface sand filter. This site is adjacent to the pump station at the edge of the City limits. Kick off meeting was held with Century on April 15th. They will begin working on a design.

New Windsor Wetland (New Windsor) - A new wetland facility is proposed adjacent to the Maryland Midland Railroad tracks and Dickenson Run. The proposed improvements include removing the existing inlet adjacent to the intersection of Water St and Church St, replacing it with a diversion structure that will route the 1-year storm discharges to the proposed wetland facility. A concept plan was submitted on February 16th, it is currently being reviewed by staff.

Public Safety Training Center (Westminster Well)- A retrofit for the Public Safety Training Center pond is in progress for the facility design and PFAS remediation. WRA is finalizing the concept

plan for the surface sand filter. We are continuing to work with Building Construction to coordinate design efforts for erosion and sediment control.

PRELIMINARY DESIGN:

Hampstead Valley 4 (Hampstead) – A new surface sand filter and stream restoration project is proposed between Century Street and Downhill Trail. Culverts at Downhill Trail require realignment into the HOA parcel for dam breach approval. Soil borings were completed by KCI, the report was submitted to be reviewed by Stormwater Management. CLSI is moving forward with final plan design.

Roberts Field Wet Facility (Hampstead) – Retrofit of wet pond to new hybrid wet pond/submerged gravel wetland. The recent concept submittal was approved with comments from the Town and Stormwater Management. Wallace Montgomery & Associates (WMA) is working on the preliminary plans. A revised grading plan was provided this month to be submitted with the grant application to DNR Grants Gateway. Soil borings were completed by Kleinfelder, we are currently waiting for the report. A plan was submitted for review on March 12th.

FINAL DESIGN:

CONSTRUCTION:

PLANNING PROJECTS:

Georges/Murphy Run Restoration Opportunities –A grant application was submitted on April 2, 2024 for funding to the National Fish and Wildlife Foundation (NFWF) for planning and technical assistance funding.

TREE PLANTING PROJECTS:

All the municipal plantings have completed their maintenance period and are now the responsibility of the municipalities. Please make sure that these areas are being mowed at least three (3) times per season.

Christopher Heyn, P.E., Director
410-386-2949
Toll-free 1-888-302-8978
MD Relay service 7-1-1/1-800-735-2258



Department of
Planning and Land Management
Carroll County Government
225 North Center Street
Westminster, Maryland 21157

May 3, 2024

Mr. Raymond Bahr
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, MD 21230

**RE: Carroll County A-StoRM Stakeholder Comments
Draft Stormwater Regulations – Version 2**

Dear Mr. Bahr:

Thank you for reaching out to the A-StoRM stakeholders group regarding MDE's current proposed regulation changes sent on February 6, 2024. The follow up meeting held on April 10, 2024, was helpful in understanding the direction that MDE is proceeding with these changes. In the meeting, it was indicated that you are considering two rounds of regulation changes – changes that could be made immediately with immediate impact and minimal unexpected consequences, and then later more detailed changes. In reviewing the proposed changes, I offer the following suggestions.

- Section 1 – Rainfall Design Depths – Carroll County is already requiring the use of the NOAA Atlas 14 rainfall depths and the corresponding Type C distribution as a requirement for design. Therefore, we have no concern with MDE making this a requirement statewide with the Type C distribution. However, we do not support the adjusted 13% increase in rainfall depths to address climate change without the adoption of the proposed ESD design changes. The adjusted rainfall depths should therefore wait until the more detailed regulation change.
- Section 2 – Unified Stormwater Sizing Criteria – The majority of the regulation changes outlined in this section need further discussion and refinement. Implementation should wait until the more detailed regulation change.
- Section 2.4 – Overbank Flood Protection – Carroll County supports the immediate requirement that overbank protection (Q10) be required on new development. Overbank protection should remain in the purview of County discretion for re-development based on known flooding and channel instability issues. The change that all re-development projects should address Q10 should be held off until the more detailed regulation change.

- Adequate Downstream Conveyance – While Carroll County supports the requirement that adequate conveyance of Q10 be demonstrated, further discussion regarding requirements is needed to consider specific requirements and exceptions. For example, what is the resolution of a design scenario where there is a downstream receiving conveyance that is privately owned that is inadequate for existing conditions? Therefore, this change should be held off until the more detailed regulation change.

There are two general comments related to the overall proposed changes.

1. Volume Management – From documentation and discussion, there is a general direction being taken to separate Water Quality treatment, Channel Protection, and Peak Management. Specifically, this relates to Environmental Site Design (ESD) practices. Functionally, these practices can be separated into those that reduce runoff, such as pervious pavement and sheet flow to buffer, and those that temporarily store a volume of water and then treat it. It needs to be recognized that the volume-based designs contribute to addressing channel protection and flooding.

Carroll County strongly advocates that MDE approach the new design regulations from the perspective of providing tools to be used and allowing local jurisdictions to meet the stormwater management requirements by utilizing those tools as appropriate for site conditions. It is understood that the impetus for these regulation changes is to address climate change and flood management. We support requirements to adequately address Channel Protection and Peak Management. However, this can be accomplished using site specific Best Management Practices (BMP) that are properly engineered and maintained.

Following the desired rainfall design criteria that MDE is presenting, Carroll County recommends the following.

- Water quality volume be treated by ESD features to the new level of 2 inches of rainfall depth. These ESD features may be both volume-based and runoff-based practices, essentially any Chapter 5 practices.
- Channel protection be addressed for the adjusted one-year, 24-hour storm, or 3 inches of rainfall with any volume-based practices. This includes ESD, infiltration, or Chapter 3 practices. The point is that a stormwater system suitably engineered for capture, conveyance, storage, and attenuation addresses this criterion. If the ESD practices that meet the water quality volume requirement are volume-based practices, they are helping in addressing the required CPv. For example, if a site is suited for volume-based ESD practices that can treat 3 inches of rainfall, this meets both the water quality volume requirement and the channel protection volume requirement.

2. Conveyance – The concept of conveyance is mentioned throughout the proposed documents. There are two separate concepts that need to be considered. There is the “upstream” conveyance, which is the drainage system that captures and conveys runoff to facilities, and there is the “downstream” conveyance that leaves the facility. Both are important and both are touched on, although there is a focus on downstream capacity. It is recommended that these two

concepts be clarified and MDE's specific intent regarding these concepts be defined.

The following are more detailed comments regarding specifics in the Draft Regulations and Supplement 2 provided for review.

Regulation Changes

01-1 Incorporated by Reference

B. With removal of MD-378, is the intent that MD-378 will no longer be a requirement and MDE will be covering MD-378 requirements in future MDE Dam Safety Guidelines and Policies?

.02 Definitions

B.(6) – Channel protection storage volume – refers to design of “structural management practices.” Recommend clarifying what this means. Is this a reference to Chapter 3 structural practices or to practices that are volume based? Volume-based ESD practices can be effective in providing CPv as discussed above. A specific definition for “structural management practices” should be added.

B.(12) – Reconsider definition of development project. Simply stating that it must comply with this chapter does not define what it is.

B.(13) – Development Site – Provide clarity. The definition indicates that it must “include” the Limits of Disturbance (LOD). This does not mean “only” LOD. If the intent is that management only be provided for the LOD, then explicitly state this. If the intent is that the development site may be larger, then define what it must include. Is this drainage area? If Drainage area, can some areas not being developed then be excluded from treatment?

If the intent is only the LOD, recommend clarifying that there be no inclusions or interior polygons allowed. No “doughnut holes.”

B.(26) – Overbank flood protection volume – Assume this is referencing Q10. If so, please specify.

B.(29) – If there is a stream on a developed property and a public easement is established over it as part of the development process, does this meet the definition of “Public Drainage?”

B.(38) – Stormwater conveyance is too broad a definition. As defined, this is every area exposed to rainfall. This is critical as this term is included in the definition “Stormwater management system” which then permeates through other criteria such as inspection requirements. As written, a BMP inspection would include an entire drainage area and infrastructure from downspouts to closed storm drain systems. This is onerous.

B.(41) – Stormwater management system – As indicated for stormwater conveyance, the scope of this definition needs to be clarified and reduced in scope. As stated, a stormwater

management system includes all features exposed to rainfall and runoff.

.03 General Provisions

A.(d) – As written, this still allows for different rules to be established for State and federal projects. Federal, State, and Local development projects are all similar in scope and have the same effect on the natural environment. Consistency of regulations would be equitable and eliminate confusion of applicability.

E. Adoption time frames. Under A.(1), MDE commits to producing a model ordinance. Local submission of proposed ordinances should follow not only adoption of these regulations, but also publishing of the model ordinance.

Adoption of local ordinances must be tied to the approval of the ordinance by MDE, not the date of adoption of the regulations. Local municipalities have no control over the time frame in which MDE will review and approve the submitted draft ordinance.

.04 Stormwater Management Ordinances

B.(1)(h) – “Requires the adequate conveyance of stormwater runoff to and through...” This speaks to upstream capture and conveyance, but the meaning of capture and conveyance is not documented in the supplement. What guidance will be provided to meet this requirement?

.05 When Stormwater Management is Required

B.(2) – Recommend inserting the word “cumulative” into this requirement. Without this clarification, a property owner could piecemeal improvements and not trigger requirements even if cumulative effects exceed the limits of 04.B.(1)(C).

D.(6) – “Water quality volume shall be addressed for 100% of the pervious area for the development site.” As mentioned earlier, as written, development site is not limited to just the LOD. If that is the intent, then this needs to be clarified in the definition as it has an impact here.

D.(8) – Do the channel protection and overbank flood protection criteria apply to the net increase on a “redevelopment project” or a “redevelopment site?”

.06 Minimum Control Requirements

A.(4) – As noted, this addresses upstream conveyance. Upstream capture and conveyance should also be clarified.

A.(7) – Allowing an approving agency to require more than minimum requirements if issues exist downstream. This should be expanded to include issues created by the development if there is proposed infrastructure downstream that would be adversely impacted, not just existing.

.08 Stormwater Management Practices

D.(1) – Please provide a clearinghouse online of all approved standard plans.

D.(2)(c) – Allowing an approving agency to require more than minimum requirements if issues exist downstream. This should be expanded to include issues created by the development if there is proposed infrastructure downstream that would be adversely impacted, not just existing.

.10 Construction Inspection and Enforcement

A.(3) – Should include that ESD practices can be certified by professional land surveyor to be consistent with 7(F).

G. There is a process in place regarding MD 378 structures and reporting those to Soil Conservation District. However, we are not aware of a process for all BMPs. Currently, BMPs are reported in the annual NPDES report. Is this code redundant given other reporting mechanisms? We recognize that this is existing code; however, if this is not being performed, should the opportunity be taken to revise?

0.11 Maintenance – The inclusion of the newly defined “stormwater management system” in the requirement for triennial inspections is onerous due to the unreasonably expansive definition of stormwater management system.

Supplement 2

Introduction – Second Paragraph – “...short duration storms must be adequately conveyed to and attenuated in stormwater management practices.” If this is to be the guidance, more specificity is needed regarding capture and conveyance. Capture should be the peak flow of the design storm and take into consideration modeling methods such as the difference between rational and SCS methodology.

1.1 New Definitions – Development Site

- Term “includes” is used. This is too broad. This implies that the development site is larger than the LOD. If the intent is to be “limited to” the LOD, then that needs to be stated.
- Recommend that a prohibition on inclusions or “doughnut holes” be included in definition. The LOD should be an all-inclusive polygon and not have areas where disturbance is not occurring be excluded from analysis.

1.1 New Definitions – Stormwater conveyance has too broad a definition. As defined, this is every area exposed to rainfall. This is critical as this term is included in the definition “stormwater management system” which then permeates through other criteria, such as inspection requirements. As written, a BMP inspection would include an entire drainage area and infrastructure from downspouts to closed storm drain systems. This is onerous.

1.1 New Definitions – Stormwater management system, as indicated for stormwater conveyance – The scope of this definition needs to be clarified and reduced in scope. As stated, a stormwater management system includes all features exposed to rainfall.

1.2 Rainfall Data – Should be stated that analysis performed using the NOAA Atlas 14 data should be done with Type C distribution.

Table 1 – Adjusted Rainfall Depths for the 1-year – 24-hour storm are not consistently increased by 13% as per the footnote. See Wicomico County with a 50% increase. Please explain.

2.1 Water Quality Volume (WQv) – It is stated “Where A is the drainage area.” This needs to be clearly reinforced with the definition of Development Site. We believe the intent is that the development site is the LOD. There should be defined drainage areas that fully include all parts of the Development Site. Is the WQv then calculated for the drainage areas or the Development Site? This then needs to be clarified for the calculation of Q. Is this derived from the drainage area curve number or the Development Site curve number?

2.1.1 – Addressing WQv for New Development, second bullet – Is this consistent with 2.1? This seems to indicate that a WQv is calculated for the Development Site. There is a potential WQv treatment that can be achieved by a drainage area. Can overtreatment of WQv be performed to the potential drainage area to compensate for portions of the development site where treatment can't be met?

2.1.2 – Addressing the Water Quality Volume (WQv) Requirement – Redevelopment – This appears to indicate that if you reduce the existing impervious by 50%, the developer is still required to address WQv for the newly created grass (pervious) area. Is this the intent? Please clarify.

2.2 Recharge Volume – Please verify what storm the Q variable is for. Assume that this is for the 1-year storm, but this is not documented.

2.3.1 – Third bullet – As defined, the detention lag time for the one-year storm is defined as the interval between the center of mass of the inflow hydrograph and the center of mass of the outflow hydrograph. This can be determined by comparing TR-20 hydrographs. It is understood that MDE is simplifying this engineering design process through the use of Appendix D.11 and discharging the Cpv over 36 hours for 24-hour extended detention. However, note that Figure D.11.1 is specific to the Type II rainfall distribution. A new figure is required for the Type C distribution associated with the NOAA Atlas 14 data.

2.3.1 – Second to last bullet – Why is this clarified for the one-year storm? Assuming this same condition would be applied for all modeled storms.

2.3.1 – Last bullet – This is a significant issue. If CPv is adequately captured, conveyed, stored, and attenuated, the type of BMP should not matter, and ESD and infiltration practices should not be excluded. This has significant implications for smaller sites where adequate WQ and CP treatment requirements can be achieved with volume-based ESD practices. Envision the scenario of a small development site where currently all stormwater requirements can be met

with a couple of drywells. As stated, this type of site would now require both drywells and a Chapter 3 structural practice, which may be both physically and fiscally impossible.

Section 3 – As noted, clarity regarding upstream and downstream capture and conveyance must be provided. This section is specific to “Adequate Downstream Conveyance.” However, the first sentence is specific to capture and conveyance to the facility.

Section 3 – First paragraph – First two sentences are not consistent. “...runoff must be adequately and safely conveyed to the practice...” is typically addressed for peak flow hydraulic analysis. Second sentence indicates “...design volume is safely directed...” This should refer to peak flow, not volume.

Appendix A. Rainfall Frequency Analysis

Please provide raw data for weather station charts for Carroll County.

Please clarify where “23 – Brandywine” station is in Carroll County.

Again, thank you for the opportunity to review and comment on these documents. We appreciate the ongoing collaboration with MDE to address these important issues.

Sincerely,

Christopher Heyn, PE
Director
Carroll County Department of Planning and Land Management

Cc: Janet O’Meara, Chief, Carroll County Bureau of Resource Management
Pat Varga, Carroll County Environmental Review Supervisor
Martin Covington, Carroll County Stormwater Engineer
Chad Wasileski, Carroll County Stormwater Engineer
Brenda Dinne, Carroll County Department of Planning and Land Management Special Projects Coordinator



WRCC 2024 Legislative Wrap-Up



Final Status of General Assembly Proposed Water/Environmental Resource Legislation

Status: As of April 24, 2024

Bill + Description	Bill Link	Final Status
<p>SB 96/HB 24 ENVIRONMENT - IMPACT OF ENVIRONMENTAL PERMITS AND STATE AGENCY ACTIONS Requiring the Department of the Environment to conduct a climate and environmental equity evaluation regarding the impact of issuing an approval for certain environmental permits; requiring the Department to provide opportunities for residents of the State to opt in to text, phone, e-mail, or regular mail notifications regarding any facility with a pending or final permit approval in or adjacent to the resident's census tract; altering certain reporting requirements for certain State agencies; etc.</p>	<p>SB0096 HB0024</p>	
<p>SB 274/HB 17 CHARTER COUNTIES - COMPREHENSIVE PLANS - AFFIRMATIVELY FURTHERING FAIR HOUSING Altering requirements for the housing element of a charter county's comprehensive plan to include requirements related to affirmatively furthering fair housing; requiring the housing element of a comprehensive plan that is enacted or amended on or after January 1, 2025, to include an assessment of fair housing to ensure that the county is affirmatively furthering fair housing; etc. <i>*Bill imposes a local government mandate, which is a directive in a bill requiring a local government unit to perform a task or assume a responsibility that has a discernible fiscal impact on the local government unit.</i></p>	<p>SB0274 / CH0089 HB0017 / CH0090 Approved by the Governor</p>	
<p>SB 356/HB 3 LAND USE - EXPEDITED DEVELOPMENT REVIEW PROCESSES FOR AFFORDABLE HOUSING - REQUIREMENTS Requiring local jurisdictions to establish and implement an expedited development review process for certain proposed affordable housing developments; applying the process to a charitable organization seeking to develop affordable housing on its own land and a public housing authority proposing to develop affordable housing on land owned by a charity or a government entity; and establishing a good-faith waiver for local jurisdictions that cannot implement an expedited development review process. <i>*Bill imposes a local government mandate, which is a directive in a bill requiring a local government unit to perform a task or assume a responsibility that has a discernible fiscal impact on the local government unit.</i></p>	<p>SB0356 HB0003</p>	

Bill + Description	Bill Link	Final Status
<p>SB 484/HB 538 LAND USE – AFFORDABLE HOUSING – ZONING DENSITY AND PERMITTING (HOUSING EXPANSION AND AFFORDABILITY ACT OF 2024) Prohibiting a local legislative body from prohibiting the placement of a certain manufactured home in certain residential zoning districts under certain circumstances; prohibiting a local jurisdiction from using an element of an adequate public facilities law to deny certain permits for certain State-funded affordable housing projects or other qualified projects or to restrict or limit the development of the projects in a certain manner; etc.</p>	<p>SB0484 HB0538</p>	
<p>HB 516 CLIMATE CRISIS AND ENVIRONMENTAL JUSTICE ACT OF 2024 Description: Establishing the Climate Crisis Initiative in the Department of the Environment to provide for the assessment of greenhouse gas pollution fees, the provision of certain benefits to households and employers, and the funding of certain climate-related activities; providing for the collection and use of certain greenhouse gas pollution fees; establishing the Household and Employer Benefit Fund and the Climate Crisis Infrastructure Fund as special, nonlapsing funds; etc.</p>	<p>HB0516</p>	
<p>SB 572 ENVIRONMENT – COLLECTION AND REPORTING OF DRINKING WATER AND WASTEWATER DOCUMENTS, DATA, AND INFORMATION – REQUIREMENTS Description: Requiring a water utility operating in the State to post on its website or provide to the Department of the Environment documents, data, and information required as part of the water utility's annual water quality consumer confidence report; requiring a certain local government to provide or post on its website certain data and information to a certain water utility; prohibiting the Department from imposing more than a certain amount in fines on certain water utilities for each reporting year; etc.</p>	<p>SB0572</p>	
<p>SB 710 WATER UTILITIES SHUTOFF PROTECTIONS Description: Authorizing a certain water utility to temporarily shut off service for reasons of health or safety or in a State or national emergency, notwithstanding certain provisions of law; prohibiting a water utility from shutting off service for certain reasons; prohibiting a water utility from shutting off service on receipt of certain information; and prohibiting the sale of property solely to enforce a lien imposed for unpaid water, sewer, or sanitary system charges, fees, or assessments except in certain circumstances.</p>	<p>SB0710</p>	
<p>SB 726/HB 1478 BAY RESTORATION FUND – AUTHORIZED USES – DECOMMISSION OF WASTEWATER TREATMENT LAGOON Description: Altering the authorized uses of the Bay Restoration Fund to include, beginning in fiscal year 2026, 100% of certain costs related to the decommissioning of certain wastewater treatment lagoons.</p>	<p>SB0726 HB1478</p>	

