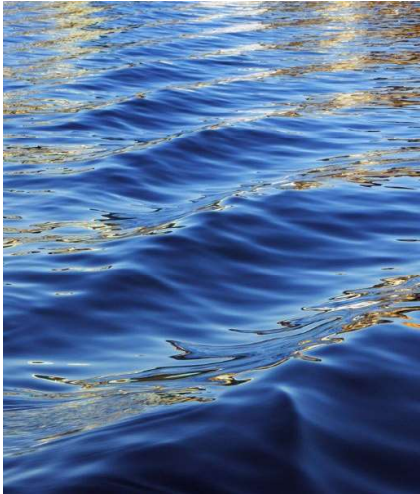




# Chesapeake Bay Phase III WIP Update

Presented to the TJPDC  
August 4<sup>th</sup>, 2022

## What is the Watershed Implementation Plan?

- The Chesapeake Bay Total Daily Maximum Load (TMDL) was established in 2010 by the EPA
  - Prompted by continued poor water quality in the CB & its Tributaries
  - Historic and Comprehensive Clean Up Plan to guide state, local, and federal actions to clean the bay and its connected streams
  - Specifically for Virginia: 20.5% reduction in Nitrogen, 25.2% reduction in phosphorus, and 20.8% reduction in sediment delivered to the Bay
- Other pollutants exist, and additional local TMDL's can be put into place to support further the bay effort
- WIP ensures Virginia is sticking to set goals!

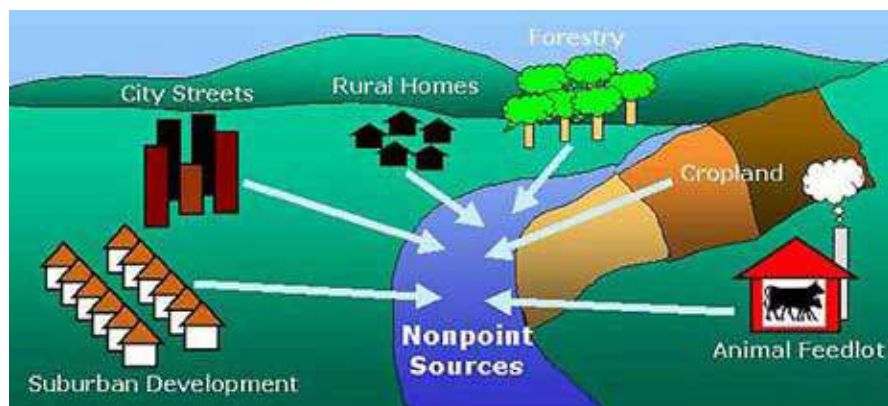
## How is the TMDL regulated?

- MS4- Municipal Separate Storm Sewer System
  - [Learn More](#)
- Urbanized Areas and High Populations must be granted permits for MS4's which are regulated
  - Tasked with identifying, monitoring, and controlling discharges from system
  - Best Management Practices help control pollutants
- TJPDC: UVA, Charlottesville, and Albemarle, excluding Greene, Fluvanna, Nelson, and Louisa

Photo Source:  
[https://www.pca.state.mn.us/sites/default/files/styles/primary\\_840px\\_wide/public/Storm-water-MS4-infographic.png?itok=4hajeD4F](https://www.pca.state.mn.us/sites/default/files/styles/primary_840px_wide/public/Storm-water-MS4-infographic.png?itok=4hajeD4F)



## Rural Localities & Non Point Source Pollution



Nonpoint source pollution is difficult to control because it comes from many different sources and locations.

Source: [https://oceanservice.noaa.gov/education/tutorial\\_pollution/o4nonpointsource.html](https://oceanservice.noaa.gov/education/tutorial_pollution/o4nonpointsource.html)

# Why should we care locally?

## Chris Greene Lake Closed for Swimming and to Dogs Due to Algae Bloom

Chris Greene Lake is currently experiencing a harmful algae bloom and is closed for swimming. People and dogs are prohibited from swimming in the lake until further notice. Hiking trails and the dog park remain open, and boating is still permitted.

There have been no reported health problems, however, the Department of Parks and Recreation closed the lake after test results showed harmful algae present. People and pets are prohibited from contact with the water until further notice. Walnut Creek Lake is not effected.

Thank you for your cooperation.

## Harmful algae bloom found in sections of Lake Anna, public advised to avoid water contact

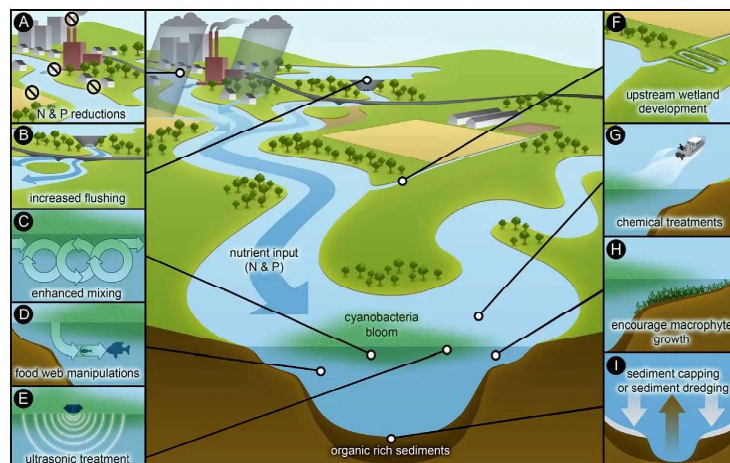
<https://www.wric.com/health/harmful-algae-bloom-found-in-sections-of-lake-anna-public-advised-to-avoid-water-contact/>



5

## What are the Solutions?

Various approaches currently in use to control CyanoHABs--  
including control measures in the watershed and within the ecosystem  
**In most cases, it is the "nutrient knob" that is most feasible to control**



Source: <https://mavensnotebook.com/2021/04/14/delta-isb-harmful-algal-blooms-in-the-delta-and-elsewhere/>

6

## What is a Best Management Practice?

- Best Management Practice (BMP) means a practice, or combination of practices, that is determined to be an effective and practicable (including technological, economic, and institutional considerations) means of preventing or reducing the amount of pollution generated by nonpoint sources to a level compatible with water quality goals.
- Planning District Commission's across Virginia were contracted by DEQ to provide coordination and technical assistance to local governments and other stakeholders in the region.
- [Chesapeake Bay Program Quick Reference Guide to Best Management Practices](#)

## Co-benefits to Effective Management

- Groundwater protection
- Reduced flooding
- Less frequent dredging of ponds/lakes
- Landscape Beautification
- Wildlife protection
- Seafood
- Recreational activities (fishing, swimming, boating)
- Economic Development
- Decreased water treatment costs over time

# TJPDC Coordination and Technical Assistance

| Milestone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Completion Date            | Progress/Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Activity 1: Facilitation of Chesapeake Bay Phase III WIP implementation with localities and regional partners</b>                                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>REQUIRED DELIVERABLES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Develop regionally-specific tasks for inclusion in an annual Scope of Service for implementation during calendar year 2023, building from this scope of service. (by September 30, 2022)                                                                                                                                                                                                                                                                                                                                                                         | September 30 <sup>th</sup> | TJPDC prepared a FY2022-23 WIP Sustainability Program through a cooperative process involving the region's counties (Albemarle, Fluvanna, Greene, Louisa and Nelson), the City of Charlottesville, and the Virginia Department of Environmental Quality. It has been completed with regard to reasonable 2025 EPA/DEQ TMDL goals.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Host and facilitate meetings (quarterly at a minimum) on Bay WIP topics, or include Bay WIP issues on agendas for existing meetings, with participation from member local governments (encourage attendance from other stakeholders). (by December 31, 2022)                                                                                                                                                                                                                                                                                                     | Ongoing                    | <b>PLANNED SUBMISSION TO DEQ (9/30/22):</b> WIP 2023 Scope and Schedule<br><b>RRBC Sixth Annual Conference (Fall 2022)</b><br><b>RRBC Board Meetings (May 6<sup>th</sup>, 2022)</b><br><b>Climate Action Liaison Committee Monthly Meetings</b><br><b>Rivanna Stormwater Education Partnership (RSEP) Meetings</b><br><b>PDC Riparian Consortium Monthly Meetings</b><br><b>Hazard Mitigation Working Group Meetings</b><br><b>Solid Waste Alternatives and Advisory Committee Meetings</b><br><b>Charlottesville Climate Vulnerability Workshop (June 8<sup>th</sup>)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Update Commissioners and local boards (as appropriate) on progress of key contract deliverables and other key Bay related issues as needed. (by September 30, 2022)                                                                                                                                                                                                                                                                                                                                                                                              | Ongoing                    | <b>TJPDC Commission Locality Board Meeting Update:</b> August 4 <sup>th</sup><br><b>CBP Local elected official Water Resources Capacity survey share</b><br><b>RRBC Board Meeting (May 6<sup>th</sup>)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Facilitate the sharing of information on local, regional, and state efforts on Environmental Justice, where available, between DEQ, the PDC, and localities including the coordination of discussions and training to be provided by DEQ. Gather and compile data, information, and outputs on locality-specific efforts on Environment Justice including any efforts on mapping, defining terms, tools, resources used, how communities identify, and specific needs localities have to undertake such efforts, and provide such to DEQ. (by December 31, 2022) | Ongoing                    | <b>House Bill 49- TJPDC working with Delegate Faris</b> (patron) to support, amend, and write substitutes for House Bill 49--an extension of the Scenic Rivers Act, OFFICIALLY PASSED 2022 GA SESSION<br><b>TJPDC Legislative Newsletter:</b> bi-monthly updates on legislative programs and bills.<br><b>Environmental Justice Symposium</b> attendance and information share<br><b>Meetings</b> with Local Planning Directors to share resources on Mapping Environmental Justice and implementation of environmental justice<br><b>Words from Your Watershed</b> Seasonal Newsletter Archive here: <a href="https://tjpd.org/our-work/watershed-implementation-plan-wip/">https://tjpd.org/our-work/watershed-implementation-plan-wip/</a><br><b>VAMPO</b> Emerging Environmental Policy and Planning Issues Webinar<br><b>EPA Mid Atlantic Summit:</b> Overview of Environmental Justice<br>Information share with DEQ on EJ training for localities<br><b>FEMA Risk Reduction Consultation</b><br><b>Lunch &amp; Learn: 2022 Policy Updates</b> from the Commonwealth Resilience Brief |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Attend meetings of Virginia's Chesapeake Bay Stakeholders Advisory Group, local Watershed Roundtables, Chesapeake Bay Program and other related groups, as available/necessary. Relay key information to localities and regional stakeholders. (by December 31, 2022)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ongoing | <b>DEQ Spring 2022 Bay PDC Meeting (May 9<sup>th</sup>)</b><br><b>Lake Anna Water Quality and HAB Stakeholder Meetings</b><br><b>Rivanna River Basin Commission Board and Conference Meetings</b><br><b>Climate Action Liaison Committee Meetings</b><br><b>PDC Riparian Consortium Monthly Meetings</b><br><b>Southeast New England Program STEWMAP webinar (June 27<sup>th</sup>)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Educate local stakeholders about the direct local benefits of implementing BMPs in their communities (instead of focusing on the Bay area exclusively); and engage and encourage citizens to participate by promoting the benefits to their local communities. Develop, maintain and update, as needed, web page(s), newsletters, factsheets, guidebooks, social media or similar marketing materials that inform local stakeholders about WIP activities. Provide and disseminate these educational materials for the public and for localities to distribute. Work with DEQ to create template documents and web content that PDCs can personalize and disseminate to the public and localities. As available, share information with localities and regional stakeholders on state, federal, and private BMP implementation funding opportunities. (by December 31, 2022) | Ongoing | <b>Grant/Financial Assistance</b> info sharing from DEQ and state agencies<br><b>General info sharing</b> with environmental locality contacts<br><b>Urban and Community Forestry Assistance Grant Program</b> shared with enviro. locality contacts<br><b>TJPDC Water Quality Guide Brochures</b> at Rivanna Riverfest RSEP Table (April 30 <sup>th</sup> )<br><b>Words from your Watershed</b> Seasonal Newsletter on BMP's, upcoming events, grant opportunities, environmental justice/legislation<br><b>NFWF Small Watershed Grant continued...</b> Greene County applied for Visitor's Center Project (TJPDC as Fiscal Agent)<br><b>RRBC and TJPDC Facebook social media</b> regular posts<br><a href="https://www.facebook.com/RivannaRiverBasinCommission">https://www.facebook.com/RivannaRiverBasinCommission</a><br><a href="https://www.facebook.com/PDC10">https://www.facebook.com/PDC10</a><br><a href="https://tjpd.org/our-work/watershed-implementation-plan-wip/">https://tjpd.org/our-work/watershed-implementation-plan-wip/</a> Website BMP Share |
| <b>Activity 2: Regionally Specific Initiatives/Programmatic Actions and Optional Deliverables</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Regionally Specific Initiatives/Programmatic Actions - REQUIRED DELIVERABLES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Continue to create Thomas Jefferson Quality Guide booklets and update social media with the #LoveYourWatershed RSEP postings. (by December 31, 2022)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Ongoing | <b>RSEP:</b><br><b>Look for social media postings on:</b><br><b>Social Media:</b> <a href="https://www.facebook.com/RivannaRiverBasinCommission">https://www.facebook.com/RivannaRiverBasinCommission</a> PDC<br><b>Love Your Watershed (LYW) Website:</b> <a href="https://rivanna-stormwater.org/additional-resources/love-your-watershed/">https://rivanna-stormwater.org/additional-resources/love-your-watershed/</a><br><b>LYW Facebook Postings:</b> <a href="http://rivannariverbasin.org/">http://rivannariverbasin.org/</a><br><br>Thomas Jefferson Water Quality Guide Booklet #7 planned for summer with support of intern                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| TJPDC to assist localities with planning and applying for Community Flood Preparedness Fund grants and loans through DCR, as well as other state agencies. (by December 31, 2022)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ongoing | <b>Sharing Upcoming Grant Application Deadlines with Locality Contacts</b><br><b>Facilitated Albemarle and Charlottesville with Applications submitted in April of 2022-</b> TJPDC supported planning for the Community Flood Preparedness Grant that Albemarle applied for in April; funding support to increase capacity of the public to engage in the development of Flood Preparedness Plan and identification of Nature Based Solutions<br>Sharing requested resources and meeting with Scottsville, Albemarle, & Charlottesville who recently were awarded funds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Develop WIP III educational materials for public and for localities to distribute such as brochures, newsletters, or other marketing items alongside the Rivanna Stormwater Education Partnership (RSEP) (by December 31, 2022)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Ongoing | TJPD Water Quality Guide Brochures at Rivanna Riverfest RSEP Table (April 30 <sup>th</sup> )<br>Utility Bill Inserts (Front/Back)<br>Master Gardener's Native Plant Guide<br><i>Words from your Watershed</i> Seasonal Newsletter<br>Love your Watershed stickers and magnets "Don't Pollute, leads to waterway"<br>"Where does the rain go?" Placemats for kids<br>Healthy Lawn Brochure<br>Do Not Dump Metal Signage<br>Illicit Discharge Detection and Elimination Hotline<br>Information on BMP and WIP on Rivanna River Basin Commission Facebook Page<br><a href="https://tjpd.org/our-work/watershed-implementation-plan-wip/">https://tjpd.org/our-work/watershed-implementation-plan-wip/</a> |
| <b>OPTIONAL DELIVERABLES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Share regional information from the Bay Program analysis of land cover change with local governments. Support local adoption of procedures, plans, policies and/or programs to support forest conservation and other land policies that reduce the impact of future development. (by December 31, 2022)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ongoing | Regional Hazard Mitigation Grant Meetings<br>PDC Hazard Mitigation Working Group<br>GIS Land Cover data sharing<br>James Young, FEMA - regular updates & coordination with PDC<br>Urban Rivanna Corridor Plan (Adopted February 2022)<br>Hazard Mitigation Plan (2023 Update)<br>Chesapeake Bay Program Land Use/Land Cover Change Data Project Webinar (May 24 <sup>th</sup> )<br>Chesapeake Bay Land Use Workgroup Attendance<br>Letter of Support to RCA for Rivanna River Resilience Partnership NFWF grant<br>Bicycle and Pedestrian Infrastructure Assessment of Scottsville and Stanardsville                                                                                                   |
| Research grant opportunities to assist localities in identifying BMP implementation projects such as creating wetlands systems to serve as retention areas for water flowing from Towns to the Chesapeake Bay; installing rain gardens to reduce impervious surface area; and establishing a forest buffer/tree planting/stormwater management pilot program on publicly owned lands. Attend grant information sessions, workshops, webinars, etc. sponsored by DEQ, Chesapeake Bay Program and other related agencies. Maintain and update, as needed, a matrix of potential grant project priorities for the region with total project costs, potential funding sources, partners, application deadlines and any other critical information. Disseminate funding information to localities; update websites and other applicable resources. Assist localities in applying for funds and provide grant writing assistance when needed. (by December 31, 2022) | Ongoing | Greene County Visitor's Center Revitalization/BMP Project (TJPD Fiscal Agent)<br>Letter of Support to the Rivanna Conservation Alliance for the Resilience Partnership<br>Environmental Grants Tracking Document and Informational sharing with Locality Contacts<br><i>Words From Your Watershed</i> Newsletter: Funding Opportunities section<br>Responding to Climate Change Webinar<br>Chesapeake Bay Webinar Series: Leveraging Funding to Maximize Multiple Benefits<br>Nonpoint Source Program RFA Webinar<br>CBP: Financing Riparian Buffers Webinar<br>EPA Mid Atlantic Summit Overview of BIL funding<br>Resiliency Academy: Resilience in Transportation Infrastructure                     |