Bill + Description	Bill Link	Final Status
<p>SB 835/HB 992 ENVIRONMENT – DELEGATED AUTHORITIES – WELL AND SEPTIC PROGRAM PERMITS Description: Requiring a local health department or county government with certain delegated authority to submit, on or before a certain date, a schedule of review times for certain well and septic program permits to the Department of the Environment for approval; requiring a local health department or county government to submit well and septic program permit data to the Department for review at a certain frequency under certain circumstances; and generally relating to local health 9 departments or county governments and well and septic program permits.</p>	<p>SB0835 HB0992</p>	
<p>HB 908 ENVIRONMENT – SUPPLIERS OF WATER – NOTIFICATION REQUIREMENTS Description: Altering certain notice requirements that a supplier of water must give to the Department of the Environment and certain individuals and entities under certain circumstances; requiring a supplier of water to give notice to the Department of the Environment and the Maryland Department of Emergency Management if there is a positive test for E. coli in the system and immediately begin certain preparations; requiring each community water system to ensure that certain testing is performed on water provided by the system; etc.</p>	<p>HB0908</p>	
<p>SB 956/HB 1153 ENVIRONMENT – WATER POLLUTION CONTROL – PROTECTING STATE WATERS FROM PFAS POLLUTION (PROTECTING STATE WATERS FROM PFAS POLLUTION ACT) Description: Establishing the discharge limit for PFAS chemicals in any water, including stormwater, discharged from a significant industrial user to be 4 parts per trillion; requiring a significant industrial user to reduce PFAS chemicals from the water it discharges to a publicly owned treatment works in a certain manner; requiring a significant industrial user to store, reuse, and dispose of certain PFAS chemicals in a certain manner; etc.</p>	<p>SB0956 HB1153</p>	
<p>SB 969/HB 1165 STREAM AND WATERSHED RESTORATION – STREAM RESTORATION CONTRACTOR LICENSING AND CHESAPEAKE AND ATLANTIC COASTAL BAYS RESTORATION AND FUNDING (WHOLE WATERSHED ACT) Description: Establishing the Stream Restoration Contractors Licensing Board; requiring a person to be licensed as a stream restoration contractor or be employed by an individual or entity that is licensed as a stream restoration contractor before the person performs or solicits to perform stream restoration contractor services in the State, subject to a certain exception; requiring the Department of the Environment to provide notice of a certain violation to a stream restoration contractor; etc.</p>	<p>SB0969 HB1165</p>	
<p>HB 1055 ENVIRONMENT – HIGHWAYS – SALT APPLICATION Description: Requiring each State agency, county, and municipality to maintain certain records of its highway salt application and submit to the Department of the Environment by a certain date each year a report on its highway salt application for the previous winter season; and generally relating to highway salt application.</p>	<p>HB1055</p>	

Bill + Description	Bill Link	Final Status
<p>SB 1074/HB 991 AGRICULTURE – FOOD PROCESSING RESIDUALS UTILIZATION PERMIT - ESTABLISHMENT ENVIRONMENT – INDUSTRIAL SLUDGE UTILIZATION PERMIT – ESTABLISHMENT Description: Establishing an industrial sludge utilization permit; prohibiting a person from utilizing industrial sludge in the State unless the person obtains a permit; requiring the Department of the Environment to provide certain notices and information to certain persons; applying certain provisions of law regarding public notice and participation to industrial sludge utilization permits; authorizing a representative of the Department to enter and inspect any site where industrial sludge is utilized; and generally relating to industrial sludge utilization permits.</p>	<p>SB1074 HB0991</p>	
<p>SB 1173/HB 1512 BAY RESTORATION FUND – USE OF FUNDS – MUNICIPAL WASTEWATER FACILITIES – SUNSET REPEAL Description: Repealing the termination date for certain provisions of law that expand the authorized uses of the Bay Restoration Fund to include certain costs associated with the connection of a property using an on-site sewage disposal system to a certain existing municipal wastewater facility.</p>	<p>SB1173 HB1512</p>	
<p>SB 1174/HB 1509 BALTIMORE REGIONAL WATER AUTHORITY GOVERNANCE WORKGROUP – ESTABLISHED Description: Establishing the Baltimore Regional Water Governance Model Workgroup to study the regional water governance approach in the Baltimore region; and requiring the Workgroup to report, on or before June 30, 2027, its findings to the Mayor of Baltimore City, the County Executive of Baltimore County, the Governor, and the General Assembly.</p>	<p>SB1174 HB1509</p>	
<p>HB 1511 FOREST CONSERVATION ACT – MODIFICATIONS Description: Requiring the Department of Natural Resources to update a certain model local government ordinance and adopt certain regulations relating to forest conservation on or before July 1, 2025, and July 1, 2026, respectively; delaying the dates on which certain provisions of the Forest Conservation Act will apply to certain solarvoltaic facilities and forest conservation plans; and delaying the effective date of certain provisions of the Forest Conservation Act.</p>	<p>HB1511</p>	

Carroll County Water Resource Coordination Council

Hampstead * Manchester * Mt. Airy * New Windsor
Carroll County Health Department



* Sykesville * Taneytown * Union Bridge * Westminster
Carroll County Government

WRCC Meeting Summary July 24, 2024

Attendees:

Municipalities:

- Kevin Hann, Chair, Hampstead
- Jim Wieprecht, Vice Chair, Taneytown
- Zac Amoss, Westminster
- Gary Dye, New Windsor
- Delbert Green, Manchester
- Mayor Perry Jones, Union Bridge
- Rodney Kuhns, Manchester
- Alex Perricone, Manchester
- Mike Rawlings, Westminster
- Jim Roark, Hampstead
- Kevin Rubenstein, Sykesville
- Kevin Smeak, Taneytown
- Steve Strawsburg, Westminster
- Vance Summerhill, Westminster
- Dick Swanson, Mount Airy

CC PLM:

- Daphne Daly
- Brenda Dinne
- Glenn Edwards
- Catarina Erbe
- Andrew Gray
- Chris Heyn, Director
- Claire Hirt
- Byron Madigan
- Kelly Martin
- Mitch Masser
- Denise Mathias
- Zach Neal
- Janet O'Meara
- Pat Varga

Health Department:

- Richard Brace

CCG Others:

- Andy Watcher, CC DPW
- Bryan Bokey, CC DPW
- Jacob Dellinger, CC M&B

Guest Speakers:

- Angel Valdez, MDE
- Kara Kemmerer, MDE

1. Opening Statement

Chair – Kevin Hann

Mr. Hann opened the meeting at 2:31 PM.

Vice Chair – Jim Wieprecht

None.

2. Approval of Meeting Summary – April 24, 2024

Approval of the April meeting summary was discussed. No changes were made.

APPROVAL OF MINUTES: Motion was made by Alex Perricone and seconded by Dick Swanson to approve the April 24, 2024, meeting summary. Motion carried.

3. MDE's Tier II Waters Review Process – Angel Valdez, MDE

- Angel Valdez, Antidegradation Policy Implementation Coordinator with the Maryland Department of the Environment (MDE), presented MDE's Tier II High Quality water review process for development projects. She started with an overview of the regulatory background and the Tier II Waters designation procedure, including an explanation of assimilative capacity and how it is considered in the process. She also talked about the Notice of Intent (NOI)

review and offered a sample scenario. New guidance is among several upcoming changes Ms. Valdez discussed. More details can be found in her PowerPoint presentation.

Reference/Attachment:

- *PowerPoint: Tier II High Quality Waters*

4. Demonstration of New GIS Planimetric Data – Chris Heyn

- Mr. Heyn shared that the County recently received all new GIS planimetric data. The State flies a portion of the state for aerial photography every 3 years. The last flight for our region was in March 2023. The aerials are free to the County, but the County chose to purchase additional data from that flight, which was paid using grant funds. The data is countywide and includes the municipalities.
- Mr. Heyn gave a demonstration of the planimetric data available. The hope is that grant funding will be available at the next flight to update this planimetric data.

Reference/Attachment:

- *N/A*

5. Water Resources Element (WRE 2024) Update – Brenda Dinne

- Hazen Tasks: All Hazen tasks are complete. The final Task 6 report was received in May. A revised Technical Memo for Task 4 – MDE TIPP Spreadsheet Comparison – was received in early July.
- Plan Document: Update of the actual plan document is underway. Initial update of the text of the body of the plan document is complete, with maps and some data remaining to be updated. Ms. Dinne began scheduling a meeting with each municipality and Bureau of Utilities to review the individual System-Specific sections. The majority of the meetings will be held in September.

Reference/Attachment:

- *N/A*

6. Municipal Stormwater Projects Update – Janet O’Meara

- Claire Hirt provided an update on the municipal stormwater restoration projects.

Reference/Attachment:

- *Municipal Project Status, July 2024*

7. PFAS Discussion

- Hampstead anticipates design and engineering of the PFAS treatment system being at 85% completion in August.
- Additional federal money may still be available.

Reference/Attachment:

- *N/A*

8. Other

- SHA NPDES Permit: Mr. Heyn reported that the comment period on SHA’s draft NPDES permit closed July 18. The conditions of their permit can give us a heads up on requirements that would likely be added to our next permit. Temperature will be an issue.
- Impending Temperature TMDL: Mr. Heyn noted that a temperature TMDL is anticipated in the near future for the Prettyboy Reservoir. This will impact Hampstead and Manchester. A plan to address the TMDL will be required. The County will work with both Towns to develop this plan.
- PSEG Maryland Piedmont Reliability Project: The County created a [website](#) to provide links to the PSEG project website and other resources. PSEG was accepting comment on the initial

potential alignments. Comments were due July 26. Mr. Heyn submitted a comment letter to PSEG, which identified various existing and planned facilities and other features that would be impacted by one of the potential alignment segments.

- **NPDES Annual Report:** Mr. Edwards indicated that the jotform will be sent in the next couple weeks for the municipalities to provide info that goes into the Annual Report. Completion by the deadline is important to the Annual Report timeline.
- **Storm Drain Maps:** Resource Management staff are updating the storm drain maps for the municipalities. These maps provide the municipalities with up-to-date GIS storm drain data. Mr. Masser requested the updates from the remaining municipalities.
- **New Employee:** Mr. Heyn introduced Catarina Erbe. Catarina filled the Environmental Review Technician position under Pat Varga. She provides technical review for floodplains and other environmental codes.
- **Drought Status:** Mr. Heyn shared that Western Maryland and the Eastern Shore are currently under drought watch. However, with the recent rains, Carroll County is still green (normal) on MDE's [Drought Status in Maryland](#) map as of July 15, 2024.
- **Water & Sewer Master Plan Amendments:** Mr. Gray stated that the spring 2024 amendments were approved by MDE. Fall 2024 amendments are due to him by August 1, 2024. He met with each municipality to go over the process and would like to work on creating efficiency and consistency by standardizing the process and submissions where possible.
- **August WRCC Meeting:** Ms. Dinne shared that the August 28 meeting will feature a guest speaker from DNR to talk about pond retrofits for cold water releases. The agenda will also include a work session to update the countywide strategies in the WRE.
- **Reduce Food Waste @ Home Outreach:** The Environmental Advisory Council recently completed an outreach document aimed at providing residents with information about reducing food waste at home. Food waste accounts for roughly 24% of waste to landfills in the U.S. Ms. Dinne shared a hardcopy of the document and will send the WRCC members a link to the document online so it can be shared on the municipal websites.
- **Lead Service Lines:** Mr. Hann reminded everyone that the lead service line inventory is due October 14, 2024.

Reference/Attachment:

- Carroll County [Webpage](#) for Information re: Maryland's Piedmont Reliability Project
- EAC's [Reduce Food Waste @ Home Outreach Publication](#)

9. Adjournment

The meeting adjourned at 3:51 PM.

MEETING ADJOURNMENT: Motion was made by Kevin Rubenstein and seconded by Dick Swanson to adjourn the July 24, 2024, meeting. Motion carried.

Upcoming Meetings:

- ☐ *Regular Monthly Meeting – Wednesday, August 28, 2024*



Maryland
Department of
the Environment

Tier II High Quality Waters

Angel Valdez
Antidegradation Policy Implementation Coordinator
Maryland Department of the Environment

Presentation for: Carroll County Water Resources
Coordination Council July 24, 2024

Outline

- Regulatory Background Information
- Designation Procedure
- Assimilative Capacity Determinations
- Complex NOI Review Scenario
- Changes Coming
- Resources



Maryland
Department of
the Environment

Antidegradation Regulation: COMAR 26.08.02.04-2 (est. 2004)

- Defines how to designate Tier II waters
- Defines when an Antidegradation Tier II Review is required
- Defines when there is no assimilative capacity, e.g., Tier II conditions are not maintained
- Lays out the social and economic justification procedure when approval is granted, and water quality will be lowered

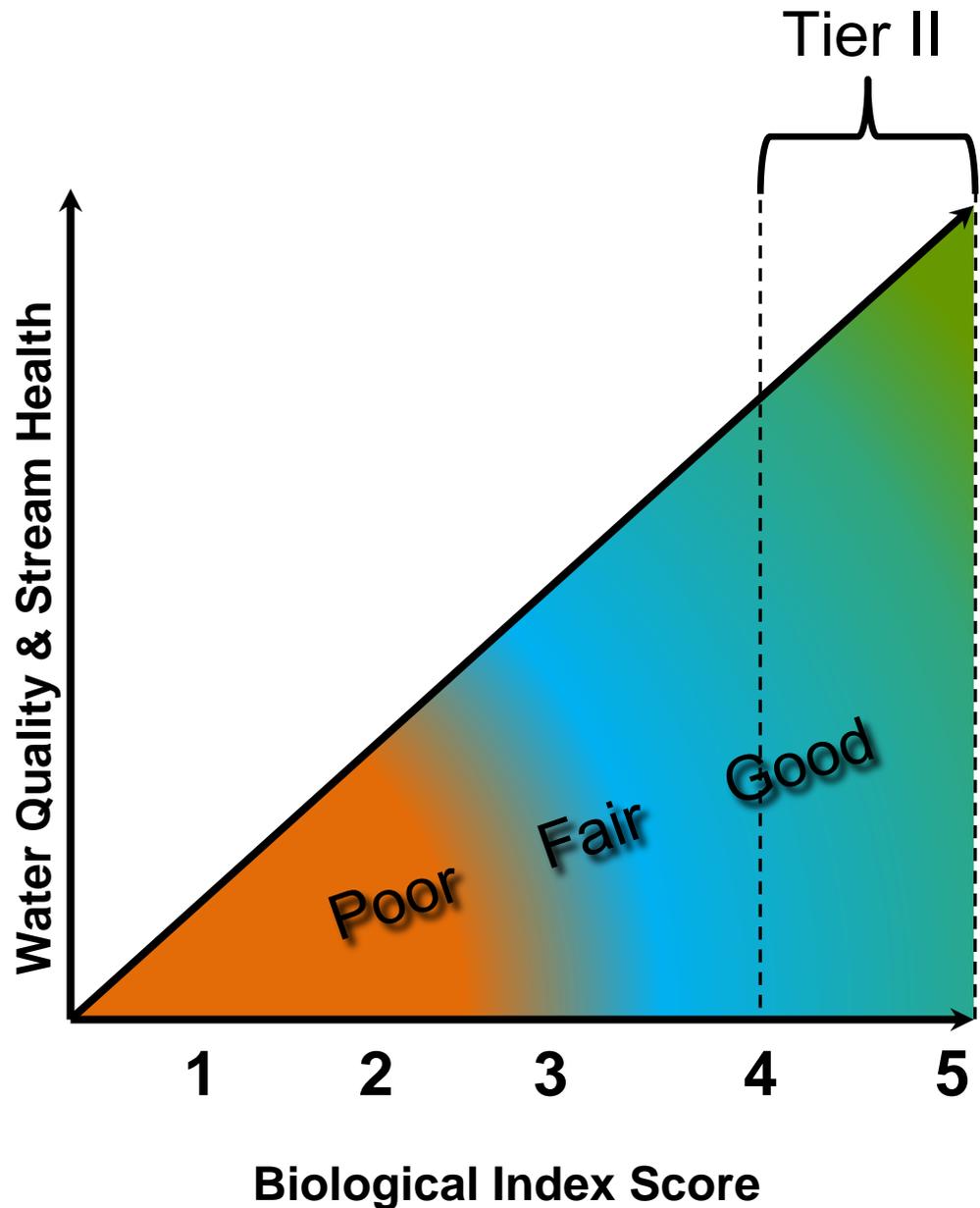


Maryland
Department of
the Environment

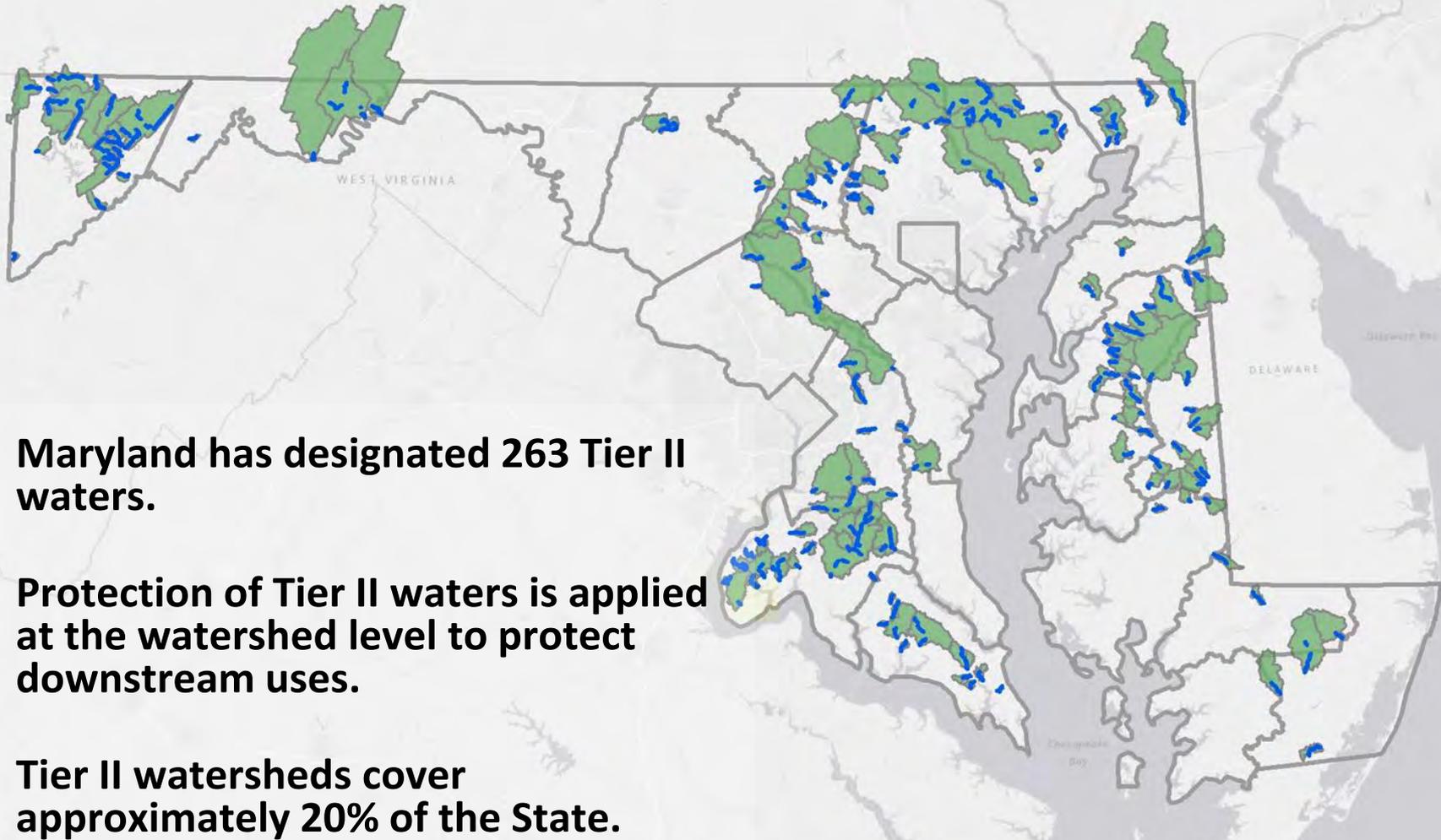


Tier II Waters: Designation

- Non-tidal streams are sampled using the Maryland Biological Stream Survey (MBSS) protocols
- MBSS assigns scores for stream benthic (bug) and fish assemblages
- To be designated Tier II, both scores must be ≥ 4.00 , or average ≥ 4.00 when there are more than one station



DESIGNATED TIER II WATERS



Maryland has designated 263 Tier II waters.

Protection of Tier II waters is applied at the watershed level to protect downstream uses.

Tier II watersheds cover approximately 20% of the State.



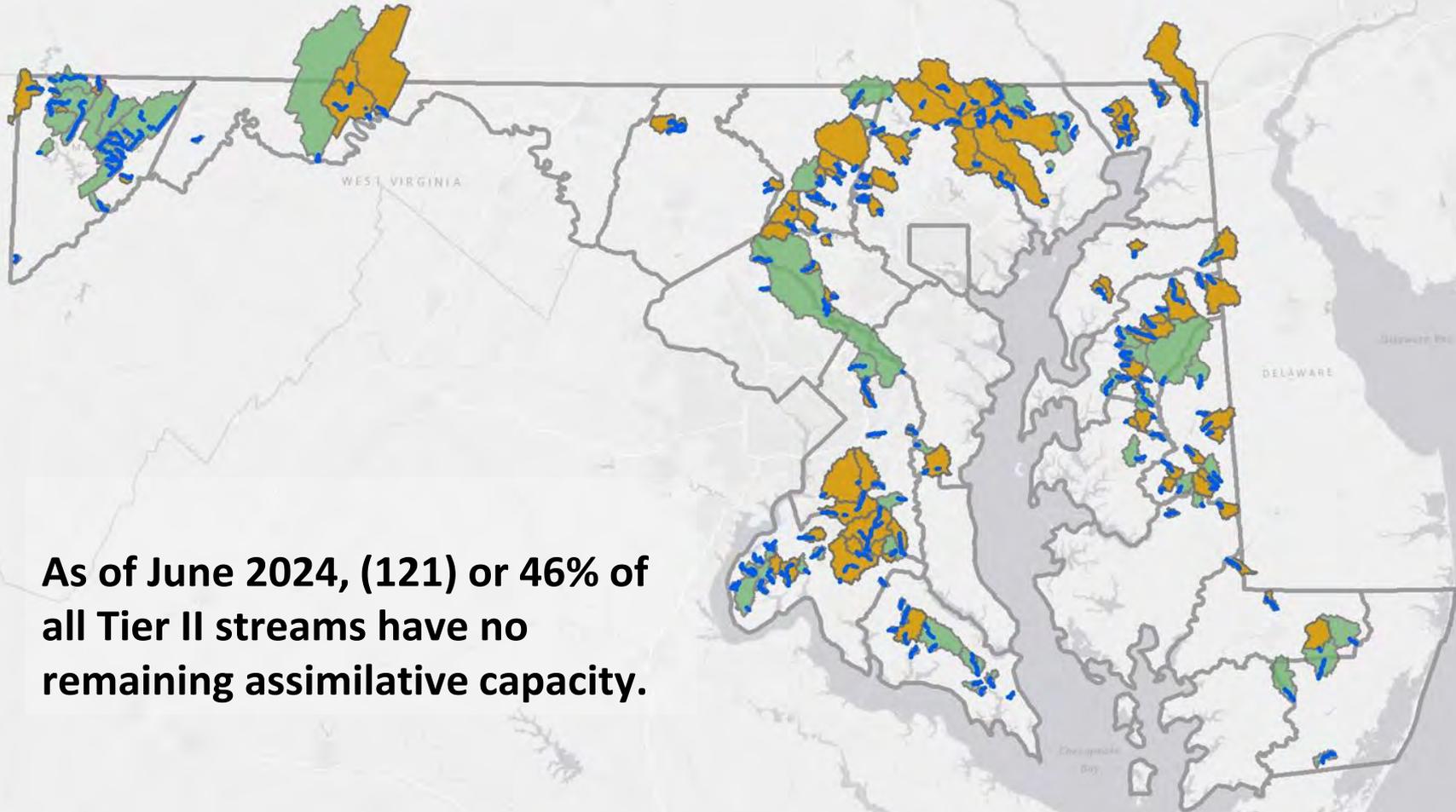
Maryland
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the Environment

Assimilative Capacity

- Assimilative Capacity as a quantitative way to determine if a designated Tier II stream is still of high quality, or if it has degraded.
- The AC threshold is the minimum IBI score acceptable when re-sampling a site, accounting for natural variability (25% change in scores)
- If either the fish or benthic score falls below the threshold, the stream has no AC
- Streams with no remaining AC are still Tier II streams. The stream never lose their designation.



ASSIMILATIVE CAPACITY STATUS

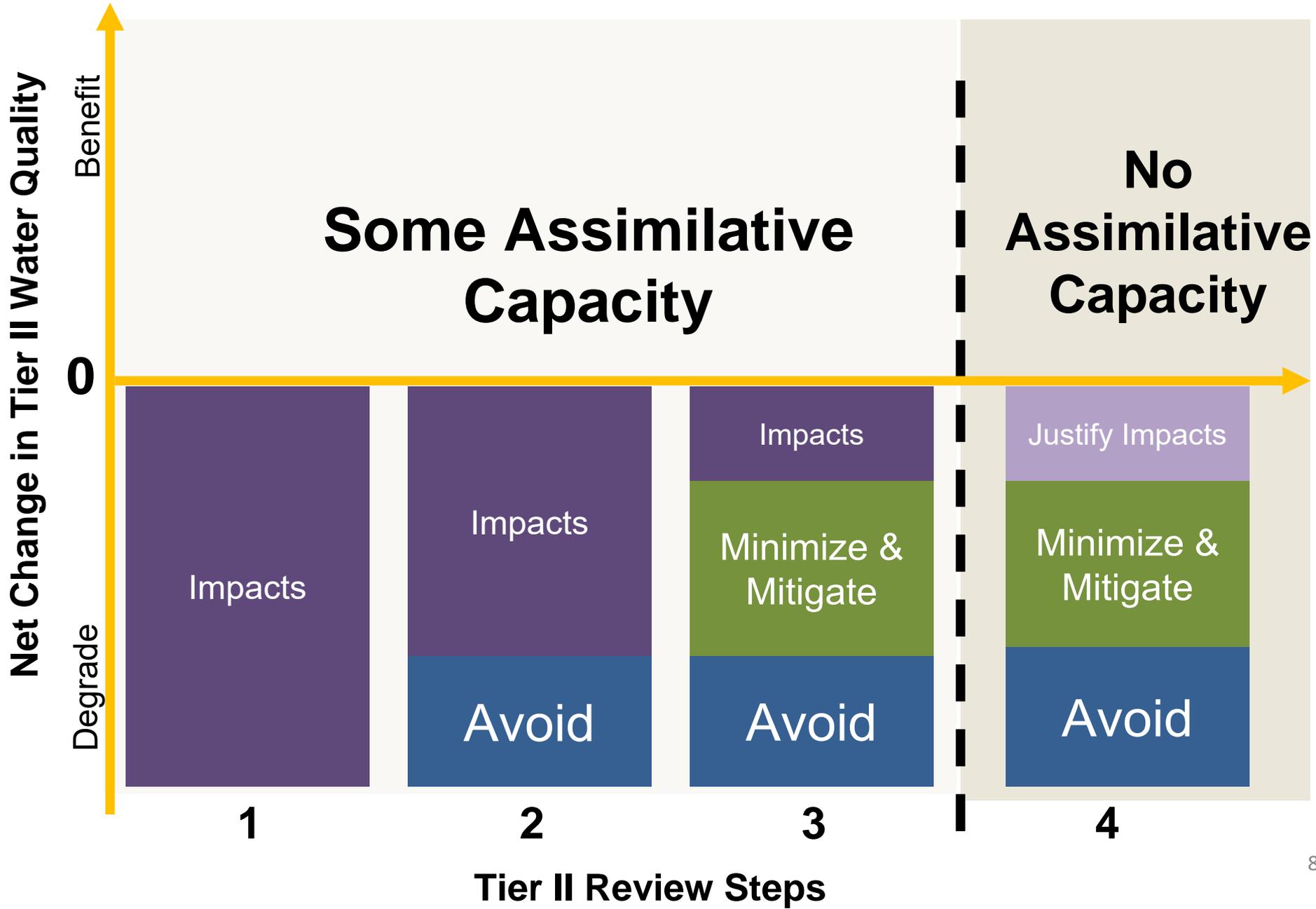


As of June 2024, (121) or 46% of all Tier II streams have no remaining assimilative capacity.



Maryland
Department of
the Environment

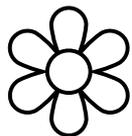
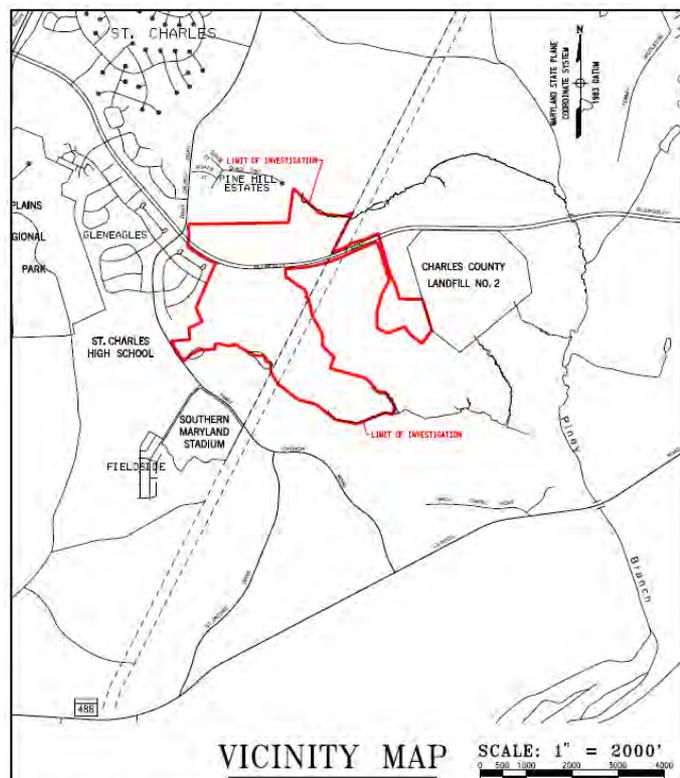
Overall Tier II Review: Reduce 'Impacts'



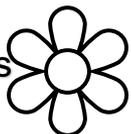


Maryland
Department of
the Environment

NOI Complex Review Example



Sunflower Acres



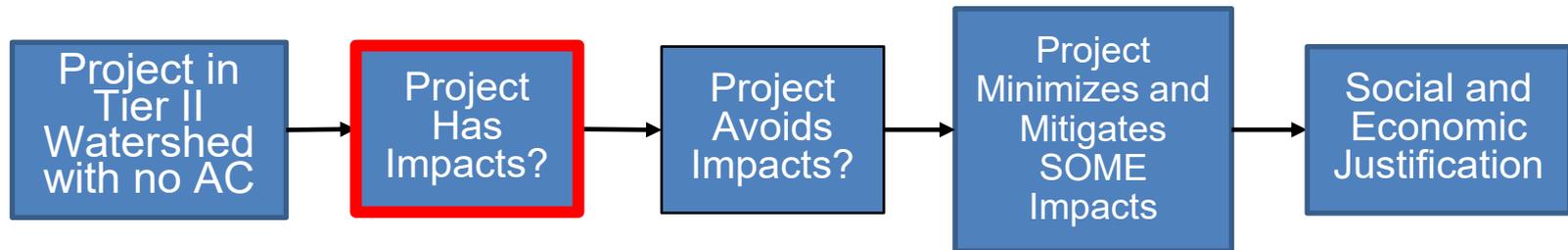
- An application for phase II of a 4-phase, 100 home development named Sunflower Acres has come in to receive coverage under the 20-CP for an NOI.
- Because the project is located in a Tier II watershed with no AC, the industrial discharge program returns the application and directs the applicant to contact the Tier II Review Team.

Initiate Tier II Review

1. A basic overview of the whole and complete project.
2. Project purpose. Does the project meet a unique need, have special funding, location, etc.?
3. Will the project increase impervious surface?
4. Will the proposed activity impact the stream or stream buffers (within approximately 100 feet of channel)?
5. Provide an estimate in acres as to how much net forest loss is associated with the project.
6. Is this project one phase of an ongoing project?
7. Has any portion of this project undergone nontidal wetlands and/or waterways construction permit review?



Complex NOI Tier II Review Example



Primarily focus on 3 resources to maintain water quality which are closely linked as indicators of land use change:

1. Riparian buffers,
2. Watershed forest cover, and
3. Untreated impervious surfaces



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Sunflower Acres Response

1. A basic overview of the whole and complete project.
2. Project purpose. Does the project meet a unique need, have special funding, location, etc.? **Yes – Project is located within a priority funding area (PFA)**
3. **Will the project increase impervious surface? YES – All new surfaces treated w/Environmental Site Design (ESD)**
4. **Will the proposed activity impact the stream or stream buffers (within approximately 100 feet of channel)? NO**
5. **Provide an estimate in acres as to how much net forest loss is associated with the project. 50 acres**
6. Is this project one phase of an ongoing project? **Yes, Phase II**
7. Has any portion of this project undergone nontidal wetlands or waterways construction permit review? **No, not necessary**



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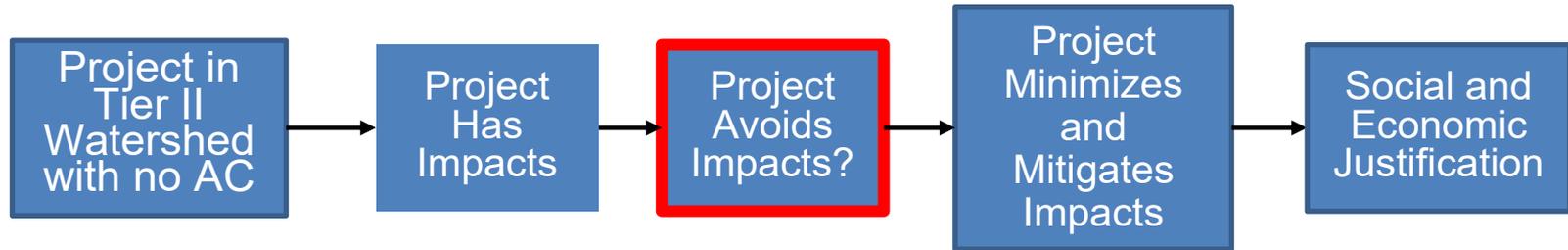


No Discharge Alternatives Analysis Form

Qualifying Exemptions
<p>For the purposes of the no discharge analysis for land disturbing activities, extenuating circumstances may apply to projects that are developed to address a specific need, may be linked to special funding, or linked to a specific location. Supporting documentation is required before consideration. Please read the following examples and determine whether or not a given situation is applicable.</p> <p>The applicant must get concurrence from MDE as to the applicability of any special circumstances prior to completing the no discharge alternatives analysis. It is at the Department's discretion to determine whether a special circumstance applies, and whether or not this applicability means that there is not a reasonable alternative that avoids the Tier II watershed.</p> <p>If none of the special circumstances apply, check "Not Applicable".</p>
<p><input type="checkbox"/> Not Applicable</p>
<p><input type="checkbox"/> Situation 1: Project is linked to unique or special incentives for State, County, or Municipality</p> <p>Example: County needs for 1000 units of low-income senior housing in legislative district 7. Documentation must include the request for proposals (RFP) or similar missive to meet the housing need, and unique benefits or incentives lost if the project is moved outside of legislative district 7.</p> <p>Example: Project is located in a State Designated Priority Funding Area, State Designated Enterprise Zone, or similar area targeted by the State for economic growth, business development, or investment.</p>
<p><input type="checkbox"/> Situation 2: Project has location specific limitations</p> <p>Example: College campus extension. Education capital funding limits development to sites that are within 5 miles of the main campus. Documentation should include the RFP or similar documentation.</p> <p>Example: Project is taking place in an existing right of way, or using an area that is currently operational. Such projects include replacing transmission lines, expanding operations on a working farm or business center.</p>
<p><input type="checkbox"/> Situation 3: Military project (or similar) with restrictions due to national security, etc.</p> <p>Example: Construct a new runway and hangar for Air Force 1. The military may identify a certain location or base where this construction shall occur due to existing facilities, support personnel, and security concerns.</p>
<p><input type="checkbox"/> Situation 4: Project has little to no resource impacts.</p> <p>Example: Repair or replacement of existing structures, road resurfacing, bridge maintenance using scaffolding, General Waterways Construction Permits, habitat restoration, rehabilitation, and stabilization.</p>
<p><input type="checkbox"/> Situation 5: Project is a "Grandfathered" development, that meets the specifications within Chapter 1.2, in the <i>Maryland Model Stormwater Management Ordinance, June 2009 & April 2010</i></p> <p>Administrative waivers, extension documentation, etc. are required documentation.</p> <p>Note -This exemption does not apply to linear projects like roads or pipelines. Grandfathered projects are not exempt from the minimization alternatives analysis.</p>

- Provides list of qualifying exemptions
- If not exempt, applicants must complete an alternative site or route search
- Provides summary of search analysis and feasibility

No Discharge Alternatives Analysis Result



Sunflower Acres qualifies for an exemption. The project is located within a PFA. Also, Sunflower Acres cannot avoid impacts by using an alternative site that is outside of the Tier II watershed as it connects to existing road, water, and sewer infrastructure.



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Minimization Analysis Form

B. Tier II Forest Cover	
1. Instructions:	
a. If there is no net forest cover loss within the impacted Tier II watershed, mark this section N/A and proceed to Section C, Impervious Cover.	
b. <u>Complete the analysis for each Tier II watershed affected on a separate sheet</u>	
c. Insert the Tier II watershed name at the top of each box.	
d. "Potential Constraints" include forest loss due to ROW, property boundaries, regulatory requirements, etc.	
e. Explain in detail minimization alternatives considered, and any actions taken	

B. Tier II Forest Cover - - Tier II Watershed: _____	
2. Calculation of Potential Forest Cover Impacts	Acres +/-
a. Total on-site forest cover, <u>EXISTING</u> :	
b. Total on-site forest cover, <u>POST-PROJECT</u> :	
c. Total off-site reforestation or restoration, <u>IN</u> the Tier II Watershed listed above:	
d. Permanent forest loss due to <u>potential constraints</u> :	
e. <i>Total forest cover retained in Tier II Watershed</i> $2(b) + 2(c) =$	
f. <i>Total forest cover loss in Tier II Watershed</i> $2(e) - 2(a) =$	

B. Tier II Forest Cover - - Tier II Watershed: _____	
3. Forest Cover Loss Minimization	
If 2(d) is greater than 0, or if 2(f) is a negative value, evaluate on-site alternatives for forest cover impact minimization. Examples include minimizing ROW, alternate routes for roads, crossings, etc. to avoid forest cover impacts.	
4. Forest Cover Exhibit	
On an 8 1/2" by 11" sheet(s), prepare an on-site Tier II Forest Cover Exhibit. Using varying symbology, show a basic site layout relative to 2(a), 2(b), and 2(d) above. Prepare a separate exhibit regarding any off-site reforestation, or out-of-kind mitigation opportunities in accordance with Section D.	

- Calculates impacts
 - Stream impacts (lf)
 - Buffer impacts (sqft)
 - Forest Cover (acres)
 - Impervious Cover (acres)
- Evaluation of minimization alternatives
- Justification that minimization alternatives have been maximized



Mitigation Analysis Form

E. Tier II Mitigation

1. If mitigation is necessary:

- a. In-kind mitigation shall occur at a target ratio of 1:1, acre-for-acre.
- b. To satisfy the requirements of the Antidegradation Review, an applicant must demonstrate that they have conducted a robust alternatives analysis.
- c. Mitigation is required for unavoidable net forest cover loss, and any impervious cover increase that is not treated with ESD.

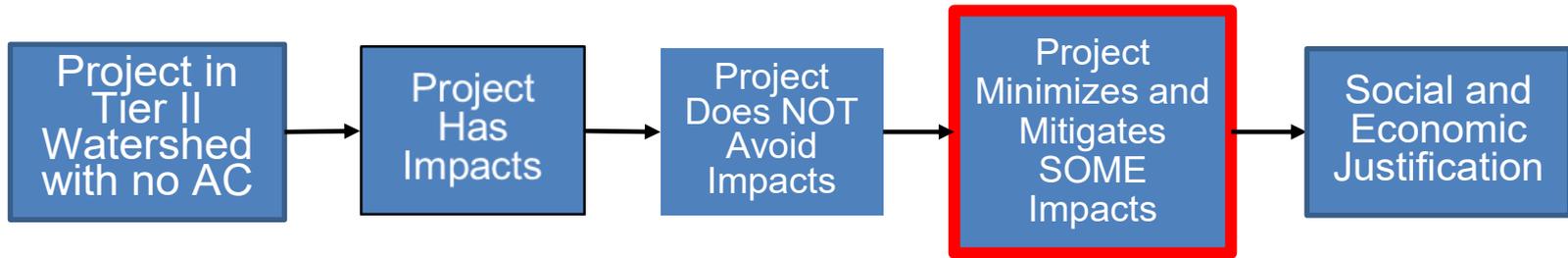
E. Tier II Mitigation and Other Potential Requirements

2. Mitigation Plan Components

- a. Statement of unavoidable impacts to Tier II waters. This is total loss calculated in A(2) and B (2). Identify values specifically associated with stream buffers, forest cover, and impervious cover. Tabular totals shall be broken according to resource type and Tier II watershed impacted. The accompanying narrative shall include a summary of why impacts are considered unavoidable.
- b. Preferred mitigation alternatives analysis within the impacted Tier II watershed. The order of mitigation alternatives is as follows:
 - i. In-kind, on-site
 - ii. In-kind, off-site
 - iii. Out-of-kind, on-site
 - iv. Out-of-kind, off-site
- c. Mitigation site alternative analysis. Establish site search criteria. All locations must be located within the affected Tier II watershed identified for each unavoidable impact. Tabular totals shall include the amount of mitigation/offset selected alternatives achieve. Include maps of each mitigation property.
- d. Site Description. Provide site address, name of property if known, map and parcel number, and centroid coordinates in latitude/longitude. Include maps of each mitigation property. Maps shall include natural resources (i.e. existing forest cover, streams, wetlands, etc.), roads, railways, and any other important identifying features.
- e. Protection Mechanism. Explain the plan proposed to ensure that all areas identified for mitigation shall be protected in perpetuity. Permittees shall be required to provide documentation in the form of covenants, landowner agreements, deed details, etc. as well as financial assurances. This shall be provided no more than 60 days after completion.
- f. Planting plan: Reforestation shall incorporate optimum vegetation selection guidance provided in the *State Forest Conservation Technical Manual, 3rd edition, 1997 by Maryland Department of Natural Resources*.
- g. Monitoring Reports. Properties shall be monitored for a minimum of five years to ensure site success. Reports shall provide visuals of establishment progress, as well as narrative descriptions. Include any issues encountered, overcome, and potential changes that may be necessary to meet objectives.