|                                                                                                                                                                   |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| When requested, update the environmental sections of local government comprehensive plans and create model WIP III language for inclusion. (by December 31, 2022) | Ongoing  | <b>Regional Hazard Mitigation Plan Update-</b> Ian Baxter and Isabella O'Brien<br><b>Solid Waste and Recycling Plan Update-</b> Shirese Franklin and Isabella O'Brien Draft Plan Available here: <a href="https://tjpd.org/our-work/solid-waste/">https://tjpd.org/our-work/solid-waste/</a><br><b>Urban Rivanna Corridor Plan- Completed &amp; Adopted February 2022</b> Sandy Shackleford, Nick Morrison, and Dominique Lavorata<br><b>TJPD Transit Visioning Plan:</b> Lucinda Shannon<br><b>Bicycle and Pedestrian Infrastructure Assessment of</b> Stanardsville and Scottsville |
| <b>Activity 3: <u>Project administration</u></b>                                                                                                                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>REQUIRED DELIVERABLES</b>                                                                                                                                      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Submit the interim PDC contract report and reimbursement request. (by June 30, 2022)                                                                              | 6/30/22  | <b>2022 INTERIM REPORT SUBMISSION:</b> 6/30/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Submit regionally-specific tasks for inclusion in the 2023 Proposed Scope of Service as described in 1.a above. (by September 30, 2022)                           | 09/30/22 | <b>2022 PROPOSED SCOPE OF WORK:</b> 09/30/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Submit the final PDC contract report and final reimbursement request. (by December 31, 2022)                                                                      | 12/31/22 | <b>2022 CONTRACT SUBMISSION:</b> 12/31/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Stay Engaged on WIP

- Words From Your Watershed Quarterly [Newsletter](#): [WFYW Signup](#)
- [TJPDC WIP Webpage](#)
- [Rivanna River Basin Commission Website](#)
- [RRBC Facebook](#)
- [TJPDC Facebook Page](#)
- Email me: [iobrien@tjpd.org](mailto:iobrien@tjpd.org)

## Funding....

- IJIA with \$40 million allocated to Chesapeake Bay Restoration
- National Fish & Wildlife Foundation
- Chesapeake Bay Trust
- USDA
- DEQ
- DCR
- DOF
- VOF
- USDOF

## Non Regulatory Locality Actions

- Apply for funding to implement stormwater best management practices on locality owned property, or contact the TJPDC for grant assistance
- Work with local nonprofits to organize tree plantings/invasive removals/etc
- Distribute information on WIP with your network
- Encourage citizens to contact their SWCD for financial and technical assistance with septic pump outs
- Incorporate BMP's and Green Infrastructure into grant applications and comprehensive planning, and reach out to the TJPDC for assistance
- Reach out when issues arise!

## Attachment A: Narrative Progress Summary Report

### Chesapeake Bay Regulatory and Accountability Program (CBRAP) Project

*Please submit this form electronically, along with the rest of the quarterly report material to your DEQ Project Manager.*

|                                      |                                                                                                        |       |           |
|--------------------------------------|--------------------------------------------------------------------------------------------------------|-------|-----------|
| Project Title                        | 2022 Chesapeake Bay Watershed PDC Locality Implementation Program                                      |       |           |
| Contract #                           | 17214                                                                                                  |       |           |
| Organization                         | Thomas Jefferson PDC                                                                                   |       |           |
| Select Report Type                   | <input checked="" type="checkbox"/> Interim (by 06/30/22) <input type="checkbox"/> Final (by 12/31/22) |       |           |
| Name & Title of Individual Reporting | Isabella O'Brien<br>Planner 1                                                                          | Date: | 6/30/2022 |

#### Progress Summary:

*Provide a brief description of activity deliverables (as outlined in the Scope of Services) that have been completed to date. For deliverables that require submitting a product to DEQ, note the product and any particular information needed to explain it. Provide a brief status on any incomplete deliverables or those that might be behind schedule. Note any other challenges or setbacks that have arisen.*

**\*\*PLEASE VISIT THE TJPDC WEBSITE BELOW FOR ALL WIP \*\***  
**2022 INTERIM SUBMISSION EVIDENCE AND MATERIALS**

[ <https://tjpdc.org/our-work/watershed-implementation-plan-wip/> ]

**DELIVERABLE 1A-** The Scope of Work for the TJPDC 2023 Watershed Implementation Plan will be completed by 09/30/22 in conjunction with the deliverables provided by DEQ with EPA approval. The PDC will consult and collaborate with many of the regional environmental groups and stakeholders noted below.

#### **DELIVERABLE 1B-**

##### **PDC Riparian Consortium Meetings**

###### TOPICS ADDRESSED AT MEETINGS:

1. What would be most helpful for watershed planning and riparian restoration to the localities in your PDC footprint in the Middle or Upper James watershed (especially urban localities)?
2. What are the greatest opportunities and challenges for engaging localities and for growing collaboration in the watershed?
3. How can the Consortium best support your PDC in watershed planning, riparian restoration, WIP reporting, and other watershed activities?

### **Rivanna Stormwater Education Partnership Monthly Meetings**

- **DATES:** February 22<sup>nd</sup> 10-12, March 29<sup>th</sup> 10-12, April 26<sup>th</sup> 10-12, May 24<sup>th</sup> 10-12, June 28<sup>th</sup> 10-12, Future Meetings: September 27<sup>th</sup> 10-12, October 25<sup>th</sup> 10-12, November 22<sup>nd</sup> 10-12
- **MEMBERS:** Amy Moyer <amy.moyer@tjswcd.org>; Andrea Bowles <abowles@rivanna.org>; Anne Coates <anne.coates@tjswcd.org>; Audrey Kirschner <audrey.kirschner@tjswcd.org>; Olenslager, Brittany E (beo2zh) <beo2zh@virginia.edu>; Dan Frisbee <frisbee@charlottesville.gov>; Garrod, Dawson (dlg9e) <dlg9e@virginia.edu>; Greg Harper <gharper@albemarle.org>; Isabella O'Brien <iobrien@tjpdcc.org>; Wenger, Jess (jsw6d) <jsw6d@virginia.edu>; John Coles <jcoles@k12albemarle.org>; Kristel Riddervold <riddervold@charlottesville.gov>; Laurel Williamson <lwilliamson2@albemarle.org>; Lindsay Snoddy <lcsnoddy@k12albemarle.org>; lisawittenborn <lisawittenborn@rivannariver.org>; Starvos Calos <scalos@albemarle.org>; Tim Brown [tbrown@serviceauthority.org](mailto:tbrown@serviceauthority.org)
- TJPDC working alongside the Rivanna Stormwater Education Partnership (RSEP) to promote the #LoveYourWatershed campaign. The RRBC Facebook and website are used to share this content, especially in the midst of Covid.

### **Rivanna River Basin Commission Meetings (MAY 6<sup>th</sup>)**

Meeting minutes, recording, and packet included on the webpage below. Topics covered at the RRBC commission meetings include a broad range of local water quality topics. The WIP contract was shared and made available with commissioners (listed below).

<https://rivannariverbasin.org/about-the-commission/>

#### **Albemarle County**

Ann Mallek, Board of Supervisors  
Bea LaPisto Kirtley, Board of Supervisors  
VACANT, Appointed Citizen

#### **City of Charlottesville**

Michael Payne, City Councilor  
Lloyd Snook, City Councilor  
Jason Halbert, Appointed Citizen

#### **Fluvanna County**

Mozell Booker, Board of Supervisors  
Tony O'Brien, Board of Supervisors  
Marvin Moss, Appointed Citizen

#### **Greene County**

Dale Herring, Board of Supervisors  
Abbey Heflin, Board of Supervisors  
Alex Vidales, Appointed Citizen

#### **Culpeper SWCD**

Steve Morris

#### **Thomas Jefferson SWCD**

Lonnie Murray

## Rivanna River Basin Commission Input Meetings

The TJPDC has been working to develop a work plan for the Rivanna River Basin Commission to better support the watershed and corresponding localities in coming years. As part of the development process, TJPDC staff reached out to locality planners and water resources staff to gain their feedback on priority watershed topics and barriers. These meetings were scheduled as part of the RRBC work plan, however topics on WIP including Environmental Justice and water quality issues were discussed. Evidence of meetings available in WIP folders.

## UVA Multi Objective Watershed Project Meeting (APRIL 29<sup>th</sup>)

TJPDC staff participated in meeting soliciting feedback on UVA's multi objective watershed research project.

## Bay PDC Meetings

- BAY PDC SPRING MEETING
  - Internally developed stakeholder group of Bay PDC's WIP program managers and other stakeholders
  - **ATTENDEES:** Isabella O'Brien <iobrien@tjpd.org>; Normand Goulet <ngoulet@novaregion.org>; Rebekah Cazares (Plan RVA) <rcazares@planrva.org>; Sarah Stewart <SStewart@planrva.org>; Gabriel Irigaray <girigaray@rvarc.org>; amcgee <amcgee@rvarc.org>; jsteelman <jsteelman@a-npdc.org>; hunter <hunter@cspdc.org>; mfooster <mfooster@virginiasheartland.org>; ktillman@virginiasheartland.org; jruffa <jruffa@craterpdc.org>; jrickards <jrickards@mppdc.com>; Luke Peters <luke.peters@bgllc.net>; michael.zehner@bgllc.net; csmith <csmith@mppdc.com>; jbateman <jbateman@nnpdc17.state.va.us>; jcrockett <jcrockett@nsvregion.org>; abrebner <abrebner@craterpdc.org>; rebecca <rebecca@cspdc.org>; kelly.hitchcock <kelly.hitchcock@cvpdc.org>; medwards [medwards@rrregion.org](mailto:medwards@rrregion.org)

## DEQ DISCUSSION WITH BAY PDC's (MAY 9<sup>th</sup>)

- **ATTENDEES:** [james.kline@deq.virginia.gov](mailto:james.kline@deq.virginia.gov); [emeil@a-npdc.org](mailto:emeil@a-npdc.org); [jsteelman@esvaplan.org](mailto:jsteelman@esvaplan.org); jsteelman; [adoyle@a-npdc.org](mailto:adoyle@a-npdc.org); [bonnie@cspdc.org](mailto:bonnie@cspdc.org); hunter; kelly.hitchcock; [gary.christie@cvpdc.org](mailto:gary.christie@cvpdc.org); mfooster <mfooster@virginiasheartland.org>; [ktillman@virginiasheartland.org](mailto:ktillman@virginiasheartland.org); jruffa; abrebner; Luke Peters; [michael.zehner@bgllc.net](mailto:michael.zehner@bgllc.net); [boyles@gwregion.org](mailto:boyles@gwregion.org); [gibson@gwregion.org](mailto:gibson@gwregion.org); Katherine Filippino; [llawrence@mppdc.com](mailto:llawrence@mppdc.com);

csmith; [jdavis@nnpdc17.state.va.us](mailto:jdavis@nnpdc17.state.va.us); jbateman;  
jcrockett; [bdavis@nsvregion.org](mailto:bdavis@nsvregion.org); Normand  
Goulet; [lindat@novaregion.org](mailto:lindat@novaregion.org); [rlazaro@novaregion.org](mailto:rlazaro@novaregion.org);  
medwards; [pmauney@rrregion.org](mailto:pmauney@rrregion.org); [mheeter@planrva.org](mailto:mheeter@planrva.org); Sarah  
Stewart; [mbittner@planrva.org](mailto:mbittner@planrva.org); [rcazares@planrva.org](mailto:rcazares@planrva.org); [jholmes@rvarc.org](mailto:jholmes@rvarc.org);  
amcgee; [girigaray@rvarc.org](mailto:girigaray@rvarc.org); Christine Jacobs; Isabella  
O'Brien; [ewells@rvarc.org](mailto:ewells@rvarc.org); [justin.williams@deq.virginia.gov](mailto:justin.williams@deq.virginia.gov); [jutta.schneider@deq.virginia.gov](mailto:jutta.schneider@deq.virginia.gov);  
[bryant.thomas@deq.virginia.gov](mailto:bryant.thomas@deq.virginia.gov); [kevin.mclean@deq.virginia.gov](mailto:kevin.mclean@deq.virginia.gov);  
[susan.hale@deq.virginia.gov](mailto:susan.hale@deq.virginia.gov); [amber.foster@deq.virginia.gov](mailto:amber.foster@deq.virginia.gov); [heather.mackey@deq.virginia.gov](mailto:heather.mackey@deq.virginia.gov);  
[vlent.lassiter@deq.virginia.gov](mailto:vlent.lassiter@deq.virginia.gov); [daniel.moore@deq.virginia.gov](mailto:daniel.moore@deq.virginia.gov);  
[mary.jacobs@deq.virginia.gov](mailto:mary.jacobs@deq.virginia.gov)

### Climate Action Liaison Committee Meetings

**Members:** Riddervold, Kristel <[RIDDERVOLD@charlottesville.gov](mailto:RIDDERVOLD@charlottesville.gov)>; Trimble, Andrea Ruedy (art2k) <[art2k@virginia.edu](mailto:art2k@virginia.edu)>; Jennifer Whitaker <[jwhitaker@rivanna.org](mailto:jwhitaker@rivanna.org)>; Magill, Sena <[smagill@charlottesville.gov](mailto:smagill@charlottesville.gov)>; Payne, Michael <[mpayne@charlottesville.gov](mailto:mpayne@charlottesville.gov)>; Sandy Shackelford <[SShackelford@tjpd.org](mailto:SShackelford@tjpd.org)>; Don Sundgren <[des5j@virginia.edu](mailto:des5j@virginia.edu)>; Sanders, Samuel <[sanderss@charlottesville.gov](mailto:sanderss@charlottesville.gov)>; Isabella O'Brien <[iobrien@tjpd.org](mailto:iobrien@tjpd.org)>; Gabe Dayley <[gdayley2@albemarle.org](mailto:gdayley2@albemarle.org)>; Greg Harper <[gharper@albemarle.org](mailto:gharper@albemarle.org)>; Smalls, Stacey [smallss@charlottesville.gov](mailto:smallss@charlottesville.gov)

### Charlottesville Climate Vulnerability Assessment Workshop (June 8<sup>th</sup>, 2022)

Charlottesville is working on its climate action plan and asked for input from local staff on climate vulnerabilities in Charlottesville.

### DELIVERABLE 1C- Update Commissioners and Local Boards

**Chesapeake Bay Program Local Elected Officials Survey Share:** Responses from VA were limited, so PDC's shared a survey to learn more about the capacity of local elected officials to respond to Water Resources topics within their community. The results from the survey are used to inform the development of tools and resources for elected officials.

**Presentation planned for August at the TJPD Commission Meeting: Update on WIP for the Regional Board Members-** The Thomas Jefferson Planning District Commission is directed by a twelve-member board, consisting of **two representatives appointed by each local governing board, more than half of whom are local elected officials**. The Commissioners have varied backgrounds and **currently serve on various boards and committees in the region**.

<https://tjpd.org/commissioners/>

### Rivanna River Basin Commission Meeting (May 6<sup>th</sup>)

Meeting minutes, recording, and packet included on the webpage below. Topics covered at the RRBC commission meetings include a broad range of local water quality topics. The WIP contract was shared and made available with commissioners (listed below). More material evidence available in WIP folders.

<https://rivannariverbasin.org/about-the-commission/>

**Albemarle County**

Ann Mallek, Board of Supervisors  
Bea LaPisto Kirtley, Board of Supervisors  
VACANT, Appointed Citizen

**City of Charlottesville**

Michael Payne, City Councilor  
Lloyd Snook, City Councilor  
Jason Halbert, Appointed Citizen

**Fluvanna County**

Mozell Booker, Board of Supervisors  
Tony O'Brien, Board of Supervisors  
Marvin Moss, Appointed Citizen

**Greene County**

Dale Herring, Board of Supervisors  
Abbey Heflin, Board of Supervisors  
Alex Vidales, Appointed Citizen

**Culpeper SWCD**

Steve Morris

**Thomas Jefferson SWCD**

Lonnie Murray

## DELIVERABLE 1D- Facilitation of Sharing on Environmental Justice

- Environmental Justice Symposium shared to local planning staff, to Rivanna River Basin Commission Facebook Page and local environmental staff. The agenda is within the shared WIP folders.
- TJPDC worked with Delegate Farris to support, amend, and write substitutes for House Bill 49, which was an extension of Scenic Rivers Act, which was passed in 2022.
- *Words from your Watershed* Newsletter Developed by the TJPDC, sharing information on environmental justice updates with locality stakeholders and the public. Archive on WIP website at the bottom: <https://tjpd.org/our-work/watershed-implementation-plan-wip/>
- General Information sharing on environmental justice mapping, learning resources, and other tools as requested or available. (Evidence in WIP folders)
- Attended VAMPO Webinar: Emerging Environmental Policy and Planning Issues
- Meeting with Chad Martin, DEQ, Environmental Justice Coordinator for the Blue Ridge Region to learn more about his position
- The TJPDC provides legislative services as part of the support offered to local Jurisdictions. David Blount develops a legislative newsletter for local stakeholders. When pertinent updates are made to watershed legislation, information is shared with David Blount to include in the next installment of the Legislate Update Newsletter. Access Archive: <https://tjpd.org/our-work/legislative-liaison/>
- Environmental Justice Report Out: Data table has been developed and information will continue to be collected on locality efforts relating to Environmental Justice. (Material Evidence in WIP folders).
  - Used to share information on resources for DEQ EJ training organized by Jake Kline
  - Is an excel document compiling environmental justice efforts present by locality based on comprehensive and other local planning efforts, as well as staff and projects related to furthering environmental justice.
- Attended EPA Mid Atlantic Summit including an overview of Environmental Justice: What it Means for Our Communities, topics included are in meeting agenda within WIP folders
- Virginia 2022 Risk Reduction Consultation hosted by FEMA with discussions on advancing equity and the Justice40 initiative, and a report on Diversity, Equity and Inclusion from VDEM
- Water Resources Capacity Survey share with regional boards and commissions
- Attended Commonwealth Resilience Brief: 2022 Policy Updates Lunch and Learn (June 29<sup>th</sup>)
  - Provided an overview of the 2022 General Assembly Session, CBPA guidelines, and septic regulations, and other environmental issues statewide.