- Summarizes impacts
- Totals mitigation for each category
- Provides justification for unavoidable impacts
- Informs applicant of basic mitigation requirements
 - All mitigation must occur in the affected Tier II watershed
 - The mitigation property must be protected in perpetuity
 - Reforestation requires minimum 2yr of monitoring and reporting

Minimization and Mitigation Analysis Result



Sunflower Acres can mitigate 10 acres of forest loss with on-site reforestation and has placed another 30 acres into off-site conservation. This totals 25 acres of mitigation credit with 25 acres of impacts remaining.



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Tier II Social and Economic Report Template



Tier II Report Template-
Private Entity
Basic Reviews (Non-Linear Project)



Title Page:

- A. Tier II Antidegradation Review and Social and Economic Justification for the **PROJECT NAME AND ASSOCIATED APPLICATION NUMBER(S)**
- B. Date Prepared:
- C. Prepared By:
- D. On Behalf Of:
- E. For:

Section 1: Introduction

- A. Project Summary
- B. Report Executive Summary
- C. Antidegradation Policy (text provided below)
 - a. Federal antidegradation regulations (40CFR131.12) require states to develop and adopt a statewide antidegradation policy that protects all Waters of the U.S. from degradation. These regulations also require states to maintain the condition of high quality (i.e. Tier II) waters that have water quality that is better than the minimum standard necessary to meet designated uses.

The Maryland antidegradation implementation procedures are found in the Code of Maryland Regulations (COMAR) 26.08.02.04-2. This regulation explains how Maryland identifies Tier II waters, when a Tier II antidegradation review is required for certain State permits and approvals, and how to determine current Tier II water quality status based on new data. The regulation also describes the social and economic justification procedure that would be necessary in order to permit the lowering of water quality in a Tier II water. Document purpose – Pursuant to COMAR 26.08.02.04-2 (f), applicants must submit an SEJ if “(a) No cost-effective alternative to the discharge or water quality impacts is available; or (b) The cumulative degradation resulting from nonpoint source pollution and any other permitted discharges would diminish water quality”. Therefore, if impacts cannot be fully avoided, minimized, or mitigated, the applicant may have to provide MDE with an SEJ. The SEJ must demonstrate that an economic hardship and/or public benefit overrides the value of the ecological services or water quality benefit that the Tier II water segment provides. The applicant must also provide documentation to show that all reasonable avoidance, minimization, and mitigation alternatives have been considered, and where economically feasible, implemented.

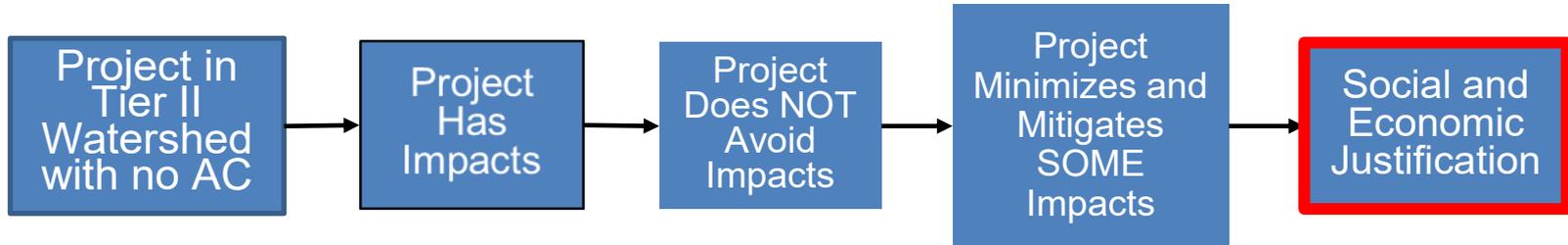
Section 2: No Discharge Alternatives Analysis (Refer to the *MDE Tier II No Discharge Alternative Analysis Form*)

Include EITHER A or B as applicable

- A. Exempt From Alternative Site Analysis
 - a. Provide a brief narrative of the exemption situation that applies to your project
 - b. OR See B
- B. Alternative Site Analysis
 - a. General Project Purpose Statement (generated from page 4 of the form)
 - b. Insert: Overview Map of Sites Evaluated
 - c. Insert Table 1: Alternative Site Evaluation Summary Analysis Table from page 5 of the form.

- Fillable word document that contains the minimum amount of information necessary for MDE to make a Tier II review decision
- Summarizes information from the forms
- Includes the project social and economic justification and information on completing mitigation reporting
- Completion allows the project to move forward with public notice

Social and Economic Justification Report Decision



Sunflower Acres provides sufficient information to justify the project's remaining impacts on an economic and social basis. Sunflower Acres is located within a PFA, will serve a newly created school district and planned service area. The development also provides an option for more affordable housing which will generate future tax revenue.



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Coming Soon

- Updated requirements to ensure consistent and complete responses
- Updated all analysis forms
- New analysis forms to help with mitigation
- New Guidance
 - Development Scenarios and Crediting system
 - Mitigation Guidance



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Tier II Resources

- For Screening: [Tier II Web Map](#)
- For Additional Information: [Maryland's High Quality Waters Webpage](#)
- Contact information:

Angel Valdez at angel.valdez@maryland.gov



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MUNICIPAL STORMWATER PROJECT STATUS

July 17, 2024

FUTURE PROJECTS:

Michael's Property (Hampstead) – Project is on hold until Town has obtained approval from property owners to move forward.

Hampstead Valley 2/3 (Hampstead) – Hampstead Valley facilities 2 and 3 will be retrofit as a stream restoration project to decommission Sycamore Drive as a roadway embankment. The design will include a stream restoration beginning immediately downstream of the proposed Hampstead Valley 1 facility and continue to Sycamore Drive.

CONCEPT DESIGN:

Hampstead Valley 1 (Hampstead) – Retrofit of existing detention basin to a surface sand filter. Site is located just south of Lower Beckleysville Road near a production well. Comments were returned to CLSI, the County is currently looking into how this project would impact a project at Hampstead Valley 2/3.

Manchester East (Manchester) – CLSI is working on the concept design of a new stormwater facility north of Manchester Valley High School, adjacent to the pump station. Comments were sent back to CLSI. Concept was reviewed by the property owner we are currently working to have an appraisal done of the parcels that will need to be acquired.

Meadow Ridge Basin 2 (Westminster) – Retrofit of existing facility to provide water quality through a surface sand filter. This site is adjacent to the pump station at the edge of the City limits. Century is currently working on a conceptual design. The County received proposals to complete geotechnical borings and is evaluating those and will be selecting a contractor.

New Windsor Wetland (New Windsor) - A new wetland facility is proposed adjacent to the Maryland Midland Railroad tracks and Dickenson Run. The proposed improvements include removing the existing inlet adjacent to the intersection of Water St and Church St, replacing it with a diversion structure that will route the 1-year storm discharges to the proposed wetland facility. A concept plan was submitted and review comments were sent back to BAI.

Public Safety Training Center (Westminster Well)- A retrofit for the Public Safety Training Center pond is in progress for the facility design and PFAS remediation. WRA is finalizing the concept plan for the surface sand filter. A team meeting was held July 17th to coordinate next steps.

PRELIMINARY DESIGN:

Hampstead Valley 4 (Hampstead) – A new surface sand filter and stream restoration project is proposed between Century Street and Downhill Trail. Culverts at Downhill Trail require realignment into the HOA parcel for dam breach approval. Soil borings were completed by KCI, the report was submitted to be reviewed by Stormwater Management. Final plans should be submitted the week of July 22nd.

Roberts Field Wet Facility (Hampstead) (DNR Grant Award- \$1,000,000)– Retrofit of wet pond to new hybrid wet pond/submerged gravel wetland. The recent concept submittal was approved with comments from the Town and Stormwater Management. Wallace Montgomery & Associates (WMA) is working on the preliminary plans. The Joint Permit Application has been submitted to MDE for review and comment. Final plans were reviewed and comments were returned to CLSI.

FINAL DESIGN:

CONSTRUCTION:

TREE PLANTING PROJECTS:

All the municipal plantings have completed their maintenance period and are now the responsibility of the municipalities. Please make sure that these areas are being mowed at least three (3) times per season.

Carroll County Water Resource Coordination Council

Hampstead * Manchester * Mt. Airy * New Windsor
Carroll County Health Department



* Sykesville * Taneytown * Union Bridge * Westminster
Carroll County Government

WRCC Meeting Summary August 28, 2024

Attendees:

Municipalities:

- Kevin Hann, Chair, Hampstead
- Jim Wieprecht, Vice Chair, Taneytown
- Zac Amoss, Westminster
- Gary Dye, New Windsor
- Delbert Green, Manchester
- Mayor Perry Jones, Union Bridge
- Rodney Kuhns, Manchester
- Alex Perricone, Manchester
- Mike Rawlings, Westminster
- Jim Roark, Hampstead
- Kevin Rubenstein, Sykesville
- Kevin Smeak, Taneytown
- Steve Strawsburg, Westminster
- Vance Summerhill, Westminster
- Dick Swanson, Mount Airy

CC PLM:

- Daphne Daly
- Brenda Dinne
- Glenn Edwards
- Catarina Erbe
- Andrew Gray
- Chris Heyn, Director
- Claire Hirt
- Byron Madigan
- Kelly Martin
- Mitch Masser
- Denise Mathias
- Zach Neal
- Janet O'Meara
- Pat Varga

Health Department:

- Richard Brace
- Nicole Bowman

CCG Others:

- Andy Watcher, CC DPW
- Bryan Bokey, CC DPW
- Jason Green, CC CPW
- Jacob Dellinger, CC M&B
- Hanley Allen, CC M&B

Guest Speakers:

- Adam Eshleman, DNR
Freshwater Fisheries

1. Opening Statement

Chair – Kevin Hann

Mr. Hann opened the meeting at 2:31 PM.

Mr. Hann noted that this month is the end of his two-year term as Chair. He is willing to continue serving but also wants to give someone else an opportunity if someone else wants to serve as Chair. At next month's meeting, nominations will be taken and a Chair & Vice Chair elected or re-elected.

Vice Chair – Jim Wieprecht

Nothing additional.

2. Approval of Meeting Summary – July 24, 2024

Approval of the July meeting summary was discussed. No changes were made.

APPROVAL OF MINUTES: Motion was made by Alex Perricone and seconded by Dick Swanson to approve the July 24, 2024, meeting summary. Motion carried.

3. Pond Retrofits for Cold Water Releases – Adam Eshleman, DNR

- Adam Eshleman from Maryland Department of Natural Resources Freshwater Fisheries Program shared information about thermal impacts of small ponds on trout streams. The program completed an inventory of small ponds. The Freshwater Fisheries Program [storymap](#) relating information about the installation of subsurface withdrawal devices on small pond riser structures in the Upper Gunpowder Watershed includes a map showing the locations of the identified small ponds.
- Subsequently, two ponds in Carroll County were selected to install these retrofits that would result in the cooler, deeper water being released instead of the warmer water at the surface. One is at Manchester's Pine Valley Park. The other is on a property owned by River Valley Ranch.

Reference/Attachment:

- *PowerPoint (attached): Evaluating the Thermal Impact of Small Ponds in Maryland Trout Watersheds*
- *Webpage: [Maryland DNR Freshwater Fisheries Program StoryMap](#)*

4. Municipal Stormwater Projects Update – Janet O'Meara

- Janet O'Meara provided an update on the municipal stormwater restoration projects.

Reference/Attachment:

- *Municipal Project Status, July 2024*

5. PFAS Discussion

- Mr. Swanson inquired whether the water in any of the stormwater management ponds has been tested for PFAS in the event that stormwater could be a source of PFAS contamination. No such testing has been done, but it is possible for PFAS to be contained in stormwater runoff.

Reference/Attachment:

- *N/A*

6. Water Resources Element (WRE 2024) Update – Brenda Dinne

a. Countywide Strategies Work Session

- During August, the WRE Technical Team staff completed a content review of the rough draft of the body of the plan text (background and conditions). Ms. Dinne will work on addressing those comments to create a complete initial draft of the first half of the plan document.
- Meetings are scheduled with several municipalities in September to review the rough draft of the individual, system-specific strategies sections. Ms. Dinne is updating the tables and any other information that was available from Hazen prior to the meetings. She will provide each municipality/system with their rough draft for review prior to that meeting. The purpose of the meetings is to review the background information and strategies to identify additional changes needed, actions already taken, and additional actions to be added. This information will be used to prepare a complete initial draft.
- The overall topics of PFAS and water reuse were discussed. These are topics that are, for the most part, new to the plan document. The discussion indicated that all systems will need to be open to new ideas, as more and more restrictions are continually being placed upon the systems. Certain ideas that seem out of reach may actually wind up being more efficient or cost effective in the long run. It was also suggested that the preservation and conservation of existing water supplies needs to be prioritized.
- Ms. Dinne asked everyone review the rough draft countywide strategies for specific suggestions and revisions to the existing document. They can be emailed to her or discussed

at the next meeting. In addition, all should feel free to email her with any specific new content ideas (strategies)/additions (action items) or revisions to the existing strategies and action items.

Reference/Attachment:

- N/A

7. Other

- September WRCC Meeting: The September meeting agenda will include a continuation of the WRE countywide strategies work session, in addition to the Chair/Vice Chair nominations/elections. A speaker has not yet been identified.
- Frank Schaeffer 5K Memorial Run: Ms. Dinne handed out flyers to the municipalities on behalf of Gary Dye. Mr. Dye requested that the flyers be shared to help promote the 5K run in Frank's memory.
- EPA Chesapeake Bay Milestone Evaluations: Mr. Heyn noted that the EPA recently released evaluations of each watershed state's progress toward meeting the 2025 goals for the Chesapeake Bay. Maryland is not on track to meet these goals. The report particularly calls out the agricultural and stormwater/urban sectors. The Maryland report seems to indicate that the EPA will be leaning harder on the state to put further requirements in place to achieve these goals, which could impact the NPDES MS4 permits. Ms. O'Meara added that Carroll County has been number 1 in the state for many years with BMP implementation. Funding is available, but the Soil Conservation District doesn't have the staff resources to assist with as much as could be done with the funds.
- Water & Sewer Master Plan Amendments: Mr. Gray pointed out that Freedom/Sykesville, Hampstead, Manchester, and Union Bridge will have amendments for the fall cycle. He will have more information at the next meeting.
- NPDES Annual Report: Mr. Massey noted that they have received half of the 8 completed jotforms from the municipalities needed for the Annual Report.

Reference/Attachment:

- *Webpage: [EPA Evaluation of 2022-2023 Milestone Progress and 2024-2025 Milestone Commitments](#)*

8. Water Resources Element (WRE 2024) Update – Brenda Dinne

- Plan Document:

Reference/Attachment:

- N/A

9. Adjournment

The meeting adjourned at 4:00 PM.

MEETING ADJOURNMENT: Motion was made by Dick Swanson and seconded by Alex Perricone to adjourn the August 28, 2024, meeting. Motion carried.

Upcoming Meetings:

- Regular Monthly Meeting – Wednesday, September 25, 2024*

MUNICIPAL STORMWATER PROJECT STATUS

August 28, 2024

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Evaluating the Thermal Impact of Small Ponds in Maryland Trout Watersheds

Adam Eshleman, Mark Staley, Michael Kashiwagi

Maryland Department of Natural Resources
Fishing and Boating Service
Freshwater Fisheries Program

1



Thermal Impacts of Small, Headwater Ponds on Trout Species in Maryland

- Extensive research has been done on the impacts that impervious surface and LULC change has had on stream temperatures
- What are the cumulative effects of pond prevalence in coldwater watersheds?
 - Topwater pond discharges
 - Dam failures
 - Stormwater ponds and infiltration
- On average, Piedmont coldwater watersheds have about two times as many small ponds as the Appalachian Plateau
 - Already at higher risk of thermal impacts



2



Project Goals

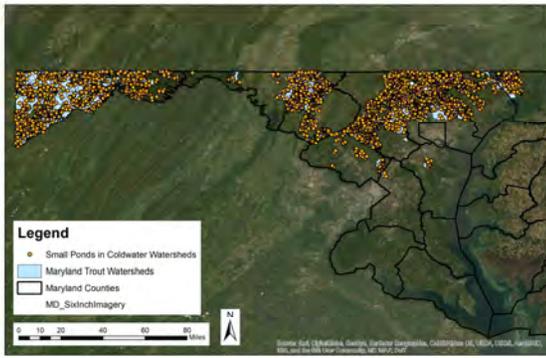
- Identify all ponds in all “coldwater” HUC12 watersheds across Maryland.
 - HUC12 watersheds where brook trout are present
 - HUC12 watersheds with naturally reproducing brown trout
 - Use Class III non-tidal coldwater watersheds
- No agency had a master list of ponds

3



Study Area

State of Maryland Sensitive Watershed Small Pond Inventory



- > 95% biological sampling coverage
- 11 counties with coldwater resources or use III waters

4

Identifying Ponds



- Multiple techniques and remote sensing datasets were explored
 - LANDSAT
 - NAIP and Chesapeake Conservancy 1m resolution 4 band imagery (leaf on)
 - Maryland 6 inch imagery (leaf off)
 - Flown in 2017 for western shore
 - Flown in 2019 for eastern shore

5

Identifying Ponds



- A combination of NAIP and the 6 inch leaf off imagery was determined to be most effective method
 - Near infrared band differentiated between water and canopy in highly forested watersheds
 - NIR can penetrate top layer of canopy
- Up to 48 percent of ponds could be missed using LANDSAT imagery
 - Many ponds impacting these watersheds are less than a pixel (30m) in size

6

HUC 12 Watershed Approach



- Why the watershed approach as opposed to a stream buffer approach?