#### **DELIVERABLE 1E- Attend Local Watershed Roundtables and relay key information**

- Lake Anna Water Quality Harmful Algal Blooms Stakeholder Meetings (March 24<sup>th</sup>)
- Rivanna River Basin Commission Board and Conference Meetings (May 6<sup>th</sup>)
- James River Riparian Consortium Meetings (May 19<sup>th</sup>)
- Rivanna Stormwater Education Partnership Meetings (February 22<sup>nd</sup>, March 29<sup>th</sup>, April 26<sup>th</sup>, May 24<sup>th</sup> 10-12, June 28<sup>th</sup> 10-12)
- DEQ Bay PDC Meeting (May 9<sup>th</sup>)
- UVA Multi Objective Watershed Project Meeting (April 29<sup>th</sup>)
- Chesapeake Bay Land Use Working Group Conference Call Attendance: April 20<sup>th</sup> and May 18<sup>th</sup> ([https://www.chesapeakebay.net/who/group/land\\_use\\_workgroup](https://www.chesapeakebay.net/who/group/land_use_workgroup))
- June 27<sup>th</sup>: Attending the Southeast New England Program's webinar on the STEWMap approach developed by the USDA, discussion the development of a watershed stewardship map to create network connections to better develop solutions.

#### **DELIVERABLE 1F- Educate Local Stakeholders on the Benefits of BMP's**

- *Words from your Watershed Newsletter*: BMP spotlight and funding opportunities for implementing BMP's. (Released once a quarter) Access the Archive: <https://tjpd.org/our-work/watershed-implementation-plan-wip/>
- Attended APA Ohio's Responding and Planning for Climate Change webinar, discussing natural hazards such as flooding, information on best management practices and mitigation actions for all types of planning and shared information and resources with the Climate Action Committee consisting of city counselors, local planners, and environmental stakeholders.
- **TJPD Water Quality Guide Brochures at Rivanna Riverfest RSEP Table (April 30<sup>th</sup>)**
- RSEP and other Chesapeake Bay social media sharing on TJPD and RRBC Facebook
  - RRBC Facebook Page: <https://www.facebook.com/RivannaRiverBasinCommission>
  - TJPD Facebook page: <https://www.facebook.com/PDC10>
- James River Riparian Consortium resource sharing on Implementing Buffers on private land on RRBC Facebook page

#### **DELIVERABLE 2A- Water Quality Guide Booklets and social media sharing**

Look for social media postings on:

RRBC Facebook: <https://www.facebook.com/RivannaRiverBasinCommission>

TJPD facebook page: <https://www.facebook.com/PDC10>

TJPDC WIP Page: <http://tjpd.org/WIP>

TJPDC **Water Quality Guide Booklet #7** development planned for summer with the support of intern. Material evidence to be provided as part of the final submission.

#### **DELIVERABLE 2B- Assist with Community Flood Preparedness Grants**

TJPDC supported planning for the Community Flood Preparedness Grant that Albemarle County and the City of Charlottesville applied for in April 2022. TJPDC provided support in applications by providing data and information to include as part of their applications. Early coordination can be accessed in the WIP evidence folders. The purposes of applications were to increase capacity of the public to engage in the development of Flood Preparedness Plan and the identification of Nature Based Solutions in responding to water quality issues and climate change.

#### **DELIVERABLE 2C- Develop Educational Materials brochures, newsletters, or other items alongside RSEP**

This year, the TJPDC paid dues to the Rivanna Stormwater Education Partnership consisting of environmental planners, water resources staff, UVA sustainability, the Thomas Jefferson Soil and Water Conservation District, and other stakeholders as identified. As a partnership, all standing members contribute dues that are used directly to share information via the RSEP website available below, and to create educational materials related to water quality and stormwater management. The TJPDC contributed \$500 dollars of WIP funds, and evidence will be provided of payment of dues for the December submission.

- TJPDC Water Quality Guide Brochures at Rivanna Riverfest RSEP Table (April 30<sup>th</sup>)
- Lawn Landscaping Brochure
- Native Plant Guide Brochures in Partnership with Piedmont Master Gardener's
- Love your Watershed Magnets and Sticker Distribution
- "Where does rain go?" Placemat for Youth
- Illicit Discharge Detection and Elimination Form <https://rivanna-stormwater.org/report-water-pollution/>
- RSEP Utility Bill Inserts were created and sent to printer to share throughout the community, however the Inserts were lost in the mail.
- BMP Guide on RSEP website: <https://rivanna-stormwater.org/what-happens-to-the-rain/what-is-a-bmp/> and BMP photos and descriptions
- Explore the Rivanna River Watershed RSEP Banner
- Material Evidence available in spending report (invoice) provided in WIP folders.

#### **OPTIONAL DELIVERABLE 2E- Share information on Land Cover Change and support forest conservation and other land policies that reduce impact of future development**

- PDC continues to assist localities with any and all **GIS Shapefile** and Land Cover Data requests (assisted by Ryan Mickles, Planner and Ruth Emerick, TJPDC)

- Chesapeake Bay Land Use Workgroup Meeting attendee to share information on land cover change with local governments (April 20<sup>th</sup>, May 18<sup>th</sup>, June 15<sup>th</sup> 1-3 P.M.)
- Chesapeake Bay Program Land Use/Land Cover Data Project Webinar (May 24<sup>th</sup> 1-2:30)
- Updates to the Regional Hazard Mitigation Plan to include information on forest conservation, environmental protection, flood preparedness and other environmental goals in mitigation action items sent to Hazard Mitigation Working Group and presented to them in working Group Meetings
- Letter of Support to the Rivanna Conservation Alliance's Rivanna River Resilience Partnership (program supporting forest conservation through removal of detrimental invasive species)

**OPTIONAL DELIVERABLE 2G- Research Grant Opportunities, attend grant informational presentations, and share information**

- Grant Matrix (excel tracking document) and corresponding information sharing available in WIP submission folder on TJPDC website. There are three tabs of the excel document, including a page on grants that have been shared with local stakeholders, research into grant opportunities, and grants that have been followed more closely to organize grant applications.
- Responding to Climate Change webinar including best management practices for hazards impacting the United States which informed the Hazard Mitigation Plan update to include language relating to green infrastructure and other BMP's.
- Grant and Funding section of *Words from your Watershed Newsletter*
- TJPDC letter of support for the Rivanna River Resilience Partnership submitted by the Rivanna Conservation Alliance
- Chesapeake Bay Webinar Series: How to Leverage Conservation, Open Space and Parks Funding to Maximize Multiple Benefits
- FEMA: Hazard Mitigation Grant Program and Nature Based Solutions
- Nonpoint Source Program Request for Applications Webinar
- Chesapeake Bay Program: Financing Riparian Buffers Webinar
- EPA Mid Atlantic Summit (May 25<sup>th</sup>) including an overview of the Bipartisan Infrastructure Law and the funding made available through its passing
- Resiliency Academy Webinar on Resilience Transportation Infrastructure through Resilient Virginia: Pollution Reduction Funding Opportunities

**OPTIONAL DELIVERABLE 2K- Update the environmental sections of local comprehensive plans**

- **TJPDC Hazard Mitigation Plan Update** is being prepared by Ian Baxter, Dominique Lavorata, and Isabella O'Brien from the TJPDC for 2023. In conjunction with BMPs, invasive species information and community-related mitigation strategies, the plan is under development and will have much more to show during the final submission: **Evidence**—<https://tjpd.org/our-work/hazard-mitigation/>, Collaboration with Working Group consisting of Local Planning Staff,

emergency responders, environment and water protection/management staff, suggestions for nature based solutions through suggested Mitigation Action Items in each locality

- **Urban Rivanna Corridor Plan** prepared by TJPDC staff and adopted by Charlottesville and Albemarle in February of 2022. <https://tjpd.org/our-work/area-plans/urban-rivanna-river-corridor-plan/#:~:text=The%20Urban%20Rivanna%20River%20Corridor,refocus%20attention%20on%20the%20Rivanna.>
- **TJPDC Solid Waste and Recycling Plan** The Solid Waste and Recycling Plan was by amended by TJPDC staff this Spring and includes information on waste reduction and best practices. Available here: <https://tjpd.org/our-work/solid-waste/>
- At the RRBC Commission Meeting held May 6<sup>th</sup>, TJPDC shared the contract deliverables and reminded commissioners that TJPDC staff can update the environmental sections of locality comprehensive plans upon request through the Watershed Implementation Plan. Evidence available: <https://rivannariverbasin.org/about-the-commission/> here under meeting agendas, minutes and recordings for 2022. Recording is linked.
- **Stanardsville and Scottsville Bike and Pedestrian Infrastructure Assessment:** Aside from supporting the environmental programs at the TJPDC, Isabella has also supported the Rural Transportation Program, as part of this assessment for Albemarle and Greene, I included information on BMP's when developing a multimodal network as well as the environmental benefits of strengthening a multimodal network. More evidence to be provided in final submission, as it is currently being drafted.
- **TJPDC Transit Vision Plan:** currently being developed by TJPDC's transportation manager, Lucinda Shannon <https://tjpd.org/our-work/transit-planning/>

**DELIVERABLE 3A:** Interim Report submitted by June 30<sup>th</sup>, 2022.

**DELIVERABLE 3B:** Regionally Specific Tasks Identified and Submitted by September 30<sup>th</sup>.

Regionally Specific Tasks to be identified and submitted by September 30<sup>th</sup>.

**DELIVERABLE 3C:** PDC contract report and final imbursement request by December 31<sup>st</sup>.

**Evidence to be provided with final contract submission. Due to the TJPDC's invoicing schedule, the invoice for June could not be completed for the interim report, however, a request for JUNE reimbursement will be provided with the last six months of the Calendar Year in the Final WIP Contract Submission.**

## Attachment A: Narrative Progress Summary Report

### Chesapeake Bay Regulatory and Accountability Program (CBRAP) Project

*Please submit this form electronically, along with the rest of the quarterly report material to your DEQ Project Manager.*

|                                      |                                                                                                        |       |           |
|--------------------------------------|--------------------------------------------------------------------------------------------------------|-------|-----------|
| Project Title                        | 2022 Chesapeake Bay Watershed PDC Locality Implementation Program                                      |       |           |
| Contract #                           | 17214                                                                                                  |       |           |
| Organization                         | Thomas Jefferson PDC                                                                                   |       |           |
| Select Report Type                   | <input checked="" type="checkbox"/> Interim (by 06/30/22) <input type="checkbox"/> Final (by 12/31/22) |       |           |
| Name & Title of Individual Reporting | Isabella O'Brien<br>Planner 1                                                                          | Date: | 6/30/2022 |

#### Progress Summary:

*Provide a brief description of activity deliverables (as outlined in the Scope of Services) that have been completed to date. For deliverables that require submitting a product to DEQ, note the product and any particular information needed to explain it. Provide a brief status on any incomplete deliverables or those that might be behind schedule. Note any other challenges or setbacks that have arisen.*

**\*\*PLEASE VISIT THE TJPDC WEBSITE BELOW FOR ALL WIP \*\***  
**2022 INTERIM SUBMISSION EVIDENCE AND MATERIALS**

**[ <https://tjpd.org/our-work/watershed-implementation-plan-wip/> ]**

**DELIVERABLE 1A-** The Scope of Work for the TJPDC 2023 Watershed Implementation Plan will be completed by 09/30/22 in conjunction with the deliverables provided by DEQ with EPA approval. The PDC will consult and collaborate with many of the regional environmental groups and stakeholders noted below.

#### **DELIVERABLE 1B-**

##### **PDC Riparian Consortium Meetings**

###### TOPICS ADDRESSED AT MEETINGS:

1. What would be most helpful for watershed planning and riparian restoration to the localities in your PDC footprint in the Middle or Upper James watershed (especially urban localities)?
2. What are the greatest opportunities and challenges for engaging localities and for growing collaboration in the watershed?
3. How can the Consortium best support your PDC in watershed planning, riparian restoration, WIP reporting, and other watershed activities?

### **Rivanna Stormwater Education Partnership Monthly Meetings**

- **DATES:** February 22<sup>nd</sup> 10-12, March 29<sup>th</sup> 10-12, April 26<sup>th</sup> 10-12, May 24<sup>th</sup> 10-12, June 28<sup>th</sup> 10-12, Future Meetings: September 27<sup>th</sup> 10-12, October 25<sup>th</sup> 10-12, November 22<sup>nd</sup> 10-12
- **MEMBERS:** Amy Moyer <amy.moyer@tjswcd.org>; Andrea Bowles <abowles@rivanna.org>; Anne Coates <anne.coates@tjswcd.org>; Audrey Kirschner <audrey.kirschner@tjswcd.org>; Olenslager, Brittany E (beo2zh) <beo2zh@virginia.edu>; Dan Frisbee <frisbee@charlottesville.gov>; Garrod, Dawson (dlg9e) <dlg9e@virginia.edu>; Greg Harper <gharper@albemarle.org>; Isabella O'Brien <iobrien@tjpdcc.org>; Wenger, Jess (jsw6d) <jsw6d@virginia.edu>; John Coles <jcoles@k12albemarle.org>; Kristel Riddervold <riddervold@charlottesville.gov>; Laurel Williamson <lwilliamson2@albemarle.org>; Lindsay Snoddy <lcsnoddy@k12albemarle.org>; lisawittenborn <lisawittenborn@rivannariver.org>; Starvos Calos <scalos@albemarle.org>; Tim Brown [tbrown@serviceauthority.org](mailto:tbrown@serviceauthority.org)
- TJPDC working alongside the Rivanna Stormwater Education Partnership (RSEP) to promote the #LoveYourWatershed campaign. The RRBC Facebook and website are used to share this content, especially in the midst of Covid.

### **Rivanna River Basin Commission Meetings (MAY 6<sup>th</sup>)**

Meeting minutes, recording, and packet included on the webpage below. Topics covered at the RRBC commission meetings include a broad range of local water quality topics. The WIP contract was shared and made available with commissioners (listed below).

<https://rivannariverbasin.org/about-the-commission/>

#### **Albemarle County**

Ann Mallek, Board of Supervisors  
Bea LaPisto Kirtley, Board of Supervisors  
VACANT, Appointed Citizen

#### **City of Charlottesville**

Michael Payne, City Councilor  
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Jason Halbert, Appointed Citizen

#### **Fluvanna County**

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Tony O'Brien, Board of Supervisors  
Marvin Moss, Appointed Citizen

#### **Greene County**

Dale Herring, Board of Supervisors  
Abbey Heflin, Board of Supervisors  
Alex Vidales, Appointed Citizen

#### **Culpeper SWCD**

Steve Morris

#### **Thomas Jefferson SWCD**

Lonnie Murray

## Rivanna River Basin Commission Input Meetings

The TJPDC has been working to develop a work plan for the Rivanna River Basin Commission to better support the watershed and corresponding localities in coming years. As part of the development process, TJPDC staff reached out to locality planners and water resources staff to gain their feedback on priority watershed topics and barriers. These meetings were scheduled as part of the RRBC work plan, however topics on WIP including Environmental Justice and water quality issues were discussed. Evidence of meetings available in WIP folders.

## UVA Multi Objective Watershed Project Meeting (APRIL 29<sup>th</sup>)

TJPDC staff participated in meeting soliciting feedback on UVA's multi objective watershed research project.

## Bay PDC Meetings

- BAY PDC SPRING MEETING
  - Internally developed stakeholder group of Bay PDC's WIP program managers and other stakeholders
  - **ATTENDEES:** Isabella O'Brien <iobrien@tjpd.org>; Normand Goulet <ngoulet@novaregion.org>; Rebekah Cazares (Plan RVA) <rcazares@planrva.org>; Sarah Stewart <SStewart@planrva.org>; Gabriel Irigaray <girigaray@rvarc.org>; amcgee <amcgee@rvarc.org>; jsteelman <jsteelman@a-npdc.org>; hunter <hunter@cspdc.org>; mfooster <mfooster@virginiasheartland.org>; ktillman@virginiasheartland.org; jruffa <jruffa@craterpdc.org>; jrickards <jrickards@mppdc.com>; Luke Peters <luke.peters@bgllc.net>; michael.zehner@bgllc.net; csmith <csmith@mppdc.com>; jbateman <jbateman@nnpdc17.state.va.us>; jcrockett <jcrockett@nsvregion.org>; abrebner <abrebner@craterpdc.org>; rebecca <rebecca@cspdc.org>; kelly.hitchcock <kelly.hitchcock@cvpdc.org>; medwards [medwards@rrregion.org](mailto:medwards@rrregion.org)