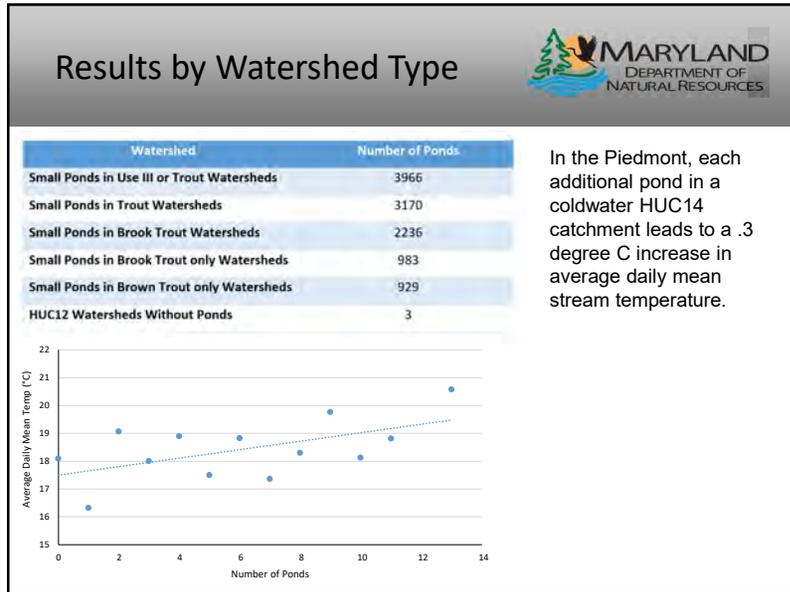
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HUC 12 Watershed Approach

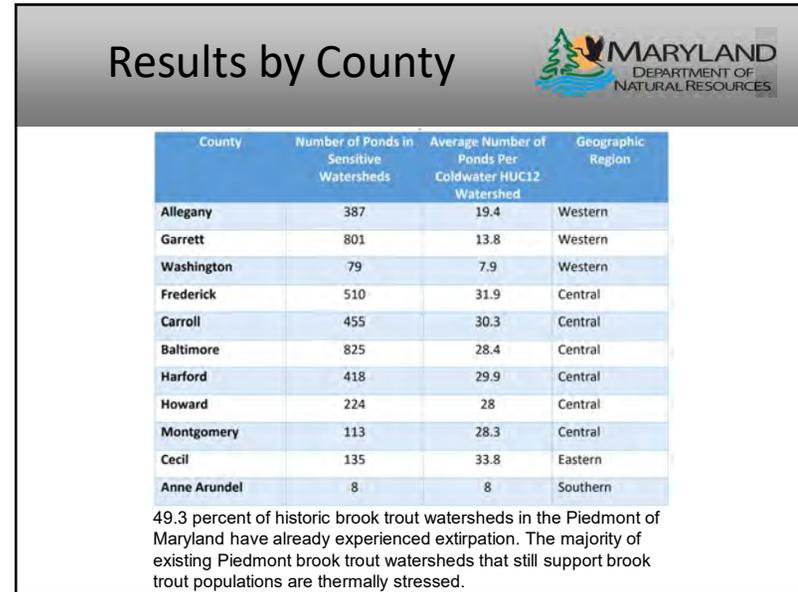


- 550m away from the NHD 1:24,000 layer
- “Zero Order” stream layer
- Demonstrates connectivity of these ponds to the watershed
- Storm flow discharge

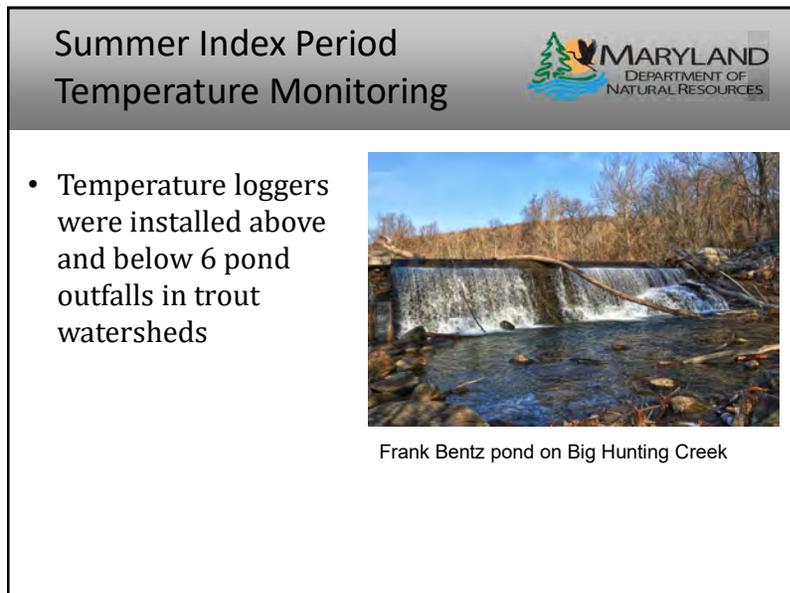
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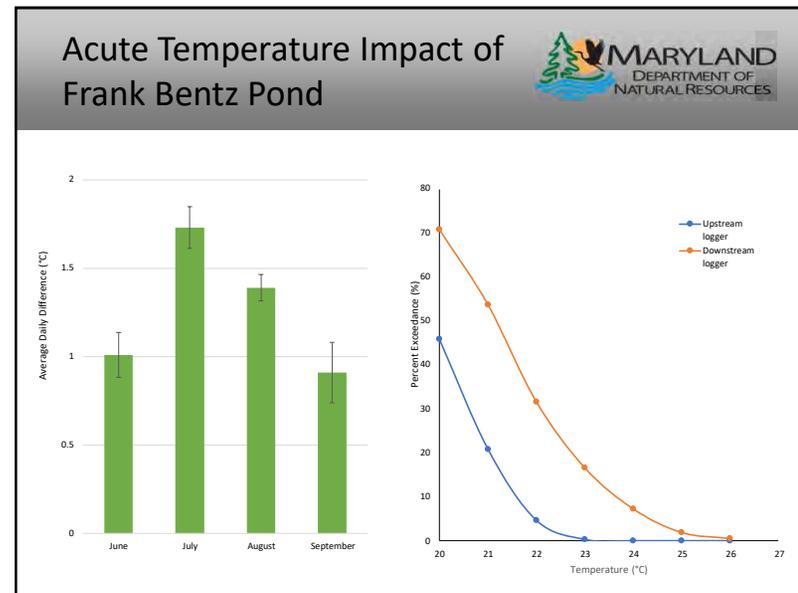
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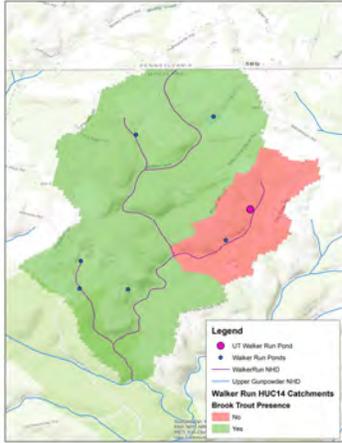


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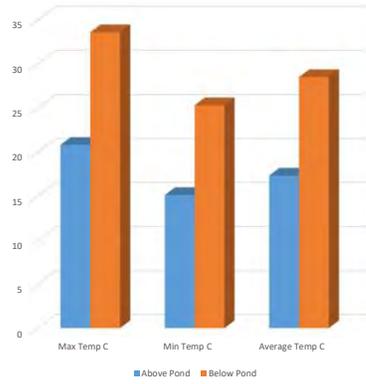


12

Walker Run (Baltimore County)



Walker Run Pond Temperature Influence June 1 - August 31



Carroll County Water Resource Coordination Council

Hampstead * Manchester * Mt. Airy * New Windsor
Carroll County Health Department



* Sykesville * Taneytown * Union Bridge * Westminster
Carroll County Government

WRCC Meeting Summary September 25, 2024

Attendees:

Municipalities:

- Kevin Hann, Chair, Hampstead
- Jim Wieprecht, Vice Chair, Taneytown
- Zac Amoss, Westminster
- Gary Dye, New Windsor
- Andrea Gerhard, Westminster
- Delbert Green, Manchester
- Greg Howell, Westminster
- Mayor Perry Jones, Union Bridge
- Rodney Kuhns, Manchester
- Steve Miller, Manchester
- Mike Rawlings, Westminster
- Jim Roark, Hampstead
- Kevin Rubenstein, Sykesville
- Kevin Smeak, Taneytown
- Steve Strawsburg, Westminster
- Vance Summerhill, Westminster
- Dick Swanson, Mount Airy

CC PLM:

- Brenda Dinne
- Glenn Edwards
- Catarina Erbe
- Andrew Gray
- Chris Heyn, Director
- Claire Hirt
- Mitch Masser
- Denise Mathias
- Zach Neal
- Janet O'Meara

Health Department:

- Richard Brace
- Nicole Bowman

CCG Others:

- Andy Watcher, CC DPW
- Bryan Bokey, CC DPW
- Hanley Allen, CC M&B

Guest Speakers:

- Ashlee Treece, DPW

1. Opening Statement

Chair – Kevin Hann

Mr. Hann opened the meeting at 2:30 PM.

Mr. Hann reminded everyone to attend the annual NPDES training on Friday, September 27, 2024.

Vice Chair – Jim Wieprecht

Nothing additional.

2. Approval of Meeting Summary – August 28, 2024

Approval of the August meeting summary was discussed. No changes were made.

APPROVAL OF MINUTES: Motion was made by Jim Wieprecht and seconded by Dick Swanson to approve the August 28, 2024, meeting summary. Motion carried.

3. Nominations & Elections for Chair & Vice Chair

- Mr. Hann was nominated by Mr. Swanson and seconded by Jim Wieprecht to continue to serve as Chair of the WRCC. Motion carried.
- Mr. Wieprecht was nominated by Mr. Hann and seconded by Mr. Swanson to continue to serve as Vice Chair of the WRCC. Motion carried.

Reference/Attachment:

- N/A

4. Overview of Current Recycling Projects & Initiatives – Ashlee Treece, CC DPW

- Ashlee Treece, the Recycling & Conservation Manager for Carroll County, provided an overview and update regarding current recycling projects and initiatives. Guides for recyclables are available on the Recycling website at RecycleCarroll.org. The website is being updated.
- Ms. Treece is working with scouts and 4H on recycling initiatives. She is also trying to reconnect with businesses and increase reporting to Maryland Department of the Environment (MDE).
- The fall household hazardous waste event, including shredding and medications/sharps collection, will be held October 19, 2024.
- A recycling app for Carroll County is in the works as well.

Reference/Attachment:

- *Webpage:* RecycleCarroll.org

5. Municipal Stormwater Projects Update – Janet O’Meara

- Janet O’Meara provided an update on the municipal stormwater restoration projects.
- MDE Dam Safety staff are out and about to check emergency action plans.

Reference/Attachment:

- *Municipal Project Status, September 2024*

6. PFAS Discussion

- Manchester and Taneytown are applying or have applied for grant funding to address PFAS treatment.
- Hampstead is waiting on checks from the PFAS lawsuits.

Reference/Attachment:

- N/A

7. Other

- Stormwater Management Regulation Changes: Mr. Heyn gave an overview of key changes proposed with MDE’s stormwater regulation updates. Water quality volume will increase from 1 inch of rainfall to 1.5 inches of rainfall. Overtreatment of water quality will be allowed. In all cases, runoff from off-site areas shall be diverted away from or bypass all ESD practices. The proposal eliminates the option to overtreat the off-site area as mitigation. The reduced curve number method will no longer be used. The required rainfall depths will increase from 2.54 to 3.00 inches for the 1-year storm, from 3.076 to 3.64 for the 2-year storm, from 4.87 to 5.73 for the 10-year storm, and from 8.06 to 9.56 for the 100-year storm. The peak discharge rate must be managed in a structural practice. The County must have an updated ordinance in place within 6 months of the adoption of the new regulations.
- Upcoming Meetings: The next meeting will be held on October 23, 2024. The WRE countywide strategies work session has been rescheduled to this meeting. The November meeting will be held on November 20, which is a week earlier than usual due to the

Thanksgiving holiday. Carroll County Comprehensive Planning will discuss the upcoming Carroll County Master Plan update process and municipal coordination.

- Environmental Symposium: The third annual Environmental Symposium will be held on Saturday, October 26, 2024. Kelly Martin will forward the information on the Symposium for the municipalities to share.
- Water & Sewer Master Plan, Fall Amendments: Mr. Gray reported that Manchester, Hampstead, and Freedom have amendments for the fall amendment cycle.

Reference/Attachment:

- N/A

8. Adjournment

The meeting adjourned at 4:00 PM.

MEETING ADJOURNMENT: Motion was made by Dick Swanson and seconded by Jim Wieprecht to adjourn the September 25, 2024, meeting. Motion carried.

Upcoming Meetings:

- ☐ *Regular Monthly Meeting – Wednesday, October 23, 2024*

MUNICIPAL STORMWATER PROJECT STATUS

September 25, 2024

FUTURE PROJECTS:

Michael's Property (Hampstead) – Project is on hold until Town has obtained approval from property owners to move forward.

Hampstead Valley 2/3 (Hampstead) – Hampstead Valley facilities 2 and 3 will be retrofit as a stream restoration project to decommission Sycamore Drive as a roadway embankment. The design will include a stream restoration beginning immediately downstream of the proposed Hampstead Valley 1 facility and continue to Sycamore Drive.

CONCEPT DESIGN:

Hampstead Valley 1 (Hampstead) – Retrofit of existing detention basin to a surface sand filter. Site is located just south of Lower Beckleysville Road near a production well. Comments were returned to CLSI, the County is currently looking into how this project would impact a project at Hampstead Valley 2/3.

Manchester East (Manchester) – CLSI is working on the concept design of a new stormwater facility north of Manchester Valley High School, adjacent to the pump station. CLSI resubmitted plans September 25th. Bitzel & Associates is working to have an appraisal done of the parcels that will need to be acquired. A copy of the plan was sent to the property owner for review.

Meadow Ridge Basin 2 (Westminster) – Retrofit of existing facility to provide water quality through a surface sand filter. This site is adjacent to the pump station at the edge of the City limits. Century is currently working on a conceptual design. The geotechnical evaluation was completed and the report has been sent to the engineer.

New Windsor Wetland (New Windsor) - A new wetland facility is proposed adjacent to the Maryland Midland Railroad tracks and Dickenson Run. The proposed improvements include removing the existing inlet adjacent to the intersection of Water St and Church St, replacing it with a diversion structure that will route the 1-year storm discharges to the proposed wetland facility. A concept plan was submitted and review comments were sent back to BAI.

Public Safety Training Center (Westminster Well)- A retrofit for the Public Safety Training Center pond is in progress for the facility design and PFAS remediation. WRA is finalizing the concept plan for the surface sand filter. We anticipate a plan submittal

PRELIMINARY DESIGN:

FINAL DESIGN:

Hampstead Valley 4 (Hampstead) – A new surface sand filter and stream restoration project is proposed between Century Street and Downhill Trail. Culverts at Downhill Trail require realignment into the HOA parcel for dam breach approval. Soil borings were completed by KCI, the report was submitted to be reviewed by Stormwater Management. Final plans should be submitted the week of soon.

Roberts Field Wet Facility (Hampstead) (DNR Grant Award- \$1,000,000)– Retrofit of wet pond to new hybrid wet pond/submerged gravel wetland. The recent concept submittal was approved with comments from the Town and Stormwater Management. Wallace Montgomery & Associates (WMA) is working on the preliminary plans. The Joint Permit Application has been submitted to MDE, we've received comments and have addressed them. The project was placed on public notice through Army Corps of Engineers, we are awaiting feedback. Final plans were reviewed and comments were returned to Wallace Montgomery.

CONSTRUCTION:

TREE PLANTING PROJECTS:

All the municipal plantings have completed their maintenance period and are now the responsibility of the municipalities. Please make sure that these areas are being mowed at least three (3) times per season.

Carroll County Water Resource Coordination Council

Hampstead * Manchester * Mt. Airy * New Windsor
Carroll County Health Department



* Sykesville * Taneytown * Union Bridge * Westminster
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WRCC Meeting Summary October 23, 2024

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- Zac Amoss, Westminster
- Gary Dye, New Windsor
- Andrea Gerhard, Westminster
- Delbert Green, Manchester
- Greg Howell, Westminster
- Mayor Perry Jones, Union Bridge
- Rodney Kuhns, Manchester
- Mark Mellendick, Westminster
- Dylon Miller, Westminster
- Steve Miller, Manchester
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- Janet O'Meara

Health Department:

- Richard Brace
- Nicole Bowman

CCG Others:

- Andy Watcher, CC DPW
- Bryan Bokey, CC DPW
- Hanley Allen, CC M&B

Guest Speakers:

- n/a

1. Opening Statement

Chair – Kevin Hann

Mr. Hann was unavailable. Vice Chair Wieprecht acted as Chair in his place.

Vice Chair – Jim Wieprecht

Mr. Wieprecht opened the meeting at 2:30 PM.

Mr. Wieprecht requested everyone to introduce themselves since there were some new faces.

2. Approval of Meeting Summary – September 25, 2024

Approval of the September meeting summary was discussed. No changes were made.

APPROVAL OF MINUTES: Motion was made by Dick Swanson and seconded by Steve Miller to approve the September 25, 2024, meeting summary. Motion carried.

3. Municipal Stormwater Projects Update – Janet O’Meara

- Janet O’Meara provided an update on changes to the status of the municipal stormwater restoration projects.
- Ms. O’Meara will send a copy of the Manchester East concept plan to the Town of Manchester.

Reference/Attachment:

- *Municipal Project Status, October 2024*

4. PFAS Discussion

- Taneytown requested MDE allow the City to suspend pumping on one well with PFAS in exchange for pumping more on another well that doesn’t have PFAS. The City is waiting on a response. The City also is still waiting on official word regarding grant funding.
- Manchester received a loan forgiveness grant of \$6.6 million. The Town is working on a grant for the wastewater treatment plant.

Reference/Attachment:

- *N/A*

5. Other

- Environmental Symposium: The third annual Environmental Symposium will be held on Saturday, October 26, 2024. Mr. Heyn encouraged all the municipalities to attend. The event has been growing each year. Some of the features this year are a bug zoo, demonstrations, storytelling by Carroll County Public Library, a rain barrel & compost bin giveaway, and a recycled art contest for high school students.
- Stewart Comstock: Mr. Heyn shared that Stewart Comstock, with whom many from the County and municipalities have worked with at Maryland Department of the Environment (MDE), passed away suddenly last week.
- NPDES Annual Report: Mr. Masser thanked everyone who has submitted the completed Jotforms for the Annual Report.
- Water & Sewer Master Plan, Fall Amendments: Mr. Gray has been meeting with all the municipalities to finalize new procedures. This is temporarily on hold while he processes the fall Water & Sewer Master Plan amendments for Freedom, Hampstead, and Manchester.
- Upcoming Meetings: The next meeting will be held on November 20, 2024, which is a week earlier than usual due to the Thanksgiving holiday. Carroll County Comprehensive Planning will discuss the upcoming Carroll County Master Plan update process and municipal coordination.
- A-StoRM Stormwater Regulations Update: Comments on MDE’s proposed stormwater regulations were sent to MDE on October 14. Ms. Dinne will send a copy of the letter to the municipalities.

Reference/Attachment:

- *Carroll County Comment Letter re Proposed Stormwater Regulations (dated October 14, 2024)*

6. Water Resources Element (WRE) Countywide Strategies – Work Session

- A work session was held on the initial rough draft of the WRE Countywide Strategies. Discussion was guided by a PowerPoint that focused on new or revised strategies and action items.
- The group completed review of the water supply and wastewater strategies. Ms. Dinne asked the group to review the stormwater strategies and send her comments. Any follow-up discussion will occur at the November 20 WRCC meeting.

Reference/Attachment:

- *PowerPoint: Discussion outline for discussing rough draft of WRE countywide strategies*

7. Adjournment

The meeting adjourned at 4:04 PM.

MEETING ADJOURNMENT: Motion was made by Dick Swanson and seconded by Gary Dye to adjourn the October 23, 2024, meeting. Motion carried.

Upcoming Meetings:

📅 *Regular Monthly Meeting – Wednesday, November 20, 2024*

MUNICIPAL STORMWATER PROJECT STATUS

October 23, 2024

FUTURE PROJECTS:

Michael's Property (Hampstead) – Project is on hold until Town has obtained approval from property owners to move forward.

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CONSTRUCTION:

TREE PLANTING PROJECTS:

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Christopher Heyn, P.E., Director
410-386-2949
Toll-free 1-888-302-8978
MD Relay service 7-1-1/1-800-735-2258



Department of
Planning and Land Management
Carroll County Government
225 North Center Street
Westminster, Maryland 21157

October 14, 2024

Mr. Raymond Bahr
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, MD 21230

**RE: Carroll County A-StoRM Stakeholder Comments
Draft Stormwater Regulations – Version 3**

Dear Mr. Bahr:

Thank you for reaching out to the A-StoRM stakeholders group regarding MDE's current proposed regulation changes sent on September 20, 2024. In reviewing the proposed changes, I offer the following comments.

There are two general comments related to the overall proposed changes.

1. Water Quality Treatment versus Flood Management – The primary focus of SB 227 was to direct MDE to update regulations related to new precipitation data in an effort to address climate change and flooding. This was acknowledged in the *Advancing Stormwater Resiliency in Maryland (A-StoRM) Maryland's Stormwater Management Climate Change Action Plan* document prepared for the Maryland General Assembly for FY2021. In that document it was stated:

“The state's Stormwater Management Law, Environment Article 4-201.1, now requires the Maryland Department of the Environment (MDE) to report on the most recent precipitation data available, investigate flooding events since 2000, and update Maryland's stormwater quantity management standards for flood control.”

It is concerning however, that MDE is proposing changes to water quality treatment requirements at this same time and the compounding effect that this will have on implementation. If there is empirical data that shows that treating 1 inch of rainfall has been ineffective in meeting the stormwater component of water quality standards, it would be appreciated if it could be shared. Published charts from MDE indicate that an increase of treatment from 1 inch to 1.5 inches as proposed would provide a minimal increase in pollutant removal efficiency compared to the significant cost for implementation.

It is understood that MDE is taking guidance on this change from *Technical Guidance on Implementing the Stormwater Runoff Requirements for Federal Projects under Section 438 of the*

Energy Independence and Security Act. This guidance document focuses on using appropriate stormwater practices to manage this volume of runoff on site, including the use of infiltration practices to mimic the infiltration realized in undeveloped conditions. The requirements of this document can be met with other aspects of MDE's proposed changes related to channel protection volume without redefining Maryland's Water Quality Volume.

Carroll County strongly advocates that MDE approach the new design regulations from the perspective of providing tools to be used and allowing local jurisdictions to meet the stormwater management requirements by utilizing those tools as appropriate for site conditions. Carroll County recommends:

- Water quality volume be treated by ESD features for 1 inch of rainfall depth. These ESD features may be both volume-based and runoff-based practices, essentially any Chapter 5 practices.
- Channel protection be addressed for the adjusted one-year, 24-hour storm, or 3 inches of rainfall with any volume-based practices that provide water quality treatment. This includes ESD, infiltration, or Chapter 3 practices. The point is that a stormwater system suitably engineered for capture, conveyance, storage, attenuation, and treatment addresses this criterion and provides greater treatment than the EPA guidance.

2. Volume Management – From documentation and discussion, there is a general direction being taken to separate Water Quality treatment, Channel Protection, and Peak Management. Specifically, this relates to (ESD) practices. Functionally, these practices can be separated into those that reduce runoff, such as pervious pavement and sheet flow to buffer, and those that temporarily store a volume of water and then treat it. It needs to be recognized that the volume-based designs contribute to addressing channel protection and flooding.

Carroll County strongly advocates that MDE approach the new design regulations from the perspective of providing tools to be used and allowing local jurisdictions to meet the stormwater management requirements by utilizing those tools as appropriate for site conditions. It is understood that the impetus for these regulation changes is to address climate change and flood management. We support requirements to adequately address Channel Protection and Peak Management. However, this can be accomplished using site specific Best Management Practices (BMPs) that are properly engineered and maintained.

Should MDE perpetuate the change in required water quality volume, Carroll County recommends the following.

- Water quality volume be treated by ESD features to the new level of 1.5 inches of rainfall depth. These ESD features may be both volume-based and runoff-based practices, essentially any Chapter 5 practices.
- Channel protection and Peak Management be addressed with any volume-based practices. This includes ESD, infiltration, or Chapter 3 practices. The point is that a stormwater system suitably engineered for capture, conveyance, storage, and attenuation address these criteria.

The following are more detailed comments regarding specifics in the Draft Regulations and revised Chapter 2 provided for review.

Regulation Changes

01-1 Incorporated by Reference

B. With removal of MD-378, is the intent that MD-378 will no longer be a requirement and MDE will be covering MD-378 requirements in future MDE Dam Safety Guidelines and Policies?

.02 Definitions

B.(11) – The definition of “Develop land” as written does not include subdivision of property. Compare to .05 on page 9. “A person may not develop land without an approved final stormwater management plan.” As currently defined, this would allow paper subdivision of lots and strips for roads, etc., without going through the process of providing a stormwater management design. Once the lots and streets are recorded it may not be possible to provide adequate stormwater management.

B.(12) – Reconsider definition of development project. Simply stating that it must comply with this chapter does not define what it is.

B.(13) – Development Site – Provide clarity. The definition indicates that it must “include” the Limits of Disturbance (LOD). This does not mean “only” LOD. If the intent is that management only be provided for the LOD, then explicitly state this. If the intent is that the development site may be larger, then define what it must include. Is this drainage area? If Drainage area, can some areas not being developed then be excluded from treatment?

Note that the guidance that MDE is referencing, *Technical Guidance on Implementing the Stormwater Runoff Requirements for Federal Projects under Section 438 of the Energy Independence and Security Act*, refers to the project “footprint” which is clearly intended to indicate the LOD. To remain consistent with the EPA guidance, this definition should be specific to the LOD.

Finally, if the intent is only the LOD, recommend clarifying that there be no exclusions or interior polygons allowed. No “doughnut holes.”

B.(16) – When runoff leaves an area of interest as unconcentrated flow, the drainage area is often to a line of interest or line of investigation, not a point. Consider clarifying the definition of drainage area.

B.(24) – Overbank flood protection volume – Assume this is referencing Q10. If so, please specify as well as add “ Q_p ” to define the symbol. Note that ESD practices that provide volume management contribute to overbank flood protection. Therefore, the definition should be clarified to not limit management to only structural practices.

B.(28) – Include “ Re_v ” to define the symbol.

B.(34) – Stormwater conveyance is too broad a definition. As defined, this is every area exposed to rainfall. This is critical as this term is included in the definition “Stormwater management system” which then perpetuates through other criteria such as inspection requirements. As written, a BMP inspection would include an entire drainage area and infrastructure from downspouts to closed storm drain systems. This is onerous.

B.(35) – Add “ Q_p ” to define the symbol.

B.(37) – Stormwater management system – As indicated for stormwater conveyance, the scope of this definition needs to be clarified and reduced in scope. As stated, a stormwater management system includes all features exposed to rainfall and runoff.

B.(38) – Add “ WQ_v ” to define the symbol.

B.(38) – Ensure that this definition is consistent with the Chapter 2.1 change. WQ_v is being proposed to be changed from 1 inch to 1.5 inches. Unless climate change has changed the distribution significantly, this would be a change from 90% to 95% respectively. Ensure definitions are correct and consistent.

.03 General Provisions

A.(d) – As written, this still allows for different rules to be established for State and Federal projects. Federal, State, and Local development projects are all similar in scope and have the same effect on the natural environment. Consistency of regulations would be equitable and eliminate confusion of applicability. If the impetus for this is the linear nature and limited rights-of-way related to Maryland State Highway Administration projects, then this design scenario should be addressed, not provide different rules for MSHA to follow. These same issues occur with local roadways and they should be afforded the same rights.

E. Adoption time frames. Under A.(1), MDE commits to producing a model ordinance. Local submission of proposed ordinances should follow not only adoption of these regulations, but also publishing of the model ordinance. This issue was illustrated with the recent Forest Conservation Act changes in which local codes were required to be changed by a set date, but the Department of Natural Resources was unable to provide guidance or the model ordinance in advance of that date. MDE should avoid the same mistake and simply acknowledge that local codes are to be updated following MDE providing the required documentation.

Additionally, adoption of local ordinances must be tied to the approval of the ordinance by MDE, not the date of adoption of the regulations. Local municipalities have no control over the time frame in which MDE will review and approve the submitted draft ordinance.

Also note typo, “...development projects to implement the policies...”

.05 When Stormwater Management is Required

B.(2) – Recommend inserting the word “cumulative” into this requirement. Without this clarification, a property owner could piecemeal improvements and not trigger requirements even

if cumulative effects exceed the limits of 04.B.(1)(C). We have had developers ask how long they need to wait between projects so that multiple 4999 ft² disturbances would be exempt.

C.(3)(b)(i) – Require that “adequate” stormwater conveyance exists. Older developments often have stormwater conveyance, but it was designed to lesser standards and inadequately sized storm drain systems.

C.(3)(b)(ii) – Expressly state that quantity management must be provided for all new impervious if that is the intent.

D(1)(a), (b), (c) – Revise to eliminate the term “site”, “off-site”, and “on-site.” The definition of “site” has been removed.

.08 Stormwater Management Practices

B.(1)(g) – Add “except as necessary to meet stormwater management obligations.” It is common to mass grade sites to make development sites qualify for non-structural management practices.

.08 Stormwater Management Plans

E.(2)(e) – Please add CPv and Rev to be consistent.

F. – All reference to existing standard plans on Page 16 have been removed. Please clarify if new plans must be developed, who is responsible for developing them, etc. What is MDE’s intent with this change?

.10 Construction Inspection and Enforcement

A.(3) – Should include that ESD practices can be certified by professional land surveyor to be consistent with 7(F).

G. There is a process in place regarding MD 378 structures and reporting those to Soil Conservation District. However, we are not aware of a process for all BMPs. Currently, BMPs are reported in the annual NPDES report. Is this code redundant given other reporting mechanisms? We recognize that this is existing code; however, if this is not being performed, should the opportunity be taken to revise?

Note, there is no differentiator here between ESD practices and structural practices. Some projects have significant number of practices. If a subdivision has 100 ESD practices constructed over a 2-year period, does MDE truly wish to have continues reporting of individual ESD practices over that duration? This is a significant administrative burden to both local jurisdictions and MDE, and unnecessary as it is duplicative to NPDES reporting.

0.11 Maintenance – The inclusion of the newly defined “stormwater management system” in the requirement for triennial inspections is onerous due to the unreasonably expansive definition of stormwater management system.

Chapter 2

Page 2.1 – First paragraph – Expand redevelopment section to include criteria for providing stormwater management for redevelopment projects that includes the net new impervious treated to new development standards.

Page 2.2 – WQv is the volume needed to capture the runoff from 90% of the average annual rainfall. If P is increased from 1 inch to 1.5 inches, is this still 90% of the average annual rainfall or is it 95%?

Page 2.4. – Please add a statement that if a site contains paved and unpaved areas the weighted runoff approach must be used even if Table 2.1 is used for the direct runoff amounts. The temptation will be to use a single composite RCN for the entire site. For sites with low amounts of impervious, this will produce little or no runoff. The weighted runoff approach will at least include the runoff generated by the impervious surfaces.

Page 2.6 – Last bullet – Recharge can be addressed with structural practices if designed appropriately as part of a stormwater management system. This bullet should not limit designs to only ESD practices.

Page 2.7 – Sixth bullet – We disagree with eliminating any method that recognizes volume provided by ESD facilities.

Page 2.7 – Last bullet – Please emphasize that the SCS Type II rainfall distribution is not appropriate for the required NOAA Atlas 14 rainfall depths. The Type C distribution or other approved distribution must be used. This is important as we have engineers who are arguing that they can continue to use SCS Type II distributions with the NOAA Atlas 14 rainfall depths.

Table 2.2 – Adjusted Rainfall Depths for the 1-year – 24-hour storm are not consistently increased by 13% as per the footnote. See Wicomico County with a 50% increase. Carroll County is increased by 18%. Please explain.

Page 2.10 – Last paragraphs. Requiring two different methods for determining that CP management has been achieved based on site scenarios is overly complex. Simply requiring analysis of the TR-20 output to validate that the center of mass shift has been achieved is simple and meets the design intent.

Page 2.12 – Fourth bullet - Please emphasize that the SCS Type II rainfall distribution is not appropriate for the required NOAA Atlas 14 rainfall depths. The Type C distribution or other approved distribution must be used.

Page 2.13 – First and third bullets – This is a significant issue. ESD practices that provide volumetric management effectively contribute to the management of Qp. Consider a single residential building lot that currently could address stormwater management requirements with drywells. Appropriately sized drywells can effectively address Qp requirements. As proposed, a supplemental structural practice would be required for a single residential building lot to address the now required Qp. This is cost prohibitive, entirely unnecessary, and in direct conflict with

State goals of increasing availability of affordable housing.

Page 2.14. – If the same hydrologic and hydraulic methodologies used for over bank flood control shall be used to analyze Qf, is the intention to base predevelopment and post development on different rainfall amounts (8.06” and 9.56” in Carroll)? Please be explicit.

Pages 2.15-2.17 – Page headings are “Stormwater Hotspots.” Please correct.

Page 2.15 – Second Bullet – It would be helpful to provide a list of practices that can incorporate a Rev component. This would help address the concern that more than just ESD practices can provide Rev. Consider the Carroll County surface sand filter design that effectively provides recharge.

Page 2.15 – Fourth bullet – This is inconsistent with page 2.10. CPv in a structural practice is achieved if the center of mass has been shifted appropriately. Describing in this section that it is achieved by a release over 36 hours will create confusion. Additionally, this is not entirely correct. 36 hours is correct for Use Class I & II watersheds. 24 hours is required for Use Class III & IV watersheds.

Page 2.17 – Item 4 – Please clarify this statement. Does “...and all remaining areas of the development site” imply that a development site can be both redevelopment and new development?

Again, thank you for the opportunity to review and comment on these documents. We appreciate the ongoing collaboration with MDE to address these important issues.

Sincerely,



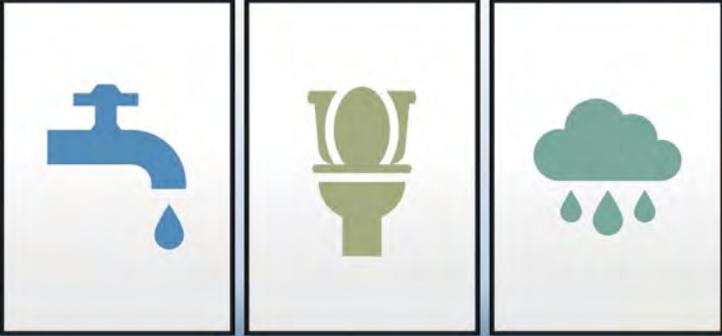
Christopher Heyn, PE

Director

Carroll County Department of Planning and Land Management

Cc: Daphne Daly, Deputy Director, Carroll County Department of Planning and Land Management
Janet O’Meara, Chief, Carroll County Bureau of Resource Management
Pat Varga, Carroll County Environmental Review Supervisor
Martin Covington, Carroll County Stormwater Engineer
Chad Wasileski, Carroll County Stormwater Engineer
Myron Frock, Stormwater Management Review Assistant
Sarah Kowalski, Stormwater Reviewer
Brenda Dinne, Carroll County Department of Planning and Land Management Special Projects Coordinator

WRCC Countywide Strategies Work Session
23 Oct 2024



Carroll County WRE 2024

Project Manager: Brenda Dinne
bdinne@carrollcountymd.gov
410-386-2140

1



Quick Overview

- Element of Comp Plan
- Update every 10 years
 - Originally adopted 2010
 - Many reg & policy changes since 2010
 - State guidance released 2022
- Hazen → updated Malcolm Pirnie supporting docs from Jan 2023 to May 2024
- Muni & County demand & capacity data collected 2022-2023 (fixed point in time)

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2



3 Broad Topics Addressed

- Water supply
- Wastewater
- Stormwater

23 October 2024

3



New Items from State Guidance

- Ensure receiving waters protected as local land use plan is developed & implemented, reflecting changes to MDE water resources programs since 2010
- Integrate climate change considerations, particularly flooding risks, into drinking water, WW, and SW assessments of WRE

23 October 2024

4



3 Main Sections of Plan Doc

- Background/Supporting Data
 - Water Supply
 - Wastewater
 - Stormwater
- **Countywide Strategies/Action Items**
- System-Specific Info & Strategies/Action Items
 - *Meetings & Updates in Progress*

23 October 2024

5



Since 2010: Current & Upcoming

- Bay & local TMDLs
- NPDES Permit Requirements
- Tier II Waters
- Temperature TMDLs
- PFAS & other emerging contaminants (lithium, salt, etc.)
- Climate Change priority
- A-StoRM
- Revised SW regs
- Flood/watershed management plans

** We need strategies & action items to address these issues.*

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Countywide Options: Water Supply

- Diversification
- Conservation & Demand Management
- Reservoirs
- Surface Water Intake
- Quarries
- Groundwater
- Interconnection
- Reuse

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Countywide Options: Wastewater Supply

- Water Reuse
- Effluent Recycle / Reuse
- I&I Reduction / Funding
- ~~Bubble Permits~~
- Septic Hookup Credits & Improvements
- Nonpoint Source Nutrient Credit Trading?
- TMDL Tracking
- Watershed / Flood Management

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Specific Strategies & Action Items: Structure

- **Strategies** → what we're trying to achieve in a broad sense
 - **Specific Action Items** → more specific (but not detailed) actions that can be taken to achieve the strategy
 - Already in Place**
 - Ongoing**
 - "To Do"**
 - Short-Term**
 - Long-Term**

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Rough Draft

- Already reflects 2021 Status Report changes
- Includes remaining strategies/action items from 2010 WRE
- Moved up some items already in place or ongoing since 2021 Status Report
- Added some known new items in place, ongoing, To Do
- Replaced reference to NPSS with TMDL/WQ + shifted action items around
- **Focus On Adding Strategies & Action Items to:**
 - Address climate change
 - Address emerging contaminants &/or PFAS
 - Reflect current or needed activities based on changes in policies & regs since 2010

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Water Strategies

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Water Strategies

- 1.106 Protect and sustain **existing water supplies** serving existing development
- 1.107 Identify and develop, as needed, **new water supplies** adequate to support planned future growth without over-allocating available sources
- 1.108 Promote water **conservation** measures and **manage demand** for potable water to ensure adequate supplies are available for planned development
- 1.109 Develop **emergency supply** plans and measures
- 1.110 Evaluate opportunities to pursue **potable water reuse** as a drinking water source
- 1.111 **PFAS?** ? Just PFAS or emerging contaminants as a whole ?

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Wastewater Strategies

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Wastewater Strategies

- 1.112 Sustain **existing** wastewater treatment capacity
- 1.113 Develop **new** public wastewater treatment and disposal capacity

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Stormwater Strategies

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Stormwater/Water Quality Strategies Consolidated

- 1.114 **Protect or restore water quality**, keep waters off MD's list of impaired waters, and make **progress toward any applicable TMDLs**
- 1.115 Enhance **stormwater management programs**
- 1.116 **Reduce nutrient loading** to improve water quality and minimize treatment needs and costs
- 1.117 **Reduce the amount of impervious surface that could result from development**
- 1.118 Identify **changes to planned land use patterns** and land development requirements to help achieve the needed **reduction in pollutant loads**
- 1.119 Reduce nitrogen load impacts from **private septic systems**
- 1.120 Establish additional measures to protect Carroll County's and Baltimore City's **reservoir watersheds**
- 1.121 Investigate the use of **reclaimed water** in appropriate areas to **supplement water supply capacity** and **address water quality issues**
- 1.122 Protect, improve, and maintain streams designated by the State as **Tier II High-Quality Waters**
- 1.123 **Reduce flood event impacts** to water quality
- 1.124 Identify measures to address/mitigate expected water-related **climate change** impact beyond flooding

Moved actions items to 1.114, 1.115, or 1.118

Moved actions items to 1.118 land use patterns

Moved actions items to 1.118 land use patterns

Move actions items to 1.124 climate change?

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Action Items

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Specific Strategies & Action Items: Structure

- Strategies → what we're trying to achieve in a broad sense
- Specific Action Items → more specific (but not detailed) actions that can be taken to achieve the strategy
 - Already in Place
 - Ongoing
 - "To Do"
 - Short-Term
 - Long-Term

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Rough Draft

- Already in Place AND Ongoing:
 - 2010 WRE action items in place
 - Action items moved up from Ongoing or To Do "[since 2010]"
- To Do:
 - Remaining from 2010
 - Added from Hazen info
 - Added based on current regs/policies we have to address
- Focus On Adding Action Items to:
 - *Reflect current or needed activities based on changes in policies & regs since 2010*

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Water Action Items

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Protect and sustain existing water supplies serving existing development

- **In Place:**
 - Feasibility of re-using water pumped from area quarries: NW
- **Ongoing:**
 - Track long-term trends in well levels
 - Lead & Copper Rule inventory
 - Identify wells w PFAS amount >MCL & remediate
- **Short-Term:**
 - Lead & Copper Rule
 - Water Resource Management Ordinance
- **Long-Term:**
 - Feasibility of re-using water pumped from area quarries
- **Other?**

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Identify and develop, as needed, new water supplies adequate to support planned future growth without over-allocating available sources

- **In Place:**
 - Evaluated Brinkley Bill method/process
- **Ongoing:**
 - Continue to support reservoirs for potential future option
- **Short-Term:**
 - Add short-term WRE projects to W&S plan
 - Coord w MDE to update W&S plan regs
- **Long-Term:**
 - Groundwater model to ID source of contamination & track WQ issues; improve exploratory well drilling; improve GW info consistency across munis
 - Use GIS to overlay zones of elevated groundwater concentrations
 - Additional lithium monitoring
 - Additional protection for existing/proposed reservoirs
- **Other?**

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Promote water conservation measures and manage demand for potable water to ensure adequate supplies are available for planned development

- **In Place:**
 - Incentives to retrofit fixtures
 - Public education & outreach
- **Ongoing:**
 - Coord via WRCC
 - Public education & outreach
- **Short-Term:**
 - Drought management plans: **Manchester, Westminster**
 - Water demand tracking methods
 - Smart meter technology
 - Water conservation plans: **Hampstead**
 - Incentives development projects to reduce water usage beyond required
 - Incentives existing development retrofit to high-efficiency fixtures & appliances
- **Long-Term:**
 - ??
- **Other?**

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Develop emergency supply plans and measures

- **Short-Term:**
 - Risk & Resilience Assessments & Emer Resp Plans
 - Lead & Copper Rule
- **Long-Term:**
 - Emergency supply plans & implement measures
- **Other?**

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Evaluate opportunities to pursue indirect potable water reuse as a drinking water source

- In Place:
 - PUREWater Westminster
- Short-Term:
 - Outreach materials: public + elected officials
 - Require reuse for ind process/cooling; onsite nonpotable reuse
 - Encourage MDE to adopt resid graywater regs
- Long-Term:
 - Evaluate feasibility; funding sources
 - Investigate reuse for GW storage & recharge
- Other?

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PFAS?

How to address...

- Add strategy specifically for PFAS? **OR**
- Add strategy for water supply contaminants in general and address PFAS under it? **AND**
- Address under W, WW, *and* SW (Protect & Sustain Existing Water Supply **AND** Protect & Sustain Existing WW Capacity **AND** Protect & Restore Water Quality/TMDL strategies) **OR** just water supply?

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PFAS or (Emerging?) Contaminants

- In Place:
 - Monitoring; sampled sources for PFAS; documented and notified per MDE/EPA
- Ongoing:
 - Evaluate actions required to mitigate PFAS
 - Secure funding to mitigate PFAS
 - Strategies/plans to bring into compliance
- Short-Term:
 - PFS Mitigation Plan; allocate resources to implement; coord w MDE
- Long-Term:
 - Establish funding/resources for future operational needs
- Other?

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Wastewater Action Items

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Sustain existing wastewater treatment capacity

- In Place:
 - ENR upgrades for majors; NW in progress
- Ongoing:
 - I&I improvements; funding
- Short-Term:
 - I&I studies; budget annually for I&I improvements
 - Spray irrigation to expand WWTP capacity as alternative to stream discharge
- Long-Term:
 - ENR treatment @ Union Bridge WWTP
 - Water reuse
 - Spray irrigation @ landfill to reduce leachate to be hauled
- Other?