## DEQ DISCUSSION WITH BAY PDC's (MAY 9<sup>th</sup>)

- **ATTENDEES:** [james.kline@deq.virginia.gov](mailto:james.kline@deq.virginia.gov); [emeil@a-npdc.org](mailto:emeil@a-npdc.org); [jsteelman@esvaplan.org](mailto:jsteelman@esvaplan.org); jsteelman; [adoyle@a-npdc.org](mailto:adoyle@a-npdc.org); [bonnie@cspdc.org](mailto:bonnie@cspdc.org); hunter; kelly.hitchcock; [gary.christie@cvpdc.org](mailto:gary.christie@cvpdc.org); mfooster <mfooster@virginiasheartland.org>; [ktillman@virginiasheartland.org](mailto:ktillman@virginiasheartland.org); jruffa; abrebner; Luke Peters; [michael.zehner@bgllc.net](mailto:michael.zehner@bgllc.net); [boyles@gwregion.org](mailto:boyles@gwregion.org); [gibson@gwregion.org](mailto:gibson@gwregion.org); Katherine Filippino; [llawrence@mppdc.com](mailto:llawrence@mppdc.com);

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jcrockett; [bdavis@nsvregion.org](mailto:bdavis@nsvregion.org); Normand  
Goulet; [lindat@novaregion.org](mailto:lindat@novaregion.org); [rlazaro@novaregion.org](mailto:rlazaro@novaregion.org);  
medwards; [pmauney@rrregion.org](mailto:pmauney@rrregion.org); [mheeter@planrva.org](mailto:mheeter@planrva.org); Sarah  
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amcgee; [girigaray@rvarc.org](mailto:girigaray@rvarc.org); Christine Jacobs; Isabella  
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[bryant.thomas@deq.virginia.gov](mailto:bryant.thomas@deq.virginia.gov); [kevin.mclean@deq.virginia.gov](mailto:kevin.mclean@deq.virginia.gov);  
[susan.hale@deq.virginia.gov](mailto:susan.hale@deq.virginia.gov); [amber.foster@deq.virginia.gov](mailto:amber.foster@deq.virginia.gov); [heather.mackey@deq.virginia.gov](mailto:heather.mackey@deq.virginia.gov);  
[vlent.lassiter@deq.virginia.gov](mailto:vlent.lassiter@deq.virginia.gov); [daniel.moore@deq.virginia.gov](mailto:daniel.moore@deq.virginia.gov);  
[mary.jacobs@deq.virginia.gov](mailto:mary.jacobs@deq.virginia.gov)

### Climate Action Liaison Committee Meetings

**Members:** Riddervold, Kristel <[RIDDERVOLD@charlottesville.gov](mailto:RIDDERVOLD@charlottesville.gov)>; Trimble, Andrea Ruedy (art2k) <[art2k@virginia.edu](mailto:art2k@virginia.edu)>; Jennifer Whitaker <[jwhitaker@rivanna.org](mailto:jwhitaker@rivanna.org)>; Magill, Sena <[smagill@charlottesville.gov](mailto:smagill@charlottesville.gov)>; Payne, Michael <[mpayne@charlottesville.gov](mailto:mpayne@charlottesville.gov)>; Sandy Shackelford <[SShackelford@tjpd.org](mailto:SShackelford@tjpd.org)>; Don Sundgren <[des5j@virginia.edu](mailto:des5j@virginia.edu)>; Sanders, Samuel <[sanderss@charlottesville.gov](mailto:sanderss@charlottesville.gov)>; Isabella O'Brien <[iobrien@tjpd.org](mailto:iobrien@tjpd.org)>; Gabe Dayley <[gdayley2@albemarle.org](mailto:gdayley2@albemarle.org)>; Greg Harper <[gharper@albemarle.org](mailto:gharper@albemarle.org)>; Smalls, Stacey [smallss@charlottesville.gov](mailto:smallss@charlottesville.gov)

### Charlottesville Climate Vulnerability Assessment Workshop (June 8<sup>th</sup>, 2022)

Charlottesville is working on its climate action plan and asked for input from local staff on climate vulnerabilities in Charlottesville.

### DELIVERABLE 1C- Update Commissioners and Local Boards

**Chesapeake Bay Program Local Elected Officials Survey Share:** Responses from VA were limited, so PDC's shared a survey to learn more about the capacity of local elected officials to respond to Water Resources topics within their community. The results from the survey are used to inform the development of tools and resources for elected officials.

**Presentation planned for August at the TJPDC Commission Meeting: Update on WIP for the Regional Board Members-** The Thomas Jefferson Planning District Commission is directed by a twelve-member board, consisting of **two representatives appointed by each local governing board, more than half of whom are local elected officials**. The Commissioners have varied backgrounds and **currently serve on various boards and committees in the region**.

<https://tjpd.org/commissioners/>

### Rivanna River Basin Commission Meeting (May 6<sup>th</sup>)

Meeting minutes, recording, and packet included on the webpage below. Topics covered at the RRBC commission meetings include a broad range of local water quality topics. The WIP contract was shared and made available with commissioners (listed below). More material evidence available in WIP folders.

<https://rivannariverbasin.org/about-the-commission/>

**Albemarle County**

Ann Mallek, Board of Supervisors  
Bea LaPisto Kirtley, Board of Supervisors  
VACANT, Appointed Citizen

**City of Charlottesville**

Michael Payne, City Councilor  
Lloyd Snook, City Councilor  
Jason Halbert, Appointed Citizen

**Fluvanna County**

Mozell Booker, Board of Supervisors  
Tony O'Brien, Board of Supervisors  
Marvin Moss, Appointed Citizen

**Greene County**

Dale Herring, Board of Supervisors  
Abbey Heflin, Board of Supervisors  
Alex Vidales, Appointed Citizen

**Culpeper SWCD**

Steve Morris

**Thomas Jefferson SWCD**

Lonnie Murray

## DELIVERABLE 1D- Facilitation of Sharing on Environmental Justice

- Environmental Justice Symposium shared to local planning staff, to Rivanna River Basin Commission Facebook Page and local environmental staff. The agenda is within the shared WIP folders.
- TJPDC worked with Delegate Farris to support, amend, and write substitutes for House Bill 49, which was an extension of Scenic Rivers Act, which was passed in 2022.
- *Words from your Watershed* Newsletter Developed by the TJPDC, sharing information on environmental justice updates with locality stakeholders and the public. Archive on WIP website at the bottom: <https://tjpd.org/our-work/watershed-implementation-plan-wip/>
- General Information sharing on environmental justice mapping, learning resources, and other tools as requested or available. (Evidence in WIP folders)
- Attended VAMPO Webinar: Emerging Environmental Policy and Planning Issues
- Meeting with Chad Martin, DEQ, Environmental Justice Coordinator for the Blue Ridge Region to learn more about his position
- The TJPDC provides legislative services as part of the support offered to local Jurisdictions. David Blount develops a legislative newsletter for local stakeholders. When pertinent updates are made to watershed legislation, information is shared with David Blount to include in the next installment of the Legislate Update Newsletter. Access Archive: <https://tjpd.org/our-work/legislative-liaison/>
- Environmental Justice Report Out: Data table has been developed and information will continue to be collected on locality efforts relating to Environmental Justice. (Material Evidence in WIP folders).
  - Used to share information on resources for DEQ EJ training organized by Jake Kline
  - Is an excel document compiling environmental justice efforts present by locality based on comprehensive and other local planning efforts, as well as staff and projects related to furthering environmental justice.
- Attended EPA Mid Atlantic Summit including an overview of Environmental Justice: What it Means for Our Communities, topics included are in meeting agenda within WIP folders
- Virginia 2022 Risk Reduction Consultation hosted by FEMA with discussions on advancing equity and the Justice40 initiative, and a report on Diversity, Equity and Inclusion from VDEM
- Water Resources Capacity Survey share with regional boards and commissions
- Attended Commonwealth Resilience Brief: 2022 Policy Updates Lunch and Learn (June 29<sup>th</sup>)
  - Provided an overview of the 2022 General Assembly Session, CBPA guidelines, and septic regulations, and other environmental issues statewide.

#### **DELIVERABLE 1E- Attend Local Watershed Roundtables and relay key information**

- Lake Anna Water Quality Harmful Algal Blooms Stakeholder Meetings (March 24<sup>th</sup>)
- Rivanna River Basin Commission Board and Conference Meetings (May 6<sup>th</sup>)
- James River Riparian Consortium Meetings (May 19<sup>th</sup>)
- Rivanna Stormwater Education Partnership Meetings (February 22<sup>nd</sup>, March 29<sup>th</sup>, April 26<sup>th</sup>, May 24<sup>th</sup> 10-12, June 28<sup>th</sup> 10-12)
- DEQ Bay PDC Meeting (May 9<sup>th</sup>)
- UVA Multi Objective Watershed Project Meeting (April 29<sup>th</sup>)
- Chesapeake Bay Land Use Working Group Conference Call Attendance: April 20<sup>th</sup> and May 18<sup>th</sup> ([https://www.chesapeakebay.net/who/group/land\\_use\\_workgroup](https://www.chesapeakebay.net/who/group/land_use_workgroup))
- June 27<sup>th</sup>: Attending the Southeast New England Program's webinar on the STEWMap approach developed by the USDA, discussion the development of a watershed stewardship map to create network connections to better develop solutions.