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Develop new public wastewater treatment and disposal capacity

- In Place:
 - Identify WWTPs w/o sufficient raw water allocation to operate @ higher capacities
- Short-Term:
 - Identify WWTPs that could be limited by potential PFAS regs
- Long-Term:
 - Increase capacity where not exceed nutrient caps
 - Spray irrigation where PFAS not concern - industrial and/or WWTP expansion
 - Coord w MDE to update W&S plan regs
- Other?

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Stormwater / Water Quality Action Items

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Protect or restore water quality, keep waters off Maryland's list of impaired waters, and make progress toward any applicable TMDLs

- In Place:
 - ENR upgrades for majors; NW in progress
 - PUREWater Westminster (in progress)
 - Countywide TMDL SW Implementation Plan
- Ongoing:
 - WQ monitoring
 - MS4 Permit activities: **SW retrofits**/restoration requirements, Stream Buffer Initiative, storm drain clean outs, update & progress re Countywide TMDL SW Implementation Plan
- Short-Term:
 - Increase urban tree canopy
 - Impending temp TMDL(s) → small pond decommissioning
- Long-Term:
 - ENR upgrades for minor WWTPs
 - Zero discharge/water reuse treatment plants in impaired waters
 - Land application where PFAS not a concern
- Other?

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Enhance stormwater management programs

- **In Place:**
 - Watershed Restoration & Protection Program (WPRP) + Fund
- **Ongoing:**
 - Annual WPRP update
 - Biennial FAP
 - SW facility maintenance program and funding
 - Ag Pres
- **Short-Term:**
 - Adopt MDE's updated SW regs per A-StoRM initiative
- **Long-Term:**
 - ??
- **Other?**

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Reduce nutrient loading to improve water quality and minimize treatment needs and costs

Eliminated & combined into...

Protect or restore water quality, keep waters off Maryland's list of impaired waters, and make progress toward any applicable TMDLs

OR

Enhance stormwater management programs

OR

Identify changes to planned land use patterns and land development/use requirements to help achieve reduction in pollutant load

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Reduce the amount of impervious surface that could result from development

Eliminated & combined into...

Identify changes to planned land use patterns and land development requirements to help achieve the needed reduction in pollutant loads

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Identify changes to planned land use patterns and land development/use requirements to help achieve reduction in pollutant load

- **In Place:**
 - Developed MapShed watershed/TMDL model
 - Populated MDE's TIPP spreadsheets for TMDL progress tracking/reporting
 - Conservation Conservancy CBP model land cover update
- **Ongoing:**
 - SW retrofits in existing older subdivisions
 - BLI update
 - TIPP spreadsheets
- **Short-Term:**
 - **Decrease allowable densities outside DGAs**
 - Evaluate land use designations in sensitive areas
 - **Policies to reduce IA permitted in development**
- **Long-Term:**
 - ??
- **Other?**

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Reduce nitrogen load impacts from private septic systems

Eliminated & combined into...

Identify changes to planned land use patterns and land development requirements to help achieve the needed reduction in pollutant loads

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Establish additional measures to protect Carroll County's and Baltimore City's reservoir watersheds

- **In Place:**
 - ??
- **Ongoing:**
 - Support reservoir agreement
 - Continue to participate with RTG
- **Short-Term:**
 - ??
- **Long-Term:**
 - ??
- **Other?**

Keep or consolidate?
Action items to be moved if this is consolidated w/ another strategy

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Investigate the use of reclaimed water in appropriate areas to address water quality issues

- **In Place:**
 - PUREWater Westminster pilot project
- **Ongoing:**
 - Work w/ MDE to develop water reuse regs: Westminster
 - I&I improvements
- **Short-Term:**
 - Local measures to implement MDE resid graywater regs
- **Long-Term:**
 - Water reuse to address capacity limitations
 - Spray irrigation where PFAS not a concern
 - Maximize recycled water for outdoor use
- **Other?**

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Protect, improve, and maintain streams designated by the State as Tier II High-Quality Waters

- **In Place:**
 - Provide developers w MDE's Tier II review process
 - MDE presented Tier II process to WRCC
- **Ongoing:**
 - Education of staff and local developers
- **Short-Term:**
 - ??
- **Long-Term:**
 - ??
- **Other?**

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Reduce flood event impacts to water quality

- **In Place:**
 - Identified areas of frequent flooding & developed database
- **Ongoing:**
 - Participate in the Stakeholder Advisory Group, the Stormwater Regulation Technical Advisory Group (TAG), the Watershed Studies TAG, and the GIS TAG
- **Short-Term:**
 - Define “flooding event” w MDE
 - Update local SW regs per MDE regs
 - Develop watershed-specific flood management plans as needed
 - CFMGP funding to support watershed studies & related modeling
 - Identify critical infrastructure located in floodplains + adaption strategies
- **Long-Term:**
 - Watershed plans/model to inform comp plan land use decisions & development
- **Other?**

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Identify measures to address or mitigate expected water-related climate change impacts beyond flooding to the extent practicable

- **In Place:**
 -
- **Ongoing:**
 - CC DPW participates in BMC Climate Action Plan
- **Short-Term:**
 - Investigate grant opportunities within MD database
 - Identify WQ BMPs that also benefit GHG, energy use, wildlife, flood risks, baseflow protection, etc.
- **Long-Term:**
 - ??
- **Other?**

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Next Steps

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Next Steps: Draft Plan Doc

- Countywide Strategies → Revise per work session
- System-Specific Sections →
 - Meet w/ remaining munis: Mt. Airy, Sykesville
 - Revise each per meeting
 - Send each back to muni/Andy for review
 - Revise per any additional comments
 - Update Carroll County section
- Background → Revise per Tech Team review
- Initial complete first draft → Shooting for end of Dec

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Next Steps: Beyond Draft

- Review w/ planning commissions
- 60-Day Review
- Planning commissions public hearing
- Review by elected officials
- Elected officials public hearing
- Adoption

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Carroll County Water Resource Coordination Council

Hampstead * Manchester * Mt. Airy * New Windsor
Carroll County Health Department



* Sykesville * Taneytown * Union Bridge * Westminster
Carroll County Government

WRCC Meeting Summary November 20, 2024

Attendees:

Municipalities:

- Kevin Hann, Chair, Hampstead
- Jim Wieprecht, Vice Chair, Taneytown
- Zac Amoss, Westminster
- Gary Dye, New Windsor
- Andrea Gerhard, Westminster
- Delbert Green, Manchester
- Greg Howell, Westminster
- Mayor Perry Jones, Union Bridge
- Rodney Kuhns, Manchester
- Mark Mellendick, Westminster
- Dylon Miller, Westminster
- Steve Miller, Manchester
- Mike Rawlings, Westminster
- Jim Roark, Hampstead
- Kevin Rubenstein, Sykesville
- Kevin Smeak, Taneytown
- Vance Summerhill, Westminster
- Dick Swanson, Mount Airy

CC PLM:

- Brenda Dinne
- Glenn Edwards
- Catarina Erbe
- Andrew Gray
- Chris Heyn, Director
- Claire Hirt
- Mitch Masser
- Denise Mathias
- Zach Neal
- Janet O'Meara

Health Department:

- Richard Brace
- Nicole Bowman

CCG Others:

- Andy Watcher, CC DPW
- Bryan Bokey, CC DPW
- Hanley Allen, CC M&B

Guest Speakers:

- n/a

1. Opening Statement

Chair – Kevin Hann

Mr. Hann welcomed everyone and wished all a Happy Thanksgiving!

Vice Chair – Jim Wieprecht

Nothing additional.

2. Approval of Meeting Summary – October 23, 2024

Approval of the October meeting summary was discussed. No changes were made.

APPROVAL OF MINUTES: Motion was made by Dick Swanson and seconded by Steve Miller to approve the October 23, 2024, meeting summary. Motion carried.

3. Carroll County Master Plan Process & Municipal Coordination – Daphne Daly

- Ms. Daly shared background on the Carroll County Master Plan. Comprehensive Planning staff dialoged with the Board of County Commissioners and the Carroll County Planning Commission for input on their vision for the next 10 years and key concepts to be addressed. As the process is getting underway to update the Master Plan again, coordination is needed with the municipalities as well.
- The public launch of the Master Plan update process, titled Carroll 2035, occurred in October. Staff is working with the Planning Commission now to establish a base of what is happening now and since 2010.
- The main components of the Master Plan will be Housing, Economy, Public Facilities, Circulation (Transportation), and Natural Areas.
- Ms. Daly displayed the Master Plan website, “Carroll 2035,” which can be found at www.Carroll2035.org. She reviewed the information that can be found at each tab on the website – Driving Ideas, Building the Plan, Current Work, Map, and Resources.
- She asked for suggestions from the WRCC members regarding the best ways to build conversations with the municipalities into the Master Plan update process. Ideas included:
 - ♦ Chairs of municipal planning commissions and appropriate staff meet with the County Planning Commission in person to talk about what their comprehensive plans look like, big issues on their minds, and where there are good opportunities for the County and municipalities to support each other’s plans.
 - ♦ Interviews with key people in each municipality.
 - ♦ Meetings held in each Commissioner District with that Commissioner in attendance, as well as elected officials from that district. Elected officials will need to understand the issues and support them as well.
 - ♦ Municipalities can push out the Carroll 2035 website and surveys on their own websites.
- Other outreach efforts already built into the update process include:
 - ♦ Organizing open houses
 - ♦ Two surveys, currently available online. The surveys essentially ask the same questions, but one allows written responses, and the other offers multiple choice.
 - ♦ Interagency Coordination Team
- Discussion included how the Water Resources Element will help inform the Master Plan update process for the County, as well as for the municipalities.
- Challenges include many State policies and regulations with conflicting goals and desired outcomes. It may also be difficult to be responsive to constituents and still comply with State direction.

Reference/Attachment:

- www.Carroll2035.org

4. Municipal Stormwater Projects Update – Janet O’Meara

- Janet O’Meara provided an update on changes to the status of the municipal stormwater restoration projects.

Reference/Attachment:

- *Municipal Project Status, November 2024*

5. PFAS Discussion

-

Reference/Attachment:

- N/A

6. Other

- **December Meeting:** The next meeting will be held on December 18. Pam Meister, the County's new Legislative Liaison, will attend to introduce herself. Environmental issues that affect one municipality generally affect all of the municipalities as well as the County. The municipalities were asked to give some thought to issues of concern they see on the horizon for the upcoming legislative session to share at this meeting.
- **2025 Meeting Dates:** The 2025 Meeting Dates were shared.
- **Lead Service Lines:** Brenda Dinne inquired if any municipalities included information on lead service lines in their sections of the Water & Sewer Master Plan. A consultant for Union Bridge indicated that applying for funding from MDE's Water Infrastructure Finance Administration required inclusion of this information in the Water & Sewer Master Plan. Municipalities present have not included this information and were not aware of any requirement to do so. This included those who have also applied for this funding.
- **Whole Watershed Act Funding – Prettyboy Reservoir Watershed:** The State will be choosing five watersheds in the State to focus on eliminating impairments by providing grants/funding through the Whole Watershed Act. MDE is currently working on a thermal TMDL for the Prettyboy Watershed. The County is working with Baltimore and York Counties to apply for funding from this program. The Gunpowder Valley Conservancy has agreed to take the lead. The proposal is due December 3, 2024. The Prettyboy Watershed seems to tick many boxes.
- **York County Planning Commission:** Staff from the York County (PA) Planning Commission have been invited to be a featured speaker for an upcoming WRCC meeting. Their Planning Commission staff have been working on some interesting projects to share with the WRCC.
- **Water Levels and Drought Status:** Zach Neal shared the status of drought conditions for the county, as well as the general status for each municipality present. Water levels continue to drop at a time of year when they historically have begun to rebound.
- **NPDES MS4 Annual Report:** Staff is wrapping up the annual report. They hope to send it out for the municipalities to review in early- to mid-December.
- **Water & Sewer Master Plan Amendments:** Andrew Gray stated that the fall amendment for Hampstead was certified consistent with the Town and County comprehensive plans. MDE had comments and reached out to the Town. Staff will brief the Board of County Commissioners in December, and a public hearing will be held in January. The deadline for the spring 2025 amendments is February 1.

Reference/Attachment:

- *2025 Meeting Dates*

7. Water Resources Element (WRE) Countywide Strategies – Work Session

- A work session was continued on the initial rough draft of the WRE Countywide Strategies. Several strategies were consolidated. Action Items will be added Emerging Contaminants to start getting additional contaminants beside PFAS on the radar.
- Revisions are in progress for the individual system-specific sections. The revised draft will be sent to each municipality for review.

Reference/Attachment:

- *PowerPoint: Discussion outline for discussing rough draft of WRE countywide stormwater strategies*

8. Adjournment

The meeting adjourned at 4:00 PM.

MEETING ADJOURNMENT: Motion was made by Steve Miller and seconded by Dick Swanson to adjourn the November 20, 2024, meeting. Motion carried.

Upcoming Meetings:

☐ *Regular Monthly Meeting – Wednesday, December 18, 2024*

MUNICIPAL STORMWATER PROJECT STATUS

November 20, 2024

FUTURE PROJECTS:

Michael's Property (Hampstead) – Project is on hold until Town has obtained approval from property owners to move forward.

Hampstead Valley 2/3 (Hampstead) – Hampstead Valley facilities 2 and 3 will be retrofit as a stream restoration project to decommission Sycamore Drive as a roadway embankment. The design will include a stream restoration beginning immediately downstream of the proposed Hampstead Valley 1 facility and continue to Sycamore Drive.

CONCEPT DESIGN:

Hampstead Valley 1 (Hampstead) – Retrofit of existing detention basin to a surface sand filter. Site is located just south of Lower Beckleysville Road near a production well. Comments were returned to CLSI, the County is currently looking into how this project would impact a project at Hampstead Valley 2/3.

Manchester East (Manchester) – CLSI is working on the concept design of a new stormwater facility north of Manchester Valley High School, adjacent to the WWTP. CLSI resubmitted plans September 25th. Bitzel & Associates is working to have an appraisal done of the parcels that will need to be acquired. A copy of the plan was sent to the property owner for review.

Meadow Ridge Basin 2 (Westminster) – Retrofit of existing facility to provide water quality through a surface sand filter. This site is adjacent to the pump station at the edge of the City limits. Century is currently working on a conceptual design. The geotechnical evaluation was completed and the report has been sent to the engineer. We anticipate a concept submittal in early November.

New Windsor Wetland (New Windsor) - A new wetland facility is proposed adjacent to the Maryland Midland Railroad tracks and Dickenson Run. The proposed improvements include removing the existing inlet adjacent to the intersection of Water St and Church St, replacing it with a diversion structure that will route the 1-year storm discharges to the proposed wetland facility. A concept plan was submitted and review comments were sent back to BAI.

Public Safety Training Center (Westminster Well)- A retrofit for the Public Safety Training Center pond is in progress for the facility design and PFAS remediation. WRA is finalizing the concept plan for the surface sand filter. We anticipate a plan submittal later this month.

PRELIMINARY DESIGN:

FINAL DESIGN:

Hampstead Valley 4 (Hampstead) – A new surface sand filter and stream restoration project is proposed between Century Street and Downhill Trail. Culverts at Downhill Trail require realignment into the HOA parcel for dam breach approval. Final plans should be submitted later this month.

Roberts Field Wet Facility (Hampstead) (DNR Grant Award- \$1,000,000)– Retrofit of wet pond to new hybrid wet pond/submerged gravel wetland. The recent concept submittal was approved with comments from the Town and Stormwater Management. Wallace Montgomery & Associates (WMA) is working on the preliminary plans. The Joint Permit Application has been submitted to MDE, we've received comments and have addressed them. The project was placed on public notice through Army Corps of Engineers, we are awaiting feedback. Final plans were reviewed, and comments were returned to Wallace Montgomery.

CONSTRUCTION:

TREE PLANTING PROJECTS:

All the municipal plantings have completed their maintenance period and are now the responsibility of the municipalities. Please make sure that these areas are being mowed at least three (3) times per season.

WRCC Countywide Strategies Work Session
23 Oct 2024



Carroll County WRE 2024

Project Manager: Brenda Dinne
bdinne@carrollcountymd.gov
410-386-2140

1

 *Quick Overview*

- Element of Comp Plan
- Update every 10 years
 - Originally adopted 2010
 - Many reg & policy changes since 2010
 - State guidance released 2022
- Hazen → updated Malcolm Pirnie supporting docs from Jan 2023 to May 2024
- Muni & County demand & capacity data collected 2022-2023 (fixed point in time)

23 October 2024

2

 *3 Broad Topics Addressed*

- Water supply
- Wastewater
- Stormwater

23 October 2024

3

 *New Items from State Guidance*

- Ensure receiving waters protected as local land use plan is developed & implemented, reflecting changes to MDE water resources programs since 2010
- Integrate climate change considerations, particularly flooding risks, into drinking water, WW, and SW assessments of WRE

23 October 2024

4



3 Main Sections of Plan Doc

- Background/Supporting Data
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 - Stormwater
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Since 2010: Current & Upcoming

- Bay & local TMDLs
- NPDES Permit Requirements
- Tier II Waters
- Temperature TMDLs
- PFAS & other emerging contaminants (lithium, salt, etc.)
- Climate Change priority
- A-StoRM
- Revised SW regs
- Flood/watershed management plans

 *We need strategies & action items to address these issues.*

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Countywide Options: Water Supply

- Diversification
- Conservation & Demand Management
- Reservoirs
- Surface Water Intake
- Quarries
- Groundwater
- Interconnection
- Reuse

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Countywide Options: Wastewater Supply

- Water Reuse
- Effluent Recycle / Reuse
- I&I Reduction / Funding
- ~~Bubble Permits~~
- Septic Hookup Credits & Improvements
- Nonpoint Source Nutrient Credit Trading?
- TMDL Tracking
- Watershed / Flood Management

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Specific Strategies & Action Items: Structure

- **Strategies** → what we're trying to achieve in a broad sense
 - **Specific Action Items** → more specific (but not detailed) actions that can be taken to achieve the strategy
 - Already in Place**
 - Ongoing**
 - "To Do"**
 - Short-Term**
 - Long-Term**

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Rough Draft

- Already reflects 2021 Status Report changes
- Includes remaining strategies/action items from 2010 WRE
- Moved up some items already in place or ongoing since 2021 Status Report
- Added some known new items in place, ongoing, To Do
- Replaced reference to NPSS with TMDL/WQ + shifted action items around
- **Focus On Adding Strategies & Action Items to:**
 - Address climate change
 - Address emerging contaminants &/or PFAS
 - Reflect current or needed activities based on changes in policies & regs since 2010

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Water Strategies

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Water Strategies

- 1.106 Protect and sustain **existing water supplies** serving existing development
- 1.107 Identify and develop, as needed, **new water supplies** adequate to support planned future growth without over-allocating available sources
- 1.108 Promote water **conservation** measures and **manage demand** for potable water to ensure adequate supplies are available for planned development
- 1.109 Develop **emergency supply** plans and measures
- 1.110 Evaluate opportunities to pursue **potable water reuse** as a drinking water source
- 1.111 **PFAS?** ? Just PFAS or emerging contaminants as a whole ?

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Wastewater Strategies

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Wastewater Strategies

- 1.112 Sustain **existing** wastewater treatment capacity
- 1.113 Develop **new** public wastewater treatment and disposal capacity

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Stormwater Strategies

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Stormwater/Water Quality Strategies Consolidated

- 1.114 **Protect or restore water quality**, keep waters off MD's list of impaired waters, and make **progress toward any applicable TMDLs**
- 1.115 Enhance **stormwater management programs**
- 1.116 **Reduce nutrient loading** to improve water quality and minimize treatment needs and costs
- 1.117 **Reduce the amount of impervious surface that could result from development**
- 1.118 Identify **changes to planned land use patterns** and land development requirements to help achieve the needed **reduction in pollutant loads**
- 1.119 Reduce nitrogen load impacts from **private septic systems**
- 1.120 Establish additional measures to protect Carroll County's and Baltimore City's **reservoir watersheds**
- 1.121 Investigate the use of **reclaimed water** in appropriate areas to **supplement water supply capacity** and **address water quality issues**
- 1.122 Protect, improve, and maintain streams designated by the State as **Tier II High-Quality Waters**
- 1.123 **Reduce flood event impacts** to water quality
- 1.124 Identify measures to address/mitigate expected water-related **climate change** impact beyond flooding

Moved actions items to 1.114, 1.115, or 1.118

Moved actions items to 1.118 land use patterns

Moved actions items to 1.118 land use patterns

Move actions items to 1.124 climate change?