#### **DELIVERABLE 1F- Educate Local Stakeholders on the Benefits of BMP's**

- *Words from your Watershed Newsletter*: BMP spotlight and funding opportunities for implementing BMP's. (Released once a quarter) Access the Archive: <https://tjpd.org/our-work/watershed-implementation-plan-wip/>
- Attended APA Ohio's Responding and Planning for Climate Change webinar, discussing natural hazards such as flooding, information on best management practices and mitigation actions for all types of planning and shared information and resources with the Climate Action Committee consisting of city counselors, local planners, and environmental stakeholders.
- **TJPD Water Quality Guide Brochures at Rivanna Riverfest RSEP Table (April 30<sup>th</sup>)**
- RSEP and other Chesapeake Bay social media sharing on TJPD and RRBC Facebook
  - RRBC Facebook Page: <https://www.facebook.com/RivannaRiverBasinCommission>
  - TJPD Facebook page: <https://www.facebook.com/PDC10>
- James River Riparian Consortium resource sharing on Implementing Buffers on private land on RRBC Facebook page

#### **DELIVERABLE 2A- Water Quality Guide Booklets and social media sharing**

Look for social media postings on:

RRBC Facebook: <https://www.facebook.com/RivannaRiverBasinCommission>

TJPD facebook page: <https://www.facebook.com/PDC10>

**TJPDC WIP Page:** <http://tjpd.org/WIP>

TJPDC **Water Quality Guide Booklet #7** development planned for summer with the support of intern. Material evidence to be provided as part of the final submission.

#### **DELIVERABLE 2B- Assist with Community Flood Preparedness Grants**

TJPDC supported planning for the Community Flood Preparedness Grant that Albemarle County and the City of Charlottesville applied for in April 2022. TJPDC provided support in applications by providing data and information to include as part of their applications. Early coordination can be accessed in the WIP evidence folders. The purposes of applications were to increase capacity of the public to engage in the development of Flood Preparedness Plan and the identification of Nature Based Solutions in responding to water quality issues and climate change.

#### **DELIVERABLE 2C- Develop Educational Materials brochures, newsletters, or other items alongside RSEP**

**This year, the TJPDC paid dues to the Rivanna Stormwater Education Partnership consisting of environmental planners, water resources staff, UVA sustainability, the Thomas Jefferson Soil and Water Conservation District, and other stakeholders as identified. As a partnership, all standing members contribute dues that are used directly to share information via the RSEP website available below, and to create educational materials related to water quality and stormwater management. The TJPDC contributed \$500 dollars of WIP funds, and evidence will be provided of payment of dues for the December submission.**

- TJPDC Water Quality Guide Brochures at Rivanna Riverfest RSEP Table (April 30<sup>th</sup>)
- Lawn Landscaping Brochure
- Native Plant Guide Brochures in Partnership with Piedmont Master Gardener's
- Love your Watershed Magnets and Sticker Distribution
- "Where does rain go?" Placemat for Youth
- Illicit Discharge Detection and Elimination Form <https://rivanna-stormwater.org/report-water-pollution/>
- RSEP Utility Bill Inserts were created and sent to printer to share throughout the community, however the Inserts were lost in the mail.
- BMP Guide on RSEP website: <https://rivanna-stormwater.org/what-happens-to-the-rain/what-is-a-bmp/> and BMP photos and descriptions
- Explore the Rivanna River Watershed RSEP Banner
- Material Evidence available in spending report (invoice) provided in WIP folders.

#### **OPTIONAL DELIVERABLE 2E- Share information on Land Cover Change and support forest conservation and other land policies that reduce impact of future development**

- PDC continues to assist localities with any and all **GIS Shapefile** and Land Cover Data requests (assisted by Ryan Mickles, Planner and Ruth Emerick, TJPDC)

- Chesapeake Bay Land Use Workgroup Meeting attendee to share information on land cover change with local governments (April 20<sup>th</sup>, May 18<sup>th</sup>, June 15<sup>th</sup> 1-3 P.M.)
- Chesapeake Bay Program Land Use/Land Cover Data Project Webinar (May 24<sup>th</sup> 1-2:30)
- Updates to the Regional Hazard Mitigation Plan to include information on forest conservation, environmental protection, flood preparedness and other environmental goals in mitigation action items sent to Hazard Mitigation Working Group and presented to them in working Group Meetings
- Letter of Support to the Rivanna Conservation Alliance's Rivanna River Resilience Partnership (program supporting forest conservation through removal of detrimental invasive species)

**OPTIONAL DELIVERABLE 2G- Research Grant Opportunities, attend grant informational presentations, and share information**

- Grant Matrix (excel tracking document) and corresponding information sharing available in WIP submission folder on TJPDC website. There are three tabs of the excel document, including a page on grants that have been shared with local stakeholders, research into grant opportunities, and grants that have been followed more closely to organize grant applications.
- Responding to Climate Change webinar including best management practices for hazards impacting the United States which informed the Hazard Mitigation Plan update to include language relating to green infrastructure and other BMP's.
- Grant and Funding section of *Words from your Watershed Newsletter*
- TJPDC letter of support for the Rivanna River Resilience Partnership submitted by the Rivanna Conservation Alliance
- Chesapeake Bay Webinar Series: How to Leverage Conservation, Open Space and Parks Funding to Maximize Multiple Benefits
- FEMA: Hazard Mitigation Grant Program and Nature Based Solutions
- Nonpoint Source Program Request for Applications Webinar
- Chesapeake Bay Program: Financing Riparian Buffers Webinar
- EPA Mid Atlantic Summit (May 25<sup>th</sup>) including an overview of the Bipartisan Infrastructure Law and the funding made available through its passing
- Resiliency Academy Webinar on Resilience Transportation Infrastructure through Resilient Virginia: Pollution Reduction Funding Opportunities

**OPTIONAL DELIVERABLE 2K- Update the environmental sections of local comprehensive plans**

- **TJPDC Hazard Mitigation Plan Update** is being prepared by Ian Baxter, Dominique Lavorata, and Isabella O'Brien from the TJPDC for 2023. In conjunction with BMPs, invasive species information and community-related mitigation strategies, the plan is under development and will have much more to show during the final submission: **Evidence**—<https://tjpd.org/our-work/hazard-mitigation/>, Collaboration with Working Group consisting of Local Planning Staff,

emergency responders, environment and water protection/management staff, suggestions for nature based solutions through suggested Mitigation Action Items in each locality

- **Urban Rivanna Corridor Plan** prepared by TJPDC staff and adopted by Charlottesville and Albemarle in February of 2022. <https://tjpd.org/our-work/area-plans/urban-rivanna-river-corridor-plan/#:~:text=The%20Urban%20Rivanna%20River%20Corridor,refocus%20attention%20on%20the%20Rivanna.>
- **TJPDC Solid Waste and Recycling Plan** The Solid Waste and Recycling Plan was by amended by TJPDC staff this Spring and includes information on waste reduction and best practices. Available here: <https://tjpd.org/our-work/solid-waste/>
- At the RRBC Commission Meeting held May 6<sup>th</sup>, TJPDC shared the contract deliverables and reminded commissioners that TJPDC staff can update the environmental sections of locality comprehensive plans upon request through the Watershed Implementation Plan. Evidence available: <https://rivannariverbasin.org/about-the-commission/> here under meeting agendas, minutes and recordings for 2022. Recording is linked.
- **Stanardsville and Scottsville Bike and Pedestrian Infrastructure Assessment:** Aside from supporting the environmental programs at the TJPDC, Isabella has also supported the Rural Transportation Program, as part of this assessment for Albemarle and Greene, I included information on BMP's when developing a multimodal network as well as the environmental benefits of strengthening a multimodal network. More evidence to be provided in final submission, as it is currently being drafted.
- **TJPDC Transit Vision Plan:** currently being developed by TJPDC's transportation manager, Lucinda Shannon <https://tjpd.org/our-work/transit-planning/>

**DELIVERABLE 3A:** Interim Report submitted by June 30<sup>th</sup>, 2022.

**DELIVERABLE 3B:** Regionally Specific Tasks Identified and Submitted by September 30<sup>th</sup>.

Regionally Specific Tasks to be identified and submitted by September 30<sup>th</sup>.

**DELIVERABLE 3C:** PDC contract report and final imbursement request by December 31<sup>st</sup>.

**Evidence to be provided with final contract submission. Due to the TJPDC's invoicing schedule, the invoice for June could not be completed for the interim report, however, a request for JUNE reimbursement will be provided with the last six months of the Calendar Year in the Final WIP Contract Submission.**