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Action Items

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Specific Strategies & Action Items: Structure

- Strategies → what we're trying to achieve in a broad sense
- Specific Action Items → more specific (but not detailed) actions that can be taken to achieve the strategy
 - Already in Place
 - Ongoing
 - "To Do"
 - Short-Term
 - Long-Term

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Rough Draft

- Already in Place AND Ongoing:
 - 2010 WRE action items in place
 - Action items moved up from Ongoing or To Do "[since 2010]"
- To Do:
 - Remaining from 2010
 - Added from Hazen info
 - Added based on current regs/policies we have to address
- Focus On Adding Action Items to:
 - *Reflect current or needed activities based on changes in policies & regs since 2010*

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Water Action Items

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Protect and sustain existing water supplies serving existing development

- **In Place:**
 - Feasibility of re-using water pumped from area quarries: NW
- **Ongoing:**
 - Track long-term trends in well levels
 - Lead & Copper Rule inventory
 - Identify wells w PFAS amount >MCL & remediate
- **Short-Term:**
 - Lead & Copper Rule
 - Water Resource Management Ordinance
- **Long-Term:**
 - Feasibility of re-using water pumped from area quarries
- **Other?**

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Identify and develop, as needed, new water supplies adequate to support planned future growth without over-allocating available sources

- **In Place:**
 - Evaluated Brinkley Bill method/process
- **Ongoing:**
 - Continue to support reservoirs for potential future option
- **Short-Term:**
 - Add short-term WRE projects to W&S plan
 - Coord w MDE to update W&S plan regs
- **Long-Term:**
 - Groundwater model to ID source of contamination & track WQ issues; improve exploratory well drilling; improve GW info consistency across munis
 - Use GIS to overlay zones of elevated groundwater concentrations
 - Additional lithium monitoring
 - Additional protection for existing/proposed reservoirs
- **Other?**

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Promote water conservation measures and manage demand for potable water to ensure adequate supplies are available for planned development

- **In Place:**
 - Incentives to retrofit fixtures
 - Public education & outreach
- **Ongoing:**
 - Coord via WRCC
 - Public education & outreach
- **Short-Term:**
 - Drought management plans: **Manchester, Westminster**
 - Water demand tracking methods
 - Smart meter technology
 - Water conservation plans: **Hampstead**
 - Incentives development projects to reduce water usage beyond required
 - Incentives existing development retrofit to high-efficiency fixtures & appliances
- **Long-Term:**
 - ??
- **Other?**

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Develop emergency supply plans and measures

- **Short-Term:**
 - Risk & Resilience Assessments & Emer Resp Plans
 - Lead & Copper Rule
- **Long-Term:**
 - Emergency supply plans & implement measures
- **Other?**

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Evaluate opportunities to pursue indirect potable water reuse as a drinking water source

- In Place:
 - PUREWater Westminster
- Short-Term:
 - Outreach materials: public + elected officials
 - Require reuse for ind process/cooling; onsite nonpotable reuse
 - Encourage MDE to adopt resid graywater regs
- Long-Term:
 - Evaluate feasibility; funding sources
 - Investigate reuse for GW storage & recharge
- Other?

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PFAS?

How to address...

- Add strategy specifically for PFAS? **OR**
- Add strategy for water supply contaminants in general and address PFAS under it? **AND**
- Address under W, WW, *and* SW (Protect & Sustain Existing Water Supply **AND** Protect & Sustain Existing WW Capacity **AND** Protect & Restore Water Quality/TMDL strategies) **OR** just water supply?

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PFAS or (Emerging?) Contaminants

- In Place:
 - Monitoring; sampled sources for PFAS; documented and notified per MDE/EPA
- Ongoing:
 - Evaluate actions required to mitigate PFAS
 - Secure funding to mitigate PFAS
 - Strategies/plans to bring into compliance
- Short-Term:
 - PFS Mitigation Plan; allocate resources to implement; coord w MDE
- Long-Term:
 - Establish funding/resources for future operational needs
- Other?

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Wastewater Action Items

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Sustain existing wastewater treatment capacity

- In Place:
 - ENR upgrades for majors; NW in progress
- Ongoing:
 - I&I improvements; funding
- Short-Term:
 - I&I studies; budget annually for I&I improvements
 - Spray irrigation to expand WWTP capacity as alternative to stream discharge
- Long-Term:
 - ENR treatment @ Union Bridge WWTP
 - Water reuse
 - Spray irrigation @ landfill to reduce leachate to be hauled
- Other?

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Develop new public wastewater treatment and disposal capacity

- In Place:
 - Identify WWTPs w/o sufficient raw water allocation to operate @ higher capacities
- Short-Term:
 - Identify WWTPs that could be limited by potential PFAS regs
- Long-Term:
 - Increase capacity where not exceed nutrient caps
 - Spray irrigation where PFAS not concern - industrial and/or WWTP expansion
 - Coord w MDE to update W&S plan regs
- Other?

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Stormwater / Water Quality Action Items

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Protect or restore water quality, keep waters off Maryland's list of impaired waters, and make progress toward any applicable TMDLs

- In Place:
 - ENR upgrades for majors; NW in progress
 - PUREWater Westminster (in progress)
 - Countywide TMDL SW Implementation Plan
- Ongoing:
 - WQ monitoring
 - MS4 Permit activities: **SW retrofits**/restoration requirements, Stream Buffer Initiative, storm drain clean outs, update & progress re Countywide TMDL SW Implementation Plan
- Short-Term:
 - Increase urban tree canopy
 - Impending temp TMDL(s) → small pond decommissioning
- Long-Term:
 - ENR upgrades for minor WWTPs
 - Zero discharge/water reuse treatment plants in impaired waters
 - Land application where PFAS not a concern
- Other?

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Enhance stormwater management programs

- **In Place:**
 - Watershed Restoration & Protection Program (WPRP) + Fund
- **Ongoing:**
 - Annual WPRP update
 - Biennial FAP
 - SW facility maintenance program and funding
 - Ag Pres
- **Short-Term:**
 - Adopt MDE's updated SW regs per A-StoRM initiative
- **Long-Term:**
 - ??
- **Other?**

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Reduce nutrient loading to improve water quality and minimize treatment needs and costs

Eliminated & combined into...

Protect or restore water quality, keep waters off Maryland's list of impaired waters, and make progress toward any applicable TMDLs

OR

Enhance stormwater management programs

OR

Identify changes to planned land use patterns and land development/use requirements to help achieve reduction in pollutant load

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Reduce the amount of impervious surface that could result from development

Eliminated & combined into...

Identify changes to planned land use patterns and land development requirements to help achieve the needed reduction in pollutant loads

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Identify changes to planned land use patterns and land development/use requirements to help achieve reduction in pollutant load

- **In Place:**
 - Developed MapShed watershed/TMDL model
 - Populated MDE's TIPP spreadsheets for TMDL progress tracking/reporting
 - Conservation Conservancy CBP model land cover update
- **Ongoing:**
 - SW retrofits in existing older subdivisions
 - BLI update
 - TIPP spreadsheets
- **Short-Term:**
 - **Decrease allowable densities outside DGAs**
 - Evaluate land use designations in sensitive areas
 - **Policies to reduce IA permitted in development**
- **Long-Term:**
 - ??
- **Other?**

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Reduce nitrogen load impacts from private septic systems

Eliminated & combined into...

Identify changes to planned land use patterns and land development requirements to help achieve the needed reduction in pollutant loads

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Establish additional measures to protect Carroll County's and Baltimore City's reservoir watersheds

- **In Place:**
 - ??
- **Ongoing:**
 - Support reservoir agreement
 - Continue to participate with RTG
- **Short-Term:**
 - ??
- **Long-Term:**
 - ??
- **Other?**

Keep or consolidate?
Action items to be moved if this is consolidated w/ another strategy

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Investigate the use of reclaimed water in appropriate areas to address water quality issues

- **In Place:**
 - PUREWater Westminster pilot project
- **Ongoing:**
 - Work w/ MDE to develop water reuse regs: Westminster
 - I&I improvements
- **Short-Term:**
 - Local measures to implement MDE resid graywater regs
- **Long-Term:**
 - Water reuse to address capacity limitations
 - Spray irrigation where PFAS not a concern
 - Maximize recycled water for outdoor use
- **Other?**

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Protect, improve, and maintain streams designated by the State as Tier II High-Quality Waters

- **In Place:**
 - Provide developers w MDE's Tier II review process
 - MDE presented Tier II process to WRCC
- **Ongoing:**
 - Education of staff and local developers
- **Short-Term:**
 - ??
- **Long-Term:**
 - ??
- **Other?**

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Reduce flood event impacts to water quality

- **In Place:**
 - Identified areas of frequent flooding & developed database
- **Ongoing:**
 - Participate in the Stakeholder Advisory Group, the Stormwater Regulation Technical Advisory Group (TAG), the Watershed Studies TAG, and the GIS TAG
- **Short-Term:**
 - Define “flooding event” w MDE
 - Update local SW regs per MDE regs
 - Develop watershed-specific flood management plans as needed
 - CFMGP funding to support watershed studies & related modeling
 - Identify critical infrastructure located in floodplains + adaption strategies
- **Long-Term:**
 - Watershed plans/model to inform comp plan land use decisions & development
- **Other?**

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Identify measures to address or mitigate expected water-related climate change impacts beyond flooding to the extent practicable

- **In Place:**
 -
- **Ongoing:**
 - CC DPW participates in BMC Climate Action Plan
- **Short-Term:**
 - Investigate grant opportunities within MD database
 - Identify WQ BMPs that also benefit GHG, energy use, wildlife, flood risks, baseflow protection, etc.
- **Long-Term:**
 - ??
- **Other?**

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Next Steps

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Next Steps: Draft Plan Doc

- Countywide Strategies → Revise per work session
- System-Specific Sections →
 - Meet w/ remaining munis: Mt. Airy, Sykesville
 - Revise each per meeting
 - Send each back to muni/Andy for review
 - Revise per any additional comments
 - Update Carroll County section
- Background → Revise per Tech Team review
- Initial complete first draft → Shooting for end of Dec

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Next Steps: Beyond Draft

- Review w/ planning commissions
- 60-Day Review
- Planning commissions public hearing
- Review by elected officials
- Elected officials public hearing
- Adoption

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Carroll County Water Resource Coordination Council

Hampstead * Manchester * Mt. Airy * New Windsor
Carroll County Health Department



* Sykesville * Taneytown * Union Bridge * Westminster
Carroll County Government

Kevin Hann, Town of Hampstead, Chair
Jim Wieprecht, City of Taneytown, Vice Chair

Brenda Dinne, Staff Liaison
Bdinne@CarrollCountyMD.gov ♦ 410-386-2140

<https://www.carrollcountymd.gov/government/boards-commissions/water-resource-coordination-council/>

- Meetings are scheduled for the 4th Wednesday of every month, except November and December or years when a stormwater projects tour is scheduled in May.
- All regular meetings will be held at 2:30 p.m.
- Visitors are required to sign in at the lobby reception desk using photo ID.

WRCC MEETING DATES - 2025

- ♦ January 22
- ♦ February 26
- ♦ March 26
- ♦ April 23
- ♦ May 28*
- ♦ June 25
- ♦ July 23
- ♦ August 27
- ♦ September 24
- ♦ October 22
- ♦ November 19
- ♦ December 17

*This meeting subject to cancelation **if** monthly meeting is replaced with stormwater tour (date TBD).

Carroll County Water Resource Coordination Council

Hampstead * Manchester * Mt. Airy * New Windsor
Carroll County Health Department



* Sykesville * Taneytown * Union Bridge * Westminster
Carroll County Government

WRCC Meeting Summary

December 18, 2024

Attendees:

Municipalities:

- Kevin Hann, Chair, Hampstead
- Jim Wieprecht, Vice Chair, Taneytown
- Zac Amoss, Westminster
- Gary Dye, New Windsor
- Andrea Gerhard, Westminster
- Delbert Green, Manchester
- Greg Howell, Westminster
- Mayor Perry Jones, Union Bridge
- Rodney Kuhns, Manchester
- Mark Mellendick, Westminster
- Dylon Miller, Westminster
- Steve Miller, Manchester
- Mike Rawlings, Westminster
- Jim Roark, Hampstead
- Kevin Rubenstein, Sykesville
- Kevin Smeak, Taneytown
- Vance Summerhill, Westminster
- Dick Swanson, Mount Airy

CC PLM:

- Brenda Dinne
- Glenn Edwards
- Catarina Erbe
- Andrew Gray
- Chris Heyn, Director
- Claire Hirt
- Mitch Masser
- Denise Mathias
- Zach Neal
- Janet O'Meara

Health Department:

- Richard Brace
- Nicole Bowman

CCG Others:

- Andy Watcher, CC DPW
- Bryan Bokey, CC DPW
- Hanley Allen, CC M&B

Guest Speakers:

- Pam Meister, CC
Legislative Liaison

1. Opening Statement

Chair – Kevin Hann

Mr. Hann welcomed everyone to the meeting, which was held in Room 105, and wished all a Happy Holiday!

Vice Chair – Jim Wieprecht

Nothing additional.

2. Approval of Meeting Summary – November 20, 2024

Approval of the November meeting summary was discussed. No changes were made.

APPROVAL OF MINUTES: Motion was made by Dick Swanson and seconded by Steve Miller to approve the November 20, 2024, meeting summary. Motion carried.

3. Environment- and Water-Related Legislative Issues of Concern – Pam Meister

- Pam Meister, the County's new Legislative Liaison hired to replace Mike Fowler, introduced herself and gave an overview of her responsibilities.
- She highlighted some of the key legislative issues that should be hot topics in the Maryland General Assembly for the upcoming session. Among them were the budget deficit, energy issues, climate, housing, and growth.
- The municipalities shared a few concerns for the upcoming session. This included the additional water operator requirements, Baltimore Regional Water Governance Work Group, which was created through legislation in the 2024 session. Additional concerns raised were usurping of zoning authority, unfunded mandates, funding for PFAS remediation and Lead and Cooper Rule Revisions (LCRR) requirements, and conflicting State policies. Ms. Meister suggested that the economic and jobs impacts associated with these issues make good talking points if the municipalities need to explain to legislators any negative impact of certain proposals.
- Ms. Dinne keeps the WRCC up to date on bills that have been introduced during the session that may be of concern or have impacts to the municipalities' water, wastewater, or stormwater systems.

Reference/Attachment:

- n/a

4. Water Resources Element (WRE 2024) Update – Brenda Dinne

- Ms. Dinne and Mr. Neal finished meeting with the municipalities to review their system-specific sections. All sections were revised and sent back to the municipalities to review. All revisions for the initial draft are complete except Freedom, Hampstead wastewater, Union Bridge, and Westminster.
- The Countywide Strategies section is complete in terms of the initial draft.
- Ms. Dinne is working with County staff to update the Carroll County System-Specific Action Items. She is also working on updating the remaining outstanding information in the background/introductory portion of the plan.
- A first complete initial draft is anticipated in January. Any outstanding information will be noted.
- Ms. Dinne anticipates drafting during the month of January a timeline and process for review and adoption.

Reference/Attachment:

- n/a

5. Municipal Stormwater Projects Update – Janet O'Meara

- Claire Hirt provided an update on changes to the status of the municipal stormwater restoration projects.

Reference/Attachment:

- *Municipal Project Status, December 2024*

6. PFAS Discussion

- The Maryland Water Monitoring Council is holding a free workshop in January titled An Overview of PFAS: Status, Monitoring, and Remediation in Surface Waters. Registration is available online. This workshop overlaps with the January 22 WRCC meeting.
- The Town of Hampstead met with Maryland Department of the Environment (MDE) recently regarding the PFAS treatment system. Costs have grown from \$20 million to \$30 million. MDE

encouraged the Town to apply for/pursue additional funding while it's available. MDE had no comments on the 95% construction drawings that were submitted to MDE.

Reference/Attachment:

- *Webpage: [An Overview of PFAS: Status, Monitoring, and Remediation in Surface Waters](#)*

7. Other

- **NPDES MS4 Annual Report:** Ms. Hirt shared that the Annual Report was completed. She thanked the municipalities for the information provided and helping the County to meet permit compliance. The report will be sent to MDE by Friday, December 20, along with the *TMDL Stormwater Implementation Plan*. Digital versions are already available on the *Protecting Carroll County Waters* website. Mr. Hann thanked the County staff for helping the municipalities get through the paperwork. Mr. Heyn pointed out that the cover photo was from the MDE/WRCC stormwater facility tour in May and included Steward Comstock in the photo.
- **NPDES Good Housekeeping Plans & Salt Management Plans:** Mr. Edwards indicated that he and/or Mr. Masser have been meeting with each municipality regarding Good Housekeeping Plans required by the NPDES MS4 permit. They anticipate completing the meetings with the municipalities by the end of January or early February. The Salt Management Plans required by the permit will need to be ready by the end of June 2025.
- **Water Levels and Drought Status:** Zach Neal will send the updated water levels information around December 23.
- **MDE Stormwater Regulations:** Mr. Heyn noted that MDE is proceeding with the stormwater regulation changes.
- **Whole Watershed Act Funding – Prettyboy Reservoir Watershed:** The grant application was submitted. Gunpowder Valley Conservancy is taking the lead. Mr. Heyn anticipated hearing in March whether the grant was awarded. It will not be a lot of money, but this opportunity would open the door for other opportunities.
- **January Meeting:** The next meeting will be held on January 22, 2025. Rachel Stahlman, staff for the York County (PA) Planning Commission, will share some of their activities related to their NDPEs MS4 permit. Mr. Miller will act as Chair for this meeting, in the absence of Mr. Hann and Mr. Wieprecht.

Reference/Attachment:

- *Website: [Protecting Carroll County Waters](#)*
- *Document: [Carroll County 2024 NPDES MS4 Annual Report](#)*
- *Document: [Carroll County 2024 TMDL Stormwater Implementation Plan](#)*

8. Adjournment

The meeting adjourned at 3:17 PM.

MEETING ADJOURNMENT: Motion was made by Dick Swanson and seconded by Mayor Perry Jones to adjourn the December 18, 2024, meeting. Motion carried.

Upcoming Meetings:

- ☐ *Regular Monthly Meeting – Wednesday, January 22, 2025*

MUNICIPAL STORMWATER PROJECT STATUS

December 18, 2024

FUTURE PROJECTS:

Michael's Property (Hampstead) – Project is on hold until Town has obtained approval from property owners to move forward.

Hampstead Valley 2/3 (Hampstead) – Hampstead Valley facilities 2 and 3 will be retrofit as a stream restoration project to decommission Sycamore Drive as a roadway embankment. The design will include a stream restoration beginning immediately downstream of the proposed Hampstead Valley 1 facility and continue to Sycamore Drive.

CONCEPT DESIGN:

Hampstead Valley 1 (Hampstead) – Retrofit of existing detention basin to a surface sand filter. Site is located just south of Lower Beckleystown Road near a production well. Comments were returned to CLSI, the County is currently looking into how this project would impact a project at Hampstead Valley 2/3.

Manchester East (Manchester) – CLSI is working on the concept design of a new stormwater facility north of Manchester Valley High School, adjacent to the WWTP. A revised concept plan was submitted and is currently being reviewed. The appraisal was provided to the property owner, we hope to meet while he's in town this month.

Meadow Ridge Basin 2 (Westminster) – Retrofit of existing facility to provide water quality through a surface sand filter. This site is adjacent to the pump station at the edge of the City limits. Century is currently working on a conceptual design. The geotechnical evaluation was completed and the report has been sent to the engineer. We anticipate a concept submittal by the end of year.

New Windsor Wetland (New Windsor) - A new wetland facility is proposed adjacent to the Maryland Midland Railroad tracks and Dickenson Run. The proposed improvements include removing the existing inlet adjacent to the intersection of Water St and Church St, replacing it with a diversion structure that will route the 1-year storm discharges to the proposed wetland facility. A concept plan was submitted and review comments were sent back to BAI.

Public Safety Training Center (Westminster Well)- A retrofit for the Public Safety Training Center pond is in progress for the facility design and PFAS remediation. WRA is finalizing the concept plan for the surface sand filter. We anticipate a plan submittal by the end of December, the consultant has been waiting on the site design team to finalize their plan before submitting.

PRELIMINARY DESIGN:

FINAL DESIGN:

Hampstead Valley 4 (Hampstead) – A new surface sand filter and stream restoration project is proposed between Century Street and Downhill Trail. CLSI is working on a dam breach analysis which is being requested from MDE Dam Safety. The Joint Permit Application has been submitted to MDE, we had an onsite meeting with Debra Correia. A meeting is currently scheduled with the Army Corps of Engineers onsite January 2nd. *This project was submitted to DNR Grants Gateway for construction funding earlier this month.*

Roberts Field Wet Facility (Hampstead) (DNR Grant Award- \$1,000,000)– Retrofit of wet pond to new hybrid wet pond/submerged gravel wetland. The recent concept submittal was approved with comments from the Town and Stormwater Management. Wallace Montgomery & Associates (WMA) is working on the preliminary plans. The Joint Permit Application has been submitted to MDE, we've received comments and have addressed them. The project was placed on public notice through Army Corps of Engineers, we are awaiting feedback. Final plans were reviewed, and comments were returned to Wallace Montgomery.

CONSTRUCTION:

TREE PLANTING PROJECTS:

All the municipal plantings have completed their maintenance period and are now the responsibility of the municipalities. Please make sure that these areas are being mowed at least three (3) times per season.